

## Gérard-Paul Deshayes (1796-1875) and his taxa

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# Gérard-Paul Deshayes (1796-1875) and his taxa

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## ABSTRACT

A biography and bibliography of Gérard-Paul Deshayes (1796-1875) is provided, together with an annotated list of his new taxa, manuscript taxa attributed to him by others, and taxa misattributed to him. A comprehensive index of these more than 4 000 taxa is provided. Deshayes is best known for his monographs on the Cenozoic marine fossil molluscs of the Paris Basin and for having contributed to several French encyclopedic natural history publications. He also published extensively on Recent marine molluscs. The type species of four genera are designated herein by all of us. We designate *Truncaria insolita* Deshayes, 1865, as the type species of *Buccinopsis* Deshayes, 1865, *non Buccinopsis* Conrad, 1857. This makes Deshayes' genus a synonym of *Litiopa* Rang, 1829 (Litiopidae). We designate under ICZN Code Art. 70.3 the taxonomic species involved in Cossmann's misidentified concept as the type species of *Lacunoptyxis* Cossmann, 1888, which Cossmann gave as "*Lacuna praelonga* Deshayes, 1861". This is identical to *Odontostomia nisoides* Cossmann, 1888, also the type species (OD) of *Nisostomia* Cossmann, 1921. Both genera are now regarded as junior synonyms of *Ondina* de Folin, 1870 (Pyramidellidae). We designate *Cyrena (Anomala) cumingii* Deshayes, 1854, as the type species of *Anomala* Deshayes, 1855, *non* Block, 1799. *Egeta* H. Adams & A. Adams,

## KEY WORDS

Deshayes' taxa,  
catalogue,  
fossil,  
Recent,  
nomenclature,  
biography,  
bibliography,  
new names.

1858, is its replacement name (Cyrenidae). We designate *Capsella crassula* Deshayes, 1855, to be the type species of *Capsella* Deshayes, 1855, non J. E. Gray, 1851. This is the same type species as that of *Crassulobia* Willan, 1993 (Psammobiidae), so the Deshayes genus falls into its synonymy. Seventeen other replacement names for Paris Basin fossil species are made by J.-M. Pacaud herein: 1) *Trypanaxis mauriniacus* Pacaud, n. name, for *Cerithium sandbergeri* Deshayes, 1864 (Trypanaxidae), non Gümbel, 1861; 2) *Sandbergeria (Sandbergeria) metalis* Pacaud, n. name, for *Cerithium turbinopsis* Deshayes, 1864 (Scaliolidae), non S. (*Aneurychilus*) *turbinopsis* (Deshayes, 1861) [Rissoa]; 3) *Colina deshayesi* Pacaud, n. name, for *Cerithium perelegans trilirata* Deshayes, 1864 (Newtoniellidae), non *Cerithium triliratum* Deshayes, 1864; 4) *Rissoina albis* Pacaud, n. name, for *Melania incerta* Leymerie, 1842 (Rissoinidae), non Grateloup, 1838, nec Anton, 1838; 5) *Pseudotaphrus deshayesi* Pacaud, n. name, for *Rissoa cincta* Deshayes, 1861 (Zebinidae), non Abich, 1859; 6) *Truncaria (Coptaxis) vallismunda* Pacaud, n. name, for *Buccinum truncatum* Deshayes, 1835 (Buccinidae), non Strøm, 1768; 7) *Hemiconus acionna* Pacaud, n. name, for *Conus symmetricus* Sandberger, 1859 (Conidae), non G. B. Sowerby I, 1850; 8) *Hemiauricula marolium* Pacaud, n. name, for *Auricula marginata* Leymerie, 1842 (Acteonidae), non Deffrance, 1816, nec Deshayes, 1830; 9) *Atyx extumidus* Pacaud, n. name, for *Bulla turgidula* Sandberger, 1859 (Haminoeidae), non Forbes, 1844; 10) *Puposyrnola coartata* Pacaud, n. name, for *Turbonilla angusta* Deshayes, 1861 (Pyramidellidae), non Leach, 1852; 11) *Eulimella (Anisocycla) acucula* Pacaud, n. name, for *Aciculina gracilis* Deshayes, 1861 (Pyramidellidae), non *A. gracilis* (Jeffreys, 1847) [*Eulimella*]; 12) *Macrozonites turonia* Pacaud, n. name, for *Helix umbilicalis* Deshayes, 1832 (Grandipatulidae), non Olivi, 1792; 13) *Actinopteria alba* Pacaud, n. name, for *Avicula subradiata* Leymerie, 1842 (Pterineidae), non J. De C. Sowerby, 1840; 14) *Crassostrea vindinonensis* Pacaud, n. name, for *Ostrea gryphoides* Deshayes, 1825 (Ostreidae), non Schlotheim, 1820; 15) *Protocardia vindovera* Pacaud, n. name, for *Cardium impressum* Leymerie, 1842 (Cardiidae), non Lightfoot, 1786; 16) *Tapes (Callistotapes) valgerardensis* Pacaud, n. name, for *Venus tenuis* Deshayes, 1825 (Veneridae), non Blainville, 1824; and 17) *Anthonya albis* Pacaud, n. name, for *Pandora aequivalvis* Leymerie, 1842 (Pandoridae), non Philippi, 1836.

## RÉSUMÉ

*Les taxons de Gérard-Paul Deshayes (1796-1875).*

Une biographie et une bibliographie de Gérard-Paul Deshayes (1796-1875) sont fournies, ainsi qu'une liste annotée de ses nouveaux taxons, des taxons manuscrits qui lui ont été attribués par d'autres et des taxons qui, à tort, lui ont été attribués. Un index complet de ces plus de 4 000 taxons est fourni. Deshayes est surtout connu pour ses monographies sur les mollusques marins fossiles cénozoïques du Bassin parisien et pour avoir contribué à plusieurs publications encyclopédiques françaises d'histoire naturelle. Il a également publié de nombreux ouvrages sur les mollusques marins récents. Les espèces types de quatre genres sont désignées ici par chacun d'entre nous. Nous désignons *Truncaria insolita* Deshayes, 1865, comme espèce type de *Buccinopsis* Deshayes, 1865, non *Buccinopsis* Conrad, 1857. Ceci fait du genre de Deshayes un synonyme de *Litiopa* Rang, 1829 (Litiopidae). En vertu de l'Art. 70.3.2 du CINZ, nous désignons "*Lacuna praelonga* Deshayes, 1861", l'espèce taxonomique impliquée dans le concept mal identifié de Cossmann, comme espèce type de *Lacunoptyxis* Cossmann, 1888. Cette espèce est identique à *Odontostomia nisoides* Cossmann, 1888, qui est également l'espèce type (par désignation originale) de *Nisostomia* Cossmann, 1921. Les deux genres sont maintenant considérés comme des synonymes subjectifs plus récents d'*Ondina* de Folin, 1870 (Pyramidellidae). Nous désignons *Cyrena (Anomala) cumingii* Deshayes, 1854, comme espèce type d'*Anomala* Deshayes, 1855, non Block, 1799. *Egeta* H. Adams & A. Adams, 1858 est son nom de remplacement (Cyrenidae). Nous désignons *Capsella crassula* Deshayes, 1855, comme espèce type du genre *Capsella* Deshayes, 1855, non J. E. Gray, 1851. Il s'agit de la même espèce type que celle du genre *Crassulobia* Willan, 1993 (Psammobiidae), de sorte que le taxon de Deshayes tombe en synonymie. Dix-sept noms de remplacement pour des espèces fossiles du Bassin parisien sont proposés par J.-M. Pacaud dans le présent document: 1) *Trypanaxis mauriniacus* Pacaud, n. name pour *Cerithium sandbergeri* Deshayes, 1864 (Trypanaxidae), non Gümbel, 1861; 2) *Sandbergeria (Sandbergeria) metalis* Pacaud, n. name, pour *Cerithium turbinopsis* Deshayes, 1864 (Scaliolidae), non *Sandbergeria (Aneurychilus) turbinopsis* (Deshayes, 1861) [Rissoa]; 3) *Colina deshayesi* Pacaud, n. name, pour *Cerithium perelegans trilirata* Deshayes, 1864 (Newtoniellidae), non *Cerithium triliratum* Deshayes, 1864; 4) *Rissoina albis* Pacaud, n. name, pour *Melania incerta* Leymerie, 1842 (Rissoinidae), non Grateloup, 1838, nec Anton, 1838; 5) *Pseudotaphrus deshayesi* Pacaud, n. name, pour *Rissoa cincta* Deshayes, 1861 (Zebinidae), non Abich, 1859; 6) *Truncaria (Coptaxis) vallismunda* Pacaud, n. name, pour *Buccinum truncatum*



**MOTS CLÉS**  
Taxons de Deshayes,  
catalogue,  
fossile,  
actuel,  
nomenclature,  
biographie,  
bibliographie,  
noms nouveaux.

Deshayes, 1835 (Buccinidae), non Strøm, 1768; 7) *Hemiconus acionna* Pacaud n. name, pour *Conus symmetricus* Sandberger, 1859 (Conidae), non G. B. Sowerby I, 1850; 8) *Hemiauricula marolium* Pacaud, n. name, pour *Auricula marginata* Leymerie, 1842 (Acteonidae), non Defrance, 1816, nec Deshayes, 1830; 9) *Atyis extumidus* Pacaud, n. name, pour *Bulla turgidula* Sandberger, 1859 (Haminoeidae), non Forbes, 1844; 10) *Puposyrnola coartata* Pacaud, n. name, pour *Turbonilla angusta* Deshayes, 1861 (Pyramidellidae), non Leach, 1852; 11) *Eulimella (Anisocycla) acucula* Pacaud, n. name, pour *Aciculina gracilis* Deshayes, 1861 (Pyramidellidae), non *Aciculina gracilis* (Jeffreys, 1847) [Eulimella]; 12) *Macrozonites turonia* Pacaud, n. name, pour *Helix umbilicalis* Deshayes, 1832 (Grandipatulidae), non Olivi, 1792; 13) *Actinopteria alba* Pacaud, n. name, pour *Avicula subradiata* Leymerie, 1842 (Pterineidae), non J. De C. Sowerby, 1840; 14) *Crassostrea vindinonensis* Pacaud, n. name, pour *Ostrea gryphoides* Deshayes, 1825 (Ostreidae), non Schlotheim, 1820; 15) *Protocardia vindovera* Pacaud, n. name, pour *Cardium impressum* Leymerie, 1842 (Cardiidae), non Lightfoot, 1786; 16) *Tapes (Callistotapes) valgerardensis* Pacaud, n. name, pour *Venus tenuis* Deshayes, 1825 (Veneridae), non Blainville, 1824; et 17) *Anthonya albis* Pacaud, n. name, pour *Pandora aequivalvis* Leymerie, 1842 (Pandoridae), non Philippi, 1836.

## BIOGRAPHY

Gérard-Paul Deshayes (Figs 1; 2) was born on May 13, 1796, in Nancy (Meurthe-et-Moselle, France). His father, Guérin Deshayes, was a professor of physics at the École Centrale in the Département of Meurthe-et-Moselle. Gérard-Paul studied medicine in Strasbourg (Bas-Rhin), before moving to Paris in 1819, where he earned a Bachelier ès Lettres in 1821. He soon abandoned medicine to focus on natural history. The family name, “Deshayes” means “of the hedge” or “of the enclosure” (Ketcham 1966: 372). It is pronounced as “Dé-ai” (i.e., of the four consonants, only the first is vocalized) (Gaudin 1937: 145).

Earlier biographical sources have given a wide range of dates for Deshayes’ birth, from 1795 through 1797, although all in the month of May. This confusion may be due to the fact that he was born during the French Republic, when France was using the new, revolutionary calendar (1792-1805), in which each year started in mid-September of the Gregorian calendar; “Année I” started on 22 September 1792 (date of abolition of the monarchy and establishment of the French Republic), and the months were all renamed (Griffin 1939). The dates given in the earlier literature are: 1) “13 Mai 1795” (Vapereau 1861: 510; 1880: 559); 2) “15 Mai 1795” (Perrier 1877: 867, footnote 2); 3) “13 V. [May] 1796” (Lambrecht *et al.* 1938: 112); 4) “24 Mai 1796” (Anonymous 1875a: v; Crosse & Fischer 1876a: 123; Evans 1876: 80); 5) “13 May 1797” (Anonymous 1875b: 430); 6) “13/24 May 1797” (Cleevely 1983: 102); or 7) “24 May 1797” (Tobien 1971: 67). Online library

catalogs use “1795,” without attribution, perhaps based on the print edition of the library catalogue of the British Museum (Natural History), which gives 1795; however, this same catalogue also erroneously attributed an 1803 botanical paper to Deshayes (Woodward 1908: 444). Fortunately, Deshayes’ birth certificate (Fig. 3) confirms that he was born on 25 Floréal An 4, which corresponds to 13 May 1796.

One biographical encyclopedia confused Deshayes’ father (the physics teacher) with Deshayes the naturalist, attributing to the same person both the 1820s series on fossil shells (son) and the invention of an anemometer which won a prize (father) (Michel 1829: 131).

His first work was a series of entries on the Mollusca in the volumes of the *Dictionnaire classique d’Histoire naturelle* edited by Jean Baptiste Geneviève Marcellin Bory de Saint-Vincent (b. 1778-d. 1846) (Deshayes 1823-1831) (Evenhuis 2022; Appendix 1). He then turned his attention to the abundant fossil fauna of the Paris Basin, focusing first on the area of Valmondois (Val-d’Oise) (Deshayes 1824a). In September 1830, he had a six-week visit by Charles Lyell (b. 1797-d. 1875), “examining his collection of fossil and Recent shells, and profiting by his instructions in conchology” (Lyell 1833: xiv-xv). During this period, he also described several Foraminifera (Fig. 4). The Valmondois studies led to a precedent-setting two-volume edition on the fossils of the Paris Basin, *Description des coquilles fossiles des environs de Paris* (Deshayes 1824-1837), issued in parts (Figs 11; 12). He also produced many early papers on diverse molluscan topics, most importantly one of the first monographs on scaphopods (Deshayes 1826a) (Fig. 5).

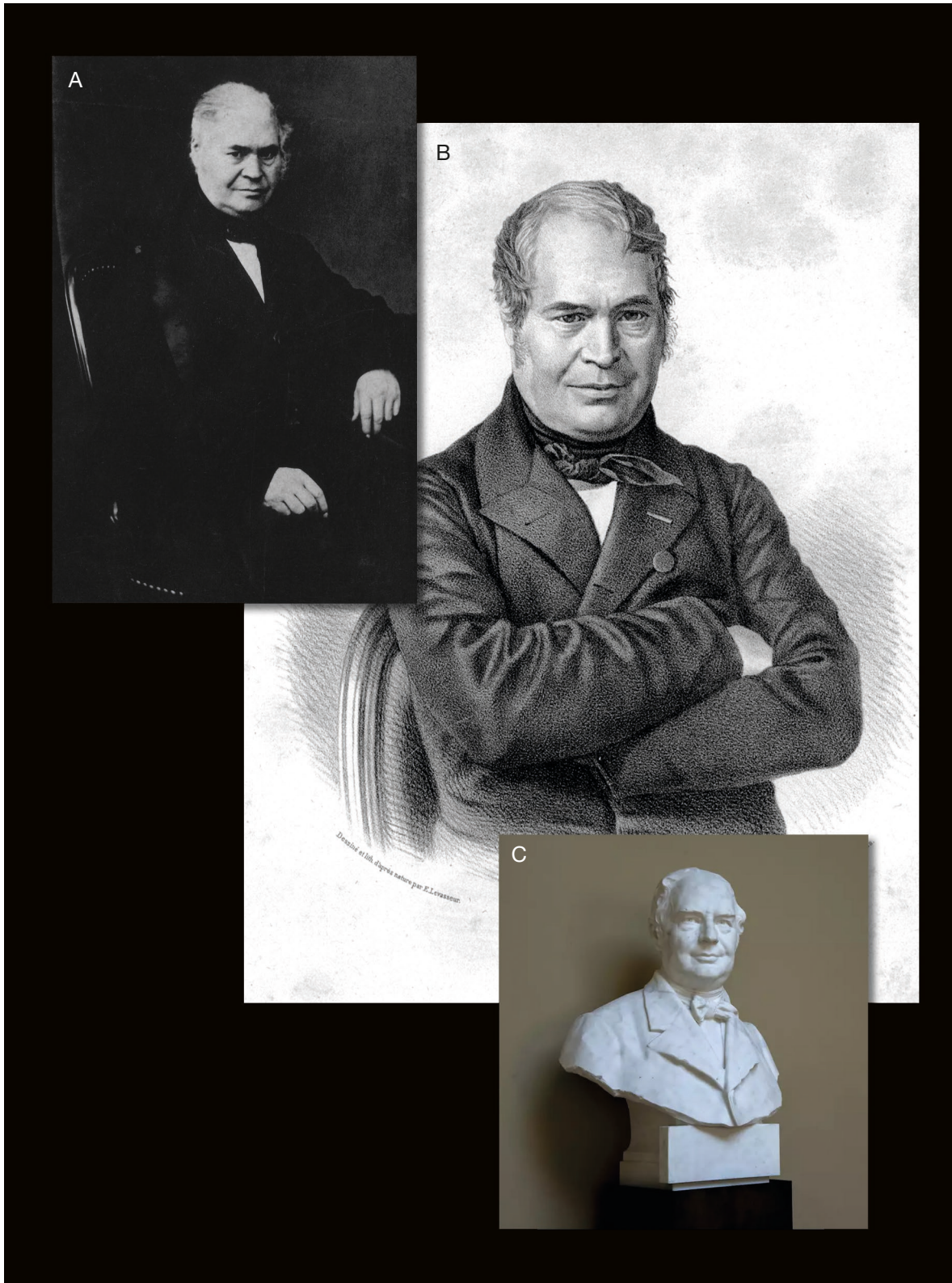


FIG. 1. — **A-C**, Gérard-Paul Deshayes (1796-1875): **A**, photograph (files in Muséum national d'Histoire naturelle); **B**, drawn and lithographed by E. Levasseur; **C**, marble bust by Jacques Ternois (1861-1953?).

He also became one of the first paleontologists to understand the correlation of separate depositional basins and the sequences of their sedimentary layers.

Also significant in these early years was completing the treatment of the Mollusca in the *Encyclopédie méthodique*, begun by Jean Guillaume Bruguière (b. 1750-d. 1798) and



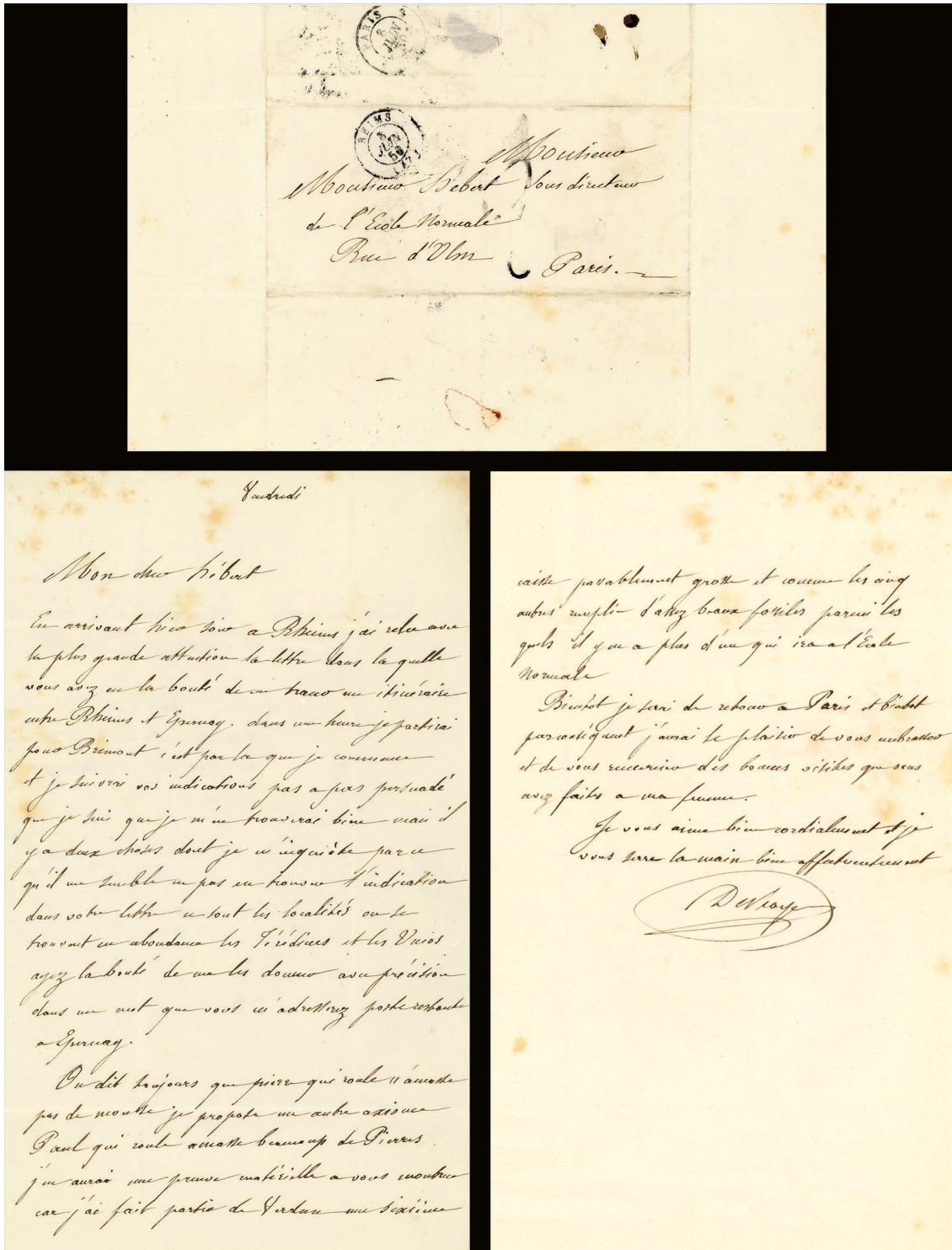


FIG. 2. — Letter from Deshayes to Edmond Hébert (1812-1890) dated June 3, 1850 (Pacaud coll.).

Jean Baptiste Pierre Antoine Lamarck (b. 1744-d. 1829) (Deshayes 1830-1832).

His work on the Paris Basin book was interrupted when Charles Paulus Bélanger (b. 1805-d. 1881) asked him to publish on the molluscs he had collected in India (Deshayes 1832b), and Bory de Saint-Vincent recruited him to work up the fossil and living

molluscs that he had collected on an expedition to southern Greece (Deshayes 1833b, 1835b). He also assigned names to a plate of the Mollusca collected in the Red Sea on the *Arabie Pétrée* expedition (Deshayes 1833d) (Kabat & Coan 2019).

Deshayes also contributed an article on “Conchifera” to Todd’s *Cyclopaedia of Anatomy* (Deshayes 1836f: 694-716),

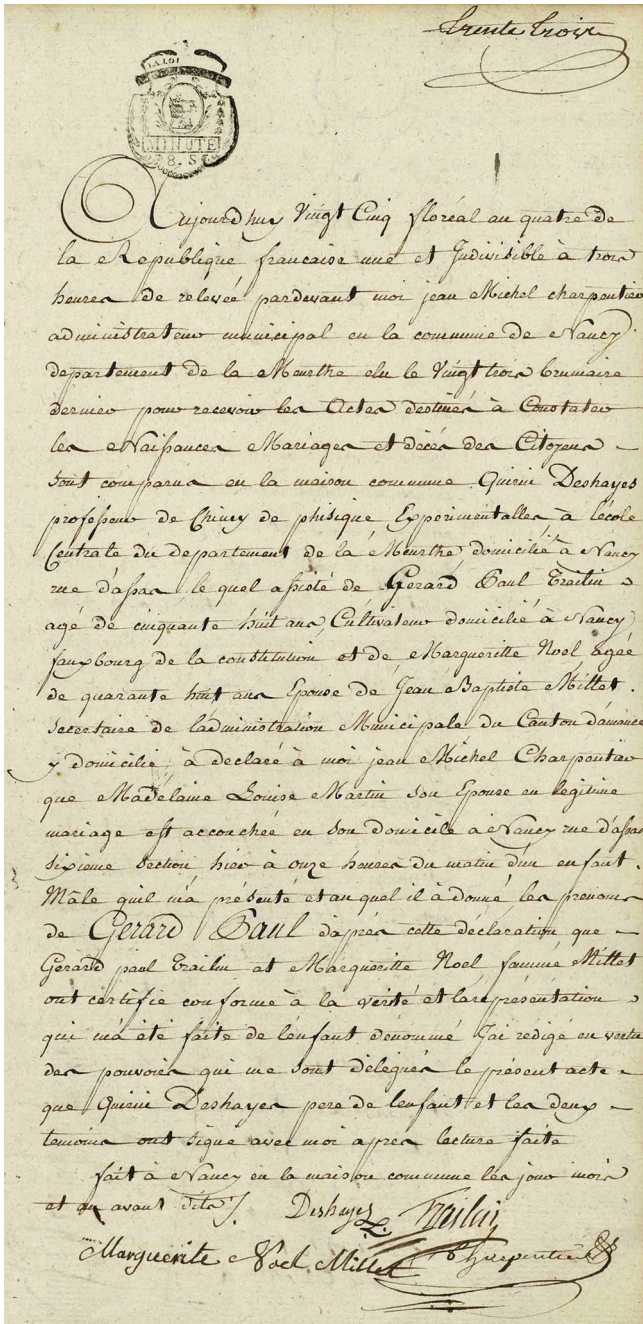


FIG. 3. — Gérard Paul Deshayes' birth certificate, born on 24 Floréal An 4 (corresponding to 13 May 1796) and issued on 25 Floréal An 4 (corresponding to 14 May 1796) (Archives municipale de Nancy, registres des naissances de l'état civil, an IV, 30 germinal-25 thermidor, cote 2 E 14).

which may have been based upon his earlier French encyclopedia articles. The original French hand-written manuscript is in the archives of the Natural History Museum of the United Kingdom (Sawyer 1971: 121).

He was named a “Chevalier” in the French Légion d’Honneur on June 2, 1837, presumably for his publications on the fossils of the Paris Basin. In 1839, he was appointed by l’Académie des Sciences to participate in the study of the fauna of Algeria. On his arrival there, Deshayes noted:

Upon arrival in Algeria at the beginning of January 1840 war was threatening everywhere, except in the eastern provinces, where there was still a deep tranquility. As this situation did not allow me an exploration of all of the coasts, I determined to split my time between three main stations I made successively in Algiers, Oran, and Bône, I proposed to connect these three localities with observations on intermediate places, if I found the opportunity [...] [translated from Deshayes 1845-Algér: vii].

While in Algeria, he collected and studied the mollusks from 1840 to 1841; in particular, he made detailed anatomical studies of bivalves. This work, like others of its day, was issued in parts, but the project stopped abruptly in 1848 with the February Revolution that overthrew King Louis Philippe I and because of personal animosities among those overseeing the project (Dondin-Payre 1995: 83-84, 103-105; Evenhuis 2012: 10). The text ends abruptly, with a few new species names appearing only on the spectacular, anatomically detailed plates (Deshayes 1845-1848) (Faber 2009) (Fig. 6).

His next major project, with Henri Milne-Edwards (b. 1800-d. 1885), was a revision of the second edition of Lamarck’s *Histoire naturelle des animaux sans vertèbres*. Deshayes alone was responsible for the six volumes on the Mollusca (Deshayes 1835-1845). The underlying text was that of Lamarck, with Deshayes adding both footnotes and supplemental text. Various formulae have been used to cite this work, but here we have simply credited the six molluscan volumes to Deshayes, who is the sole author of all the new taxa contained within them. An odd “third” but incomplete edition was published in Belgium, with some title pages having stated dates earlier than those of the second edition. However, it is merely a cheap retypeset version of the second edition, and internal evidence convinces us that it must actually have appeared later than the second.

Another project Deshayes took over was the production of a new edition of Georges Cuvier’s (b. 1769-d. 1832) *Le règne animal* (Deshayes 1836-1845). This was essentially a reprint of Cuvier’s original text, its taxonomic significance being the new species that appeared on the plates and their explanations, most now accurately dated here for the first time. There was also a pirated “third edition” of this work produced in Belgium with an overall title page misleadingly dated “1836”.

He then worked to complete the ambitious *Histoire naturelle générale et particulière des mollusques terrestres et fluviatiles* begun by André Étienne Justin Pascal Joseph François d’Audebard de Férussac (b. 1786-d. 1836). Also issued serially, the accurate dating of all its plates has never been completely determined, but fortunately only a few plates had captions with new Latin species names (Férussac & Deshayes 1839-1851).

His next major endeavor was a series of entries in volumes 1-7 of the *Dictionnaire universel d’histoire naturelle* edited by the botanist Charles Henry Dessalines d’Orbigny (b. 1806-d. 1876), younger brother of the malacologically important Alcide Charles Victor Dessalines d’Orbigny (Evenhuis 2009, 2019; Appendix 2).



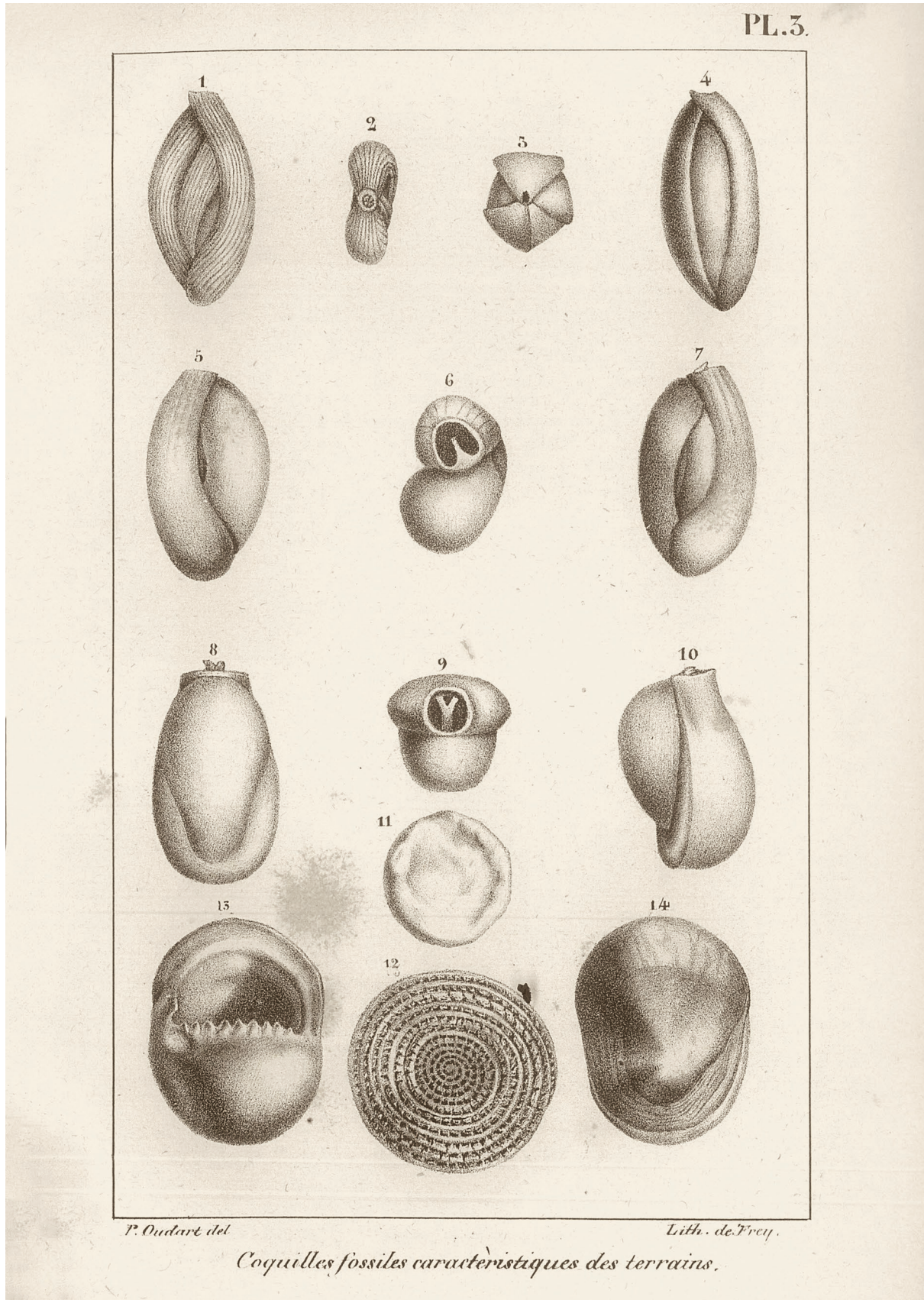


FIG. 4. — Plate 3 of the *Description de coquilles caractéristiques des terrains* (1831).



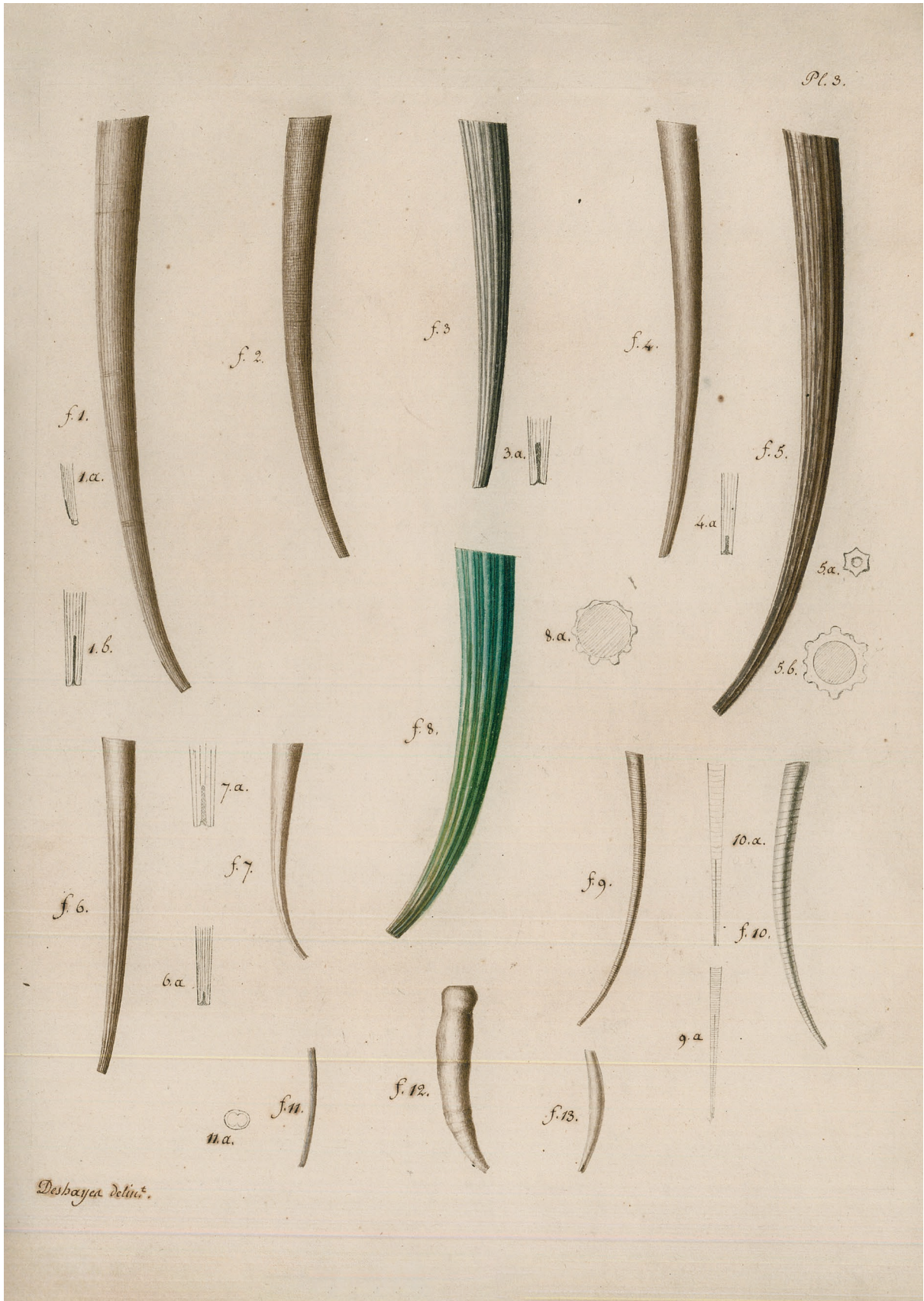


Fig. 5. — Plate from the "Anatomie et monographie du genre *Dentale*" (1826).



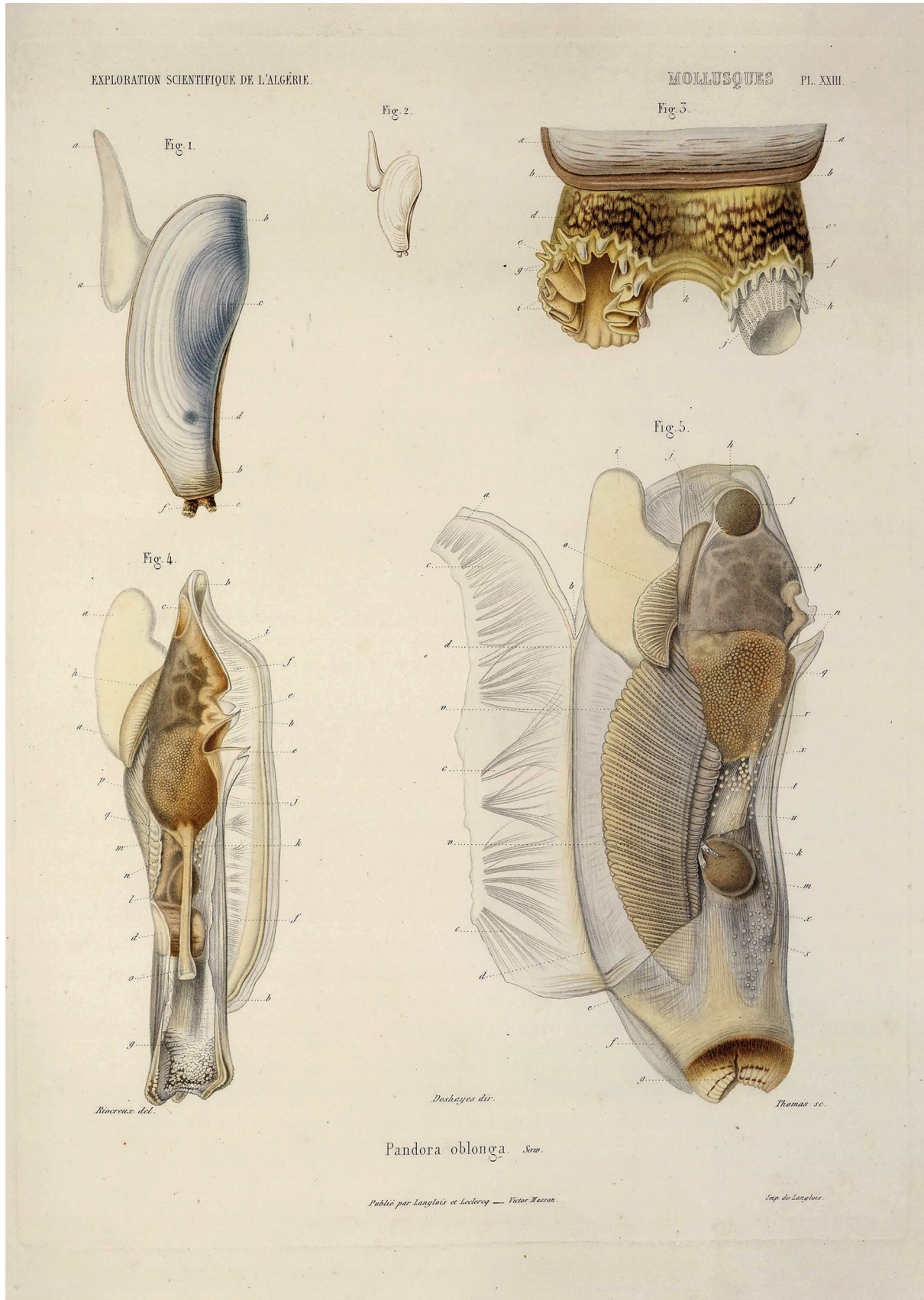


FIG. 6. — Plate 23 from *Exploration scientifique de l'Algérie* (1846).





FIG. 7. — Plate 37 of the *Traité élémentaire de conchyliologie avec les applications de cette science à la géologie* (1850).





FIG. 8. — Plate 110 of the *Traité élémentaire de conchylologie avec les applications de cette science à la géologie* (1850).



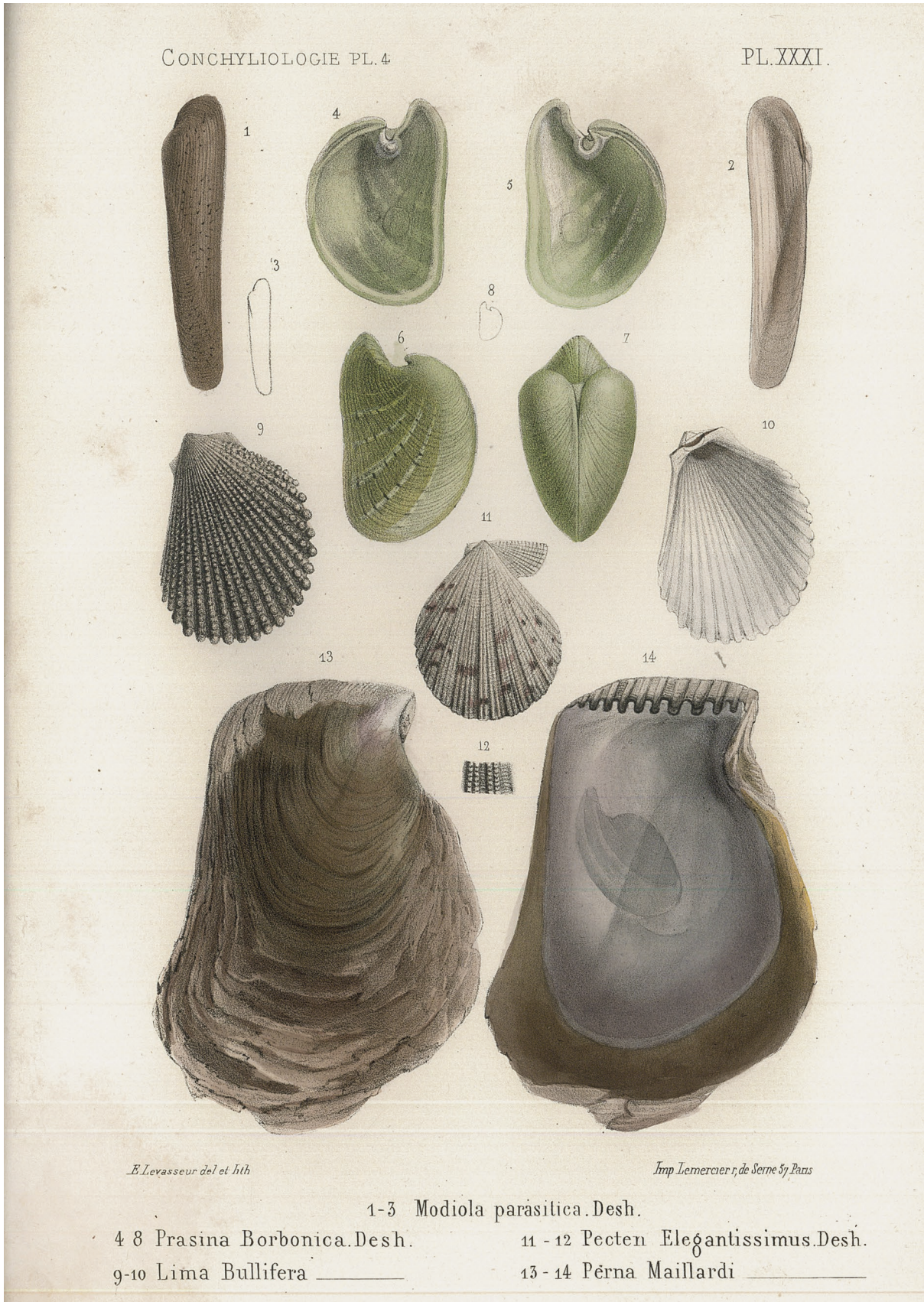


FIG. 9. — Plate 31 of the *Catalogue des mollusques de l'île de la Réunion (Bourbon)* (1863).





FIG. 10. — Plate 34 of the *Catalogue des mollusques de l'île de la Réunion (Bourbon)* (1863).



In 1839, he began to issue the first parts of his own *Traité élémentaire de conchyliologie*, but he later abandoned this project with a hastily assembled final volume, containing many new but cryptically embedded taxa, including many renamed homonyms and new names for concepts that he concluded were incorrect, unearthed as a result of his growing bibliographic card file (Deshayes 1839-1858). This card file is now housed in the Cullmann Library of Natural History, National Museum of Natural History, Smithsonian Institution, Washington, D.C. In renaming some homonyms, he was in direct competition with Alcide d'Orbigny, who sometimes preceded him in his *Prodrome* (d'Orbigny 1850a, b, 1852) with replacement names (Figs 7; 8). The result is that d'Orbigny and Deshayes renamed each other's homonyms, including creating and then renaming transitory secondary homonyms (Le Renard 1998).

Other important contributions were his paper on the fossil taxa of Crimea (1838a), the Cretaceous of the Aube Département, France (published by Leymerie 1841, 1842), and the marine fauna of Réunion Island, Indian Ocean (Deshayes 1863) (Figs 9; 10).

The Réunion publication is unique among conchological works in having a preface written by George Sand, who was then the most famous French author of the 1800s. George Sand (pseudonym for Amantine Aurore Dupin de Francueil [b. 1804-d. 1876]), corresponded with Maillard, the editor of the Réunion volume, and in her preface she specifically praised Deshayes: "*Cet ouvrage se recommande donc à tous les explorateurs de la faune malacologique comme un document d'une valeur incontestable.*" ["*This work is therefore recommended to all malacological explorers as a work of incontestable value.*"] (Sand 1863: 752; reprinted in Deshayes 1863: 4). Sand later asked Maillard to inquire with Deshayes about "*des dattes de mer*" [*Lithophaga*] that she found in the rocks on the beach at Toulon, and about Bathonian (Jurassic) fossil shells; she also thanked him for shells that Deshayes and Maillard had sent to her (Lubin 1983: 473, 535, 697).

His final major production was a completely new three-volume treatment of fossils of the Paris Basin (Deshayes 1856-1866), also issued in many parts and probably his most important work (Figs 13-15).

Deshayes was hired to identify and catalog several molluscan families at the British Museum. Unfortunately, Deshayes had a falling-out with John Edward Gray, the Keeper of Zoology at the British Museum, which led to Gray being censured by the Museum trustees, as "*the language in which Dr. Gray had allowed himself to express his opinion [...] appeared to the trustees to be highly censurable*" (Gunther 1975: 109, 110). Shortly thereafter, when the herpetologist Albert Günther was considering working at the British Museum, a colleague warned Günther that: "*Whatever engagement you make get it in writing – and consider well beforehand. M. Deshayes was in great trouble because he had made a bad bargain [with Gray] and wanted afterwards to be paid more than he asked for*" (Gunther 1975: 259). Most of the material Deshayes studied were molluscan families collected by Hugh Cuming (b. 1791-d. 1865), especially the Tellinoidea, Veneridae and

Terebridae, and he published reviews with many new species in the *Proceedings of the Zoological Society of London*, the *Journal de Conchyliologie* and in British Museum catalogues (from 1854 to 1857). While in London, he attended a meeting of the Geological Society.

During 1858, he had a visit from the Portuguese geologist Carlos Ribeiro (b. 1813-d. 1882), who examined his extensive fossil collection and prepared notes that eventually helped found the basic stratigraphy of that country published by Francisco Antonio Pereira da Costa (b. 1809-d. 1889) (1866-1867) (Brandão 2013).

Crosse (1862) noted that Deshayes was offering a course in conchology at his residence at Place Royale [now Place des Vosges] (Fig. 16); in 1861, the course had focused on the bivalves and the focus in 1862 would be on gastropods. The course was later summarized in an article (Deshayes 1873). He was awarded an Honorary Doctorate from the University of Vienna in 1865. Perrier (1877) provided a listing of Deshayes' memberships and other awards. Other researchers and collectors frequently sent him specimens to identify, and there is some indication that he was not always diligent in their return (Coan & Kabat 2017: 34).

Crosse (1867) announced that Deshayes had sold his fossil collection to the École Nationale des Mines. Only in 1869, after the resignation of Félix Joseph Henri de Lacaze-Duthiers (b. 1821-d. 1901), was Deshayes finally appointed as the Chair for molluscs, vers and zoophytes at the Muséum national d'Histoire naturelle, although he had been a fixture there for some thirty years (Métivier 1982: 17).

Deshayes was a member and sometimes chairman of the Société géologique de France, and on February 18, 1870, he received the Wollaston Medal from the Geological Society of London (Anonymous 1870). He was then in poor health due at least in part to heart disease, but he wrote the Society:

*The noble reward with which I am honored is the only one I had aspired to; it happens to me in my old age; for me it is the crowning achievement of my scientific life, which began just fifty years ago. I am happy and proud to see my works approved by the most competent men in the world. I would have liked to go to London to the general meeting of the Society; I had the good fortune to attend it once in my life, and I confess that I have preserved the most agreeable and precious memory of it; seated near my friends Murchison, Forbes, and la Bèche, can I lose such memories attaching to such men! This year, unfortunately, it will be impossible for me to go to London; my age, my health, the occupations given me by my functions at the Museum, are obstacles which I cannot surmount [translated from Anonymous 1870].*

Life at the museum was significantly disrupted in 1870 by the Franco-Prussian War. As noted by Milne-Edwards *et al.* (1871):

*Eight of our sections were ravaged in this way by Prussian artillery; no branch of [...] zoology has been spared;*



[...] but it was the offices of the Chair of Malacology and the Chair of Mammalogy that suffered the most. The fine collection of shells recently donated to the Museum by M. de Saint-Marceau has been badly damaged; a valuable series of fossil shells, assembled by the care of one of us (M. Deshayes), have been largely crushed [...] [translated from Milne-Edwards *et al.* 1871].

In ill health, Deshayes moved in 1873 to Provence, then in 1875 to Boran-sur-Oise (Oise), not far from Valmondois where he had begun his study of Paris Basin mollusks. At this time his work on the molluscs of Cambodia appeared (Fig. 17). He passed away on June 9, 1875, at the age of 79, survived by his wife and a daughter (Crosse & P. Fischer 1876a; Perrier 1877; Fig. 18). His library was offered for sale in December 1875 at his Paris residence, given as no. 20 Place des Vosges (Crosse 1875b: 360-361), a central square now home to many restaurants and art galleries. His library sold for a total of 28 794 francs (Crosse 1875c), about \$175 000 in today's dollars. It comprised 2 187 lots and was sold over a period of 10 days (Anonymous 1875a). Perhaps as part of that sale, William Healey Dall purchased Deshayes' large bibliographic and taxonomic card file (Woodring 1958: 101-102).

While coming to understand the time sequence of geological layers, as well as interbasin correlation, Deshayes never came to embrace the concept of evolution, instead believing that the different eras represented separate creations, with successive new innovations between the fundamental major new renewals (Perrier 1877; Gayet & Babin 2007: 107-108).

Other biographical resources not cited above include: Cailliez 1984: 3; 1995: 14; Cailliez & Finet 1997: 35; Dance 1986: 138-139, 210; Jaussaud, in Jaussaud & Brygoo 2004: 184-185; Lambrecht *et al.* 1938: 112-113; Merle 2008a: 40-42; Merle *et al.* 2008: 50.

## THE GLAND OF DESHAYES

In addition to numerous genera and species named after Deshayes, one molluscan anatomical structure is also named after him. When Deshayes described the anatomy of the "Taret" or shipworm (Bivalvia: Teredinidae), he discussed a large glandular structure of unknown function (Deshayes 1846b: 300-301). Six decades later, Charles P. Sigerfoos, a professor at the University of Minnesota, published a detailed anatomical description of shipworms, and he described this glandular structure, unique to the Teredinidae: "In honor of the observer who first called attention to them, I have called them the 'glands of Deshayes.' *Though he [Deshayes] pointed them out they have never been fully described as to character, structure, and relations*" (Sigerfoos 1908: 212). Subsequently, Waterbury *et al.* (1983) discovered that the gland of Deshayes was how shipworms were able to use symbiotic bacteria to digest the cellulose in the wood and fix the nitrogen. More recently, Altamia & Distel (2022) discovered how the cellulolytic enzymes are transported within the shipworm and used "ducts of Deshayes" for the anatomical feature involved.

## METHODS

We initially searched online library and other databases for Deshayes publications. As the project continued, additional obscure publications were discovered, including many untitled notes and lists of taxa with the *Bulletin de la Société géologique de France*. The latter have been included in the bibliography only if they contain taxonomically relevant information. Sherborn (1922-1933) and Ruhoff (1980) were reviewed for taxa credited to Deshayes. The latter, although a monumental, very useful effort, missed many taxa, and it contains many misattributions and incorrect dates. Online databases, such as MolluscaBase, were searched for Deshayes taxa, and all Deshayes' publications were reviewed page by page.

The taxa were then organized by phylum and family to the greatest extent possible and an effort has been made to find their current allocations. Taxa for which no recent literature was found have of necessity been left in the families where the original genus now belongs, and many of these with more careful specialist study will be found to belong in other families.

Where known, type material has been listed. Many more types await discovery in France and possibly London.

## DESHAYES TAXA

All the over 4 000 molluscan and other animal taxa introduced or described by Deshayes are listed here, mostly organized by family. This includes his *nomina nuda* as well as his misspellings of names proposed by earlier authors. Following these Deshayes taxa, below a single centered dot, are taxa that were attributed to Deshayes, both "ex ms species" and errors in the literature, each indicating their correct authorship. We have included as much as we can about their current status of all taxa based on subsequent literature.

Following the definitions given in MolluscaBase, the term "taxon inquirendum" is used in cases when we have been unable to find a recent treatment of the taxon involved, but there may be sufficient information available for experts on the group to provide a modern placement. The term "nomen dubium" is used in cases when there is insufficient information and often the type material is missing. There is, of course, no sharp delineation between these two categories. An effort has been made to list type material currently recognized in the three institutions known to have the vast majority of Deshayes types, that is, Muséum national d'Histoire naturelle (Paris), Université Claude Bernard Lyon 1 and Natural History Museum of the United Kingdom. It was not practical, given the number of taxa involved, to undertake a search of additional type material. This is best undertaken in the course of taxonomic revisions and/or by the institutional curators.

Deshayes employed many vernacular groupings with genera using vernacular terms, which do not qualify as scientific names. In only a few cases, notably under *Rissoa*, did he employ Latinized subgenera. A few names for groupings above the superfamily level in the Gastropoda are given in Bouchet *et al.* (2017) and are not repeated here.



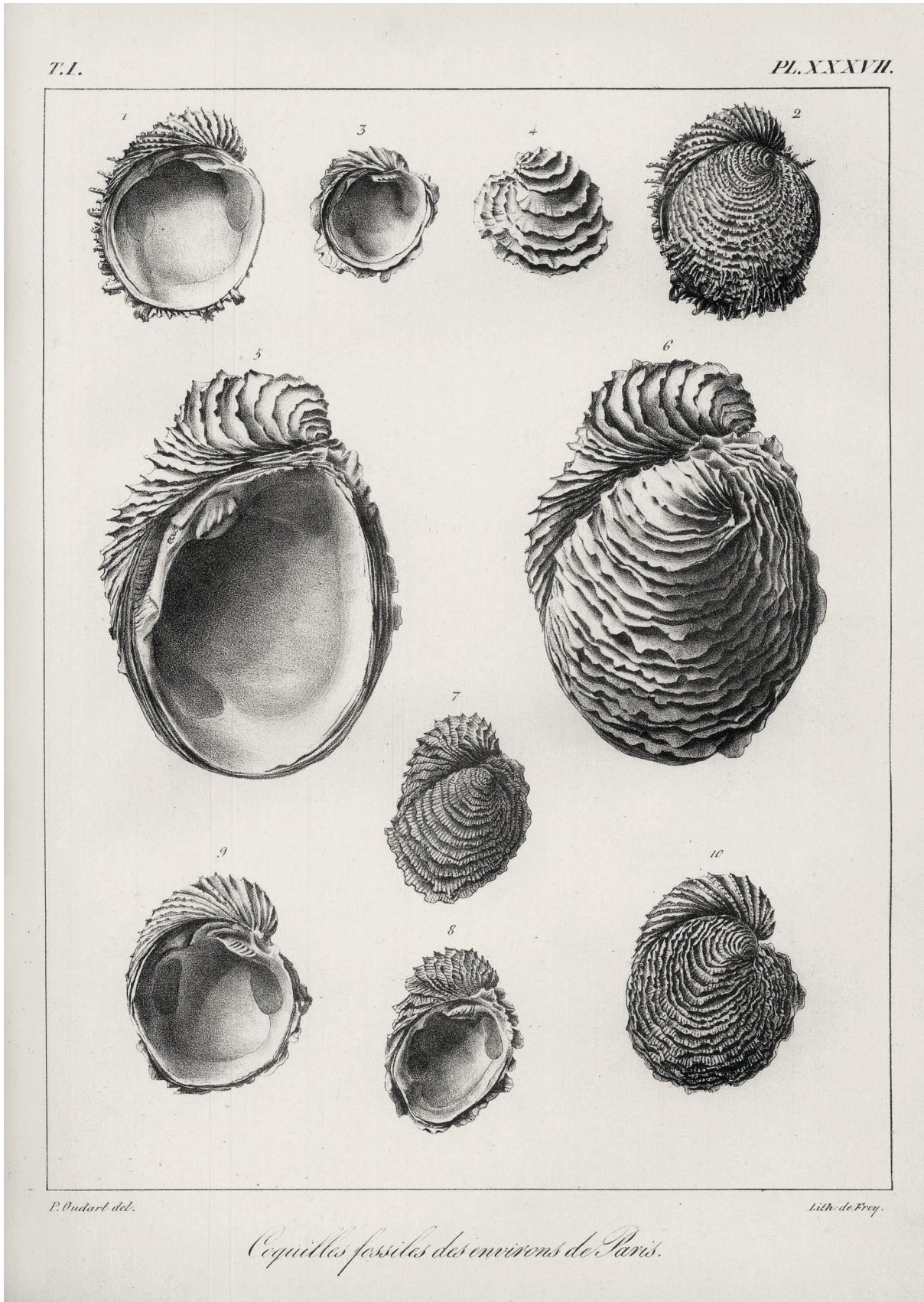


Fig. 11. — Plate 37 of the *Description des coquilles fossiles des environs de Paris*, Vol. 1 (1829).



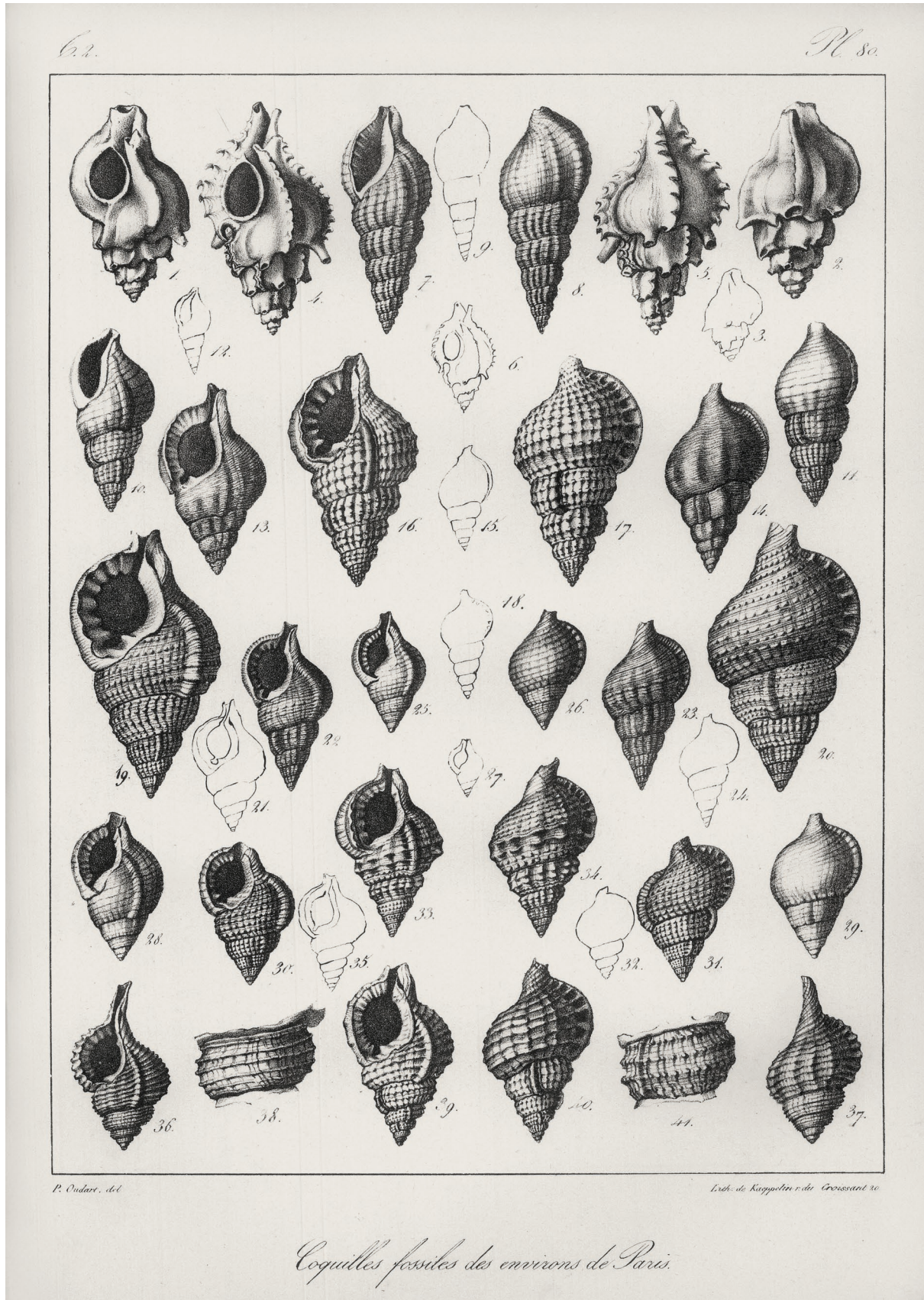


Fig. 12. — Plate 80 of the *Description des coquilles fossiles des environs de Paris*, Vol. 2 (1835).



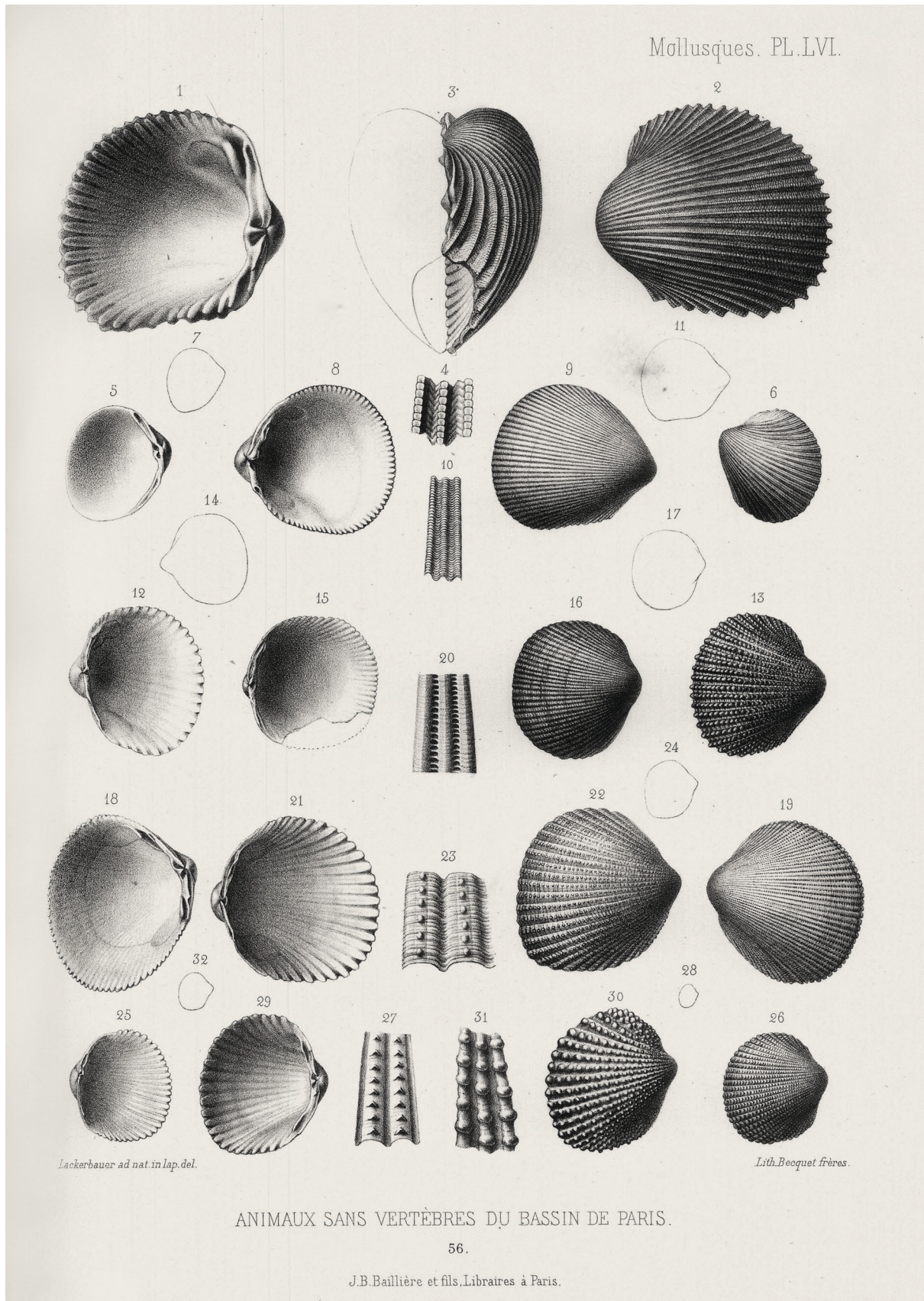


FIG. 13. — Plate 56 of the *Description des animaux sans vertèbres découverts dans le bassin de Paris [...]* (1858).





FIG. 14. — Plate 78 of the *Description des animaux sans vertèbres découverts dans le bassin de Paris* [...] (1864).





Fig. 15. — Colored plate 96 of the *Description des animaux sans vertèbres découverts dans le bassin de Paris* [...] (1865).





FIG. 16. — Residence of Deshayes at 20 place des Vosges, Paris 4<sup>ème</sup> arrondissement.

In many instances, Deshayes employed very broad generic definitions. For example, he included within the bivalve genus *Nucula* members of the Nuculidae, Nuculanidae, Mallettiidae and Yoldiidae. Similarly, his use of *Trochus* encompassed members of the Trochidae, Turbinidae and Calliostomatidae, as well as several other families. Those species for which we have not located a modern allocation are generally listed in the family in which they were originally proposed based on their genus, but they may well belong elsewhere. Given the many taxa involved, living and fossil, and the broad taxonomic, geographic and geologic scope of his work, we have undoubtedly missed some relevant literature. J.-M. Pacaud has provided many new synonymies in this list and proposed substitute names for some homonyms, particularly for the Paris Basin fossil taxa.

The Index at the end of this paper will allow location of each of the Deshayes and pseudo-Deshayes taxa. We have not indexed names for which he proposed replacements, nor replacement names for his taxa (other than those he renamed himself), nor any of the other taxa described by other authors, such as senior or junior synonyms or homonyms.

In some publications, Deshayes listed himself as author of taxa when all he did was to transfer someone else's species from its original genus to another. Later researchers and nomenclators have sometimes misinterpreted these as new Deshayes species. In some works, he did not list any authors

of figured taxa, including in cases of generic transfers and of new species, resulting in much subsequent confusion.

Authorship of taxa is covered by ICZN *Code* Article 50 (1999):

*“The author of a name or nomenclatural act is the person who first publishes it. [...] if it is clear from the contents that some person other than an author of the work is alone responsible both for the name or act and for satisfying the criteria of availability other than actual publication, then that other person is the author of the name or act.”*

Deshayes' works contain examples of names coined by other workers but first made available by Deshayes himself and examples of names coined by Deshayes first published in the papers or books written by other researchers. Previous workers have not always consistently applied these rules, particularly before the current wording of the *Code*, and their divergent interpretations have lingered in the literature. Moreover, there can be instances that are hard to determine. We have tried to be consistent, and we provide a listing of taxa that have been misattributed to Deshayes after the listing of taxa in that family that actually are to be attributed to him.

Each entry starts with the entries in Deshayes' own works as well as publications by others within which he proposed new taxa, with citations to references in the Deshayes bibliography. For the Deshayes citations, the pages, plates and figures are listed; the pages in separately paginated plate explanations are given in italics. When Deshayes treated his





Fig. 17. — Plate 7 of the "Mémoire sur les mollusques nouveaux du Cambodge envoyés au Muséum par M. le Docteur Jullien" (1876).



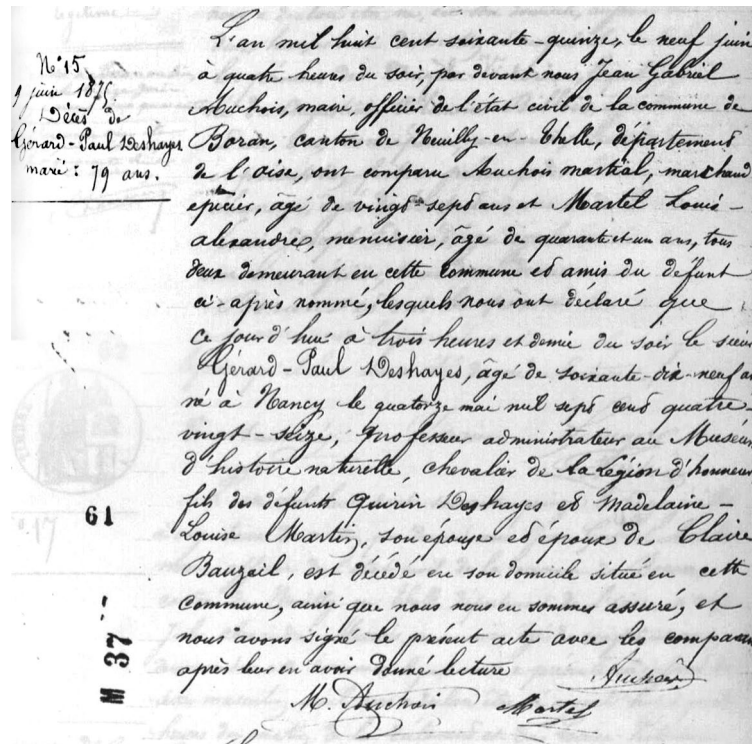


FIG. 18. — Gérard Paul Deshayes' death certificate (Archives départementales de l'Oise, état civil, Boran-sur-Oise, Naissances, Mariages, Décès, 1874-1877, cote 3E86/1, année 1875, acte no. 15).

earlier taxa in his later works, these references are included in the taxonomic list; these subsequent listings often add more detailed descriptions, corrected or additional localities, and/or illustrations. However, there are instances when his earlier species are unexpectedly not mentioned in his later monographs, as well as instances when he used the same name for a different species in the same genus, thus creating his own junior homonyms.

Deshayes variously used the endings “-i” or “-ii” for taxa honoring other workers. Whatever he used in the original is the correct original spelling [ICZN Code Article 33.4], but subsequent publications, including his own, may have added or subtracted an “i”.

Deshayes assembled a large card file of fossil and Recent species and their subsequent treatments, often grouping disparate taxa under a single broad generic name. This resulted in him renaming many homonyms, including both his own and those of others, particularly in the *Traité élémentaire de conchyliologie*. In some cases, his replacement names have themselves proved to be preoccupied. In other cases, he used the terminology appropriate for renaming a homonym when in fact he was proposing a new species based on a subsequent treatment of an older name for what he considered to be a different taxon. We have endeavored to make a clear distinction between such new species and the actual renaming of homonyms. In some cases, he got authorships, spellings and/or relative dates wrong, sometimes even renaming the senior homonym. In our list, we have avoided the ambiguous term “new name”, instead using “replacement name” for renamed homonyms and “new species” for proposals

of new names for what he considered to be mistaken concepts of earlier species.

Fossil localities can be assumed to be in France unless otherwise stated.

Where type material is known, it is listed. When someone has attempted to find the type material and been unsuccessful, this is noted. If it is known that type material is missing, this is also noted. However, particularly for his fossil material now in Lyon, most of the type material has not yet been documented online or in publications.

In many cases, he cited earlier figures in works by others. To avoid over-complicating this list, we have generally not repeated these here, which would have generated many additional literature citations to our otherwise very large Literature Cited, although we have cited such earlier works when he renamed their contained homonyms.

In this list, **bold face** is used to highlight replacement names and generic type designations. Aside from clarifying comments, square brackets are used to indicate the original genus for taxa by other authors and to indicate the author and date of species names in cases when Deshayes taxa are now regarded as subspecies.

#### ABBREVIATIONS

##### *Institutional abbreviations*

MCSNM	Museo Civico di Storia Naturale di Milano, Italy;
MCZ	Museum of Comparative Zoology, Harvard University, Cambridge, Massachusetts, United States;
ML-PAL	Musée des Sciences de Laval, France;
MNHN	Muséum national d'Histoire naturelle, Paris, France;



TABLE 1. — Number of Deshayes taxa in various groups.

Taxon	Genera	Species					Total Species
		Recent	Cenozoic (France)	Cenozoic (other)	Older	Unknown	
Gastropoda	35	603	1372	36	18	6	2035
Bivalvia	36	622	896	87	97	20	1722
Rostroconchia	0	0	0	0	2	0	2
Polyplacophora	0	10	1	0	0	0	11
Scaphopoda	1	8	23	1	1	2	35
Cephalopoda	3	0	12	0	10	6	28
Mollusca subtotal	75	1243	2304	124	128	34	3833
Foraminifera	1	13	15	4	1	13	46
Cnidaria	0	1	6	0	0	0	7
Echinodermata	0	0	1	0	0	0	1
Brachiopoda	1	4	10	1	0	6	21
Cirripedia	0	2	0	0	0	2	4
Annelida	0	1	2	0	0	2	5
Sipuncula	1	2	0	0	0	0	2
Total	78	1266	2338	129	129	57	3919

MNHN.F MNHN fossil collection;  
 MNHN-IM MNHN Recent invertebrate collection;  
 NHMUK Natural History Museum of the United Kingdom, London, United Kingdom;  
 PIMB NHMUK Palaeo Invertebrate Mesozoic Bivalve;  
 SMWi Städtisches Museum in Wiesbaden, Germany;  
 UCBL-EM Formerly the collection of the École nationale supérieure des Mines de Paris (ENSM), now at the Université Claude Bernard Lyon 1, Villeurbanne, France.

HistNatAnim3 *Histoire naturelle des animaux sans vertèbres* [reset partial version of the preceding printed in Bruxelles] (1839-1843);  
 HistNatTerrFluv *Histoire naturelle générale et particulière des mollusques terrestres et fluviatiles* (1839-1850);  
 RegAnim *Le règne animal distribué d'après son organisation, pour servir de base à l'histoire naturelle des animaux, et d'introduction à l'anatomie comparée, par Georges Cuvier* (1836-1845);  
 TraitElem *Traité élémentaire de conchyliologie* (1839-1858);

Where applicable, we cite various provisions in the International Code of Zoological Nomenclature, such as “ICZN Code Art. 59.3”. These refer to International Code on Zoological Nomenclature (1999, as amended in 2012).

The order of families within the Gastropoda follows that of Bouchet *et al.* (2017) and within the Bivalvia that of Bouchet & Rocroi (2010), subsequent changes as reflected in MolluscaBase: <https://www.molluscabase.org/>.

TYPE SPECIES DESIGNATIONS OF GENERA

The standard abbreviations are given for the manner of type species designations of genera:

- OD original designation;
- M monotypy;
- T tautonomy;
- SM subsequent monotypy;
- SD subsequent designation.

DESHAYES' SERIAL PUBLICATIONS

The following are the abbreviations of Deshayes' serial publications (details in the Deshayes Bibliography):

- Algér *Histoire naturelle de mollusques. Mollusques acéphalés. Exploration scientifique de l'Algérie* (1845-1848);
- DescrCoqFoss *Description des coquilles fossiles des environs de Paris* (both the 1824-1837 and 1856-1866 editions);
- DictClass *Dictionnaire classique d'histoire naturelle* (1823-1831);
- DictUniv *Dictionnaire universel d'histoire naturelle* (1839-1846);
- EncyMeth *Encyclopédie méthodique. Histoire naturelle des vers* (1830-1832);
- HistNatAnim2 *Histoire naturelle des animaux sans vertèbres* (1835-1845);

STATISTICS ON DESHAYES NEW TAXA

Deshayes described a total of 4 004 taxa that are catalogued herein. These comprise 3 919 species, 78 genera, six family-level names (Chenopidae, Etheriidae, Mulleriidae, Erycinidae, Sphaeriidae and Dosiniinae), and one class or order (Pleurobranchida). Of the 4 004 taxa, 3 915 are molluscan, and 89 are non-molluscan. Table 1 (above) indicates the distribution of the new taxa according to the molluscan classes or other invertebrate phyla. Note that Deshayes described some taxa as both Recent and fossil; those were only counted as Recent instead of being double-counted. Similarly, some Cenozoic taxa were described from both France (primarily the Paris Basin Eocene) and elsewhere in Europe; those were only counted as from France (Table 1).

Of the 3 919 new species, nearly 52% are gastropods; nearly 44% are bivalves; only about 2% are in the other molluscan classes, with just over 2% from other invertebrate phyla. Of the 3 919 new species, just over two thirds (67.7%) are fossils, the vast majority coming from Cenozoic faunas in France (with the Paris Basin Eocene predominant).

In addition, we have indexed 384 names that were incorrectly attributed to Deshayes; this number is assuredly an undercount as it would require surveying the entire malacological literature to identify all such erroneous attributions. Many came about as a result of labels left in collections for taxa never described in print. We have also



indexed 65 names that are incorrect subsequent spellings by Deshayes of taxa described by earlier authors.

Deshayes described new species in a total of 332 molluscan families. However, only 10 families account for over one-fourth of the new molluscan species – the Veneridae (181 species), Tellinidae (128 species), Cyrenidae (122 species), Cardiidae (103 species), Terebridae (97 species), Lucinidae (86 species), Psammobiidae (73 species), Arcidae (70 species), Galeommatidae (66 species) and Carditidae (61 species). The reader will note that only one gastropod family is in the “top 10” (Terebridae), which reflects both the fondness that Deshayes had for the Bivalvia, and that he was tasked with publishing several catalogues of the bivalves in the British Museum. By way of comparison, Sylvanus Hanley (1819-1899), a contemporary of Deshayes, also had an inordinate fondness for the bivalves, with the Tellinidae and Veneridae alone comprising nearly 32% of Hanley’s new taxa (Coan & Kabat 2012: 291).

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## CATALOG OF DESHAYES TAXA

### Class GASTROPODA Cuvier, 1797

#### Family EOACMAEIDAE Nakano & Ozawa, 2007

*profunda*, *Patella* – Deshayes, 1863: 44-45, pl. 6, figs 15-16. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-4977, 5 syntypes. — Type species (OD) of *Eoacmaea* Nakano & Ozawa, 2007. — Current status: *Eoacmaea profunda* (Deshayes, 1863) (Wilson 1993: 34, pl. 1, fig. 10, as *Patelloidea*); Poppe 2008a: 90, pl. 3, figs 2, 4 (as *Patelloidea*); Poppe 2018: 114, 116 (as *Eoacmaea*).

#### Family PATELLIDAE Rafinesque, 1815

*acuminatus*, *Parmophorus* – Deshayes, 1861-DescrCoqFoss: 259, 6, pl. 6, figs 37-40. — Type locality: Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). — Current status: *Proscutum acuminatum* (Deshayes, 1861) (Le Renard & Pacaud 1995: 87; Leroy *et al.* 2014: 23, pl. 15, fig. 2a-b).

*algira*, *Patella* – Deshayes, 1844-RegAnim: pl. 66, fig. 1, 1a-d, detailed anatomical figures. — Type locality: presumably Algeria. — Type age: Recent. — Current status: synonym of *Cymbula safiana* (Lamarck, 1819) [*Patella*], the latter figured in Cossignani & Ardevini (2011: 82, as *C. nigra*).

*angustus*, *Parmophorus* – Deshayes, 1824-DescrCoqFoss: 14, 1 [fig. 17 miswritten as 16], pl. 1, figs 16-17. — Type localities: Thiverval-Grignon & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). 1832-EncyMeth: 702; 1836-HistNatAnim2: 580; 1843-HistNatAnim3: 213; 1837-DescrCoqFoss: 813 [correction made]; 1861-DescrCoqFoss: 257. — Current status: *Proscutum angustum* (Deshayes, 1824) (Le Renard & Pacaud 1995: 87; Pacaud 2008: 42).

*antiqua*, *Patella*; see: *contigua*, *Patella*

*auversiensis*, *Patella raincourti* – Deshayes, 1861-DescrCoqFoss: pl. 5, figs 8-12. — Type locality: Auvers-sur-Oise. — Type age: Eocene (Bartonian). — Current status: *Patella raincourti auversiensis* Deshayes, 1861 (Le Renard & Pacaud 1995: 86).

*caelatus*, *Parmophorus*; see: *coelatus*, *Parmophorus*

*canaliculus*, *Parmophorus* – Deshayes, 1861-DescrCoqFoss: 257-258, 6, pl. 6, figs 25-28. — Type localities: Parnes, Thiverval-Grignon, Mouy & Coincourt. — Type age: Eocene (Lutetian). — Current status: *Proscutum canaliculus* (Deshayes, 1861) (Le Renard & Pacaud 1995: 87; Pacaud 2008: 42, as “1824”).

*coelatus*, *Parmophorus* – Deshayes, 1861-DescrCoqFoss: 255-256, 6, pl. 6, figs 9-12, as *P. “caelatus”*. — Type localities: Parnes, Thiverval-Grignon, Damery, Boursault & Hermonville. — Type age: Eocene (Lutetian). — Current status: *Proscutum coelatum* (Deshayes, 1861) (Le Renard & Pacaud 1995: 87).

*compressus*, *Parmophorus* – Deshayes, 1861-DescrCoqFoss: 258, 6, pl. 6, figs 41-44. — Type localities: Boursault & Parnes. — Type age: Eocene (Lutetian). — Type species (M) of *Proscutum* P. Fischer, 1885. — Current status: *Proscutum compressum* (Deshayes, 1861) (Le Renard & Pacaud 1995: 87; Pacaud 2008: 42, as “1824”).

*concauus*, *Parmophorus* – Deshayes, 1861-DescrCoqFoss: 253, 6, pl. 6, figs 5-8. — Type localities: Le Fayel & Boucouvilliers. — Type age: Eocene (Bartonian). — Current status: *Proscutum concauum* (Deshayes, 1861) (Le Renard & Pacaud 1995: 87).

*contigua*, *Patella* – Deshayes, 1861-DescrCoqFoss: 229, 8, as *Patella “antiqua”*, pl. 8, figs 12-15; 1865-DescrCoqFoss: 666 [error corrected]. — Type locality: Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Current status: *Patella contigua* Deshayes, 1861 (Le Renard & Pacaud 1995: 86).

*crassicosta*, *Patella* – Deshayes, 1833b: 232, *nomen nudum*; 1835b: 133. — Type locality: Peloponnese Peninsula, Greece. — Type age: Subapennine Formation, Pliocene. — Current status: *nomen dubium*.



*cymbiola*, *Parmophorus* – Deshayes, 1861-*DescrCoqFoss*: 258-259, 6, pl. 6, figs 33-36. — Type locality: Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Current status: *Proscutum cymbiola* (Deshayes, 1861) (Le Renard & Pacaud 1995: 87; Leroy *et al.* 2014: 23, pl. 15, fig. 1a-b).

*defrancii*, *Patella* – Deshayes, 1861-*DescrCoqFoss*: 228, 13, pl. 13, figs 5-8. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Patella defrancii* Deshayes, 1861 (Le Renard & Pacaud 1995: 86; Pacaud 2008: 41).

*delicatula*, *Patella* – Deshayes, 1861-*DescrCoqFoss*: 228, 5, pl. 5, figs 24-27. — Type localities: Thiverval-Grignon, Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: synonym of *Acmaea* (*Acmaea*) *scutatella* (Lamarck, 1802) (Le Renard & Pacaud 1995: 86), now *Patella scutatella* Lamarck, 1802 (Lozouet *et al.* 2001: 16).

*depressus*, *Parmophorus* – Deshayes, 1861-*DescrCoqFoss*: 257, 6, pl. 6, figs 21-24. — Type localities: Thiverval-Grignon, Parnes & Boursault. — Type age: Eocene (Lutetian). — Current status: synonym of *Scutum angustum* (Deshayes, 1824) (Cossmann, 1888: 41), now *Proscutum angustum* (Deshayes, 1824) (Le Renard & Pacaud 1995: 87; Pacaud 2008: 42).

*dutemplei*, *Patella* – Deshayes, 1861-*DescrCoqFoss*: 229, 5, pl. 5, figs 13-16. — Type localities: Parnes & Damery. — Type age: Eocene (Lutetian). — Current status: synonym of *Acmaea* (*Acmaea*) *dulcis* (Lamarck, 1803) (Le Renard & Pacaud 1995: 86). *Acmaea dulcis* (Lamarck, 1803) (Pacaud 2008: 41).

*levata*, *Patella* – Deshayes, 1863: 44, pl. 6, fig. 14. — Type locality: La Réunion. — Type age: Recent. — Current status: synonym of *Patella exusta* Reeve, 1854, or subspecies thereof (Powell 1973: 127-128, pl. 98, fig. 1, pl. 104, fig. 3).

*moreli*, *Patella* – Deshayes, 1863: 43, pl. 6, fig. 13, *ex* Maillard ms. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-4964, 3 syntypes. — Current status: synonym of *Scutellastra flexuosa* (Quoy & Gaimard, 1834) [*Patella*] (Christiaens 1986: 102).

*ovalinus*, *Parmophorus* – Deshayes, 1861-*DescrCoqFoss*: 254, 6, pl. 6, figs 13-16. — Type localities: Thiverval-Grignon, Parnes, Mouchy-le-Châtel, Saint-Félix, Chaussy, Liancourt-Saint-Pierre & Vaudancourt. — Type age: Eocene (Lutetian). — Current status: *Proscutum ovalinum* (Deshayes, 1861) (Le Renard & Pacaud 1995: 87; Pacaud 2008: 42).

*radiolatus*, *Parmophorus* – Deshayes, 1861-*DescrCoqFoss*: 254, 4, pl. 4, figs 9-11. — Type locality: Mouy. — Type age: Eocene (Lutetian). — Current status: *Proscutum radiolatum* (Deshayes, 1861) (Le Renard & Pacaud 1995: 87; Pacaud 2008: 42).

*raincourti*, *Patella* – Deshayes, 1861-*DescrCoqFoss*: 227, 5, pl. 5, figs 5-7. — Type localities: Verneuill, Le Fayel, Auvers-sur-Oise & Serans. — Type age: Eocene (Bartonian). — Current status: *Patella raincourti* Deshayes, 1861 (Le Renard & Pacaud 1995: 86).

*rigaulti*, *Patella* – Deshayes, 1861-*DescrCoqFoss*: 226-227, 5, pl. 5, figs 17-20. — Type localities: Caumont & Auvers-sur-Oise. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32389, syntype from Caumont. — Current status: *Patella rigaulti* Deshayes, 1861 (Le Renard & Pacaud 1995: 86).

*terminalis*, *Parmophorus* – Deshayes, 1861-*DescrCoqFoss*: 255, 6, pl. 6, figs 17-20. — Type localities: Thiverval-Grignon & Parnes. — Type age: Eocene (Lutetian). — Current status: *Proscutum terminale* (Deshayes, 1861) (Le Renard & Pacaud 1995: 87; Pacaud 2008: 42).

*elongatus*, *Parmophorus* – Le Renard & Pacaud (1995: 87) listed this species, as a Deshayes *Proscutum*, as it had been listed by Deshayes (1861-*DescrCoqFoss*: 255). However, the species name had its origin as *Patella elongata* Lamarck, 1803.

#### Family LOTTIIDAE J. E. Gray, 1840

*centralis*, *Patella* – Deshayes, 1861-*DescrCoqFoss*: 230, 5, pl. 5, figs 1-4. — Type localities: Auvers-sur-Oise, Valmondois & Le Fayel. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32388, syntype from Le Fayel. — Current status: *Patelloida centralis* (Deshayes, 1861) (Le Renard & Pacaud 1995: 86).

*glabra*, *Patella* – Deshayes, 1824-*DescrCoqFoss*: 10, 1, pl. 1, figs 9, 12 [in text, fig. 12 miswritten as 11], *non* Turton, 1806; 1837-*DescrCoqFoss*: 811 [correction noted]; 1861-*DescrCoqFoss*: 230. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32129, syntypes. — Current status: *Patelloida deshayesia* Lindberg & Vermeij, 1985 (Lindberg & Vermeij 1985: 416-417, fig. 16), replacement name.

#### Family ACMAEIDAE Forbes, 1850

*marceauxi*, *Patella* – Deshayes, 1858: 552, *nomen nudum*; 1861-*DescrCoqFoss*: 226, 5, pl. 5, figs 21-23. — Type locality: Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Current status: *Acmaea* ? *marceauxi* (Deshayes, 1861) (Le Renard & Pacaud 1995: 86).

#### Family LEPETIDAE J. E. Gray, 1850

*duclosii*, *Patella* – Deshayes, 1824-*DescrCoqFoss*: 9, 1, pl. 1, figs 8, 13. — Type locality: Parnes. — Type age: Eocene (Lutetian). 1861-*DescrCoqFoss*: 230. — Type material: UCBL-EM 32128, possible holotype. — Current status: *Lepeta duclosii* (Deshayes, 1824) (Le Renard & Pacaud 1995: 86; Pacaud 2008: 41).

#### Family NACELLIDAE Thiele, 1891

*garconi*, *Patella* – Deshayes, 1863: 42, pl. 6, figs 11-12, *ex* Maillard ms. — Type locality: La Réunion. — Type age: Recent. — Current status: synonym of *Cellana livescens* (Reeve, 1855) [*Patella*] (Christaens 1986: 108, 109).

*reynaudi*, *Patella* – Deshayes, 1832b: 411-412, 440, 523, pl. 2, figs 11-12; 1836-*HistNatAnim*2: 543; 1843-*HistNatAnim*3: 200. — Type locality: Ceylon [Sri Lanka]; Bélanger. — Type age: Recent. — Type material: MNHN-IM-2000-4980, 6 syntypes. — Current status: synonym of *Cellana radiata* (Born, 1778) [*Patella*] (Wilson 1993: 35-36, pl. 1, fig. 19).

#### Family PLEUROTOMARIIDAE Swainson, 1840

*concava*, *Pleurotomaria* – Deshayes, 1832-*DescrCoqFoss*: 246-247, 18, pl. 32, figs 1-3; 1863-*DescrCoqFoss*: 919. — Type localities: Mouchy-le-Châtel & Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 33432, lectotype (P.-H. Fischer 1958) & 33433 (paralectotype) from Chaumont-en-Vexin; UCBL-EM 33429-33431 (3 paralectotypes) from Mouchy-le-Châtel. — Type species (M) of *Chelotia* Bayle, 1885. Preoccupies *Pleurotomaria concava* Hall, 1865, which was renamed *Pleurotomaria tenuimarginata* Hall, 1877, and *Pleurotomaria concava* Martin,



1860, which was renamed *Pleurotomaria burgundensis* Cossmann, 1899. — Current status: *Chelotia concava* (Deshayes, 1832) (Le Renard & Pacaud 1995: 87; Pacaud 2008: 42; Berezovsky & Pacaud 2019: 595, pl. 7, fig. 2-3).

*conoidea*, *Pleurotomaria* – Deshayes, 1831b: 181-182, 260, pl. 4, fig. 4. — Type localities: Bayeux, Meuse & England. — Type age: Jurassic (Bajocian). — Type material: UCBL-EM 32099, syntype from Bayeux. — Current status: synonym of *Pyrgotrochus elongatus* (J. Sowerby, 1818) [*Trochus*] (Kollmann 1997: 179-180, pl. 35, figs 3-4).

*listeri*, *Pleurotomaria* – Deshayes, 1850-TraitElem: 40, pl. 66, figs 1-2. — Type locality: none given. — Type age: not stated. — Current status: *taxon inquirendum*.



*sulcata*, *Pleurotomaria* – Deshayes, 1839-RegAnim: pl. 42, fig. 8. — Type locality: none given. — Type age: not stated. Listed by Sherborn (1931: 6306) as a Deshayes species, this was merely a transfer of *Trochus sulcatus* J. Sowerby, 1818, to *Pleurotomaria*. Indeed, he had already explicitly made this transfer in 1832-EncyMeth: 791. However, Sowerby's original combination was a junior homonym three times over, *non* [Lightfoot], 1786, *nec* Lamarck, 1804, *nec* Brocchi, 1814. Lamarck's species was renamed *Jujubinus helenae* Pacaud, 2017, but we are unaware of a renaming of the other two junior primary homonyms.

#### Family PORCELLIIDAE Koken, 1895

*Poscellio* – Deshayes, 1842-DictUniv2: 534. Incorrect subsequent spelling of *Porcellia* Léveillé, 1835.

#### Family PTYCHOMPHALIDAE Wenz, 1938

*callosus*, *Turbo* – Deshayes, 1831b: 189-190, 260, pl. 4, figs 5-6. — Type locality: Crompredy, England. — Type age: Middle Jurassic. — Type material: UCBL-EM 32097, syntype. — Current status: possible synonym of *Angulomphalus expansus* (J. Sowerby, 1821) [*Helicina*] (Gatto *et al.* 2015: 875), the type species of *Angulomphalus* Gründel, 2011.

#### Family CHILODONTAIDAE Wenz, 1938

*perelegans*, *Trochus* – Deshayes, 1863-DescrCoqFoss: 59, pl. 59, figs 15-17; 1864-DescrCoqFoss: 956. — Type localities: Parnes & Liancourt-Saint-Pierre. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32628, syntype from Parnes. — Current status: *Danilia perelegans* (Deshayes, 1863) (Le Renard & Pacaud 1995: 88; Pacaud 2008: 42).

*semilugubris*, *Turbo* – Deshayes, 1863: 72-73, pl. 9, figs 9-10. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-24658, lectotype; MNHN-IM-2000-24659, paralectotype. — Current status: *Vaceuchelus semilugubris* (Deshayes, 1863) (Herbert 2012: 461-464, figs 4L, 50, 51).



*elegans*, *Littorina* – Leymerie, 1841: 342, *nomen nudum*; 1842: 14, 31, pl. 17, fig. 7a-b, *ex* Deshayes ms. — Type locality: Marolles-sous-Lignières. — Type age: Cretaceous (Hauterivian). When placed in *Turbo*, secondary homonym of *Turbo elegans* J. Adams, 1797, *nec* Vallot, 1801, *nec* W. Wood, 1818, *nec* Defrance, 1827,

*nec* Costa, 1829, *nec* Münster, 1841. d'Orbigny (1850b: 69, no. 132) renamed Leymerie's species *Turbo adonis*. (He referred only to his own treatment of this species in the *Paleontologie française* and noted it as being “*non* Gressely, 1789”). *Agathodonta elegans* (Leymerie, 1842) (Kollmann 2005: 88-89). However, synonym of *Trochus dentigerus* d'Orbigny, 1842 (Pacaud 2017c: 82). Thus, the replacement name *Turbo adonis* d'Orbigny, 1850, is a synonym.

#### Family EUCYCLIDAE Koken, 1896

*crenularis*, *Turbo* – Deshayes, 1863-DescrCoqFoss: 900-901, 60, pl. 60, figs 5-7. — Type locality: Hérouval. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32642, holotype. — Current status: *Calliomphalus crenularis* (Deshayes, 1863) (Le Renard & Pacaud 1995: 87).

*duplicata*, *Littorina* – Deshayes, 1850-TraitElem: 41, pl. 68, figs 13-14. — Type locality: None given. — Type age: not stated. — Current status: Amberleyidae (Reid & Williams 2004: 83), which is now synonymized with the Eucyclidae.

*herouvallensis*, *Turbo* – Deshayes, 1863-DescrCoqFoss: 909-910, 61, pl. 61, figs 1-3. — Type locality: Hérouval. — Type age: Eocene (Ypresian). — Current status: *Pareuchelus herouvallensis* (Deshayes, 1863) (Le Renard & Pacaud 1995: 88).

*jucondus*, *Turbo* – Deshayes, 1863-DescrCoqFoss: 910-911, 59, as *Turbo jucondus*, pl. 59, figs 25-27. — Type locality: Chaussy. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32639, syntypes. — Current status: *Eucyclus jucondus* (Deshayes, 1863) (Le Renard & Pacaud 1995: 89; Pacaud 2008: 42).

*jucondus*, *Turbo* – see entry above.

*sigaretiformis*, *Turbo* – Deshayes, 1832-DescrCoqFoss: 254, 18, pl. 30, figs 14-18; 1843-HistNatAnim2: 231-232; 1843-HistNatAnim3: 583; 1863-DescrCoqFoss: 909. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Current status: *Pareuchelus sigaretiformis* (Deshayes, 1832) (Le Renard & Pacaud 1995: 88; Pacaud 2008: 43).

*trochiformis*, *Turbo* – Deshayes, 1832-DescrCoqFoss: 252-253, 18, pl. 32, figs 10-11, 22, pl. 40, figs 36-37, *non* Born, 1778, *nec* Brocchi, 1814, *nec* Dillwyn, 1817; 1843-HistNatAnim2: 229-230; 1843-HistNatAnim3: 582; 1863-DescrCoqFoss: 893, 60, pl. 60, fig. 4. — Type localities: Beynes & Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32223, syntype from Beynes; -EM 32830, syntype from Chaumont-en-Vexin. *Turbo subtrochiformis* d'Orbigny, 1850b (d'Orbigny 1850b: 349, no. 206), replacement name, as “*non* Brocchi, 1814”. *Calliomphalus raspaili* Le Renard, 1994 (Le Renard 1994: 36), additional unnecessary replacement name. — Current status: *Calliomphalus subtrochiformis* (d'Orbigny, 1850) (Pacaud 2007: 28; Pacaud 2008: 42).



*acuminatus*, *Turbo* – Leymerie, 1841: 342, *nomen nudum*; 1842: 13, 31, pl. 17, fig. 3a-b, *ex* Deshayes ms. — Type locality: Marolles-sous-Lignières. — Type age: Cretaceous (Hauterivian). — Current status: *Amberleya (Eucyclus) acuminata* (Leymerie, 1842: 85) (Kollmann 2005: 86, pl. 10, fig. 7).

*sinistrorsus*, *Trochus* – Terquem, 1855: 264, pl. 15, fig. 14, *ex* Deshayes ms. — Type locality: Hettange-Grande. — Type age: Jurassic (Hettangian). — Current status: *Platyacra sinistrorsa* (Terquem, 1855) (Monari *et al.* 2011: 378, fig. 17D-E, his material as “*aff.*”).



Family FISSURELLIDAE J. Fleming, 1822

*auversiensis*, *Emarginula* – Deshayes, 1861-*DescrCoqFoss*: 248; 1862-*DescrCoqFoss*: 27, as *Emarginula* “*caelata*”, pl. 27, figs 1-4 [given in text as pl. 22, fig. 1]; 1865-*DescrCoqFoss*: 665 [error on p. 248 corrected]. — Type locality: Auvers-sur-Oise. — Type age: Eocene (Bartonian). — Current status: *Emarginula auversiensis* Deshayes, 1861 (Le Renard & Pacaud 1995: 86).

*brevirimata*, *Emarginula* – Deshayes, 1863: 46-47, pl. 6, figs 16a, 17-18. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-4744, holotype. — Current status: *Montfortula brevirimata* (Deshayes, 1863) (Herbert 1987: 4-6, figs 9-12; McLean 2011: 417).

*caelata*, *Emarginula*; see: *auversiensis*, *Emarginula*

*clathrata*, *Emarginula* – Deshayes, 1824-*DescrCoqFoss*: 17-18, 1, pl. 1, figs 26-28; 1830b-*EncyMeth*: 111-112; 1836-*HistNatAnim2*: 588-589; 1843-*HistNatAnim3*: 217; 1861-*DescrCoqFoss*: 249. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Current status: *Emarginula clathrata* Deshayes, 1824 (Le Renard & Pacaud 1995: 86; Pacaud 2008: 41).

*costaria*, *Fissurella* – Deshayes, 1824-*DescrCoqFoss*: 20, 2, pl. 2, figs 10-12; 1824-*DictClass6*: 527; 1830b-*EncyMeth*: 135; 1833b: 232; 1835b: 134; 1836-*HistNatAnim2*: 602-603; 1843-*HistNatAnim3*: 221-222; 1850-*TraitElem*: 38, pl. 64, figs 7-9. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). This species is not present in the Eocene of Paris Basin. — Current status: synonym of the Miocene to Recent *Diodora italica* (Defrance, 1820) [*Fissurella*] (Sabelli *et al.* 1990: 124).

*costulata*, *Emarginula* – Deshayes, 1863: 47, pl. 7, figs 3-5. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-4750, lectotype; MNHN-IM-2000-4751, paralectotype. — Current status: *Emarginula costulata* Deshayes, 1863 (Herbert 1987: 11-12, figs 39-42; Herbert 2015: 21).

*curvirostris*, *Emarginula* – Deshayes, 1830b-*EncyMeth*: 111; 1835b: 134; 1836-*HistNatAnim2*: 586; 1843-*HistNatAnim3*: 216. — Type locality: Mediterranean. — Type age: Recent. — Type material: MNHN-IM-2000-4752, 3 syntypes. — Current status: synonym of *Emarginula sicula* J. E. Gray, 1825 (Sabelli *et al.* 1990: 125).

*cymbiola*, *Emarginula* – Deshayes, 1861-*DescrCoqFoss*: 249, 4, pl. 4, figs 5-8. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Entomella (Entomella) cymbiola* (Deshayes, 1861) (Le Renard & Pacaud 1995: 87). *Entomella cymbiola* (Deshayes, 1861) (Pacaud 2004: 607; Pacaud 2008: 41; Pacaud 2017c: 183-184).

*decisa*, *Fissurella* – Deshayes, 1861-*DescrCoqFoss*: 238-239, 7, pl. 7, figs 13-16. — Type localities: Auvers-sur-Oise, Le Fayel, Boucouvillers & Le Guépelle. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32390, syntype from Auvers-sur-Oise. — Current status: *Diodora decisa* (Deshayes, 1861) (Le Renard & Pacaud 1995: 86; Pacaud 2017c: 182-183).

*decorata*, *Emarginula* – Deshayes, 1863: 47-48, pl. 7, figs 6-8. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-4754, holotype. — Current status: *Emarginula decorata* Deshayes, 1863 (Manousis & Galinou-Mitsoudi 2014: 3, 10, fig. 2a, as being introduced into the eastern Mediterranean; Herbert 2015: 21, fig. 3E-G).

*defrancii*, *Rimula* – Deshayes, 1861-*DescrCoqFoss*: 244, 3, pl. 3, figs 233-236. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Current status: *Rimula defrancii* Deshayes, 1861 (Pacaud 2008: 42).

*denudata*, *Fissurella* – Deshayes, 1861-*DescrCoqFoss*: 241-242, 7, pl. 7, figs 1-4. — Type localities: Parnes & Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Current status: *Diodora denudata* (Deshayes, 1861) (Le Renard & Pacaud 1995: 86; Pacaud 2008: 42).

*distans*, *Fissurella* – Deshayes, 1861-*DescrCoqFoss*: 240, 7, pl. 7, figs 28-30. — Type localities: Cuise-la-Motte & Retheuil. — Type age: Eocene (Ypresian). — Current status: *Diodora distans* (Deshayes, 1861) (Le Renard & Pacaud 1995: 86).

*elegans*, *Fissurella* – Deshayes, 1861-*DescrCoqFoss*: 240, 7, pl. 7, figs 17-20. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Diodora elegans* (Deshayes, 1861) (Le Renard & Pacaud 1995: 86; Pacaud 2008: 42).

*elegans*, *Rimula* – Deshayes, 1861-*DescrCoqFoss*: 245, 4, pl. 4, figs 1-4. — Type localities: Chaussy & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32385, syntype from Chaussy. — Current status: *Rimula elegans* Deshayes, 1861 (Le Renard & Pacaud 1995: 86; Pacaud 2008: 42).

*fenestrata*, *Emarginula* – Deshayes, 1861-*DescrCoqFoss*: 250, 3, pl. 3, figs 37-41. — Type localities: Chaumont-en-Vexin & Lizy-sur-Ourcq. — Type age: Eocene (Lutetian-Bartonian). — Type material: UCBL-EM 30604, syntype. The specimen of Bartonian from Lizy-sur-Ourcq, UCBL-EM 30605 is not the same species. — Current status: *Clypidina (Montfortula) fenestrata* (Deshayes, 1861) (Le Renard & Pacaud 1995: 87). *Clypidina (Montfortia) fenestrata* (Deshayes, 1861) (Pacaud 2008: 41). Synonym of *Montfortia elegans* (Defrance, 1819) [*Emarginula*] (Pacaud herein).

*fenestrella*, *Emarginula* – Deshayes, 1863: 49-50, pl. 7, figs 12-15, on pl. as *Emarginula* “*fenestrata*”; *non E. fenestrella* Dubois de Montpéreux, 1831 (*Emarginula fenestrata* would be *non* Deshayes, 1861). — Type locality: La Réunion. — Type age: Recent. — Current status: *Emarginula* “*fenestrata*” Deshayes, 1863 (Herbert 1987: 12, fig. 43; Herbert 2015: 21). *Emarginula apolonia* Pacaud, 2015b, replacement name for *E. fenestrella* Deshayes.

*grata*, *Fissurella* – Deshayes, 1861-*DescrCoqFoss*: 241, 7, pl. 7, figs 5-8. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Type species (M) of *Atractotrema* Cossmann, 1888. — Current status: *Atractotrema gratum* (Deshayes, 1861) (Le Renard & Pacaud 1995: 86; Pacaud 2008: 41).

*imbrex*, *Fissurella* – Deshayes, 1861-*DescrCoqFoss*: 239, 20, pl. 20, figs 31-33. — Type localities: Mouchy-le-Châtel & Mouy. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32463, syntype from Mouchy-le-Châtel. — Current status: *Diodora imbrex* (Deshayes, 1861) (Le Renard & Pacaud 1995: 86; Pacaud 2008: 42).

*incerta*, *Fissurella* – Deshayes, 1861-*DescrCoqFoss*: 237, 7, pl. 7, figs 25-27. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32392, syntypes. — Current status: *Diodora incerta* (Deshayes, 1861) (Le Renard & Pacaud 1995: 86; Pacaud 2008: 42).

*intorta*, *Rimula* – Deshayes, 1861-*DescrCoqFoss*: 245-246, 3, pl. 3, figs 29-32. — Type localities: Thiverval-Grignon & Chaussy. — Type age: Eocene (Lutetian). *Rimula (Rimula) intorta* Deshayes, 1861 (Glibert 1962a: 11). — Current status: synonym of *Rimularia dubia* (Defrance, 1819) (Le Renard & Pacaud 1995: 86; Pacaud 2008: 41).

*magnifica*, *Fissurella* – Deshayes, 1861-*DescrCoqFoss*: 236-237, pl. 8, figs 16-18. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32395, syntypes. — Current status: *Diodora magnifica* (Deshayes, 1861) (Le Renard & Pacaud 1995: 86; Pacaud 2008: 42).



*mitis*, *Fissurella* – Deshayes, 1830b-EncyMeth: 136. — Type locality: Faluns de Touraine & Italy. — Type age: Miocene. — Current status: synonym of *Diodora multifida* (Deshayes, 1830) (Glibert 1949: 28; Landau *et al.* 2017: 82).

*multifida*, *Fissurella* – Deshayes, 1830b-EncyMeth: 136. — Type locality: Angers. — Type age: Miocene. — Current status: *Diodora multifida* (Deshayes, 1830) (Landau *et al.* 2017: 82, pl. 4, fig. 1).

*neglecta*, *Fissurella* – Deshayes, 1830b-EncyMeth: 138; 1833b: 232; 1835b: 134; 1836-HistNatAnim2: 601; 1843-HistNatAnim3: 221; Guérin-Méneville & Deshayes 1868: [45], pl. 22, fig. 5, fig. of animal only. — Type locality: Mediterranean; Mr. Dugate. — Type age: Recent. — Type material: MNHN-IM-2000-4789, 6 syntypes. — Current status: synonym of *Diodora italica* (Defrance, 1820) [*Fissurella*] (Sabelli *et al.* 1990: 124).

*ornata*, *Emarginula* – Deshayes, 1825-DictClass: pl. [77], fig. 2; 1831-DictClass17: 118. — Type locality: none given. — Type age: none given. Preoccupies *E. ornata* Millet de La Turtaudière, 1865, which was renamed *Emarginula octaviana* Coen, 1839. — Current status: *taxon inquirendum*.

*radiola*, *Fissurella* – Deshayes, 1830b-EncyMeth: 136; 1836-HistNatAnim2: 600-601; 1843-HistNatAnim3: 221. — Type locality: Malouines [Falkland Islands]; Lesson. — Type age: Recent. — Type material: MNHN-IM-2000-4796, syntype. — Current status: synonym of *Fissurella picta* (Gmelin, 1791) [*Patella*] (D. Zelaya, pers. comm., 2021).

*rudis*, *Fissurella* – Deshayes, 1830b-EncyMeth: 133, *non Fissurella rudis* (Röding, 1798) [*Patella*]; 1836-HistNatAnim2: 601-602; 1843-HistNatAnim3: 221. — Type locality: Paita, Peru; Lesson. — Type age: Recent. — Type material: MNHN-IM-2000-4801, lectotype (McLean, 1984); MNHN-IM-2000-4802, 4 paralectotypes. — Current status: synonym of *Fissurella costata* Lesson, 1831 (McLean 1984: 34, figs 95-108).

*scutellata*, *Emarginula* – Deshayes, 1863: 45-46, pl. 7, figs 1-2. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-4806, lectotype; MNHN-IM-2000-4807; MNHN-IM-2000-4808, 3 paralectotypes. *Hemitoma* (*Hemitoma*) *scutellata* (Deshayes, 1863) (Herbert 1987: 1-3, figs 1-5). — Current status: *Octomarginula scutellata* (Deshayes, 1863) (McLean 2011: 415; Herbert 2015: 26).

*spinosa*, *Emarginula* – Deshayes, 1863: 48-49, pl. 7, figs 9-11. — Type locality: La Réunion. — Type age: Recent. *Emarginula spinosa* Deshayes, 1863. — Current status: synonym of *Emarginula decorata* Deshayes, 1863 (Manousis & Galinou-Mitsoudi 2014: 3, fig. 2a).

*squamosa*, *Fissurella* – Deshayes, 1824-DescrCoqFoss: 21, 1, pl. 2, figs 1-3. 1824-DictClass6: 527; 1830b-EncyMeth: 135; 1836-HistNatAnim2: 603; 1843-HistNatAnim3: 222; 1861-DescrCoqFoss: 237. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Diodora squamosa* (Deshayes, 1824) (Le Renard & Pacaud 1995: 86; Pacaud 2008: 42; Courville *et al.* 2012: 58, fig. 2: 8, 60, pl. 2, fig. 8).

*sublamellosa*, *Fissurella* – Deshayes, 1861-DescrCoqFoss: 238, 7, pl. 7, figs 21-24. — Type localities: Cuise-la-Motte, Aizy-Jouy, Laon & Hérouval. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32391, syntypes from Cuise-la-Motte. — Current status: *Diodora sublamellosa* (Deshayes, 1861) (Le Renard & Pacaud 1995: 86).

*subrotunda*, *Fissurella* – Deshayes, 1830b-EncyMeth: 135; 1836-HistNatAnim2: 602; 1843-HistNatAnim3: 221. — Type locality: Peru. — Type age: Recent. — Type material: MNHN-IM-2000-4809, 8 syntypes. — Current status: synonym of *Fissurella peruviana* Lamarck, 1822 (McLean 1984: 21-23, figs 31-50).

*macrochisma*, *Fissurella* – Deshayes, 1830b-EncyMeth: 132-133, as a Sowerby species; 1836-HistNatAnim2: 603, *ex* Chemnitz ms. — Type locality: “New Zealand”. — Type age: Recent. 1843-HistNatAnim3: 222. Listed by Sherborn (1928: 3774) as an 1836 Deshayes species, this fissurellid had its origin as *Patella macrochisma* [Lightfoot], 1786, who cited a still-earlier figure. It is the type species (M) of *Macrochisma* J. E. Gray, 1835. Although the type species itself is a *nomen dubium*, there are several well documented species in this genus.

*scutellata*, *Emarginula* – G. B. Sowerby II, 1873: pl. 5, fig. 37, *ex* Deshayes ms. It is unclear whether this species, without a locality, was a misspelling of *Emarginula scutellata* Deshayes, 1863, from La Réunion (see above), or if it was a new species (Petit 2009: 165, 188, note 9). — Current status: *taxon inquirendum*.

#### Family HALIOTIDAE Rafinesque, 1815

*radiata*, *Haliotis* – Deshayes, 1849-DictUnivAtlas: 6, pl. 11, figs 6-7. — Type locality: none given. — Type age: Recent. — Current status: synonym of the western Australian *Haliotis scalaris emmae* Reeve, 1846 (B. Owen & D. Geiger, pers. comm., August 8, 2019; Geiger & Owen 2012: 123-124, pl. 59, without synonymy).

*revelata*, *Haliotis* – Deshayes, 1863: 70-71, pl. 9, figs 1-2. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-31613, lectotype; MNHN-IM-2000-31614, paralectotype; MNHN-IM-2000-31615, paralectotype; MNHN-IM-2000-31616, paralectotype. — Current status: synonym of *Haliotis rugosa* Lamarck, 1822 (Geiger & Poppe 2000: 81-82, pl. 18, figs 1-3; Geiger & Owen 2012: 121-122, pl. 57).

#### Family SCISSURELLIDAE J. E. Gray, 1847

*parisiensis*, *Scissurella* – Deshayes, 1864-DescrCoqFoss: 5, 65, pl. 65, figs 8-10. — Type locality: Maulette. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32659, holotype. *Scissurella deshayesi* [Munier-Chalmas, 1862] *parisiensis* Deshayes, 1864 (Le Renard & Pacaud 1995: 87). *Sukashitrochus parisiensis* (Deshayes, 1864) (Pacaud 2008: 42). — Current status: *Sinezona parisiensis* (Deshayes, 1864) (Geiger 2012: 582-584, figs 449-451).

*terquemi*, *Trochotoma* – Deshayes, 1865b: 236-237, pl. 7, fig. 1. — Type locality: Bordeaux. — Type age: Miocene. *Sukashitrochus terquemi* (Deshayes, 1865) (Lozouet *et al.*, 2001: 17, pl. 1, fig. 3, pl. 2, fig. 1a-b. — Current status: *Sinezona terquemi* (Deshayes, 1865) (Geiger 2012: 593-594, figs 463-464).

#### Family TROCHIDAE Rafinesque, 1815

*depictus*, *Trochus* – Deshayes, 1835b: 143-144, pl. 18, figs 23-25. — Type locality: Peloponnese Peninsula, Greece. — Type age: Recent. — Type material: MNHN-IM-2000-21122, 8 syntypes. — Type species (OD) of *Jujubinus* (*Pictijubinus*) F. Nordsieck, 1973: 6, 10; F. Nordsieck (1982: 41), apparently having forgotten his original description, redescribed this subgenus with the same type species. It is now regarded as a synonym of *Jujubinus Monterosato*, 1884. — Current status: synonym of *Jujubinus striatus* (Linnaeus, 1758) [*Trochus*] (Sabelli *et al.* 1990: 137).

*distans*, *Turbo* – Deshayes, 1863-DescrCoqFoss: 898, 60, pl. 60, figs 10-13. — Type localities: Chaussy & Parnes. — Type age: Eocene (Lutetian). — Current status: *Phorculus sulcatus* [Lamarck,



1804] *distans* (Deshayes, 1863) (Le Renard & Pacaud 1995: 88; Pacaud 2008: 43; Harzhauser 2021: 49).

*elatus*, *Trochus* – Deshayes, 1832-*DescrCoqFoss*: 235-236, 17 [as *T. "angustus"*], pl. 29, figs 5-8; *non* Lamarck, 1822. 1837-*DescrCoqFoss*: 813 [correction made]; 1843-*HistNatAnim2*: 169; 1843-*HistNatAnim3*: 562; 1864-*DescrCoqFoss*: 954, as *Trochus (Zizyphinus) angustus* used after all because of homonymy. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). *Trochus subelatus* d'Orbigny (1850b: 347, no. 158), unnecessary replacement name. *Jujubinus (Strigosella) lamarckii angustus* (Deshayes, 1832) (Le Renard & Pacaud 1995: 88; Pacaud 2007: 28; Pacaud 2008: 43). — Current status: *Jujubinus angustus* (Deshayes, 1832) (Harzhauser 2021: 39, 42).

*eudeli*, *Trochus (Margarita)* – Deshayes, 1863: 75-76, pl. 8, figs 9-10. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-31141, syntype. — Current status: *Ethminolia eudeli* (Deshayes, 1863) (Herbert 1992: 433, figs 117-119).

*fragilis*, *Trochus* – Deshayes, 1832-*DescrCoqFoss*: 237, 17, pl. 29, figs 11-13, "14" [fig. 14 is *T. cyclostoma*; 1837-*DescrCoqFoss*: 812, correction made], *non* Gmelin, 1791; 1864-*DescrCoqFoss*: 954, as *Trochus (Zizyphinus)*. — Type localities: Abbecourt & Noailles. — Type age: Paleocene (Thanetian). *Trochus subfragilis* d'Orbigny, 1850b (d'Orbigny 1850b: 302, no. 88), replacement name. — Current status: *Jujubinus (Strigosella) subfragilis* (d'Orbigny, 1850) (Pacaud 2007: 28).

*fraterculus*, *Turbo* – Deshayes, 1863-*DescrCoqFoss*: 897-898. — Type localities: Chaussy, Parnes, Mouchy-le-Châtel & Ully-Saint-Georges. — Type age: Eocene (Lutetian). — Type species (OD) of *Phorculus* Cossmann, 1888. — Current status: *Phorculus fraterculus* (Deshayes, 1863) (Le Renard & Pacaud 1995: 88; Pacaud 2008: 43; Harzhauser 2021: 49, figs 7N<sub>1</sub>-N<sub>2</sub>).

*incrassatus*, *Trochus* – Deshayes, 1832-*DescrCoqFoss*: 239, 17, pl. 30, figs 1-5, *non* Lamarck, 1822. — Type localities: Versailles & Montmorency. — Type age: Oligocene (Rupelian). — Type material: UCBL-EM 32219, syntype from Versailles. *Trochus subincrassatus* d'Orbigny, 1852 (d'Orbigny 1852: 7, no. 99), replacement name. — Current status: *Jujubinus subincrassatus* (d'Orbigny, 1852) (Pacaud 2017c: 184).

*lamarckii*, *Trochus* – Deshayes, 1832-*DescrCoqFoss*: 234-235, 16, pl. 27, figs 9-11; 1843-*HistNatAnim2*: 168; 1843-*HistNatAnim3*: 561-562; 1864-*DescrCoqFoss*: 954, as *Trochus (Zizyphinus)*. — Type localities: Beynes, Thiverval-Grignon & Maulette. — Type age: Eocene (Lutetian). — Current status: *Jujubinus (Strigosella) lamarckii lamarckii* (Deshayes, 1832) (Le Renard & Pacaud 1995: 88; Pacaud 2008: 43). *Jujubinus lamarckii* (Deshayes, 1832) (Harzhauser 2021: 42).

*magulus*, *Trochus* – Deshayes, 1835b: 144, pl. 18, figs 26-27. — Type locality: Peloponnese Peninsula, Greece. — Type age: Recent. — Type material: MNHN-IM-2000-31211, 3 syntypes. — Current status: synonym of *Gibbula albida* (Gmelin, 1791) [*Trochus*] (Sabelli et al. 1990: 130; Kantor & Syssoev 2005: 32).

*mirabilis*, *Trochus (Diloma)* – Deshayes, 1863-*DescrCoqFoss*: 60, as "*Turbo*", pl. 60, figs 14-18; 1864-*DescrCoqFoss*: 955-956. — Type locality: Chaussy. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32645, syntype. — Type species (OD) of *Pseudodiloma* Cossmann, 1888. — Current status: *Gibbula (Pseudodiloma) mirabilis* (Deshayes, 1863) (Le Renard & Pacaud 1995: 88; Pacaud 2008: 43). *Pseudodiloma mirabilis* (Deshayes, 1863) (Harzhauser 2021: 52, fig. 7O<sub>1</sub>-O<sub>2</sub>).

*mitis*, *Turbo* – Deshayes, 1863-*DescrCoqFoss*: 896-897; 1864-*DescrCoqFoss*: 65, pl. 65, figs 1-3. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32658, holo-

type. — Current status: *Gibbula (Amonilea) mitis* (Deshayes, 1863) (Le Renard & Pacaud 1995: 88; Pacaud 2008: 43). *Amonilea mitis* (Deshayes, 1863) (Harzhauser 2021: 17).

*nitidissima*, *Broderipia* – Deshayes, 1863: 69-70, pl. 6, figs 20, 22. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-31246, 2 syntypes. — Current status: *Broderipia nitidissima* Deshayes, 1863.

*obscurus*, *Trochus* – Deshayes, 1833b: 232, "pl. 7, figs 9-11", *nomen nudum*; 1835b: 138, pl. 24, figs 9-11, *non* W. Wood, 1828. — Type locality: Peloponnese Peninsula, Greece. — Type age: Subapennine Formation, Pliocene. — Current status: *taxon inquirendum*.

*osilin*, *Monodonta* – Deshayes, 1843-*HistNatAnim2*: 182-183; 1843-*HistNatAnim3*: 566-567, *ex* Adanson ms. — Type locality: Senegal. — Type age: Recent. — Current status: synonym of *Phorcus punctulata* (Lamarck, 1822) [*Monodonta*] (Nicklès 1950: 42, in synonymizing "l'osilin" of Adanson).

*phasianellus*, *Turbo* – Deshayes, 1863: 74-75, pl. 9, figs 13-14. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-31261, lectotype (Herbert, 1998); MNHN-IM-2000-31262, paralectotype. — Type species (M) of *Calliotrochus* P. Fischer, 1879. — Current status: Synonym of *Calliotrochus marmoreus* (Pease, 1861) [*Margarita*] (Herbert 1998: 547, 559, figs 1-35; 2015: 51), although this broad geographic synonymy may not hold up to genetic evaluation (D. Herbert, pers. comm., September 25, 2022).

*satorius*, *Trochus* – Deshayes, 1863: 72, pl. 9, figs 7-8. — Type locality: La Réunion. — Type age: Recent. — Current status: *taxon inquirendum*.

*stellatus*, *Trochus* – Deshayes, 1850-*TraitElem*: 42, pl. 68, figs 19-20, *non* Gmelin, 1791, *nec* Lamarck, 1822. — Type locality: none given. — Type age: not stated. — Current status: *taxon inquirendum*.

*striatulus*, *Turbo* – Deshayes, 1832-*DescrCoqFoss*: 253-254, 17, pl. 30, figs 10-13, *non* Linnaeus, 1758; 1843-*HistNatAnim2*: 230; 1843-*HistNatAnim3*: 582. 1863-*DescrCoqFoss*: 897. — Type locality: Le Vivray. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32220, holotype. *Trochus (Gibbula) parnensis* Bayan, 1870 (Bayan 1870: 15), replacement name. — Type species (OD) of *Moniliopsis* Cossmann, 1918, *non* Conrad, 1865 [Turridae]. *Amonilea* Cossmann, 1920, replacement name; *Moniliopsidea* Tomlin, 1930, additional unnecessary replacement name. — Current status: *Gibbula (Amonilea) parnensis* (Bayan, 1870) (Le Renard & Pacaud 1995: 88; Pacaud 2008: 43). *Amonilea parnensis* (Bayan, 1870) (Harzhauser 2021: 17).

*sulciferus*, *Turbo* – Deshayes, 1832-*DescrCoqFoss*: 255-256, 19, pl. 33, figs 1-4, 22, pl. 40, figs 38-41. — Type localities: Thiverval-Grignon & Parnes. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32224, syntype from Parnes. 1863-*DescrCoqFoss*: 898-899. — Current status: synonym of *Phorculus sulcatus* (Lamarck, 1804) (Harzhauser 2021: 49).

*turbinoides*, *Trochus* – Deshayes, 1835b: 143, pl. 18, figs 28-30. — Type locality: Peloponnese Peninsula, Greece. — Type age: Recent. — Type species (SD) Bucquoy, Dautzenberg & Dolfus, 1898) of *Glomulus* Monterosato, 1888, which is regarded as a synonym of *Gibbula* Risso, 1826. — Current status: *Gibbula turbinoides* (Deshayes, 1835) (Cossignani & Ardovini 2011: 12, 123-124; Alf & Haszprunar, in Alf et al. 2020: 73, pl. 58; Harzhauser 2021: 29).

*varians*, *Trochus* – Deshayes, 1835b: 142, pl. 18, figs 31-33, *non* Costa, 1830. — Type locality: Peloponnese Peninsula, Greece. — Type age: Recent. — Current status: synonym of *Steromphala*

*adriatica* (Philippi, 1844) [*Trochus*] (Sabelli *et al.* 1990: 131; Kantor & Sysøev 2005: 32, as *Colliculus*).



*rubra*, *Microtis* – Listed by Wilson (1993: 73) as a Deshayes species, an error for *M. rubra* (Lamarck, 1822) [*Stomatella*], now *Stomatolina rubra* (Lamarck, 1822).

#### Family ANGARIIDAE J. E. Gray, 1857

*lebrunii*, *Delphinula* – Deshayes, 1863-*DescrCoqFoss*: 61, pl. 61, figs 4-5; 1864-*DescrCoqFoss*: 931. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: synonym of *Angaria subcalcar* (d'Orbigny, 1850) [*Turbo*] (Pacaud 2007: 28; Pacaud 2017c: 188).

*regleyana*, *Delphinula* – Deshayes, 1832-*DescrCoqFoss*: 202-203, 14, pl. 23, figs 7-8; 1843-*HistNatAnim*2: 90-91; 1843-*HistNatAnim*3: 534-535; 1864-*DescrCoqFoss*: 932. — Type localities: Parnes & Gourbesville. — Type age: Eocene (Lutetian). — Current status: *Angaria regleyana* (Deshayes, 1832) (Le Renard & Pacaud 1995: 87; Pacaud 2008: 43; Tréguier & Pacaud 2018: 208).

#### Family CALLIOSTOMATIDAE Thiele, 1924 [1847]

*angustus*, *Trochus* – Deshayes, 1832-*DescrCoqFoss*: 17. See next entry.

*felix*, *Trochus* (*Zizyphinus*) – Deshayes, 1864-*DescrCoqFoss*: 952, 61, pl. 61, figs 15-17. — Type locality: Saint-Félix. — Type age: Eocene (Lutetian). — Current status: young specimen of *Calliomphalus* sp. (Pacaud herein).

*heberti*, *Trochus* (*Zizyphinus*) – Deshayes, 1864-*DescrCoqFoss*: 952-953, 59, pl. 59, fig. 7, *non* Piette, 1855. — Type locality: Mary-sur-Marne. — Type age: Eocene (Bartonian). — Type material: MNHN.F.J04156, holotype. *Trochus* (*Zizyphinus*) *maryensis* Bayan, 1870 (Bayan 1870: 13), replacement name. — Current status: *Astele novata* [Deshayes, 1864] *maryensis* (Bayan, 1870) (Le Renard & Pacaud 1995: 88).

*heres*, *Trochus* (*Zizyphinus*) – Deshayes, 1863-*DescrCoqFoss*: 59, pl. 59, figs 12-14; 1864-*DescrCoqFoss*: 951-952. — Type locality: Cresnes. — Type age: Eocene (Bartonian). — Type material: MNHN.F.J03355, holotype. — Current status: *Metaconulus heres* (Deshayes, 1863) (Le Renard & Pacaud 1995: 88; Pacaud 2017c: 186, pl. 1, figs 2-5).

*novatus*, *Trochus* (*Zizyphinus*) – Deshayes, 1863-*DescrCoqFoss*: 59, pl. 59, figs 5-6; 1864-*DescrCoqFoss*: 953. — Type localities: Mary-sur-Marne, Verneuil & Chéry-Chartreuve. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32636, syntype from Chéry-Chartreuve. *Astele novata* (Deshayes, 1863) (Le Renard & Pacaud 1995: 88).

*princeps*, *Trochus* (*Zizyphinus*) – Deshayes, 1864-*DescrCoqFoss*: 950-951, 59, pl. 59, figs 8-11, *non* Koch & Dunker, 1837. — Type locality: Chaussy. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32610, syntype. — Type species (OD) of *Metaconulus* Cossmann, 1918. *Metaconulus buchozii* Le Renard, 1994 (Le Renard 1994: 36), replacement name. *Metaconulus buchozii* Le Renard, 1994 (Le Renard & Pacaud 1995: 88; Pacaud 2008: 43). — Current status: synonym of *Metaconulus heres* (Deshayes, 1863) [*Trochus*] (Pacaud 2017c: 186).

#### Family COLONIIDAE Cossmann, 1917

*caillati*, *Turbo* – Deshayes, 1863-*DescrCoqFoss*: 902-903, 60, pl. 60, figs 15-17. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Cirsochilus caillati* (Deshayes, 1863) (Le Renard & Pacaud 1995: 89; Pacaud 2008: 44; Tréguier & Pacaud 2018: 209).

*disjuncta*, *Delphinula* – Deshayes, 1863-*DescrCoqFoss*: 62, pl. 62, figs 11-14; 1864-*DescrCoqFoss*: 937-938. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Current status: *Cirsochilus disjunctus* (Deshayes, 1863) (Le Renard & Pacaud 1995: 89).

*filifer*, *Turbo* – Deshayes, 1863: 74, pl. 8, figs 11-13. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-24186, 2 syntypes. — Current status: *Leptothyra filifer* (Deshayes, 1863) (Crame 1986: 185, 186, 187, 188, 194).

*grignonensis*, *Turbo* – Deshayes, 1863-*DescrCoqFoss*: 903-904, 60, pl. 60, figs 22-24. — Type localities: Thiverval-Grignon & La Ferme de l'Orme. — Type age: Eocene (Lutetian). — Current status: *Cirsochilus grignonensis* (Deshayes, 1863) (Le Renard & Pacaud 1995: 89; Pacaud 2008: 44).

*inermis*, *Turbo* – Deshayes, 1863-*DescrCoqFoss*: 907, 58, pl. 58, figs 35-37. — Type localities: Parnes & Chaussy. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32633, syntype from Parnes. — Type species (OD) of *Otaulax* Cossmann, 1888, but *Boutillieria* Cossmann, 1888, is given precedence over it. — Current status: *Homalopoma* (*Boutillieria*) *inermis* (Deshayes, 1863) (Le Renard & Pacaud 1995: 88; Pacaud 2008: 44).

*jucunda*, *Delphinula* – Deshayes, 1863-*DescrCoqFoss*: 62, as *Delphinula pulcherrima*, pl. 62, figs 4-7; 1864-*DescrCoqFoss*: 933; 1865-*DescrCoqFoss*: 667 [error in plate explanation noted]. — Type localities: Thiverval-Grignon & Caumont. — Type age: Eocene (Lutetian-Bartonian). — Type material: UCBL-EM 32651, syntype from Caumont. — Current status: *Cirsochilus jucundus* (Deshayes, 1863) (Le Renard & Pacaud 1995: 89). *Cirsochilus pulcherrimus* (Deshayes, 1863) (Pacaud herein).

*macrostoma*, *Delphinula* – Deshayes, 1863-*DescrCoqFoss*: 62, pl. 62, figs 24-26; 1864-*DescrCoqFoss*: 936-937. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32654, syntype. — Current status: *Cirsochilus macrostoma* (Deshayes, 1863) (Le Renard & Pacaud 1995: 89; Pacaud 2008: 44).

*minutissima*, *Delphinula* – Deshayes, 1863-*DescrCoqFoss*: 62, pl. 62, figs 30-32 [in text as figs 30-33]; 1864-*DescrCoqFoss*: 938. — Type localities: Le Guépelle, Ver-sur-Launette & Verneuil. — Type age: Eocene (Bartonian). 1865-*DescrCoqFoss*: 666 [correction noted]. — Current status: *Cyniscella minutissima* (Deshayes, 1863) (Le Renard & Pacaud 1995: 89; Pacaud 2008: 44).

*pulcherrima*, *Delphinula* – see above under: *jucunda*, *Delphinula*

*purpuratus*, *Turbo* – Deshayes, 1863: 73-74, pl. 9, figs 11-12. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-31278, syntype; MNHN-IM-2000-31279, 16 syntypes. — Current status: *Collonista purpurata* (Deshayes, 1863) (Mulochau *et al.* 2020: 4).

*semperi*, *Turbo* – Deshayes, 1863-*DescrCoqFoss*: 903, 62, pl. 62, figs 27-29. — Type locality: Mercin-et-Vaux. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32655, syntype. — Current status: *Cirsochilus semperi* (Deshayes, 1863) (Le Renard & Pacaud 1995: 89).



*separatista*, *Delphinula* – Deshayes, 1863-*DescrCoqFoss*: 62, pl. 62, figs 8-10; 1864-*DescrCoqFoss*: 937-938. — Type locality: Hérouval. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32652, syntypes. — Current status: *Cyniscella separatista* (Deshayes, 1863) (Le Renard & Pacaud 1995: 89).

*spiruloides*, *Delphinula* – Deshayes, 1832-*DescrCoqFoss*: 209, 15, pl. 26, figs 1-4; 1843-*HistNatAnim2*: 91-92; 1843-*HistNatAnim3*: 535. 1864-*DescrCoqFoss*: 944, as *Delphinula (Liotia)*. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32202, holotype. — Type material: UCBL-EM32202, syntype. — Current status: *Cyniscella spiruloides* (Deshayes, 1863) (Le Renard & Pacaud 1995: 89; Pacaud 2008: 44 who listed it twice, the second time under genus *Cirsochilus*).

*turbinata*, *Delphinula* – Deshayes, 1863-*DescrCoqFoss*: 61, as *Delphinula turbinopsis*, pl. 61, figs 9-11; 1864-*DescrCoqFoss*: 934-935; 1865-*DescrCoqFoss*: 667 [error in fig. caption noted]. — Type localities: Hérouval, Cuise-la-Motte, Rethuil, Cuisy-en-Almont, Mercin-et-Vaux, Aizy-Jouy & Laon. — Type age: Eocene (Ypresian). *Cirsochilus semperi* [Deshayes, 1863] *turbinatus* (Deshayes, 1863) (Le Renard & Pacaud 1995: 89). — Current status: *Cirsochilus turbinatus* (Deshayes, 1863) (Pacaud 2008: 44).

*turbinopsis*, *Delphinula*; see: *turbinata*, *Delphinula*

#### Family LIOTIIDAE J. E. Gray, 1850

*fimbriata*, *Delphinula (Liotia)* – Deshayes, 1863-*DescrCoqFoss*: 61, pl. 61, figs 6-8; 1864-*DescrCoqFoss*: 941-942. — Type localities: Mary-sur-Marne, Caumont & Acy-en-Multien. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 30506 and 32656, syntypes from Caumont. The material he referred to this species from Bracklesham & Selsey, England, is something else. *Liotina (Liotina) fimbriata* (Deshayes, 1863) (Le Renard & Pacaud 1995: 87). — Current status: *Liotina fimbriata* (Deshayes, 1863) (Pacaud & Ledon 2016: 428).



*plicatilis*, *Littorina* – Leymerie, 1841: 320, *nomen nudum*; 1842: 14, 31, pl. 17, fig. 8a-b, *ex* Deshayes ms. — Type locality: Eryle-Châtel. — Type age: Cretaceous (Albian). — Current status: *Senomanella? plicatilis* (Leymerie, 1842) (Kollmann 2005: 89-90).

#### Family METRIOMPHALIDAE Gründel, Keupp & Lang, 2017

*muricoides*, *Littorina* – Deshayes, 1843-*HistNatAnim2*: 211; 1843-*HistNatAnim3*: 575. — Type locality: “Vaches Noires” (Normandie, France), Malton & Steeple-Ashton (England). — Type age: Coral Rag, Jurassic (Oxfordian). Replacement name for *Turbo muricatus* J. Sowerby, 1819 (Sowerby 1819: 70, pl. 240, fig. 4), *non* Linnaeus, 1758. — Current status: both are synonyms of *Metriomphalus muricatulus* [*Turbo*] (Cox & Arkell 1950: 60).

#### Family PHASIANELLIDAE Swainson, 1840

*dissimilis*, *Phasianella* – Deshayes, 1863-*DescrCoqFoss*: 913; 1864-*DescrCoqFoss*: 64, pl. 64, figs 4-6. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Tricolia (Tricolia) dissimilis* (Deshayes, 1863) (Le Renard & Pacaud 1995: 89; Pacaud 2008: 44).

*dunkeri*, *Phasianella* – Deshayes, 1863-*DescrCoqFoss*: 914; 1864-*DescrCoqFoss*: 64, pl. 64, figs 13-15. — Type localities: Mercin-et-Vaux, Sermoise, Pierrefond, Hérouval & Lavarsine. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32446, syntypes from Hérouval. — Current status: *Tricolia (Phasianochilus) dunkeri* (Deshayes, 1863) (Le Renard & Pacaud 1995: 89).

*lamarckiana*, *Phasianella* – Deshayes, 1863-*DescrCoqFoss*: 913-914; 1864-*DescrCoqFoss*: 64, pl. 64, figs 1-3. — Type localities: Auvers-sur-Oise, Valmondois, Serans, Verneuil, Ver-sur-Launette & Le Guépelle. — Type age: Eocene (Bartonian). — Current status: *Tricolia (Tricolia) lamarckiana* (Deshayes, 1863) (Le Renard & Pacaud 1995: 89).

*naticoides*, *Phasianella* – Deshayes, 1863-*DescrCoqFoss*: 915-916; 1864-*DescrCoqFoss*: 64, pl. 64, figs 22-24. — Type localities: Parnes & Chaussy. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32657, syntype. — Current status: *Gabrielona naticoides* (Deshayes, 1863) (Le Renard & Pacaud 1995: 89; Pacaud 2008: 44).

*picta*, *Phasianella* – Deshayes, 1863-*DescrCoqFoss*: 915; 1864-*DescrCoqFoss*: 64, pl. 64, figs 16-18, *non* Blainville, 1825. — Type locality: Cresnes. — Type age: Eocene (Bartonian). — Type material: MNHN.F.J04174, syntypes. — Current status: *Tricolia pullus* [Linnaeus, 1758] *ruellensis* Gougerot, 1975 (Gougerot 1975: 3), replacement name. — Current status: *Tricolia (Tricolietta) pullus* [Linnaeus, 1758] *ruellensis* Gougerot, 1975 (Le Renard & Pacaud 1995: 89).

*suessoniensis*, *Phasianella* – Deshayes, 1863-*DescrCoqFoss*: 917; 1864-*DescrCoqFoss*: 64, pl. 64, figs 10-12. — Type locality: Aizy-Jouy. — Type age: Eocene (Ypresian). Replacement name for *Phasianella elegans* (Watelet 1853: 23-24, pl. 2, figs 1-2) [*Littorina*], “*non* Morris, 1850”, but actually *non* Lamarck, 1822. — Type species (M) of *Aizyella* Cossmann, 1889. — Current status: *Tricolia (Aizyella) suessoniensis* (Deshayes, 1863) (Le Renard & Pacaud 1995: 89).

*tenuistriata*, *Phasianella* – Deshayes, 1863-*DescrCoqFoss*: 916-917; 1864-*DescrCoqFoss*: 64, pl. 64, figs 19-21. — Type locality: Hérouval. — Type age: Eocene (Ypresian). — Current status: *Tricolia (Phasianochilus) tenuistriata* (Deshayes, 1863) (Le Renard & Pacaud 1995: 89).

#### Family SKENEIDAE W. Clark, 1851

*callifera*, *Delphinula* – Deshayes, 1832-*DescrCoqFoss*: 210-211, 15, pl. 25, figs 16-18; 1843-*HistNatAnim2*: 92; 1843-*HistNatAnim3*: 535; 1864-*DescrCoqFoss*: 938-939. — Type localities: Betz, Tancrou & Mouchy-le-Châtel. — Type age: Eocene (Lutetian-Bartonian). — Current status: *Leucorhynchia callifera* (Deshayes, 1832) (Le Renard & Pacaud 1995: 89; Pacaud 2008: 44).

*micans*, *Turbo* – Deshayes, 1863-*DescrCoqFoss*: 908, 58, pl. 58, figs 17-19. — Type localities: Thiverval-Grignon, Chaussy & Mouy. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32631, syntype. — Current status: *Norrisella micans* (Deshayes, 1863) (Le Renard & Pacaud 1995: 88; Pacaud 2008: 44).

*mundus*, *Turbo* – Deshayes, 1863-*DescrCoqFoss*: 907-908, 58, pl. 58, figs 20-22. — Type locality: Chaussy. — Type age: Eocene (Lutetian). — Current status: *Norrisella munda* (Deshayes, 1863) (Le Renard & Pacaud 1995: 88; Pacaud 2008: 44).

*pygmaeus*, *Turbo* – Deshayes, 1832-*DescrCoqFoss*: 256, 19, pl. 33, figs 16-18. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32225, syntype. 1863-*DescrCoqFoss*: 904. — Type species (OD) of *Norrisella* Cossmann,

1888. — Current status: *Norrisella pygmaea* (Deshayes, 1864) (Le Renard & Pacaud 1995: 88; Pacaud 2008: 44).

*umbilicaris*, *Teinostoma* – Deshayes, 1864-*DescrCoqFoss*: 926-927, pl. 63, figs 27-29. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Current status: *Leucodiscus umbilicaris* (Deshayes, 1864) (Le Renard & Pacaud 1995: 87; Pacaud 2008: 44).

#### Family SOLARIELLIDAE Powell, 1951

*biangulata*, *Delphinula* – Deshayes, 1832-*DescrCoqFoss*: 206, 15, pl. 25, figs 9-11; 1864-*DescrCoqFoss*: 940-941. — Type locality: Senlis. — Type age: Eocene (Bartonian). *Vermicularia* (*Vermicularia*) *biangulata* (Deshayes, 1832) (Le Renard & Pacaud 1995: 105). — Current status: pathological specimen of *Solariella turbinoides* (Lamarck, 1804) (Pacaud herein).

*bimarginatus*, *Turbo* – Deshayes, 1863-*DescrCoqFoss*: 895, 58, pl. 58, figs 32-34. — Type locality: Chambors. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32632, syntype. — Current status: *Solariella* (*Solariella*) *bimarginata* (Deshayes, 1863) (Le Renard & Pacaud 1995: 88; Pacaud 2008: 43).

*craticulatus*, *Turbo* – Deshayes, 1863-*DescrCoqFoss*: 894, 58, pl. 58, figs 23-25. — Type locality: Hérouval. — Type age: Eocene (Lutetian). *Solariella* (*Solariella*) *cheloti* Le Renard, 1994 (Le Renard 1994: 36) (Le Renard & Pacaud 1995: 88), renamed on the grounds that the species was preoccupied by *T. craticulatus* Renier, 1804, but that is an unavailable work (ICZN Opinion 316, 1954c). — Current status: *Solariella* (*Solariella*) *craticulata* (Deshayes, 1863).

*discretum*, *Solarium* (*Philippia*) – Deshayes, 1863-*DescrCoqFoss*: 677-678, 42, pl. 42, figs 12-15. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). *Solariella* (*Periaulax*) *discreta* (Deshayes, 1863) (Le Renard & Pacaud 1995: 88). Listed by Bieler & Petit (2005: 35). — Current status: *Solariella discreta* (Deshayes, 1863) (Pacaud 2008: 43).

*gratum*, *Solarium* (*Philippia*) – Deshayes, 1863-*DescrCoqFoss*: 676, 42, pl. 42, figs 9-11. — Type locality: Hérouval. — Type age: Eocene (Ypresian). Listed by Bieler & Petit (2005: 40). — Current status: *Solariella* (*Periaulax*) *grata* (Deshayes, 1863) (Le Renard & Pacaud 1995: 88).

*simplex*, *Delphinula* – Deshayes, 1863-*DescrCoqFoss*: 62, pl. 62, figs 18-20; 1864-*DescrCoqFoss*: 939-940. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Solariella* (*Solariella*) *simplex* (Deshayes, 1863) (Le Renard & Pacaud 1995: 88; Pacaud 2008: 43).

*solarioides*, *Delphinula* – Deshayes, 1863-*DescrCoqFoss*: 62, pl. 62, figs 21-23; 1864-*DescrCoqFoss*: 939. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Solariella* (*Microgaza*) *solarioides* (Deshayes, 1863) (Le Renard & Pacaud 1995: 88; Pacaud 2008: 43).

*tricinctus*, *Turbo* – Deshayes, 1863-*DescrCoqFoss*: 893, 58, pl. 58, figs 14-16. — Type localities: Thiverval-Grignon, Valmondois, Le Fayel, Verneuil, Montagny-en-Vexin & Le Guépelle. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32630, possible syntype. — Current status: *Solariella* (*Solariella*) *turbinoides* [Lamarck, 1804] *tricincta* (Deshayes, 1863) (Le Renard & Pacaud 1995: 88).

*trochiforme*, *Solarium* – Deshayes, 1832-*DescrCoqFoss*: 217-218, 15, pl. 26, figs 8-10; 1843-*HistNatAnim2*: 113; 1843-*HistNatAnim3*: 542; 1863-*DescrCoqFoss*: 676, as *Solarium* (*Philippia*). — Type locality: Tancrou. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32203, syntypes. Listed by Bieler & Petit (2005: 71, as Trochidae). — Current status: *Solariella* (*Periaulax*) *trochiformis*

(Deshayes, 1832) (Le Renard & Pacaud 1995: 88; Marquet *et al.* 2016: 8, pl. 1, fig. 3).

*trochiformis*, *Delphinula* – see the following. Not to be confused with the entry above.

*trochulus*, *Delphinula* – Deshayes, 1863-*DescrCoqFoss*: 62, as *Delphinula trochiformis*, pl. 62, figs 1-3; 1864-*DescrCoqFoss*: 940; 1865-*DescrCoqFoss*: 667 [error in fig. caption noted]. — Type material: UCBL-EM 32650, syntype. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Solariella* (*Solariella*) *trochulus* (Deshayes, 1863) (Le Renard & Pacaud 1995: 88; Pacaud 2008: 43, who listed it separately under both species names).

#### Family TEGULIDAE Kuroda, Habe & Oyama, 1971

*funiculosus*, *Trochus* – Deshayes, 1832-*DescrCoqFoss*: 234, 16, pl. 27, figs 4-5; 1843-*HistNatAnim2*: 167-168; 1843-*HistNatAnim3*: 561; 1864-*DescrCoqFoss*: 948, as *Trochus* (*Tectus*). — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32212, syntype from Parnes. — Current status: *Tectus* (*Tectus*) *funiculosus* (Deshayes, 1832) (Le Renard & Pacaud 1995: 88; Pacaud 2008: 43).

*margaritaceus*, *Trochus* – Deshayes, 1832-*DescrCoqFoss*: 232-233, 16, pl. 28, figs 7-9; 1843-*HistNatAnim2*: 166-167; 1843-*HistNatAnim3*: 561; 1864-*DescrCoqFoss*: 947-948, as *Trochus* (*Tectus*). — Type localities: La Chapelle-en-Serval, Valmondois & Tancrou. — Type age: Eocene (Bartonian). — Current status: *Tectus* (*Tectus*) *margaritaceus* (Deshayes, 1832) (Le Renard & Pacaud 1995: 88).

*mitratus*, *Trochus* – Deshayes, 1832-*DescrCoqFoss*: 233-234, 16, pl. 27, figs 6-8, 12-1; 1843-*HistNatAnim2*: 167; 1843-*HistNatAnim3*: 561; 1864-*DescrCoqFoss*: 948, as *Trochus* (*Tectus*) 4. — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32213, syntype from Parnes. — Current status: *Tectus* (*Tectus*) *mitratus* (Deshayes, 1832) (Le Renard & Pacaud 1995: 88; Pacaud 2008: 43; Pacaud & Ledon 2010: 355-356, pl. 1, figs 2-3, pl. 2, figs 1-4, pl. 3, figs 2-3, showing residual colour patterns).

*subcanaliculatus*, *Trochus* (*Tectus*) – Deshayes, 1863-*DescrCoqFoss*: 59, pl. 59, figs 1-2; 1864-*DescrCoqFoss*: 947. — Type locality: Caumont. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32634, syntypes. — Current status: *Tectus* (*Tectus*) *subcanaliculatus* (Deshayes, 1863) (Le Renard & Pacaud 1995: 88).

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*striatulus*, *Trochus* – Leymerie, 1841: 342, *nomen nudum*; 1842: 13, 31, pl. 17, fig. 1a-b, *ex* Deshayes ms. — Type locality: Marolles-sous-Lignièrès. — Type age: Cretaceous (Hauterivian). — Type material: MNHN.F.B74371, neotype (Kollmann 2005). — Current status: *Tectus striatulus* (Leymerie, 1842: 48) (Kollmann 2005: 69-70, pl. 9, fig. 1). Preoccupies *Trochus striatulus* Kiener, 1850, and *Trochus striatulus* Garrett, 1857. Kiener's species is regarded as a synonym of *Tegula brunnea* (Philippi, 1849) [*Trochus*], and Garrett's species is considered a synonym of *Calliotrochus marmoreus* (Pease, 1861) [*Margarita*].

#### Family TURBINIDAE Rafinesque, 1815

*Buccina* – Deshayes, 1830a-*EncyMeth*: 143. Not used by Deshayes as a valid name, used by older authors to designate all turbinate shells.



*annulatus*, *Turbo* – Deshayes, 1863-*DescrCoqFoss*: 906, 58, pl. 58, figs 11-13, *non* Linnaeus, 1758. — Type locality: Chaussy. — Type age: Eocene (Lutetian). *Trochus bernayi* Bayan, 1870 (Bayan 1870: 16-17), replacement name. — Current status: *Homalopoma* (*Boutillieria*) *bernayi* (Bayan, 1870) (Le Renard & Pacaud 1995: 88; Pacaud 2008: 44).

*baudoni*, *Turbo* – Deshayes, 1863-*DescrCoqFoss*: 905-906, 59, as *Turbo crassus*, pl. 59, figs 22-24; 1865-*DescrCoqFoss*: 667 [error in fig. caption noted]. — Type localities: Saint-Félix & Chambors. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32638, syntype from Chambors. Replacement name for *Turbo crassa* (Baudon, 1853: 326, pl. 9, fig. 2) [originally *Delphinula*], but Deshayes only indicated that there were earlier uses of this specific name without mentioning which he had in mind – there are two earlier *Turbo crassus* – Jacob, in G. Adams, 1798, and W. Wood, 1828: 20. The substitute name not having gained currency, the original name remains in use (ICZN Code Art. 59.3). — Current status: *Vexinia crassa* (Baudon, 1853) (Le Renard & Pacaud 1995: 88; Pacaud 2008: 44; Tréguier & Pacaud 2018: 209).

*coccineus*, *Turbo* – Deshayes, 1835b: 145, pl. 19, figs 6-8, *non* Megerle von Mühlfeld, 1816. — Type locality: Peloponnese Peninsula, Greece. — Type age: Recent. — Current status: *taxon inquirendum*.

*costarius*, *Turbo* – Deshayes, 1831b: 188-189, 262, pl. 14, figs 3-4. — Type locality: Saint-Mihiel. — Type age: Jurassic (Bajocian). — Type material: UCBL-EM 32098, syntype. — Current status: *taxon inquirendum*.

*cyclostoma*, *Trochus* – Deshayes, 1832-*DescrCoqFoss*: 237-238, 17, pl. 29, figs 9-10, 14. — Type locality: Longjumeaux. — Type age: Oligocene (Rupelian). — Current status: synonym of *Jujubinus subcarinatus* (Lamarck, 1804) (Pacaud herein).

*deslongchampsii*, *Turbo* – Deshayes, 1850-*TraitElem*: 42, pl. 68, figs 17-18. — Type locality: Bayeux. — Type age: Jurassic (Bajocian). — Type material: UCBL-EM 32109, syntype. — Current status: synonym of *Monodonta labadyei* (d'Archiac, 1843) [*Trochus*] (Morris & Lycett 1851: 68-69).

*digitatus*, *Turbo* – Deshayes, 1839d: 361; 1841: 2, pl. 36. — Type locality: Acapulco, Mexico; Mr. Chiron. — Type age: Recent. — Current status: synonym of *Astraea* (*Uvanilla*) *unguis* (W. Wood, 1828) (Keen 1971: 356-357, fig. 157; Alf & Kreipl 2003: 47).

*eugenii*, *Turbo* – Deshayes, 1863-*DescrCoqFoss*: 905, 60, pl. 60, figs 28-30. — Type localities: Chambors & Hautteville-Bocage. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32646, syntype from Chambors. — Type species (OD) of *Boutillieria* Cossman, 1888. — Current status: *Homalopoma* (*Boutillieria*) *eugenii* (Deshayes, 1863) (Le Renard & Pacaud 1995: 88; Pacaud 2008: 44; Tréguier & Pacaud 2018: 209).

*lajonkairii*, *Delphinula* – Deshayes, 1839c: 260; 1839e: 1-2, pl. 6. — Type locality: “New Zealand”. — Type age: Recent. — Type material: MNHN-IM-2000-31191, holotype. — Current status: The Indo-Pacific *Turbo lajonkairii* (Deshayes, 1839) (Wilson 1993: 106, pl. 12, fig. 11).

*oblongus*, *Turbo* – Deshayes, 1863-*DescrCoqFoss*: 904-905, 58, pl. 58, figs 26-28. — Type locality: Le Fayel. — Type age: Eocene (Bartonian). — Current status: *nomen dubium* (Pacaud herein).

*pulchellus*, *Turbo* – Deshayes, 1863-*DescrCoqFoss*: 901, 58, pl. 58, figs 8-10, *non* C. B. Adams, 1858, *nec* Piette, 1855. — Type localities: Chaussy, Montmirail, Parnes & Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: synonym of *Cirsochilus caillati* (Deshayes, 1863) (Pacaud herein).

*regenfusii*, *Turbo* – Deshayes, 1843-*HistNatAnim2*: 222; 1843-*HistNatAnim3*: 579. — Type locality: Indian Ocean. — Type age: Recent. — Type material: MNHN-IM-2000-31285, syntype. — Current status: either a synonym of *Turbo imperialis* Gmelin, 1791, or of *Turbo* (*Lunatica*) *marmoratus* Linnaeus, 1758 (Alf & Kreipl 2003: 17, 18).

*rigaulti*, *Turbo* – Deshayes, 1863-*DescrCoqFoss*: 899-900, 60, pl. 60, figs 1-3. — Type locality: Caumont. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32641, holotype. — Current status: synonym of *Calliomphalus subtrochiformis* (d'Orbigny, 1850) (Pacaud herein).

*solarioides*, *Turbo* – Deshayes, 1863-*DescrCoqFoss*: 896, 58, pl. 58, figs 29-31. — Type localities: Parnes & Chaussy. — Type age: Eocene (Lutetian). — Current status: *Solariella* (*Microgaza*) *solarioides* (Deshayes, 1863) (Le Renard & Pacaud 1995: 88; Pacaud 2008: 43).

*triangulatus*, *Turbo* – Deshayes, 1863-*DescrCoqFoss*: 894-895, 60, pl. 60, figs 19-21. — Type localities: Etréchy & Jeurre. — Type age: Oligocene (Rupelian). — Current status: juvenile specimen.

*uniangularis*, *Trochus* – Deshayes, 1832-*DescrCoqFoss*: 238-239, 17 [both sets of figs as “*T. subcarinatus* Lamarck”], pl. 29, figs 19-22, pl. 30, figs 6-8; 1837-*DescrCoqFoss*: 812, as synonym of *T. subcarinatus* Lamarck, 1804. Text also listed fig. 9, but that is something else. 1864-*DescrCoqFoss*: 955, localities corrected. — Type localities: Versailles, Longjumeaux, Jeures & Etrchy. — Type age: Oligocene (Rupelian). — Current status: *Jujubinus subcarinatus* (Lamarck, 1804) (Lozouet & Maestrati 2012a: 270, figs 174.1-10).



*decussata*, *Littorina* – Leymerie, 1841: 320, *nomen nudum*; 1842: 13, 31, pl. 17, fig. 6a-b, *ex* Deshayes ms. — Type locality: Courtaout. — Type age: Cretaceous (Albian). — Current status: *Homalopoma* ? *decussata* (Leymerie, 1842) (Kollmann 2005: 90-91; Colleté et al., 2010: 73).

*dentata*, *Delphinula* – Leymerie, 1841: 320, *nomen nudum*; 1842: 13, 31, pl. 16, fig. 14a-c, *ex* Deshayes ms. — Type locality: Ervy-le-Châtel. — Type age: Cretaceous (Albian). — Type species (OD) of *Nummogaultina* Kollmann, 2005 (Kollmann 2005: 80). — Current status: *Nummogaultina dentata* (Leymerie, 1842) (Kollmann 2005: 80-81, pl. 9, fig. 19a-c; Colleté et al., 2010: 73).

*plicatilis*, *Turbo* – Leymerie, 1841: 320, *nomen nudum*; 1842: 13, 31, pl. 17, fig. 5a-b, *ex* Deshayes ms. — Type locality: Ervy-le-Châtel. — Type age: Cretaceous (Albian). Preoccupies *Turbo plicatilis* Münster, in Goldfuss, 1844. — Current status: *Cenomanella* ? *plicatilis* (Leymerie, 1842) (Kollmann 2005: 89; Colleté et al. 2010: 73).

#### Family NERITIDAE Rafinesque, 1815

*Cliton* – Deshayes, 1830a-*EncyMeth*: 246. Incorrect subsequent spelling of *Clithon* Montfort, 1810.

*Tomostoma* – Deshayes, 1824b: 187. — Type species (SD Fischer, 1885): *Pileolus neritoides* Deshayes, 1824. In erecting this genus, Deshayes noted that he originally proposed *Pileolus* at a meeting, but then learned that G. B. Sowerby I, 1823, had established *Pileolus* J. Sowerby, 1823 (SD J. E. Gray, 1847), for *P. plicatus* G. B. Sowerby I, 1823, and other species, which Deshayes regarded belonging in this group. *Tomostoma* was thus proposed in synonymy. However, the ICZN Code Art. 11.6.1 provides that a name established in synonymy can become available if it was used as valid before 1961, as was this one. Symonds & Pacaud (2010: 55-56) discussed the history of these two genus-group names and determined that they

are not confamilial – *Pileolus* J. Sowerby, 1823, belongs in the Pileolidae. — Current status: *Tomostoma* is a valid genus in the Neritidae. *Tomostoma* G. B. Sowerby I, 1824, is a subsequent incorrect spelling (Petit 2009: 196-197, note 48).

*angistoma*, *Nerita* – Deshayes, 1825-*DescrCoqFoss*: 12, pl. 29, figs 11-12; 1832: 159; 1832-*EncyMeth*: 622; 1838-*HistNatAnim2*: 618-619; 1843-*HistNatAnim3*: 490; 1857-*TraitElem*: x, pl. 73 ter, figs 6-7, 10; 1864-*DescrCoqFoss*: 13, 66, pl. 66, figs 4-6; 1865-*DescrCoqFoss*: 666 [should have been *Nerita angistoma*, but this change would not be allowed]. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32173, holotype. — Current status: *Ostostoma angistoma* (Deshayes, 1825) (Le Renard & Pacaud 1995: 89). *Nerita angistoma* Deshayes, 1825 (Pacaud 2009a: 351).

*auversiensis*, *Nerita* – Deshayes, 1864-*DescrCoqFoss*: 15-16, 66, pl. 66, figs 12-14. — Type localities: Auvers-sur-Oise, Valmondois, Le Fayel & Yvors. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32667, syntype from Le Fayel. — Current status: *Puperita (Heminerita) auversiensis* (Deshayes, 1864) (Le Renard & Pacaud 1995: 90).

*bicoronata*, *Nerita* – Deshayes, 1864-*DescrCoqFoss*: 13-14, 66, pl. 66, figs 10-11. — Type localities: Noailles & Aizy-Jouy. — Type age: Paleocene-Eocene (Thanetian-Ypresian). — Type material: UCBL-EM 32666, lectotype from Noailles (Pacaud 2009a). *Ostostoma bicoronata* (Deshayes, 1864) (Le Renard & Pacaud 1995: 89). — Current status: synonym of *Ostostoma pouechi* d'Archiac, 1859 (Pacaud 2009a: 353).

*brimonti*, *Nerita* – Deshayes, 1864-*DescrCoqFoss*: 14-15, 66, pl. 66, figs 15-17. — Type locality: Brimont. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32668, holotype. *Nerita (Amphinerita) brimonti* Deshayes, 1864 (Le Renard & Pacaud 1995: 89). — Current status: *Monsneritina brimonti* (Deshayes, 1864) (Pacaud herein).

*callosa*, *Neritina* – Deshayes, 1835b: 156, pl. 19, figs 16-18; 1838-*HistNatAnim2*: 591; 1843-*HistNatAnim3*: 480. — Type locality: Peloponnese Peninsula, Greece. — Type age: Recent. *Theodoxus (Neritaea) varius callosus* (Deshayes, 1835) (Bank 2006: 52). — Current status: *Theodoxus (Theodoxus) callosus* (Deshayes, 1835) (Eichhorst 2016: 905, 976, pl. 272, as “1833”).

*consobrina*, *Neritina* – Deshayes, 1832-*DescrCoqFoss*: 153, pl. 20, figs 5-6, ex Férussac ms. — Type localities: Épernay & Cumière. — Type age: Eocene (Ypresian). Incorrect subsequent spelling of *Nerita sobrina* Férussac, 1823. *Clithon (Vittoclithon) sobrinus* (Férussac, 1823) (Pacaud 2017c: 194-195). *Clithon (Pictoneritina) sobrinus* (Férussac, 1823) (Vrinat 2019: 51, pl. 10, figs 1-6, pl. 11, figs 1-6). — Current status: *Clithon sobrinum* (Férussac, 1823) (Pacaud herein).

*costulata*, *Nerita* – Deshayes, 1838-*HistNatAnim2*: 617; 1843-*HistNatAnim3*: 489-490. Replacement name for *Nerita costata* J. de C. Sowerby, 1824 (J. de C. Sowerby 1824: 94, pl. 463, figs 5-6), “non Chemnitz”, actually *non* Gmelin, 1791, *nec* Brocchi, 1814, *nec* Schumacher, 1817. — Type species (OD) of *Cautochilus* Gründel, 2004. — Type locality: Great Britain. — Type age: Jurassic. Preoccupies *Nerita costulata* von dem Busch, 1844. *Lissochilus costulatus* (Deshayes, 1838) (J.-C. Fischer & Weber 1997: 89, pl. 18, figs 14-15). — Current status: *Cautochilus costulatus* (Deshayes, 1838) (Gründel 2004: 33).

*crassula*, *Nerita* – Deshayes, 1858: 553, *nomen nudum*.

*duchasteli*, *Neritina* – Deshayes, 1825-*DescrCoqFoss*: 11, pl. 17, figs 23-24; 1832: 154-155; 1838-*HistNatAnim2*: 595; 1843-*HistNatAnim3*: 482. 1864-*DescrCoqFoss*: 24-25. — Type locality: Versailles. — Type age: Oligocene (Rupelian). — Current status:

*Vitta duchasteli* (Deshayes, 1825) (Lozouet & Maestrati 2012a: 270, 273, fig. 175: 1-9).

*dutemplei*, *Neritina* – Deshayes, 1864-*DescrCoqFoss*: 21, 66, pl. 66, figs 21-24. — Type localities: Ay & Sinceny. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32670-32671, syntypes from Ay. *Theodoxus* (? *Vittoclithon*) *dutemplei* (Deshayes, 1864) (Le Renard & Pacaud 1995: 90). — Current status: *Neritodryas dutemplei* (Deshayes, 1864) (Symonds & Pacaud 2010: 61-62, fig. 7; Vrinat 2019: 54, pl. 15, figs 1-5).

*elegans*, *Neritina* – Deshayes, 1825-*DescrCoqFoss*: pl. 19, figs 3-4; 1832: 154; 1838-*HistNatAnim2*: 595-596; 1843-*HistNatAnim3*: 482; 1864-*DescrCoqFoss*: 24. — Type locality: Houdan. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32169, syntype. *Theodoxus (Vittoclithon) sublineolatus* [d'Orbigny, 1850] *elegans* (Deshayes, 1825) (Le Renard & Pacaud 1995: 90). *Clithon (Vittoclithon) elegans* (Deshayes, 1825) (Pacaud 2008: 45). *Clithon (Pictoneritina) elegans* (Deshayes, 1832) (Vrinat 2019: 48, pl. 2, fig. 1). — Current status: *Clithon elegans* (Deshayes, 1825) (Pacaud herein).

*fulgurata*, *Neritina* – Deshayes, 1863: 80-81, pl. 10, figs 1-2. — Type locality: La Réunion. — Type age: Recent. — Current status: synonym of *Vittina gagates* (Lamarck, 1822) [*Neritina*] (Eichhorst 2016: 1088-1089, 1124, pl. 334).

*graciosa*, *Nerita*; see: *gratiosa*, *Nerita* below.

*granulosa*, *Nerita* – Deshayes, 1825-*DescrCoqFoss*: 12, pl. 29, figs 13-14; 1832: 159-160; 1838-*HistNatAnim2*: 618; 1843-*HistNatAnim3*: 490; 1864-*DescrCoqFoss*: 16-17. — Type localities: Valmondois & Senlis. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32166, syntype from Valmondois. *Nerita (Theliostyla) granulosa* (Deshayes, 1825) (Le Renard & Pacaud 1995: 89). — Current status: *Nerita (Theliostyla) granulosa* (Deshayes, 1825) (Le Renard & Pacaud 1995: 89). — Current status: *Monsneritina granulosa* (Deshayes, 1832) (Pacaud herein).

*gratiosa*, *Neritina* – Deshayes, 1864-*DescrCoqFoss*: 19-20, 66, pl. 66, figs 27-29. In the body of the text on p. 19, the species was misspelled as *N. “graciosa”*. — Type localities: Brimont, Châlons-sur-Vesle, Gueux & Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32673, syntype from Jonchery-sur-Vesle. — Current status: synonym of *Neritoplica subornata* (d'Orbigny, 1850) [*Nerita*], replacement name for *Neritina ornata* Melleville, 1843 (Melleville 1843: 96-97 [50-51, 85], pl. 6, figs 9-10), *non Nerita ornata* G. B. Sowerby II, 1823 (Pacaud 2007: 30; Vrinat 2019: 55, pl. 2, fig. 5).

*intermedia*, *Nerita* – Deshayes, 1832b: 420-421, 439, 522, pl. 1, figs 6-7, non Grateloup, 1828. *Nerita pileolus* Récluz, 1850, replacement name, but as “*non Neritina intermedia* G. B. Sowerby I, 1833”, a non-homonym. — Type locality: Malabar, India; Bélanger. — Type age: Recent. — Type material: MNHN-IM-2000-32729, 4 syntypes. — Current status: synonym of *Neripteron pileolus* (Récluz, 1850) [*Neritina*] (Eichhorst 2016: 373, 411, pl. 90).

*jaspidea*, *Neritina* – Deshayes, 1864-*DescrCoqFoss*: 20, 65, pl. 65, figs 14-16. — Type localities: Brimont, Châlons-sur-Vesle & Gueux. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 33439-33457, 19 syntypes from Châlons-sur-Vesle. — Current status: synonym of *Neritoplica vicina* (Melleville, 1843) (Glibert 1962a: 103).

*lamarckii*, *Neritina* – Deshayes, 1838-*HistNatAnim2*: 578; 1843-*HistNatAnim3*: 475-476. — Type locality: none given. — Type age: Recent. — Type material: MNHN-IM-2000-32731, 6 syntypes. — Current status: synonym of the Indo-Pacific *Neripteron taitense* (Lesson, 1831) [*Nerita*] (Eichhorst 2016: 388-389, 421, pl. 100).



*lineolata*, *Neritina* – Deshayes, 1825-DescrCoqFoss: 12, pl. 19, figs 7-8; 1832: 152-153, *non* Lamarck, 1816; 1838-HistNatAnim2: 596; 1843-HistNatAnim3: 482. 1858: 553. 1864-DescrCoqFoss: 23-24. — Type locality: Houdan. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32171, syntypes. Synonym of *Clithon inequidentata* (Récluz, 1850: 154) [April] [*Neritina*], replacement name. *Nerita sublineolata* d'Orbigny, 1850b (d'Orbigny 1850b: 346, no. 145) [November], unnecessary additional replacement name (Pacaud 2007: 30). — Current status: *Clithon (Pictoneritina) inequidentata* (Récluz, 1850) (Vrinat 2019: 48, pl. 2, figs 2-3). *Clithon inequidentatum* (Récluz, 1850) (Pacaud herein).

*modicella*, *Neritina* – Deshayes, 1863: 79-80, pl. 10, figs 3-4. — Type locality: La Réunion. — Type age: Recent. — Current status: synonym of *Vittina natalensis* (Reeve, 1855) [*Nerita*] (Eichhorst 2016: 1091-1092, 1126, pl. 336).

*neritoides*, *Pileola* [sic] – Deshayes, 1824b: 191-192, 461, as *Pileolus*, pl. 13, fig. 5a-c; 1825-DescrCoqFoss: 11, pl. 17, figs 17-18; 1832: 146-147; 1828-DictClass13: 568; Deshayes in Guérin-Ménéville 1835: pl. 15, fig. 5, 5a; 1839-RegAnim: pl. 48 bis, fig. 1, 1a-c; Deshayes in Guérin-Ménéville 1844: 30; 1864-DescrCoqFoss: 26; Guérin-Ménéville & Deshayes 1868: [29], pl. 14, fig. 5, 5a, 5b. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Type species (SD Fischer, 1885) of *Tomostoma* Deshayes, 1824 (see under genus above). *Pileolus (Tomostoma) altavillensis* [Defrance, 1818; *Crepidula*] *neritoides* (Deshayes, 1824) (Le Renard & Pacaud 1995: 90, as “1825”). — Current status: *Pileolus (Tomostoma) neritoides* (Deshayes, 1824) (Pacaud 2008: 45, as “1825”). *Tomostoma altavillensis neritoides* (Deshayes, 1824) (Symonds & Pacaud 2010).

*nucleus*, *Neritina* – Deshayes, 1832-DescrCoqFoss: 156-157, 15, pl. 25, figs 3-5; 1838-HistNatAnim2: 596-597; 1843-HistNatAnim3: 482-483; 1864-DescrCoqFoss: 23. — Type localities: Retheuil & Cuise-la-Motte. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32198, syntypes from Cuise-la-Motte. — Current status: *Theodoxus (Vittoclithon) nucleus* (Deshayes, 1832) (Le Renard & Pacaud 1995: 90). *Clithon (Pictoneritina) nucleus* (Deshayes, “1825”) (Symonds & Pacaud 2010: 60). *Clithon (Pictoneritina) nucleus* (Deshayes, 1832) (Vrinat 2019: 48-49, pl. 4, figs 1-6, pl. 5, figs 1-6). *Clithon nucleus* (Deshayes, 1832) (Pacaud herein).

*passyana*, *Neritina* – Deshayes, 1864-DescrCoqFoss: 24, 65, pl. 65, figs 11-13 [in text as figs 2-13]; 1865-DescrCoqFoss: 666 [correction noted]. — Type localities: Montagny-en-Vexin, Le Fayel & Auvers-sur-Oise. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32660, syntypes from Montagny-en-Vexin. *Theodoxus (Vittoclithon) passyanus* (Deshayes, 1864) (Le Renard & Pacaud 1995: 90). *Theodoxus (Pictoneritina) passyanus* (Deshayes, 1864) (Symonds, 2002: 3-6, pl. 1, figs 6-8, pl. 2, figs 9-14). — Current status: *Clithon (Pictoneritina) passyanus* (Deshayes, 1864) (Symonds & Pacaud 2010: 65; Vrinat 2019: 50). *Clithon passyanum* (Deshayes, 1864) (Pacaud herein).

*pentastoma*, *Nerita* – Deshayes, 1864-DescrCoqFoss: 17-18, 66, pl. 66, figs 7-9. — Type localities: Mouchy-le-Châtel & Thiverval-Grignon. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32665, syntypes from Thiverval-Grignon. *Nerita (Theliostyla) tricarinata* [Lamarck, 1804] *pentastoma* Deshayes, 1864 (Le Renard & Pacaud 1995: 89). *Pseudodostia tricarinata pentastoma* (Deshayes, 1864) (Pacaud 2008: 45). — Current status: *Monsneritina tricarinata pentastoma* (Deshayes, 1864) (Pacaud herein).

*pyrenaica*, *Nerita* – Deshayes, 1857-TraitElem: xi, pl. 73 ter, fig. 17, *non Nerita fluviatilis pyrenaica* Moquin-Tandon, 1855. — Type locality: Gensac. — Type age: Cretaceous (Maastrichtian). — Type material: UCBL-EM 32117, syntype. — Current status: synonym of *Otosoma retzii* (Nilsson, 1827) [*Natica*] (Pacaud herein).

*saincenyensis*, *Neritina* – Deshayes, 1864-DescrCoqFoss: 21-22, 66, pl. 66, figs 25-26. — Type locality: Sinceny. — Type age: Eocene

(Ypresian). — Type material: UCBL-EM 32672, syntypes. *Theodoxus saincenyensis* (Deshayes, 1864) (Le Renard & Pacaud 1995: 90). *Clithon (Pictoneritina) saincenyensis* (Deshayes, 1832) (Vrinat 2019: 50-51, pl. 9, figs 1-6, pl. 15, fig. 6). — Current status: *Clithon saincenyense* (Deshayes, 1864) (Pacaud herein).

*sandwichensis*, *Neritina* – Deshayes, 1838-HistNatAnim2: 579. — Type locality: Hawaiian Islands. — Type age: Recent. 1843-HistNatAnim3: 476. — Type material: MNHN-IM-2000-32762, 3 syntypes. — Current status: synonym of the endemic *Neripteron (Dostia) cariosum* (W. Wood, 1828) [*Nerita*] (Pease 1871: 101; Kay 1979: 66, as *Theodoxus*; Eichhorst 2016: 356-358, 411, pl. 90).

*semilugubris*, *Nerita* – Deshayes, 1864-DescrCoqFoss: 15, 66, pl. 66, figs 18-20. — Type localities: Brimont, Châlons-sur-Vesle & Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32669, syntypes. *Nerita (Amphinerita) semilugubris* Deshayes, 1864 (Le Renard & Pacaud 1995: 89; Leroy et al. 2014: 23, pl. 16, figs 5-8). — Current status: *Monsneritina semilugubris* (Deshayes, 1864) (Pacaud herein).

*zonaria*, *Neritina* – Deshayes, 1832-DescrCoqFoss: 156, 15, pl. 25, figs 1-2; 1838-HistNatAnim2: 597; 1843-HistNatAnim3: 483; 1864-DescrCoqFoss: 23. — Type localities: Retheuil & Cuise-la-Motte. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32197, syntype from Cuise-la-Motte. — Current status: *Clithon (Vittoclithon) zonarius* (Deshayes, 1832) (Le Renard & Pacaud 1995: 90). *Clithon (Pictoneritina) zonarius* (Deshayes, 1832) (Vrinat 2019: 53-54, pl. 13, figs 1-6, pl. 14, figs 1-3). — Current status: *Clithon zonarium* (Deshayes, 1832) (Pacaud herein).

*danubialis*, *Neritina* – Deshayes, 1838a: 65, pl. 5, figs 4-5. Sherborn (1925: 1784) listed this as a Deshayes species. However, it was made available by C. Pfeiffer (1828) and is now known as *Theodoxus danubialis* (C. Pfeiffer, 1828).

#### Family PILEOLIDAE Bandel, Gründel & Maxwell, 2000

*Pileola* – Deshayes, 1824b: 191-192. Incorrect subsequent spelling of *Pileolus* G. B. Sowerby I, 1823.

#### Family NERITOPSIDAE J. E. Gray, 1847

*altavillensis*, *Neritopsis* – Deshayes, 1857-TraitElem: ix, pl. 73 bis, figs 1-3. — Type locality: Hautteville-Bocage. — Type age: Eocene (Lutetian), middle Eocene. — Current status: *nomen oblitum* in favor of *Neritopsis parisiensis* Deshayes, 1864 (ICZN Code Art. 12.2.7) (Pacaud 2012: 52).

*parisiensis*, *Neritopsis* – Deshayes, 1864-DescrCoqFoss: 8-9, 66, pl. 66, figs 1-3. — Type localities: Caumont & Mary-sur-Marne. — Type age: Eocene (Bartonian). — Type material: MNHN.F.A26479, neotype. — Current status: *Neritopsis parisiensis* Deshayes, 1864 (Le Renard & Pacaud 1995: 89; Pacaud 2008: 45; Tréguier & Pacaud 2018: 208). Pacaud (2012: 52) regarded this species as a *nomen protectum* in preference to the *nomen oblitum* *Neritopsis altavillensis* Deshayes, 1857 (ICZN Code Art. 12.2.7).

#### Family PSEUDOMELANIIDAE R. Hoernes, 1884

*bimarginata*, *Melania (Chemnitzia)* – Deshayes, 1862-DescrCoqFoss: 460, 30, pl. 30, figs 28-30. — Type localities: Cuise-la-Motte &

Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: synonym of *Bayania minutissima* (Deshayes, 1862) (Pacaud herein).

*delibata*, *Melania* (*Chemnitzia*) – Deshayes, 1862-DescrCoqFoss: 456, replacement name for *Melania laevigata* Deshayes, 1825, non Lamarck, 1822. *Bayania hordacea* [Lamarck, 1804] *delibata* (Deshayes, 1862) (Le Renard & Pacaud 1995: 103). — Current status: synonym of *Bayania subhordeacea* (d'Orbigny, 1850) (Pacaud 2007: 30).

*dolosa*, *Melania* (*Chemnitzia*) – Deshayes, 1862-DescrCoqFoss: 455, 30, pl. 30, figs 4-6. — Type locality: Damery. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32500, syntype. — Current status: synonym of *Bayania lactea* (Bruguière, 1789) (Pacaud herein).

*fibula*, *Melania* (*Chemnitzia*) – Deshayes, 1862-DescrCoqFoss: 465, 31, pl. 31, figs 5-7. — Type localities: Cuise-la-Motte, Pierrefonds & Hérouval. — Type age: Eocene (Ypresian). — Type material: MNHN.F.J04172, syntype. *Bayania fibula* (Deshayes, 1862) (Le Renard & Pacaud 1995: 103).

*frumentum*, *Melania* (*Chemnitzia*) – Deshayes, 1862-DescrCoqFoss: 456-457, 30, pl. 30, figs 10-12. — Type localities: Auvers-sur-Oise, Acy-en-Multien, Jaignes, Le Guépelle, La Ferté-sous-Jouarre, Montagny-en-Vexin, La Chapelle-en-Vexin, Les Craquelots, Ermenonville, Ver-sur-Launette & Beauval. — Type age: Eocene (Bartonian). *Bayania hordacea* [Lamarck, 1804] *frumentum* (Deshayes, 1862) (Le Renard & Pacaud 1995: 103). — Current status: synonym of *Bayania subhordeacea* (d'Orbigny, 1850) (Pacaud 2007: 30).

*herouvallensis*, *Melania* (*Chemnitzia*) – Deshayes, 1862-DescrCoqFoss: 457, 30, pl. 30, figs 13-15. — Type locality: Hérouval. — Type age: Eocene (Ypresian). — Current status: *Bayania herouvallensis* (Deshayes, 1862) (Le Renard & Pacaud 1995: 103).

*laevigata*, *Melania* – Deshayes, 1825-DescrCoqFoss: 110, 7, pl. 13, figs 18-19, non Lamarck, 1822; 1832-EncyMeth: 429. — Type locality: Damery. — Type age: Eocene (Lutetian). Both species preoccupy *Melania laevigata* I. Lea, 1841, which is now treated as a synonym of *Elimia taitiana* (I. Lea, 1841) [*Melania*], in the Pleuroceridae]. — Current status: synonym of *Bayania subhordeacea* (d'Orbigny, 1850) (Pacaud herein).

*minutissima*, *Melania* (*Chemnitzia*) – Deshayes, 1862-DescrCoqFoss: 459-460, 30, pl. 30, figs 25-27. — Type localities: Thiverval-Grignon, Boursault & Montmirail. — Type age: Eocene (Lutetian). — Current status: *Bayania minutissima* (Deshayes, 1862) (Le Renard & Pacaud 1995: 103; Pacaud 2008: 45).

*mixta*, *Melania* (*Chemnitzia*) – Deshayes, 1862-DescrCoqFoss: 463-464, 30, pl. 30, figs 43-45. — Type locality: Chambors. — Type age: Eocene (Lutetian). — Current status: synonym of *Bayania lactea* (Bruguière, 1789) [*Bulimus*] (Pacaud herein).

*sejuncta*, *Melania* (*Chemnitzia*) – Deshayes, 1862-DescrCoqFoss: 457-458, pl. 31, figs 8-10. — Type locality: Houdan. — Type age: Eocene (Lutetian). — Current status: *Bayania sejuncta* (Deshayes, 1862) (Le Renard & Pacaud 1995: 103; Pacaud 2008: 45, as “1861”).

*semicostellata*, *Melania* (*Chemnitzia*) – Deshayes, 1862-DescrCoqFoss: 463, 30, pl. 30, figs 40-42. — Type locality: Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Current status: *Bayania semicostellata* (Deshayes, 1862) (Le Renard & Pacaud 1995: 103).

*striatula*, *Paludina* – Deshayes, 1825-DescrCoqFoss: 133, 8, pl. 15, figs 15-16; 1862-DescrCoqFoss: 506, as *Bithinia*. — Type locality: Soissons. — Type age: Eocene (Ypresian). — Current status: synonym of *Bayania hordacea* (Lamarck, 1804) [*Melania*] (Cossmann 1888: 290).

*substriata*, *Melania* (*Chemnitzia*) – Deshayes, 1862-DescrCoqFoss: 460-461, 30, pl. 30, figs 31-33. — Type localities: Le Fayel, Montagny-en-Vexin, Ézanville, Nantheuil-le-Haudouin, Verneuil, Chesneau & Montjavoult. — Type age: Eocene (Bartonian). — Current status: *Bayania hordacea* [Lamarck, 1804] *substriata* (Deshayes, 1862) (Le Renard & Pacaud 1995: 103).

*sulcatina*, *Melania* (*Chemnitzia*) – Deshayes, 1862-DescrCoqFoss: 462, 30, pl. 30, figs 37-39. — Type localities: Thiverval-Grignon & Saint-Félix. — Type age: Eocene (Lutetian). — Current status: *Bayania sulcatina* (Deshayes, 1862) (Le Renard & Pacaud 1995: 103; Pacaud 2008: 45).

*sulpiciana*, *Melania* (*Chemnitzia*) – Deshayes, 1862-DescrCoqFoss: 455-456, 30, pl. 30, figs 7-9. — Type localities: Saint-Sulpice, Rozières & Montagny-en-Vexin. — Type age: Eocene (Bartonian). — Current status: *Bayania sulpiciana* (Deshayes, 1862) (Le Renard & Pacaud 1995: 103).

*turbinoides*, *Melania* (*Chemnitzia*) – Deshayes, 1862-DescrCoqFoss: 458, 30, pl. 30, figs 16-18. — Type locality: Neuilly-en-Vexin (Oise). — Type age: Oligocene (Rupelian). — Type material: UCBL-EM 32501, syntype. — Current status: *Bayania turbinoides* (Deshayes, 1862) (Lozouet *et al.* 2012: 414-415, fig. 181: 13-15, their material as “cf.”).

*varians*, *Melania* (*Chemnitzia*) – Deshayes, 1862-DescrCoqFoss: 464, 31, pl. 31, figs 1-4, non I. Lea, 1861. — Type localities: Hérouval, Chambors, Parnes & Saint-Félix. — Type age: Eocene (Lutetian). Synonym of *Melania raincourti* Morelet, 1885 (Cossmann 1888: 291). — Current status: *Bayania raincourti* (Morelet, 1885) (Le Renard & Pacaud 1995: 103).

*ventricosa*, *Melania* – see *ventriculosa*, *Melania* below.

*ventriculosa*, *Melania* (*Chemnitzia*) – Deshayes, 1862-DescrCoqFoss: 458-459, 30, pl. 30, figs 19-21, as *M. ventricosa*. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Bayania ventriculosa* (Deshayes, 1862) (Le Renard & Pacaud 1995: 103).

*vetusta*, *Melania* (*Chemnitzia*) – Deshayes, 1862-DescrCoqFoss: 461, 30, pl. 30, figs 34-36, non Conrad, 1833. — Type localities: Abbecourt, Noailles, Châlons-sur-Vesle, Gueux & Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Current status: *Bayania corneti* Le Renard, 1994 (Le Renard 1994: 37), replacement name (Le Renard & Pacaud 1995: 105; Pacaud 2007: 30).

*Bourgetia* Terquem & Jourdy, 1869: 51, 53, ex Deshayes ms. — Type species (M): *Melania striata* J. de C. Sowerby, 1814. Incorrectly listed in some references as “Deshayes in Terquem & Jourdy, 1869”. Valid genus.

*triticea*, *Melania* – Deshayes, 1825-DescrCoqFoss: 107-108, 6, pl. 14, figs 7-8, ex Férussac ms; 1832-EncyMeth: 428. 1862-DescrCoqFoss: 453. — Type locality: Les Rosières. — Type age: Eocene (Ypresian). This species name was a *nomen nudum*, also as “ex Férussac ms” in Defrance (1823b: 471). *Bayania triticea* (Deshayes, 1825) (Le Renard & Pacaud 1995: 103, as “Férussac, in Deshayes”). However, this name was first made available in *Melania triticea* Cuvier & Brongniart, 1822 (Cuvier & Brongniart 1822: 26), with a minimal description [Très-voisine du *Mel[ania] hordacea*, mais lisse] from Epernay, without mention of Férussac, but as ex Defrance ms. Thus, *Bayania triticea* (Cuvier & Brongniart, 1822, ex Defrance ms).



Family AMPULLARIIDAE J. E. Gray, 1824

*angulata*, *Ampullaria* – Deshayes, 1850-TraitElem: 45, pl. 72, fig. 23, non J. C. Jay, 1836, nec Dunker, 1845. — Type locality: none given. — Type age: Recent. — Type material not located. — Current status: probable synonym of *Pomacea (Pomacea) scalaris* (d'Orbigny, 1835) [*Ampullaria*] (Cowie & Thiengo 2003: 56-57).

*bruguieri*, *Ampullaria* – Deshayes, 1830a-EncyMeth: 32. — Type locality: none given. — Type age: Recent. — Type material: MNHN-IM-2000-23074, lectotype; MNHN-IM-2000-4450, 2 paralectotypes. — Current status: an African species of *Pila* (Cowie & Thiengo 2003: 80; Cowie & Héros 2012: 797, 799, fig. 1F).

*castanea*, *Ampullaria* – Deshayes, 1830a-EncyMeth: 31. — Type locality: none given [northern South America]. — Type age: Recent. Guérin-Ménéville & Deshayes 1868: [25], pl. 12, fig. 5. Central America. — Type material: MNHN-IM-2000-4710, lectotype. — Current status: synonym of *Pomacea (Effusa) glauca* (Linnaeus, 1758) [*Helix*] (Cowie & Thiengo 2003: 52; Cowie & Héros 2012: 798-799, fig. 1H).

*gevesensis*, *Ampullaria* – Deshayes, 1838-HistNatAnim2: 541; 1843-HistNatAnim3: 462. — Type locality: none given. — Type age: Recent. — Type material: MNHN-IM-2000-4473, syntype. — Current status: synonym of the northern South American *Pomacea (Effusa) glauca* (Linnaeus, 1758) [*Helix*] (Cowie & Thiengo 2003: 53-54; Cowie & Héros 2012: 804, fig. 3D).

*obtusata*, *Ampullaria* – Deshayes, 1850-TraitElem: 45, pl. 72, fig. 24. — Type locality: none given. — Type age: Recent. — Type material not located. — Current status: *taxon inquirendum* (Cowie & Thiengo 2003: 79).

*olivieri*, *Ampullaria* – Deshayes, 1830a-EncyMeth: 31; 1838-HistNatAnim2: 548; 1843-HistNatAnim3: 463. — Type locality: Cayenne; Mr. Marmin. — Type age: Recent. — Type material: lost. — Current status: synonym of *Asolene crassa* (Swainson, 1823) [*Ampullaria*] (Cowie & Thiengo 2003: 48).

*oviformis*, *Ampullaria* – Deshayes, 1830a-EncyMeth: 34; 1838-HistNatAnim2: 549; 1843-HistNatAnim3: 465. — Type locality: Cayenne; Mr. Marmin. — Type age: Recent. — Type material: MNHN-IM-2000-4512, syntype; MNHN-IM-2000-5285, syntype. — Current status: type material representing two different species of *Pomacea (Pomacea)*, needing further study (Cowie & Thiengo 2003: 71; Cowie & Héros 2012: 811-812, fig. 5F).

*polita*, *Ampullaria* – Deshayes, 1830a-EncyMeth: 31-32; 1838-HistNatAnim2: 544; 1843-HistNatAnim3: 463. — Type locality: none given. — Type age: Recent. Replacement name for *Ampullaria virescens* Deshayes, 1824, non *Ampullaria vires* Lamarck, 1822, which are not really homonyms. — Current status: *Pila virescens* (Deshayes, 1824) from southeast Asia (Cowie & Héros 2012: 813).

*sphaerica*, *Ampullaria* – Deshayes, 1830a-EncyMeth: 30. — Type locality: none given. — Type age: Recent. — Type material: not found. — Current status: synonym of *Pila globosa* (Swainson, 1822) [*Ampullaria*] (Cowie 2015: 33, 48-49).

*virescens*, *Ampullaria* – Deshayes, 1824-DictClass: pl. [87], fig. 2; 1831-DictClass17: 122. — Type locality: none given. — Type age: Recent. — Type material: MNHN-IM-2000-24513, holotype. “Manila, Philippine Islands” in catalogue. Not preoccupied by *Ampullaria vires* Lamarck, 1822. — Current status: *Pila virescens* (Deshayes, 1824) (Cowie & Héros 2012: 815, fig. 7D, 818-819). See also above under *polita*, *Ampullaria*, an unnecessary replacement.

Family CYCLOPHORIDAE J. E. Gray, 1847

*Strophostoma* – Deshayes, 1828a: 285-287. — Type species (SD Peyrot, 1932): *Strophostoma laevigata* Deshayes, 1828. Type genus of Strophostomatidae Wenz, 1915, but Ferussinidae Wenz, 1923, has been conserved under ICZN Code Art. 40.2, with the precedence of 1915 (Bouchet et al. 2017: 107, 234), now as a subfamily of Cyclophoridae. — Current status: synonym of *Ferussina* Grateloup, 1827.

*dutemplei*, *Cyclostoma* – Deshayes, 1863-DescrCoqFoss: 880-881, 57, pl. 57, figs 17-19. — Type locality: Rilly-la-Montagne. — Type age: Paleocene (Thanetian). — Current status: *Palaeocyclophorus dutemplei* (Deshayes, 1863) (Le Renard & Pacaud 1995: 97).

*indicum*, *Cyclostoma* – Deshayes, 1832b: 415-416, 439, 522, pl. 1, figs 4-5; 1838-HistNatAnim2: 363; 1843-HistNatAnim3: 399. — Type locality: Elephant Island, near Bombay, India; Bélanger. — Type age: Recent. — Type material: MNHN-IM-2000-5510, lectotype; MNHN-IM-2000-5511, 2 paralectotypes. — Current status: *Cyclophorus indicum* (Deshayes, 1832) (Raheem et al. 2014: 24-25, fig. 7D-F).

*laevigata*, *Strophostoma* – Deshayes, 1828a: 286, pl. 11, figs A1-4. — Type locality: Bouxwiller, Alsace. — Type age: Miocene, freshwater. — Current status: synonym of *Ferussina anostomaeformis* Grateloup, 1827 (Wenz 1923: 1840; Peyrot 1932: 455, pl. 18, figs 1-3; Páll-Gergely & Neubauer 2020: 30, fig. 2A-D).

*striata*, *Strophostoma* – Deshayes, 1828a: 287, pl. 11, figs B1-4. — Type locality: Dax. — Type age: Miocene, freshwater. — Current status: *Ferussina striata* (Deshayes, 1828) (Wenz 1923: 1845; Páll-Gergely & Neubauer 2020: 30).

Family MEGALOMASTOMATIDAE Blanford, 1864

*insuetum*, *Cyclostoma* – Deshayes, 1863-DescrCoqFoss: 885-886, 57, pl. 57, figs 28-30. — Type localities: Jonchery-sur-Vesle & Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). — Current status: *Craspedopoma insuetum* (Deshayes, 1863) (Le Renard & Pacaud 1995: 97; Leroy et al. 2014: 23, pl. 17, fig. 1).

*matheroni*, *Cyclostoma* – Deshayes, 1863-DescrCoqFoss: 884-885, 57, pl. 57, figs 20-22. — Type locality: Rilly-la-Montagne. — Type age: Paleocene (Thanetian). — Current status: *Craspedopoma matheroni* (Deshayes, 1863) (Le Renard & Pacaud 1995: 97).

*parvulum*, *Cyclostoma* – Deshayes, 1863-DescrCoqFoss: 884, 57, pl. 57, figs 31-33. — Type locality: Gueux. — Type age: Paleocene (Thanetian). — Current status: *Cochlostoma* “?” *parvulum* (Deshayes, 1863) (Le Renard & Pacaud 1995: 97).

Family PUPINIDAE L. Pfeiffer, 1853

*mirus*, *Bulimus* – Deshayes, 1863-DescrCoqFoss: 833, 54, pl. 54, figs 31-34. — Type locality: Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32619, holotype. — Current status: synonym of *Ischurostoma arnoudii* (Michaud, 1837) [*Cyclostoma*] (Wenz 1923: 1743).

Family VIVIPARIDAE J. E. Gray, 1847

*Viquesnelia* – Deshayes, 1857c: 287-289. — Type species (M): *Viquesnelia lenticularis* Deshayes, 1857. Balkans; Tertiary (Miocene). *Vequesnella* Paetel, 1889, unjustified emendation; *Viquesnelia* Paetel, 1889, misspelling. — Current status: *nomen dubium* (Gude 1912).

*achatinoides*, *Paludina* – Deshayes, 1838a: 64–65, [ii], pl. 5, figs 6–7. — Type locality: Crimean Peninsula, fossil. — Current status: *Viviparus achatinoides* (Deshayes, 1838) (Yakovlev *et al.* 2019: 131).

*chalangensis*, *Paludina* – Deshayes in Deshayes & Jullien, 1876: 139–141, 160, pl. 6, figs 13–14 [figs cited in text: 15–16]. — Type locality: Cambodia. — Type age: Recent. — Current status: synonym of *Filopaludina martensi* (Frauenfeld, 1865) [*Paludina*] (Brandt 1974: 28).

*clathrata*, *Paludina* – Deshayes, 1833b: 232, “pl. 1, figs 3–4”, *nomen nudum*; 1835b: 148–149, pl. 25, figs 3–4; 1838–HistNatAnim2: 522; 1843–HistNatAnim3: 456. — Type locality: Rhodes. Subapennine Formation, Pliocene. — Current status: *Viviparus clathratus* (Deshayes, 1835) (Willmann 1981: 111–113, pl. 4, figs 1,4).

*crassa*, *Ampullaria* – Deshayes, 1830a–EncyMeth: 32, *ex Paludina crassa* Say. — Type locality: Ohio [River]. — Type age: Recent. Deshayes probably got this name on specimens sent by Say, because Say had not published it. Not Ampullariidae (Cowie & Thiengo 2003: 81). — Current status: possible synonym of *Paludina ponderosa* Say, 1821 (E. Strong, pers. comm., 2021).

*desnoyerii*, *Paludina* – Deshayes, 1825–DescrCoqFoss: 127, 8, pl. 15, figs 7–8 [plate mistakenly listed as 16 in text]; 1831b: 163–164, 260, pl. 5, figs 1–2; 1832–EncyMeth: 694; 1837–DescrCoqFoss: 812 [correction made]; 1838–HistNatAnim2: 523; 1843–HistNatAnim3: 456; 1862–DescrCoqFoss: 484–485 – Type locality: Mont-Bernon (Epermay). — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32153, syntypes. — Current status: *Viviparus desnoyerii* (Deshayes, 1825) (Le Renard & Pacaud 1995: 98; Pacaud 2008: 45).

*distinguenda*, *Paludina* – Deshayes, 1862–DescrCoqFoss: 486–487, 32, pl. 32, figs 27–29. — Type locality: Mareuil-en-Dôle. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32516, syntypes. — Current status: *Viviparus distinguendus* (Deshayes, 1862) (Le Renard & Pacaud 1995: 98; Pacaud 2008: 45).

*frauenfeldi*, *Paludina* – Deshayes in Deshayes & Jullien, 1876: 134–135, 161, pl. 7, figs 23–24, *non* Morelet, 1875. — Type locality: Mekong River, Cambodia, in sand. — Type age: Recent. — Type material: MNHN-IM-2000-4472, 3 syntypes. — Current status: *Mekongia rattei* (Crosse & P. Fischer, 1876b), replacement name [*Paludina*] (Brandt 1974: 44; Breure *et al.* 2022a: 188).

*inaspecta*, *Paludina* – Deshayes, 1862–DescrCoqFoss: 486, 32, pl. 32, figs 28–29. — Type locality: Le Fayel. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32513, syntype. — Current status: *Viviparus inaspectus* (Deshayes, 1862) (Le Renard & Pacaud 1995: 98; Pacaud 2008: 45).

*intermedia*, *Paludina* – Deshayes, 1862–DescrCoqFoss: 482, 32, pl. 32, figs 10–12, *non* Melleville, 1843. — Type locality: Oulchyle-Château. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32512, holotype. *Viviparus frauenfeldi* Le Renard, 1994 (Le Renard 1994: 36), replacement name (Le Renard & Pacaud 1995: 98). — Current status: an older replacement name, *Viviparus oulchyensis* Wenz, 1919 (Wenz 1919: 76), is available for this taxon (Wenz 1928: 2357; Kadolsky 2021: 125).

*jullieni*, *Paludina* – Deshayes in Deshayes & Jullien, 1876: 132–133, 161, pl. 8, figs 5–7. — Type locality: presumably Ca-Lgniou Island, Cambodia, in sand. — Type age: Recent. — Type species (M) of *Mekongia* Crosse & P. Fischer, 1876b. — Current status: *Mekongia jullieni* (Deshayes, 1876) (Sri-aroon *et al.* 2012; Zhang & von Rintelen 2021: 3, 12, figs 2L, 3L, 6L; Breure *et al.* 2022a: 49).

*lamarckii*, *Paludina* – Deshayes in Deshayes & Jullien, 1876: 135–136, 161, pl. 7, figs 25–26. — Type locality: Ca-Lgniou Island, Cambodia. — Type age: Recent. — Type material: MNHN-IM-2000-4617, syntype. — Current status: *Mekongia lamarckii* (Deshayes, 1876) (Brandt 1974: 45).

*lenticularis*, *Viquesnelia* – Deshayes, 1857c: 289, pl. 7, figs 14–17. — Type locality: Balouk-Keni, “Roumélie”, 8–9 km from Feredjik [Turkey]. — Type age: Miocene. — Current status: *nomen dubium*.

*macrostoma*, *Paludina* – Deshayes, 1825–DescrCoqFoss: 131–132, 8, pl. 15, figs 23–24; 1832–EncyMeth: 695; 1838–HistNatAnim2: 525; 1843–HistNatAnim3: 457; 1862–DescrCoqFoss: 506–507, as *Bitthinia*. — Type locality: Parnes & Thiverval-Grignon. — Type age: Eocene (Lutetian). Preoccupies *Paludina macrostoma* Küster, 1853, which has evidently not been renamed. — Current status: *nomen dubium* (Pacaud herein).

*matheroni*, *Paludina* – Deshayes, 1862–DescrCoqFoss: 487, 32, pl. 32, figs 7–9. — Type localities: Cuis & Nantheuil-sur-Marne. — Type age: Eocene (Bartonian). — Current status: *Viviparus matheroni* (Deshayes, 1862) (Le Renard & Pacaud 1995: 98; Pacaud 2008: 45).

*melanoides*, *Paludina* – Deshayes, 1833b: 232, “pl. 1, figs 12–14”, *nomen nudum*; 1835b: 149, pl. 24, figs 12–14; 1838–HistNatAnim2: 525–526; 1843–HistNatAnim3: 457. — Type locality: Peloponnese Peninsula, Greece. — Type age: Subapennine Formation, Pliocene. — Current status: *Hydrobia melanoides* (Deshayes, 1835) (Wenz 1926: 1914).

*moreleti*, *Paludina* – Deshayes in Deshayes & Jullien, 1876: 137–138, 161, pl. 7, figs 28–29. — Type locality: Pnum-Perh, Cambodia, sandbanks. — Type age: Recent. — Current status: synonym of *Mekongia sphaericula* (Deshayes, 1876) (Brandt 1974: 45).

*novigentiensis*, *Paludina* – Deshayes, 1862–DescrCoqFoss: 488, 32, pl. 32, figs 22–26 [in text as figs 20–22]. — Type localities: Saint-Parres-lès-Vaudes & Villenauxe-la-Grande. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32514–32515, syntypes from Saint-Parres-lès-Vaudes. 1865–DescrCoqFoss: 666 [corrections made in two places]. — Current status: *Viviparus novigentiensis* (Deshayes, 1862) (Le Renard & Pacaud 1995: 98; Pacaud 2008: 45).

*obliquata*, *Paludina* – Deshayes, 1862–DescrCoqFoss: 485–486, pl. 32, figs 15–17. — Type locality: Damery. — Type age: Eocene (Lutetian). — Current status: *Viviparus obliquatus* (Deshayes, 1862) (Le Renard & Pacaud 1995: 98; Pacaud 2008: 45).

*obscurata*, *Paludina* – Deshayes in Deshayes & Jullien, 1876: 141–142, 160, pl. 6, figs 15–16 [figs cited in text: 13–14]. — Type locality: Arroyo de Peam-Chelang, Cambodia. — Type age: Recent. — Current status: *taxon inquirendum*.

*orbignyana*, *Paludina* – Deshayes, 1862–DescrCoqFoss: 481, 32, given in pl. expl. in error as “*Paludina novigentiensis*” [a different species; see above], pl. 32, figs 20–21 [in text as figs 23–26], 33, pl. 33, figs 1–2; 1865–DescrCoqFoss: 666 [in two places, corrections made]. — Type locality: Saint-Parres-lès-Vaudes. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32517, syntype. — Current status: *Viviparus orbignyana* (Deshayes, 1862) (Le Renard & Pacaud 1995: 98; Pacaud 2008: 45).

*proavia*, *Paludina* – Deshayes, 1862–DescrCoqFoss: 482–483, 32, pl. 32, fig. 14 [in text as fig. 13]; 1865–DescrCoqFoss: 666 [correction made]. — Type locality: Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32868, syntypes. — Current status: *Viviparus proavius* (Deshayes, 1862) (Le Renard & Pacaud 1995: 98; Pacaud 2008: 45; Leroy *et al.* 2014: 23, pl. 17, figs 2–3).



*semicarinata*, *Paludina* – Deshayes, 1825-*DescrCoqFoss*: 127-128, 8, pl. 15, figs 11-12, *ex Brard ms* [1811; vernacular]. — Type localities: Beaurin, Crissay & Ponchartrain. — Type age: Eocene (Bartonian). — Current status: *Viviparus semicarinatus* (Deshayes, 1825) (Wenz 1928: 2378).

*speciosa*, *Paludina* – Deshayes in Deshayes & Jullien, 1876: 142-143, 160, pl. 6, figs 17-18. — Type locality: Arroyo de Peam-Chelang, Cambodia. — Type age: Recent. — Current status: *Filopaludina sumartrensis* [Dunker, 1852, *Paludina speciosa* (Deshayes, 1876) (Brandt 1974: 21)].

*sphaericula*, *Paludina* – Deshayes in Deshayes & Jullien, 1876: 136-137, 161, pl. 7, fig. 27. — Type locality: Pnum-Perh, Mekong River, Cambodia, in sand. — Type age: Recent. — Current status: *Mekongia sphaericula* (Deshayes, 1876) (Brandt 1974: 45).

*suessoniensis*, *Paludina* – Deshayes, 1862-*DescrCoqFoss*: 481-482, 33, pl. 33 [in text as pl. 34], figs 3-4; 1865-*DescrCoqFoss*: 666 [correction made]. — Type localities: Beaurain, Noyon, Soissons & Vauxbuin. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32518, syntypes from Soissons. — Current status: synonym of *Viviparus sublentus* (d'Orbigny, 1850) [*Paludina*] (Pacaud 2007: 30-31).

*turbinata*, *Paludina* – Deshayes in Deshayes & Jullien, 1876: 131-132, 161, pl. 8, figs 1-4. — Type locality: Ca-Lgniou Island, Cambodia, in sand. — Type age: Recent. — Current status: *Mekongia turbinata* (Deshayes, 1876) (Köhler & Rintelen 2011).

#### Family BRACHYTREMATIDAE Cossmann, 1906

*acutidens*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 33, pl. 61, figs 17-20; 1834-*DescrCoqFoss*: 427; 1865-*DescrCoqFoss*: 231. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Benoistia acutidens* (Deshayes, 1833) (Le Renard & Pacaud 1995: 105; Pacaud 2008: 47).

*boblayi*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 423-424, 33, pl. 61, figs 1-4; 1865-*DescrCoqFoss*: 231. — Type localities: Montmorency & Versailles. — Type age: Oligocene (Rupelian). *Cerithium boblayei*, Incorrect subsequent spelling. *Benoistia boblayi* (Deshayes, 1833) (Lozouet & Maestrati 2012a: 274, 176, fig. 177: 9-19, as “1824”). — Current status: synonym of *Benoistia conoidale* (Lamarck, 1804) (Pacaud 2019: 104-105, pl. 1, figs 3-5).

*breviculum*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 425-426, 33, pl. 61, figs 9-12; 1865-*DescrCoqFoss*: 231. — Type localities: Retheuil & Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Benoistia brevicula* (Deshayes, 1834) (Le Renard & Pacaud 1995: 105).

*carinulatum*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 74, pl. 74, figs 4-6; 1865-*DescrCoqFoss*: 165-166. — Type locality: Vaudancourt. — Type age: Eocene (Lutetian). — Current status: *Benoistia carinulata* (Deshayes, 1864) (Le Renard & Pacaud 1995: 105; Pacaud 2008: 47).

#### Family CAMPANILIDAE Douvillé, 1904

*paratum*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 118-119, 81, pl. 81, fig. 1. — Type localities: Caumont & Mary-sur-Marne. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32748, syntypes. — Current status: *Campanile paratum* (Deshayes, 1864) (Le Renard & Pacaud 1995: 106; Pacaud *et al.* 2014: 39, fig. 18, pl. 10, figs 3-6).

*parisiense*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 117-118, 76, pl. 76, fig. 1 [in text as pl. 67], 666 [error corrected]. — Type locality: Boury-en-Vexin. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32713, holotype. — Current status: *Campanile parisiense* (Deshayes, 1864) (Le Renard & Pacaud 1995: 106; Pacaud 2008: 49).

#### Family PLESIOTROCHIDAE Houbrick, 1990

*fragile*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 363-364, 29, pl. 54, figs 16-21; 1865-*DescrCoqFoss*: 164. — Type localities: Parnes, Thiverval-Grignon & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32283, syntypes from Thiverval-Grignon. — Type species (OD) of *Tenuicerithium* Cossmann, 1896. — Current status: *Tenuicerithium fragile* (Deshayes, 1833) (Le Renard & Pacaud 1995: 108; Pacaud 2008: 45, as “1864”).

*imperfectum*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 365-366, 31, pl. 57, figs 1-4; 1865-*DescrCoqFoss*: 172-173. — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Type species (OD) of *Hemicerithium* Cossmann, 1894. — Current status: *Hemicerithium imperfectum* (Deshayes, 1833) (Le Renard & Pacaud 1995: 107; Pacaud 2008: 46).

*incommodum*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 81, pl. 81, figs 24-25; 1865-*DescrCoqFoss*: 173-174. — Type localities: Caumont & Mary-sur-Marne. — Type age: Eocene (Bartonian). — Current status: *Hemicerithium incommodum* (Deshayes, 1833) (Le Renard & Pacaud 1995: 107).

*intermissum*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 78, pl. 78, figs 6-8 [text had as figs 6-9]; 1865-*DescrCoqFoss*: 174-175, 666 [correction noted]. — Type localities: Châlons-sur-Vesle, Jonchery-sur-Vesle, Aizy-Jouy & Laon. — Type age: Paleocene-Eocene (Thanetian-Ypresian). Associated with *Cerithium heteroclitum* Melleville, 1843 (Melleville 1843: 104 [58, 85], pl. 7, figs 8-11), *non Cerithium heteroclitus* Lamarck, 1822, but not expressly proposed as a replacement name. *Hemicerithium intermissum* (Deshayes, 1864) (Le Renard & Pacaud 1995: 107). Although the latter two species names have the same stem, they differ in formation and are not homonyms (ICZN *Code Art.* 57.6). — Current status: synonym of *Hemicerithium heteroclitum* Melleville, 1843 (Pacaud 2019: 106-107).

#### Family AMPULLINIDAE Cossmann, 1919

*abscondita*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 68-69, 70, pl. 70, figs 21-23. — Type localities: Auvers-sur-Oise, Valmondois, Mary-sur-Marne, Vendrest, Acy-en-Multien, Caumont, Le Fayel, Montjavoult, La Ferté-sous-Jouarre, Le Guépelle, Ver-sur-Launette, Ermenonville, Les Craquelots, Saint-Sulpice, La Chapelle-en-Serval, Puisieux, Montagny-en-Vexin & Mareuil-en-Dôle. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32695, syntype from Ermenonville. — Current status: *Ampullina abscondita* (Deshayes, 1864) (Le Renard & Pacaud 1995: 95).

*acuta*, *Natica* – Deshayes, 1825-*DescrCoqFoss*: 13, pl. 21, figs 7-8; 1832: 173-174, *non Ampullaria acuta* Lamarck, 1804, which d'Orbigny (1850b) assigned to *Natica*; 1838-*HistNatAnim2*: 657; 1843-*HistNatAnim3*: 503; 1864-*DescrCoqFoss*: 74-75. — Type localities: Thiverval-Grignon, Senlis, Valmondois & Acy-en-Multien. — Type age: Eocene (Lutetian-Bartonian). *Natica grignonensis* d'Orbigny, 1850b (d'Orbigny 1850b: 344, no. 114), replacement name, as “*non Sowerby, 1821*”, in fact *non* Lamarck, 1804. Preoccupies *Natica acuta* Philippi, 1845, which was renamed *Natica philippiana* Nyst, 1845b (Nyst 1845b: 153); however, it is a synonym of *Tectonatica*

*impervia* (Philippi, 1845) (Coan & Kabat 2017: 156). Deshayes' species also preoccupies *Natica acuta* Guéranger, 1853, which was renamed *Natica monnetina* Chelot, 1886. The latter are all Naticidae. — Current status: *Crommium grignonense* (d'Orbigny, 1850) (Pacaud 2007: 37; Pacaud & Ledon 2014: 189-190).

*adolphei*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 78, replacement name for *Natica spirata* Roemer, 1850 (Roemer 1850: 34, pl. 5, fig. 10), *non* Deshayes, 1825 (see below), *nec* (J. de C. Sowerby, 1824) [*Nerita*]. Germany; Carboniferous. — Current status: possibly Neritopsidae.

*brongniarti*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 35-36, 71, pl. 71, figs 6-7. — Type localities: Le Fayel & Mary-sur-Marne. — Type age: Eocene (Bartonian). — Current status: *Ampullonatica brongniarti* (Deshayes, 1864) (Le Renard & Pacaud 1995: 95).

*cuspidata*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 64, 65, pl. 65, figs 26-27, *non* Piette, 1855. — Type locality: Aizy-Jouy. — Type age: Eocene (Ypresian). *Natica aizyensis* Bayan, 1870 (Bayan 1870: 25), replacement name. *Ampullina aizyensis* (Bayan, 1870) (Le Renard & Pacaud 1995: 95).

*dameriacensis*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 82, 72, pl. 72, figs 3-4. — Type locality: Damery. — Type age: Eocene (Lutetian). Synonym of – Current status: *Pachycrommium productum* (Deshayes, 1864) (Pacaud herein, first revision).

*dissimilis*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 76. — Type localities: Cuise-la-Motte, Cœuvres-et-Valsery, Retheuil, Aizy-Jouy, Roy-Saint-Nicolas, Pierrefonds, Laversine, Laon & Mercin-et-Vaux. — Type age: Eocene (Ypresian). — Current status: synonym of *Pachycrommium suessoniense* (d'Orbigny, 1850) [*Natica*] (Bayan 1870: 28; Pacaud 2007: 39-40).

*edwardsi*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 67-68, 70, pl. 70, figs 19-20, 71, pl. 71, figs 11-12. — Type localities: Auvers-sur-Oise, Valmondois, Le Fayel, Caumont, Lisy-sur-Ourcq, Le Guépelle, La Chapelle-en-Serval, Ver-sur-Launette, Ermenonville & Montagny-en-Vexin. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32714, syntypes d'Auvers-sur-Oise. — Current status: *Ampullina depressa* [Lamarck, 1804] *edwardsi* (Deshayes, 1864) (Le Renard & Pacaud 1995: 95; Tréguier & Pacaud 2018: 207, 212, pl. 2, fig. 1).

*forbesi*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 69, 67, pl. 67, figs 16-17. — Type localities: Cuise-la-Motte & Retheuil. — Type age: Eocene (Ypresian). — Current status: *Ampullina forbesi* (Deshayes, 1864) (Le Renard & Pacaud 1995: 95).

*globus*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 70-71, 65, pl. 65, figs 28-29. — Type localities: Aizy-Jouy, Mercin-et-Vaux, Laon & Retheuil. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32663, syntype from Mercin-et-Vaux. — Current status: synonym of *Ampullina semipatula* (Deshayes, 1864) (Pacaud herein).

*gouberti*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 71-72, 70, pl. 70, figs 6-9. — Type locality: Saint-Sulpice. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32691, holotype. *Ampullonatica* ? *gouberti* (Deshayes, 1864) (Le Renard & Pacaud 1995: 95). — Current status: synonym of *Ampullina depressa* [Lamarck, 1804] *parisiensis* (d'Orbigny, 1850) (Pacaud herein).

*grata*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 69-70, 71, pl. 71, figs 8-10. — Type locality: Auvers-sur-Oise. — Type age: Eocene (Bartonian). — Current status: *Ampullina grata* (Deshayes, 1864) (Le Renard & Pacaud 1995: 95; Pacaud 2008: 49).

*grossa*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 65, 70, pl. 70, figs 24-26. — Type localities: Houdan, Damery & Chery-Chartreuve. — Type age: Eocene (Lutetian-Bartonian). — Type material:

UCBL-EM 32696, syntypes from Chery-Chartreuve. — Current status: *Ampullina grossa* (Deshayes, 1864) (Le Renard & Pacaud 1995: 95; Pacaud 2008: 49).

*heberti*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 77, 72, pl. 72, figs 1-2, *non* Rouault, 1850, *nec* Zittel & Goubert, 1861. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Type material: MNHN.F.J04185, holotype. — Current status: synonym of *Crommium grignonense* (d'Orbigny, 1850) [*Natica*] (Pacaud herein).

*insolita*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 59, 67, pl. 67, figs 14-15. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32676, holotype. — Current status: *Globularia insolita* (Deshayes, 1864) (Le Renard & Pacaud 1995: 95).

*intermedia*, *Natica* – Deshayes, 1825-*DescrCoqFoss*: 14, pl. 22, figs 1-2; 1832: 177. — Type localities: Retheuil, Cuise-la-Motte & Houdan. — Type age: Eocene (Ypresian-Lutetian). 1864-*DescrCoqFoss*: 74. Preoccupies *Natica globosa intermedia* Grateloup, 1828, and *Natica intermedia* Philippi, 1836, the latter a synonym of *Euspira nitida* (Donovan, 1804) (Coan & Kabat 2017: 159). *Amaurellina (Crommium) intermedia* (Deshayes, 1825) (Le Renard & Pacaud 1995: 96). *Ampullina intermedia* (Deshayes, 1825) (Caze *et al.* 2011: 334, fig. 3A-E, showing residual colour patterns). — Current status: *Crommium intermedium* (Deshayes, 1825) (Pacaud & Ledon 2014: 191).

*lignitarum*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 73-74, 68, pl. 68, figs 23-24. — Type localities: Mont-Bernon, Épernay, Cramant, Cuis, Ay & Rilly-la-Montagne. — Type age: Eocene (Ypresian). *Amaurellina (Crommium) lignitarum* (Deshayes, 1864) (Le Renard & Pacaud 1995: 96). *Crommium lignitarum* (Deshayes, 1864) (Jeffery & Tracey 1997: 82, 93, pl. 9, fig. 1). *Ampullina lignitarum* (Deshayes, 1864) (Pacaud 2016c: 96). — Current status: synonym of *Ampullina intermedia* (Deshayes, 1825) [*Natica*] (Pacaud herein).

*merciniensis*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 73, 67, pl. 67, figs 3-5. — Type locality: Mercin-et-Vaux. — Type age: Eocene (Ypresian). — Current status: *Amaurellina (Crommium) merciniensis* (Deshayes, 1825) (Le Renard & Pacaud 1995: 96).

*mutabilis*, *Natica* – Deshayes, 1825-*DescrCoqFoss*: 13, pl. 21, figs 11-12; 1832: 175-176, *non* (Solander, in Brander, 1766) [*Helix*]. *Natica parisiensis* d'Orbigny, 1850b (d'Orbigny 1850b: 344, no. 116), replacement name. — Type localities: Thiverval-Grignon, Beynes, Courtagnon, Senlis, Beauchamp, Valmondois, Tancrou, Monneville, Valognes; Isle of Wight; Roncà, Italy. — Type age: Eocene (Lutetian-Bartonian). — Current status: *Ampullina depressa* [Lamarck, 1804] *parisiensis* (d'Orbigny, 1850) (Pacaud 2007: 38).

*ponderosa*, *Ampullaria* – Deshayes, 1825-*DescrCoqFoss*: 140-141, 11, pl. 17, figs 13-14; 1830a-*EncyMeth*: 32-33. 1838-*HistNatAnim2*: 554-555; 1843-*HistNatAnim3*: 467. 1865-*DescrCoqFoss*: 72, as *Natica*. — Type locality: Monneville. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32833, syntypes. Cowie & Thiengo (2003: 81, not Ampullariidae). — Current status: *Amaurellina (Crommium) ponderosa* (Deshayes, 1825) (Le Renard & Pacaud 1995: 96).

*producta*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 80-81, 69, pl. 69, figs 27-28. — Type localities: Chaussy & Parnes. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32690, syntype from Chaussy. *Amaurellina (Pachycrommium) producta* (Deshayes, 1864) (Le Renard & Pacaud 1995: 96). *Ampullospira producta* (Deshayes, 1825) (Pacaud & Ledon 2014: 184). — Current status: *Pachycrommium productum* (Deshayes, 1864) (Caze *et al.* 2011: fig. 8C, showing residual colour patterns).



*rustica*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 65-66, 72, pl. 72, figs 16-17. — Type locality: Issou. — Type age: Eocene (Lutetian). — Type material: MNHN.F.J04134, 2 syntypes. — Current status: *Ampullina rustica* (Deshayes, 1864) (Le Renard & Pacaud 1995: 95; Pacaud 2008: 49; Caze *et al.* 2011: 332, fig. 1E, 2D, showing residual colour patterns; Courville *et al.* 2012: 61, pl. 3, fig. 6).

*scalariformis*, *Ampullaria* – Deshayes, 1825-*DescrCoqFoss*: 138, 8, pl. 16, figs 8-9; 1830a-*EncyMeth*: 34-35; 1838-*HistNatAnim2*: 554; 1843-*HistNatAnim3*: 467. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Current status: *Pachycrommium scalariforme* (Deshayes, 1825) (Le Renard & Pacaud 1995: 96, as subgenus of *Amaurellina*; Pacaud 2008: 50; Caze *et al.* 2011: 343, fig. 8E-F, showing residual colour patterns; Pacaud & Ledon 2014: 185, pl. 4, figs 1-2).

*semipatula*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 62-63, 65, pl. 65, figs 23-25. — Type localities: Bracheux, Noailles, Abbécourt, Châlons-sur-Vesle, Brimont, Gueux, Jonchery-sur-Vesle, Cœuvres-et-Valsery, Aizy-Jouy, Laon, Vregny, Cuisy-en-Almont, Roilay, Laversine, Rethueil & Cuise-la-Motte. — Type age: Paleocene-Eocene (Thanetian-Ypresian). — Type material: UCBL-EM 32662, possible syntypes. *Ampullina semipatula* (Deshayes, 1864) (Le Renard & Pacaud 1995: 95; Leroy *et al.* 2014: 24, pl. 17, figs 5-11). — Current status: *Globularia* (*Globularia*) *semipatula* (Deshayes, 1864) (Caze *et al.* 2011: 336, fig. 4M, showing residual colour patterns).

*sphaerica*, *Natica* – Deshayes, 1825-*DescrCoqFoss*: 12, pl. 20, figs 14-15; 1832: 176; 1864-*DescrCoqFoss*: 71. — Type localities: Les Groux, Parnes, Mouchy-le-Châtel & Maulette. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32180, syntype from Maulette. — Current status: *Cernina* (*Eocernina*) *sphaerica* (Deshayes, 1825) (Le Renard & Pacaud 1995: 95; Pacaud 2008: 49).

*spirata*, *Natica* – Deshayes, 1825-*DescrCoqFoss*: 13, pl. 21, figs 1-2; 1832: 173, *non* (J. Sowerby, 1821) [*Nerita*]; 1838-*HistNatAnim2*: 655; 1843-*HistNatAnim3*: 502-503. — Type localities: Rethueil & Cuise-la-Motte. — Type age: Eocene (Ypresian). *Natica suessoniensis* d'Orbigny, 1850b (d'Orbigny 1850b: 312, no. 266), replacement name. — Current status: *Pachycrommium suessoniense* (d'Orbigny, 1850) (Pacaud 2007: 38-39; Caze *et al.* 2011: 341-343, text-fig. 8A-B; Pacaud *et al.* 2023: pl. 3, figs 1-2).

*splendida*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 61-62, 67, pl. 67, figs 8-10. — Type localities: Aizy-Jouy & Sermoize. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32674, syntypes from Aizy-Jouy. — Current status: *Globularia splendida* (Deshayes, 1864) (Le Renard & Pacaud 1995: 95; Jeffery & Tracey 1997: 82, 93, pl. 9, fig. 2).

*striatula*, *Ampullaria* – Deshayes, 1830a-*EncyMeth*: 36. — Type locality: Dax. — Type age: Oligocene (Rupelian). — Type material: MNHN.F.A82842, A82843, syntypes. New species based on *Ampullaria crassatina* Lamarck, *sensu* Basterot, 1825, *non* Lamarck, 1804. — Current status: synonym of *Crommium angustatum* (Gratoulet, 1828) [*Ampullaria*] (Pacaud 2016c: 98).

*tuba*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 80, 72, pl. 72, figs 5-6. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32698, holotype. — Current status: *Amaurellina* (*Amaurellina*) *tuba* (Deshayes, 1864) (Le Renard & Pacaud 1995: 96; Pacaud 2008: 49; Caze *et al.* 2011: 341, fig. 7L, showing residual colour patterns).

*willemetii*, *Ampullaria* – Deshayes, 1825-*DescrCoqFoss*: 141, 11, pl. 17, figs 11-12; 1830a-*EncyMeth*: 32. 1838-*HistNatAnim2*: 555; 1843-*HistNatAnim3*: 467. 1864-*DescrCoqFoss*: 72, as *Natica*. — Type localities: Mouchy-le-Châtel, Parnes, Damery, Courtagnon, Montmirail & Senlis. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32162, syntypes. — Type species (OD) of *Crommium* Cossmann, 1888. Also type species (M) of *Villemetia* Laville, 1890, which is thus a junior synonym. — Current status:

synonym of *Crommium acutum* (Lamarck, 1804) [*Ampullaria*] (Pacaud 2007: 37-38; Pacaud 2008: 49).

*bulimoides*, *Ampullaria* ? – Leymerie, 1841: 342, *nomen nudum*; 1842: 12, 30, pl. 16, fig. 9, *ex* Deshayes ms. — Type localities: Soulaines-Dhuys & Vendevre-sur-Barse. — Type age: Cretaceous (Hauterivian). — Current status: *Globularia* ? *bulimoides* Leymerie, 1842: 48) (Kollmann 2005: 57, pl. 7, fig. 12-13).

*dupini*, *Natica* – Leymerie, 1841: 320, *nomen nudum*; 1842: 13, 30, pl. 16, fig. 7a-b, *ex* Deshayes ms. — Type locality: Ervy-le-Châtel. — Type age: Cretaceous (Albian). — Type material: UCBL-EM 30429, neotype (Kollmann 2005). — Current status: *Ampullina dupini* (Leymerie, 1842) (Kollmann 2005: 60-61, pl. 8, fig. 7; Colleté *et al.* 2010: 73, both as *A. “dupini”*).

*laevigata*, *Ampullaria* – Leymerie, 1841: 342, *nomen nudum*; 1842: 13, 30, pl. 16, fig. 10, *ex* Deshayes ms. — Type localities: Marolles-sous-Lignièrès & Soulaines. — Type age: Cretaceous (Hauterivian). *Pictavia laevigata* (Leymerie, 1842) (Kollmann 2005: 54-55, pl. 7, fig. 7-8; Calzada *et al.*, 2021). However, while in *Natica*, secondary homonym of *Natica laevigata* (J. Sowerby, 1818) [*Nerita*]. D'Orbigny, 1850b (d'Orbigny 1850b: 68, no. 108) renamed Leymerie's species *Natica sublaevigata*, citing his own treatment of it in the *Paléontologie française*. The replacement name has been used by many authors and has to be considered permanently changed. — Current status: *Pictavia sublaevigata* (d'Orbigny, 1850).

#### Family METACERITHIIDAE Cossmann, 1906

*laevigata*, *Turritella* – Leymerie, 1841: 342, *nomen nudum*; 1842: 14, 31, pl. 17, fig. 9, *ex* Deshayes ms. — Type locality: Marolles-sous-Lignièrès. — Type age: Cretaceous (Hauterivian). Preoccupies *Turritella* (*Oligodia*) *archimedis* [Brongniart, 1823] *laevigata* Handmann, 1882 [Turritellidae]. — Current status: *Nerineopsis laevigata* (Leymerie, 1842) (Kollmann 2005: 10, pl. 18, fig. 12).

*ornatissimum*, *Cerithium* – Leymerie, 1841: 320, *nomen nudum*; 1842: 14, 31, pl. 17, fig. 10, *ex* Deshayes ms. — Type locality: Racines. — Type age: Cretaceous (Albian). — Current status: *Metacerithium ornatissimum* (Leymerie, 1842: 48) (Kollmann 2005: 163-164, pl. 18, fig. 8).

*subspinosum*, *Cerithium* ? – Leymerie, 1841: 320, *nomen nudum*; 1842: 14, 31, pl. 17, fig. 12a-b, *ex* Deshayes ms. — Type locality: Courtaout. — Type age: Cretaceous (Albian). — Type species (OD) of *Cirsocerithium* Cossmann, 1906. — Current status: *Cirsocerithium subspinosum* (Leymerie, 1842: 48) (Kollmann 2005: 159-160, pl. 17, figs 24-25).

#### Family TRYPANAXIDAE Gougerot & Le Renard, 1987

*apertum*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 79, pl. 79, figs 36-38; 1865-*DescrCoqFoss*: 217-218. — Type locality: Hérouval. — Type age: Eocene (Ypresian). — Current status: *Trypanaxis aperta* (Deshayes, 1864) (Le Renard & Pacaud 1995: 109).

*beyrichi*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 74, pl. 74, figs 31-33; 1865-*DescrCoqFoss*: 218-219. — Type locality: Saint-Félix. — Type age: Eocene (Lutetian). — Current status: synonym of *Trypanaxis perforata* (Lamarck, 1804) (Pacaud herein).

*cylindraceum*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 78, pl. 78, figs 18-20; 1865-*DescrCoqFoss*: 208. — Type localities: Châlons-sur-Vesle & Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Type species (OD) of *Alocaxis* Cossmann, 1889. Preoccupies *Cerithium cylindraceum* Guéranger, 1867, which was renamed *Cerithium memorator* Bayle, 1880; as well as *Cerithium cylindraceum* Pease, 1869, which was renamed *Cerithium peasei* Dautzenberg & Bouge, 1933, but now considered a synonym of *Cerithium columna* G. B. Sowerby I, 1834; all the latter are Cerithiidae. — Current status: *Alocaxis cylindracea* (Deshayes, 1864) (Le Renard & Pacaud 1995: 110; Leroy *et al.* 2014: 24, pl. 17, fig. 4).

*deceptor*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 79, pl. 79, figs 39-41; 1865-*DescrCoqFoss*: 217. — Type localities: Hérouval & Aizy-Jouy. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32736, syntype from Aizy-Jouy. — Current status: *Trypanaxis perforata* [Lamarck, 1804] *deceptrix* (Deshayes, 1864) (Le Renard & Pacaud 1995: 109).

*dulce*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 75, pl. 75, figs 34-36; 1865-*DescrCoqFoss*: 218. — Type locality: Hérouval. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32718, syntype. — Current status: synonym of *Trypanaxis perforata* (Lamarck, 1804) (Pacaud herein).

*imperforatum*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 75, pl. 75, figs 23-24; 1865-*DescrCoqFoss*: 215. — Type locality: Beaugrenier. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32708, syntypes. — Current status: *Trypanaxis imperforata* (Deshayes, 1864) (Le Renard & Pacaud 1995: 109).

*pervium*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 79, pl. 79, figs 33-35; 1865-*DescrCoqFoss*: 216-217. — Type localities: Hérouval & Aizy-Jouy. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32735, syntypes from Aizy-Jouy. — Current status: *Trypanaxis pervia* (Deshayes, 1864) (Le Renard & Pacaud 1995: 109).

#### Family PROCERITHIIDAE Cossmann, 1906

*scalariformis*, *Melania* – Deshayes, 1832-*EncyMeth*: 427-428. — Type locality: Caen. — Type age: Jurassic (Bajocian). — Type species (OD) of *Rhabdocolpus* Cossmann, 1906. *Cerithium subsclariforme* d'Orbigny, 1850a (d'Orbigny 1850a: 271), replacement name for “*Cerithium*” *scalariformis* (Deshayes, 1832) *non* “*Cerithium*” *scalariformis* (Say, 1825) [*Pirena*]. However, the Deshayes and Say species were not described in the same genus, do not appear to have been both placed in *Cerithium* by any author other than d'Orbigny, so this was an unnecessary replacement. — Current status: *Rhabdocolpus scalariformis* (Deshayes, 1832) (Ferrari 2015: 86).

#### Family CERITHIIDAE J. Fleming, 1822

*acummiense*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 74, pl. 74, figs 10-12; 1865-*DescrCoqFoss*: 161-162. — Type locality: Acy-en-Multien. — Type age: Eocene (Bartonian). *Bittium acuminiense* Cossmann & Pissarro, 1911, is an unjustified emendation. — Current status: *Bittium (Bittium) acummiense* (Deshayes, 1864) (Le Renard & Pacaud 1995: 107).

*alligatum*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 341, 32, pl. 59, figs 5-8, 19-20 [listed in text only as 4-6; 1837-*DescrCoqFoss*: 812, corrections made]; 1865-*DescrCoqFoss*: 181, synonymized with *Cerithium angustum* Deshayes, 1833. — Type localities: Senlis & Baron. — Type age: Eocene (Bartonian). — Current status: synonym of *Cerithium angustum* Deshayes, 1833.

*angustum*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 340, 28, pl. 52, figs 18-20, 32, pl. 59, figs 1-4 [pl. 52 figures, fig. 4 on pl. 59 not listed in text; 1837-*DescrCoqFoss*: 812, corrections made; 1865-*DescrCoqFoss*: 181], *non* Deshayes, 1835 (see below). — Type localities: Valmondois & Thiverval-Grignon. — Type age: Eocene (Lutetian-Bartonian). Synonym of *Cerithium turritellatum* Lamarck, 1804 (Boussac 1907: 123-123a, figs 1-14). — Current status: *Granulolabium (Tianacerithium) turritellatum* (Lamarck, 1804) (Le Renard & Pacaud 1995: 106).

*angustum*, *Cerithium* – Deshayes, 1833b: 232, “pl. 7, figs 17-19”, *nomen nudum*; 1835b: 183, pl. 24, figs 17-19, *non* Deshayes, 1833 (see above). — Type locality: Rhodes; Subapennine Formation, Pliocene. — Current status: synonym of *Bittium reticulatum* (da Costa, 1778) [*Strombiformis*] (Bucquoy *et al.* 1884: 212-215, pl. 25, figs 1-27).

*aspersum*, *Cerithium* – Deshayes, 1863: 97-98, pl. 11, figs 16-18. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-36206, lectotype; MNHN-IM-2000-36207, 4 paralectotypes. — Current status: synonym of *Cerithium zebrum* Kiener, 1841 (Houbriek 1993: 17, fig. 10, lectotype).

*basterotii*, *Cerithium* – Deshayes, 1833b: 232, “pl. 7, figs 25-26”, *nomen nudum*; 1835b: 181, pl. 24, figs 25-26, *non Cerithium basteroti* Serres, 1829 [Potamididae]. — Type locality: Peloponnese Peninsula, Greece; Subapennine Formation, Pliocene. — Current status: synonym of *Cerithium vulgatum* Bruguière, 1792 (Pacaud herein).

*bellovacinum*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 76, pl. 76, figs 14-15; 1865-*DescrCoqFoss*: 145. — Type localities: Bracheux & Abbecourt. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32719, syntype from Bracheux. *Pseudoaluco (Pseudoaluco) bellovacinus* (Deshayes, 1833) (Le Renard & Pacaud 1995: 106). — Current status: synonym of *Pseudoaluco carolinus* (d'Orbigny, 1850) (Harzhauser *et al.* 2013: 194; Pacaud 2018b: 45).

*calvimontanum*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 120, 76, pl. 76, fig. 22. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32712, holotype. — Current status: *nomen dubium* (Pacaud herein).

*capillaceum*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 78, pl. 78, figs 22-24; 1865-*DescrCoqFoss*: 214. — Type locality: Noailles. — Type age: Paleocene (Thanetian). — Current status: *Bittium (Bittium) capillaceum* (Deshayes, 1864) (Le Renard & Pacaud 1995: 107).

*catalaunense*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 78, pl. 78, figs 10-13; 1865-*DescrCoqFoss*: 164-165. — Type localities: Châlons-sur-Vesle, Gueux, Jonchery-sur-Vesle, Brimont & Noailles. — Type age: Paleocene (Thanetian). Associated with *Cerithium granulatum* Melleville, 1843 (Melleville 1843: 107-108 [61-62, 86], pl. 7, figs 27-29), “*non* Basterot, 1825”, *non* Risso, 1826, *nec* Anton, 1838, but not expressly proposed as a replacement name. — Current status: *Bittium (Bittium) catalaunense* (Deshayes, 1864) (Le Renard & Pacaud 1995: 107; Leroy *et al.* 2014: 23, pl. 18, figs 1-4).

*clathratum*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 357-358, 29, pl. 53, figs 22-25, *non* Grateloup, 1832; 1865-*DescrCoqFoss*: 159. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Both species preoccupy *Cerithium clathratum* G. B. Sowerby II, 1855, which was renamed *Cerithium sinon* Bayle, 1880. — Current status: synonym of *Bittium (Bittium) transenna* (Bayan, 1873) [*Cerithium*] (Pacaud 2019: 109).

*crassicostatum*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 77, pl. 77, figs 12-13; 1865-*DescrCoqFoss*: 163. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Tenuicerithium crassicostatum* (Deshayes, 1864) (Le Renard & Pacaud 1995: 108; Pacaud 2008: 45).



*crossii*, *Cerithium* – Deshayes, 1863: 96, pl. 11, figs 12-14. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-36172, lectotype; MNHN-IM-2000-36173, 2000-36175, 3 paralectotypes. — Current status: synonym of *Cerithium zebrum* Kiener, 1841 (Houbrick 1993: 17, fig 7, lectotype).

*defrancii*, *Cerithium* – Deshayes, 1833-DescrCoqFoss: 375-376, 31, pl. 57, figs 5-6; 1865-DescrCoqFoss: 145-146. — Type localities: Abbecourt & Noailles. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32289, syntype from Noailles. Preoccupies *Cerithium defrancii* Eudes-Deslongchamps, 1842. *Pseudoaluco* (*Pseudoaluco*) *defrancii* (Deshayes, 1833) (Le Renard & Pacaud 1995: 106). — Current status: *Pseudoaluco defrancii* (Deshayes, 1833) (Leroy et al. 2014: 23, pl. 19, fig. 6).

*dentatum*, *Cerithium* – Deshayes, 1833-DescrCoqFoss: 363, 29, pl. 54, figs 22-24, ex DeFrance ms, non Bruguière, 1792. — Type localities: Montmorency & Versailles. — Type age: Oligocene (Rupelian). — Current status: *Globulocerithium intradentatum* (Deshayes, 1864), replacement name, see below.

*deslongchampsii*, *Cerithium* – Deshayes, 1853-TraitElem: 62, pl. 104, figs 4-6. — Type locality: none given; fossil. — Current status: *Taxon inquirendum*.

*diastoma*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 73, pl. 73, figs 28-31; 1865-DescrCoqFoss: 150. — Type locality: Hérouval. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32715, syntype. — Current status: *Clava* (*Semivertagus*) *diastoma* (Deshayes, 1864) (Le Renard & Pacaud 1995: 107; Pacaud 2008: 46).

*diastomoides*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 79, pl. 79, figs 2-3; 1865-DescrCoqFoss: 152. — Type localities: Cuise-la-Mote & Laon. — Type age: Eocene (Ypresian). — Current status: *Clava* (*Proclava*) *diastomoides* (Deshayes, 1864) (Le Renard & Pacaud 1995: 107).

*duchasteli*, *Cerithium* – Deshayes, 1833-DescrCoqFoss: 407, 32, pl. 59, figs 15-18 [fig. 18 not noted cited in text; 1837-DescrCoqFoss: 812, correction made]; 1865-DescrCoqFoss: 156. — Type locality: Ferme de l'Orme. — Type age: Eocene (Lutetian). — Current status: *Bittium* (*Bittium*) *duchasteli* (Deshayes, 1833) (Le Renard & Pacaud 1995: 107; Pacaud 2008: 46).

*dulciculum*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 73, pl. 73, figs 38-40; 1865-DescrCoqFoss: 206. — Type locality: Lizy-sur-Ourcq. — Type age: Eocene (Bartonian). *Bittium* (*Semibittium*) *dulciculum* (Deshayes, 1864) (Le Renard & Pacaud 1995: 107).

*echinulatum*, *Cerithium* – Deshayes, 1833-DescrCoqFoss: 369-370, 30, pl. 55, figs 3-4. — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32285, syntypes from Parnes. 1865-DescrCoqFoss: 192. — Current status: *Pseudoaluco echinulatus* (Deshayes, 1833) (Le Renard & Pacaud 1995: 106; Pacaud 2008: 46).

*escheri*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 75, pl. 75, fig. 37 [in text as pl. 74]; 1865-DescrCoqFoss: 195-196. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). *Bittium* (*Semibittium*) *cancellatum* [Lamarck, 1804] *escheri* (Deshayes, 1833) (Le Renard & Pacaud 1995: 108). — Current status: *Bittium* (*Semibittium*) *escheri* (Deshayes, 1833) (Pacaud 2008: 46).

*felix*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 74, pl. 74, figs 38-39; 1865-DescrCoqFoss: 169-170. — Type localities: Mouy & Saint-Félix. — Type age: Eocene (Lutetian). *Pseudoaluco* (? *Globulocerithium*) *felix* (Deshayes, 1864) (Le Renard & Pacaud 1995: 106). — Current status: *Globulocerithium felix* (Deshayes, 1864) (Pacaud 2008: 46; Pacaud 2023: 3).

*filiferum*, *Cerithium* – Deshayes, 1833-DescrCoqFoss: 377-378, 27, pl. 49, figs 15-16; 1865-DescrCoqFoss: 144. — Type locality: Ullly-Saint-Georges. — Type age: Eocene (Lutetian). — Current status: *Pseudoaluco* (*Globulocerithium*) *filifer* (Deshayes, 1833) (Le Renard & Pacaud 1995: 106). *Globulocerithium filifer* (Deshayes, 1833) (Pacaud 2008: 46; Courville et al. 2012: 62-63, pl. 4, fig. 30; Pacaud 2023: 3, pl. 1, figs 2-4).

*gibbosum*, *Cerithium* – Deshayes, 1833-DescrCoqFoss: 361-362, 29, pl. 54, figs 9-12 [fig. 12 not listed in text; 1837-DescrCoqFoss: 812, correction made], ex DeFrance ms, non Eichwald, 1830; 1865-DescrCoqFoss: 160. — Type locality: Abbecourt. — Type age: Paleocene (Thanetian). — Current status: *Bittium* (*Bittium*) *roveretoi* Le Renard, 1994 (Le Renard 1994: 36), replacement name (Le Renard & Pacaud 1995: 107).

*globulosum*, *Cerithium* – Deshayes, 1833-DescrCoqFoss: 379, 31, pl. 57, figs 11-13; 1865-DescrCoqFoss: 167. — Type localities: Mary-sur-Marne, Tancrou, Hautteville-Bocage. — Type age: Eocene (Lutetian-Bartonian). — Type material: UCBL-EM 32291, syntype. — Current status: *Pseudoaluco* (*Globulocerithium*) *globulosum* (Deshayes, 1833) (Le Renard & Pacaud 1995: 106), now *Globulocerithium globulosum* (Deshayes, 1833) (Pacaud 2023: 3-4, pl. 1, fig. 1). The genus *Globulocerithium* Bouniol, 1981, was proposed in violation of ICZN Code Art. 13.3 and not subsequently made available (ICZN Code Art. 16.1); this situation has been resolved in a separate publication by one of us (Pacaud 2023), with the genus dating from this paper.

*graecum*, *Cerithium* – Deshayes, 1833b: 232, “pl. 7, figs 15-16”, *nomen nudum*; 1835b: 182, pl. 24, figs 15-16. — Type locality: Peloponnese Peninsula, Greece; Subapennine Formation, Pliocene. *Cerithideopsis graeca* (Deshayes, 1832) (Brunetti 2013: 63-66, figs 3A-E, 4A-D), a genus now synonymized with *Pirenella* J. E. Gray, 1847. — Current status: *Pirenella graeca* (Deshayes, 1832). Harzhauser et al. (2023: 80, 82) transferred this species to their new genus *Theodisca*.

*hornesi*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 75, pl. 75, figs 1-2; 1865-DescrCoqFoss: 163-164. — Type locality: Chaussy. — Type age: Eocene (Lutetian). — Current status: *Tenuicerithium hornesi* (Deshayes, 1833) (Le Renard & Pacaud 1995: 108; Pacaud 2008: 46).

*inabsolutum*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 74, pl. 74, fig. 28; 1865-DescrCoqFoss: 170-171. — Type localities: Thiverval-Grignon, Parnes, Gomerfontaine, Chaussy, Hérouval, Chambors & Saint-Thomas. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32703, syntype from Chaussy. *Psychocherithium lamellosum* [Bruguière, 1792] *inabsolutum* (Deshayes, 1864) (Le Renard & Pacaud 1995: 106). — Current status: *Psychocherithium inabsolutum* (Deshayes, 1864) (Pacaud 2008: 46).

*intangibile*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 78, pl. 78, figs 14-16; 1865-DescrCoqFoss: 171. — Type localities: Brimont & Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). — Current status: *Bittium* (*Bittium*) *intangibile* (Deshayes, 1864) (Le Renard & Pacaud 1995: 107).

*intradentatum*, *Cerithium* – Deshayes, 1865-DescrCoqFoss: 167-168. Replacement name for *Cerithium dentatum* Deshayes, 1833, ex DeFrance ms, non *Cerithium dentatum* Bruguière, 1792. — Current status: *Globulocerithium intradentatum* (Deshayes, 1865) (Lozouet & Maestrati 2012a: 274-275, fig. 176: 1-6, as “*intradentatum*” and “1864”; Lozouet et al. 2012: 428-429, fig. 288: 11-12, as “1864”; Pacaud 2023: 4).

*jucundum*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 77, pl. 77, figs 16-18; 1865-DescrCoqFoss: 155-156. — Type localities: Brimont, Châlons-sur-Vesle, Noailles & Abbecourt. — Type age: Paleocene (Thanetian). — Current status: *Bittium* (*Bittium*) *jucundum* (Deshayes, 1864) (Le Renard & Pacaud 1995: 107).

*lima*, *Cerithium* – Deshayes, 1833-DescrCoqFoss: 362, 29, pl. 54, figs 13-15, *non* Bruguière, 1792. — Type localities: Montmorency & Versailles. — Type age: Oligocene (Rupelian). *Cerithium sublima* d'Orbigny, 1852 (d'Orbigny 1852: 16, no. 232), replacement name. *Cerithium limula* Deshayes, 1865, unnecessary additional replacement name. — Current status: *Bittium* (*Bittium*) *sublima* (d'Orbigny, 1852) (Pacaud 2019: 109).

*limbatum*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 75, pl. 75, figs 17-18; 1865-DescrCoqFoss: 166-167, *non* Ludwig, 1855. — Type locality: Chaussy. — Type age: Eocene (Lutetian). *Tenuicerithium bousiaci* Le Renard, 1994 (Le Renard 1994: 37), replacement name (Le Renard & Pacaud 1995: 108; Pacaud 2008: 45). — Current status: synonym of *Tenuicerithium falloti* (Vasseur, 1882) [*Cerithium*] (Pacaud 2019: 108).

*limula*, *Cerithium* – Deshayes, 1865-DescrCoqFoss: 172. Unnecessary additional replacement name for *Cerithium lima* Deshayes, 1833, *non* Bruguière, 1792 (see above).

*mediterraneum*, *Cerithium* – Deshayes, 1843-HistNatAnim2: 292, 302, 313-314; 1843-HistNatAnim3: 611-612. — Type locality: Mediterranean. — Type age: Recent. — Current status: synonym of *Cerithium lividulum* Risso, 1826 (Sabelli *et al.* 1990: 141).

*menkei*, *Cerithium* – Deshayes, 1863: 97, pl. 11, fig. 15. — Type locality: La Réunion. — Type age: Recent. — Current status: synonym of *Cerithium columna* G. B. Sowerby I, 1834 (Higo *et al.* 1999: 79).

*modunense*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 82, pl. 82, figs 30-31; 1865-DescrCoqFoss: 151. — Type locality: Meudon. — Type age: Paleocene (Danian). — Type material: MNHN.FJ04186, holotype. *Clava* (*Pseudovertagus*) *modunensis* (Deshayes, 1864) (Le Renard & Pacaud 1995: 107). — Current status: *Rhinoalavis* (*Aluco*) *modunensis* (Deshayes, 1864) (Pacaud 2018b: 28).

*multigranum*, *Cerithium* – Deshayes, 1833-DescrCoqFoss: 393-394, 32, pl. 55, figs 4-5; 1865-DescrCoqFoss: 124-125, as a synonym of *Cerithium funatum* ["Mantell"] J. Sowerby, 1814. — Type locality: somewhere in the Paris Basin. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32383, holotype. — Current status: synonym of *Eotympanotonus funatus* (J. Sowerby, 1814).

*obesum*, *Cerithium* – Deshayes, 1833-DescrCoqFoss: 378, 30, pl. 56, figs 7-8. — Type localities: Abbecourt & Noailles. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32287, syntype from Abbecourt. 1865-DescrCoqFoss: 144. *Pseudoaluco* (*Pseudoaluco*) *obesum* (Deshayes, 1833) (Le Renard & Pacaud 1995: 106). — Current status: *Pseudoaluco obesum* (Deshayes, 1833) (Leroy *et al.* 2014: 23, pl. 18, figs 8-13).

*passyi*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 74, pl. 74, figs 36-37; 1865-DescrCoqFoss: 169. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32716, syntype. — Current status: *Cerithium* (*Chondrocerithium*) *passyi* Deshayes, 1864 (Le Renard & Pacaud 1995: 106; Pacaud 2008: 46).

*plicatulum*, *Cerithium* – Deshayes, 1833-DescrCoqFoss: 359-360, 29 [figs 7-8, listed under another species, actually belong to this one], pl. 54, figs 1-2, 7-8 [fig. 8 not listed in text]; 1837-DescrCoqFoss: 812, 814 [corrections made], *non* (Brocchi, 1814) [*Turbo*]; 1865-DescrCoqFoss: 160d. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Bittium* (*Bittium*) *grabau* Le Renard, 1994 (Le Renard 1994: 36, as "*non* Risso"), replacement name (Le Renard & Pacaud 1995: 107).

*quadrifulcata*, *Cerithium tenuistriatum* [Melleville, 1843] – Deshayes, 1864-DescrCoqFoss: 78, pl. 78, fig. 34, *non* Lamarck, 1804. — Type locality: none given. — Type age: not stated. — Current status: synonym of *Cerithium tenuistriatum* Melleville, 1843 (Pacaud herein).

*rubus*, *Cerithium* – Deshayes, 1843-HistNatAnim2: 310-311, *ex* Martyn ms; 1843-HistNatAnim3: 610. — Type locality: New Zealand. — Type age: Recent. — Current status: synonym of *Cerithium echinatum* Lamarck, 1822 (Higo *et al.* 1999: 78).

*sandbergeri*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 82, mistakenly as *Cerithium "jeurense"* [a different Deshayes species in Newtoniellidae], pl. 82, figs 33-35; 1865-DescrCoqFoss: 213, 667 [error in pl. expl. noted], *non* Gümbel, 1861. — Type locality: Jeurre. — Type age: Oligocene (Rupelian). — Type material: MNHN.FJ03344, holotype. *Trypanaxis sandbergeri* (Deshayes, 1864) (Cossmann 1894: 308-309). — Current status: *Trypanaxis mauriniacus* Pacaud, n. name (replacement name herein): from the type locality Morigny. The classic Jeurre deposit was now located in the commune of Morigny-Champigny (Essonne). The name Morigny comes from the Latin *Mauriniacus*; name given in apposition.

*semicostatum*, *Cerithium* – Deshayes, 1833-DescrCoqFoss: 376-377, 30, pl. 55, figs 1-2; 1858: 553; 1865-DescrCoqFoss: 144. — Type localities: Abbecourt & Noailles. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32284, syntype from Noailles. *Pseudoaluco* (*Globulocerithium*) *semicostatum* (Deshayes, 1833) (Le Renard & Pacaud 1995: 106). — Current status: *Globulocerithium semicostatum* (Deshayes, 1833) (Leroy *et al.* 2014: 23, pl. 19, figs 1-3; Pacaud 2023: 4, pl. 1, fig. 5).

*vulgatum*, *Cerithium* – Deshayes, 1833b: 232, *nomen nudum*; 1835b: 181-182. — Type locality: Peloponnese Peninsula, Greece. — Type age: Subapennine Formation, Pliocene. — Current status: synonym of *Cerithium vulgatum* Bruguière, 1792 (Gaudry 1867: 442; Pacaud herein).

*Tristoma* – Menke, 1830: 57, *ex* Deshayes ms, *nomen nudum*. Listed in association with *Cerithium*.

*gibbosulum*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 78, pl. 78, figs 28-30; 1865-DescrCoqFoss: 162. Made available by Melleville 1843: 106-107 [60-61, 86], pl. 7, figs 24-26. — Type locality: none given. — Type age: Eocene (Ypresian). Now – Current status: *Mellewillia gibbosula* (Melleville, 1843) (Pacaud herein).

*tenuistriatum*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 78, pl. 78, figs 31-34; 1865-DescrCoqFoss: 168 [as *C. "tenuistratum"* in header; correct in synonymy]. Made available by Melleville 1843: 103 [57-58, 85], pl. 7, figs 4-5. — Type localities: Laon & Mons-en-Laonnois. — Type age: Eocene (Ypresian). — Current status: *Cerithium tenuistratum* Melleville, 1843 (Le Renard & Pacaud 1995: 106).

## Family BATILLARIIDAE Thiele, 1929

*acutum*, *Cerithium* – Deshayes, 1833-DescrCoqFoss: 354-356, 23, pl. 53, figs 1-4, *non* *Cerithium acutum* (J. Sowerby, 1822) [*Potamidis*]. — Type localities: Rethuil & Cuise-la-Motte; 1865-DescrCoqFoss: 185, synonymized with *Cerithium subacutum* d'Orbigny, 1850b (d'Orbigny 1850b: 318, no. 385), a replacement name, with d'Orbigny crediting it to Deshayes, perhaps by accident. — Type age: Eocene (Ypresian). — Current status: *Vicinocerithium subacutum* (d'Orbigny, 1850) (Pacaud 2007: 32; Harzhauser *et al.* 2013: 185).

*aequistriatum*, *Cerithium* – Deshayes, 1865-DescrCoqFoss: 131. Replacement name for *Cerithium striatum* Deshayes, 1833 (see below), *non* Bruguière, 1792, *nec* I. Lea, 1833. *Granulolabium* (*Tiaracerithium*) *thiarella* [Deshayes, 1833] *aequistriatum* (Deshayes, 1864) (Le Renard & Pacaud 1995: 106). *Granulolabium* (*Tiaracerithium*)



*aequistriatum* (Deshayes, 1864) (Pacaud 2008: 47). — Current status: Synonym of *Granulolabium* (*Tiaracerithium*) *propinquum* (Deshayes, 1833) (Pacaud 2019: 110).

*auriculatum*, *Cerithium*. See below under: *spectabile*, *Cerithium*.

*bianconii*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 78, pl. 78, fig. 17; 1865-*DescrCoqFoss*: 186. — Type localities: Brimont & Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32732, syntypes. *Batillaria* (*Vicinocerithium*) *goniophora* [Deshayes, 1864] *bianconii* (Deshayes, 1864) (Le Renard & Pacaud 1995: 111). — Current status: *Vicinocerithium goniophorum bianconii* (Deshayes, 1864) (Pacaud herein).

*biserialis*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 351, 24, pl. 43, figs 19-20, pl. 48, figs 28, pl. 52, figs 6-7 [figs on pl. 43 not listed in text]; 1837-*DescrCoqFoss*: 812 [correction in fig. refs. noted], *non* Grateloup, 1832; 1865-*DescrCoqFoss*: 189. — Type localities: Retheuil & Cuise-la-Motte. — Type age: Eocene (Ypresian). *Batillaria* (*Vicinocerithium*) *biserialis* (Deshayes, 1833) (Le Renard & Pacaud 1995: 111). — Current status: *Vicinocerithium vynckei* Pacaud, 2019 (Pacaud 2019: 110-111), replacement name.

*bouei*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 349-350, 28, pl. 52, figs 9-11; 1865-*DescrCoqFoss*: 186, *Cerithium coronatum* Deshayes, 1833, added as a synonym. — Type localities: Senlis, Ermenonville & Valmondois. — Type age: Eocene (Bartonian). *Batillaria* (*Vicinocerithium*) *bouei* (Deshayes, 1833) (Le Renard & Pacaud 1995: 111). Senior synonym of *Vicinocerithium parallelum* E. Wood, 1910, type species of *Vicinocerithium* E. Wood, 1910 (Pacaud 2019: 110). — Current status: *Vicinocerithium bouei* (Deshayes, 1833) (Pacaud 2008: 46).

*bruguieri*, *Cerithium* – see under *separatum*, *Cerithium* below.

*clandestinum*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 76 [including var. *tuberculosa*, in pl. expl., not in text], pl. 76, figs 8-13; 1865-*DescrCoqFoss*: 187. — Type localities: Auvers-sur-Oise, Caumont, Montigny-en-Vexin, Ermenonville, Ver-sur-Launette, Lizy-sur-Ourcq & Le Guépelle. — Type age: Eocene (Bartonian). *Batillaria* (*Vicinocerithium*) *bouei* [Deshayes, 1833] *clandestina* (Deshayes, 1864) (Le Renard & Pacaud 1995: 111). — Current status: *Vicinocerithium bouei clandestinum* (Deshayes, 1864) (Pacaud herein).

*constrictum*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 77, pl. 77, fig. 11; 1865-*DescrCoqFoss*: 185; 666, 667 [name changed to *Cerithium falconeri*, presumably because he had already used *Cerithium constrictum* for something else in 1833 [Potamididae]; also mentioned in 1865-*DescrCoqFoss*: 199]. — Type localities: Brimont & Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). — Current status: synonym of *Vicinocerithium goniophorum* (Deshayes, 1864) (Pacaud herein).

*coronatum*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 350-351, 28, pl. 52, figs 12-13, *non* Bruguère, 1792; 1865-*DescrCoqFoss*: 186-187, synonymized with *Cerithium bouei* Deshayes, 1833. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Current status: *Vicinocerithium bouei* (Deshayes, 1833) (Pacaud 2008: 46).

*creniferum*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 354, 29, pl. 53, figs 3-5; 1865-*DescrCoqFoss*: 133-134. — Type locality: Aumont. — Type age: Eocene (Bartonian). *Batillaria* (*Vicinocerithium*) *pleurotomoides* [Lamarck, 1804] *crenifera* (Deshayes, 1833) (Le Renard & Pacaud 1995: 106). — Current status: *Vicinocerithium pleutotomoides creniferum* (Deshayes, 1833) (Pacaud herein).

*cuspidatum*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 373-374, 31, pl. 57, figs 8-10; 1865-*DescrCoqFoss*: 197-198. — Type locality: Beynes. — Type age: Eocene (Lutetian). — Current status: synonym of *Granulolabium* (*Granulolabium*) *multinodosum* (Deshayes, 1833) (Pacaud 2019: 110).

*falconeri*, *Cerithium* – see above under *constrictum*, *Cerithium*.

*fischeri*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 82, pl. 82, fig. 36; 1865-*DescrCoqFoss*: 155-156. — Type locality: Oger. — Type age: Eocene (Ypresian). *Batillaria* (*Vicinocerithium*) *fischeri* (Deshayes, 1864) (Le Renard & Pacaud 1995: 111). — Current status: *Vicinocerithium fischeri* (Deshayes, 1864) (Pacaud herein).

*goniophorum*, *Cerithium* – Deshayes, 1858: 553, *nomen nudum*. 1864-*DescrCoqFoss*: 77, pl. 77, fig. 14; 1865-*DescrCoqFoss*: 154. — Type localities: Brimont, Châlons-sur-Vesle, Gueux & Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32725, syntypes. *Batillaria* (*Vicinocerithium*) *goniophora* (Deshayes, 1864) (Le Renard & Pacaud 1995: 111). — Current status: *Vicinocerithium goniophorum* (Deshayes, 1864) (Leroy *et al.* 2014: 24, pl. 19, figs 10-11).

*inopinatum*, *Cerithium* – Deshayes, 1858: 553, as *Melania opinata*, *nomen nudum*. 1864-*DescrCoqFoss*: 82, pl. 82, fig. 32; 1865-*DescrCoqFoss*: 191. — Type locality: Meudon. — Type age: Paleocene (Danian). — Type material: MNHN.F.J05289, J05290, syntypes. *Batillaria* (*Vicinocerithium*) *inopinata* (Deshayes, 1864) (Le Renard & Pacaud 1995: 111). — Current status: *Vicinocerithium inopinatum* (Deshayes, 1864) (Pacaud 2018b: 28).

*lineolatum*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 343-344, 28, pl. 52, figs 4-5; 1865-*DescrCoqFoss*: 192-193, as a synonym of *Cerithium echidnoides* Lamarck, 1804. — Type localities: Mary-sur-Marne & Tancrou. — Type age: Eocene (Bartonian). *Batillaria* (*Vicinocerithium*) *pleurotomoides* [Lamarck, 1804] *lineolata* (Deshayes, 1833) (Le Renard & Pacaud 1995: 111). — Current status: *Vicinocerithium pleutotomoides lineolatum* (Deshayes, 1833) (Pacaud herein).

*multilineatum*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 80, pl. 80, fig. 17; 1865-*DescrCoqFoss*: 198-199. — Type locality: Jeurre. — Type age: Oligocene (Rupelian). — Type material: UCBL-EM 32743, syntype. Synonym of *Cerithium enodosum* Sandberger, 1858 (Cossmann 1894: 320). — Current status: synonym of *Granulolabium* (*Granulolabium*) *plicatum* (Bruguère, 1792) (Pacaud herein).

*multinodosum*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 357, 29, pl. 53, figs 16-18; 1865-*DescrCoqFoss*: 134. — Type localities: Beynes & Thiverval-Grignon. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32282, syntype from Beynes. — Current status: *Granulolabium* (*Granulolabium*) *multinodosum* (Deshayes, 1833) (Le Renard & Pacaud 1995: 110; Pacaud 2008: 47; Pacaud 2019: 110).

*neglectum*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 386, 30, pl. 56, figs 1-2; 1865-*DescrCoqFoss*: 179. — Type localities: Beynes & Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: synonym of *Granulolabium* (*Granulolabium*) *multinodosum* (Deshayes, 1833) (Pacaud 2019: 110).

*nodulare*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 82, as *Cerithium "trinodosum"*, pl. 82, figs 37-38; 1865-*DescrCoqFoss*: 190, 667 [error in pl. expl. noted]. — Type localities: Mary-sur-Marne. — Type age: Eocene (Bartonian). *Batillaria* (*Vicinocerithium*) *nodularis* (Deshayes, 1864) (Le Renard & Pacaud 1995: 111). — Current status: *Vicinocerithium nodulare* (Deshayes, 1864) (Pacaud herein).

*prevosti*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 348-349, 25, pl. 46, figs 16-17, 20-22; 1865-*DescrCoqFoss*: 193-194. — Type localities: Ferme de l'Orme, Thiverval-Grignon & Beynes. — Type age: Eocene (Lutetian). *Batillaria* (*Vicinocerithium*) *prevosti* (Deshayes, 1833) (Le Renard & Pacaud 1995: 111). — Current status: *Vicinocerithium prevosti* (Deshayes, 1833) (Pacaud 2008: 46; Courville *et al.* 2012: 62-63, pl. 4, fig. 11).

*opinata*, *Melania* – see: *inopinatum*, *Cerithium* above.

*propinquum*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 321-322, 23, pl. 41, figs 14-16; 1865-*DescrCoqFoss*: 132, as a synonym of *Cerithium thiarella* Deshayes, 1833. — Type localities: Acy-en-Multien & Betz. — Type age: Eocene (Bartonian). — Current status: *Granulolabium (Tiaracerithium) propinquum* (Deshayes, 1833) (Pacaud 2019: 110).

*rugatum*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 76, pl. 76, figs 2-4; 1865-*DescrCoqFoss*: 188-189. — Type locality: Cunières. — Type age: Eocene (Lutetian). *Batillaria (Vicinocerithium) rugata* (Deshayes, 1864) (Le Renard & Pacaud 1995: 111). — Current status: *Vicinocerithium rugatum* (Deshayes, 1833) (Pacaud 2008: 46).

*rusticum*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 342-343, 25, pl. 46, figs 3-4; 1865-*DescrCoqFoss*: 189, as a synonym of *Cerithium concavum* (J. Sowerby, 1822) [*Potamides*]. — Type localities: Levemont & Monneville. — Type age: Eocene (Bartonian). *Batillaria (Vicinocerithium) pleurotomoides* [Lamarck, 1804] *rustica* (Deshayes, 1833) (Le Renard & Pacaud 1995: 111). — Current status: synonym of *Vicinocerithium pleurotomoides* (Lamarck, 1804) [*Cerithium*] (Pacaud herein).

*separatum*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 82, as *Cerithium “bruguieri”*, pl. 82, fig. 26; 1865-*DescrCoqFoss*: 188; 667 [error in pl. expl. noted]. — Type locality: Auvers-sur-Oise. — Type age: Eocene (Bartonian). — Type material: MNHN.F.J03345, holotype. *Batillaria (Vicinocerithium) separata* (Deshayes, 1864) (Le Renard & Pacaud 1995: 111). — Current status: *Vicinocerithium separatum* (Deshayes, 1864) (Pacaud herein).

*sowerbyi*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 352-353, 29, pl. 53, figs 8-9; 1865-*DescrCoqFoss*: 188. — Type locality: Valmondois. — Type age: Eocene (Bartonian). *Batillaria (Vicinocerithium) bouei* [Deshayes, 1833] *sowerbyi* (Deshayes, 1833) (Le Renard & Pacaud 1995: 111). — Current status: *Vicinocerithium sowerbyi* (Deshayes, 1833) (Pacaud herein).

*spectabile*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 82, as *Cerithium “auriculatum”*, pl. 82, figs 28-29; 1865-*DescrCoqFoss*: 147, 667 [error in pl. expl. noted]. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Pyrasus spectabilis* (Deshayes, 1864) (Le Renard & Pacaud 1995: 111).

*stephanophorum*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 352, 29, pl. 53, figs 1-2, 7; 1865-*DescrCoqFoss*: 133. — Type locality: Rethuil. — Type age: Eocene (Ypresian). *Batillaria (Vicinocerithium) stephanophora* (Deshayes, 1833) (Le Renard & Pacaud 1995: 106). — Current status: *Vicinocerithium stephanophorum* (Deshayes, 1833) (Pacaud herein).

*striatum*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 312-313, 23, pl. 41, figs 8-9, *ex* DeFrance ms, *non* Bruguière, 1792, *nec* I. Lea, 1833. — Type locality: Valmondois. — Type age: Eocene (Bartonian). All preoccupy *Cerithium striatum* Hombron & Jacquinot, 1848. — Current status: synonym of *Granulolabium (Tiaracerithium) propinquum* (Deshayes, 1833) (Pacaud 2019: 110).

*subcanaliculatum*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 353-354, 29, pl. 53, figs 10-13 [fig. 6 listed in text, but that was another species; 1837-*DescrCoqFoss*: 812, correction made]. — Type localities: Senlis & Ermenonville. — Type age: Eocene (Bartonian). *Batillaria (Vicinocerithium) bicarinata* [Lamarck, 1804] *subcanaliculatum* (Deshayes, 1864) (Le Renard & Pacaud 1995: 111). — Current status: synonym of *Vicinocerithium bicarinatum* (Lamarck, 1804) [*Cerithium*] (Pacaud herein).

*trinodosum*, *Cerithium* – see: *nodulare*, *Cerithium* above.

*tuberculosa*, *Cerithium clandestinum* – Deshayes, 1864-*DescrCoqFoss*: 76, pl. 76, figs 11-13, *non* Lamarck, 1804. — Type locality: none given. — Type age: Eocene (Bartonian). — Current status:

synonym of *Vicinocerithium bouei* [Deshayes, 1833] *clandestinum* (Deshayes, 1864) (Pacaud herein).

*turbinatum*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 405-406, 32, pl. 60, figs 12-13, *non* (Brocchi, 1814) [*Murex*]; 1865-*DescrCoqFoss*: 184, renamed as *Cerithium turbinoides* (see below). — Type locality: somewhere in the Paris basin. — Type age: Eocene (Ypresian).

*turbinoides*, *Cerithium* – Deshayes, 1865-*DescrCoqFoss*: 184. Replacement name for *Cerithium turbinatum* Deshayes, 1833 (above), *non* Brocchi, 1814 [*Murex*]. *Batillaria (Vicinocerithium) turbinoides* (Deshayes, 1864) (Le Renard & Pacaud 1995: 111). — Current status: *Vicinocerithium turbinoides* (Deshayes, 1864) (Pacaud herein).

*turritella*, *Cerithium* – Deshayes, 1835a: 322, *non* J. de C. Sowerby, 1832. *Nomen nudum* in synonymy of *Cerithium pictum* Basterot, 1825, now *Tiaracerithium pictum* (Basterot, 1825) (Harzhauser *et al.* 2023a: 144-145, 215).

#### Family DIASTOMATIDAE Cossmann, 1894

*Diastoma* – Deshayes, 1850-*TraitElem*: 46, pl. 74. — Type species (M): *Diastoma costellata* (Lamarck, 1804) [*Melania*]. — Current status: valid type genus of Diastomatidae Cossmann, 1894.

*Keilostoma* – Deshayes, 1850-*TraitElem*: 60, 46, pl. 74, figs 6-7 [*“non”* *Ceilstoma* Fitzinger, 1833, which is not a senior homonym; unnecessarily renamed *Paryphostoma* Bayan, 1873a: 93]. Deshayes' genus was misspelled as *Chilostoma* by S. P. Woodward (1851: 131; 1854: [2]; 1856: 413). — Type species (M): *Melania marginata* Lamarck, 1804. France. — Type age: Eocene. — Current status: valid genus.

*Pterostoma* – Deshayes, 1861-*DescrCoqFoss*: 428-429, *non* Germar, 1812 [Lepidoptera], *nec* Rafinesque, 1814 [Coelenterata]. — Type species (M): *Pterostoma tuba* Deshayes, 1861. — Current status: *Teleostoma* G. F. Harris & Burrows, 1891, replacement name and valid genus.

*eximia*, *Keilostoma* – Deshayes, 1861-*DescrCoqFoss*: 426, 25, 25, pl. 25, figs 14-16 [in text as figs 11-14]; 1865-*DescrCoqFoss*: 665 [correction made]. — Type locality: Caumont. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32489, syntypes. — Current status: *Keilostoma eximium* Deshayes, 1861 (Le Renard & Pacaud 1995: 100).

*grignonense*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 77, pl. 77, figs 5-7; 1865-*DescrCoqFoss*: 212-213. — Type localities: Thiverval-Grignon & Maule. — Type age: Eocene (Lutetian). — Type material: MNHN.F.J04175, syntype. — Current status: synonym of *Teleostoma bacillum* (Lamarck, 1804) (Pacaud herein).

*incompleta*, *Keilostoma* – Deshayes, 1861-*DescrCoqFoss*: 427, 25, pl. 25, figs 11-13 [n text as figs 15-17]; 1865-*DescrCoqFoss*: 665 [correction made]. — Type locality: Hérouval. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32488, 2 syntypes. — Current status: *Dialopsis incompleta* (Deshayes, 1861) (Le Renard & Pacaud 1995: 99).

*inermis*, *Diastoma* – Deshayes, 1861-*DescrCoqFoss*: 415, 25, pl. 25, figs 8-10. — Type localities: Hérouval & Chemin d'Angy at Thury (Oise). — Type age: Eocene (Lutetian). — Current status: *Diastoma inerme* Deshayes, 1861 (Le Renard & Pacaud 1995: 107; Pacaud 2008: 47).

*interrupta*, *Diastoma* – Deshayes, 1861-*DescrCoqFoss*: 414-415, 25, pl. 25, figs 5-7. — Type localities: Auvers-sur-Oise, Valmondois, Crouy, La Ferté-sous-Jouarre, Chéry-Chartreuve, Ver-sur-Launette & Ermenonville. — Type age: Eocene (Bartonian). — Current status: *Diastoma interrupta* Deshayes, 1861 (Le Renard & Pacaud 1995: 107).



*minor*, *Keilostoma* – Deshayes, 1861-*DescrCoqFoss*: 425. Based on 1<sup>st</sup> edition, p. 114, pl. 15, figs 3-4. — Type localities: Aizy-Jouy, Sermoise, Hérouval, Cuise-la-Motte, Laon, Cuisy-en-Almont, Thiverval-Grignon, Parnes, Montmirail, Chaumont-en-Vexin, Gomerfontaine, Mouchy-le-Châtel, Saint-Thomas, Chambors, Hermonville, Cumières, Damery, Fleury-la-Rivière & Boursault. — Type age: Eocene (Ypresian-Lutetian). Rouge-Cloître & Affligem, Belgium. *Keilostoma minus* Deshayes, 1861 (Le Renard & Pacaud 1995: 100). — Current status: synonym of *Keilostoma submarginatum* (d’Orbigny, 1850) [*Cerithium*] (Pacaud 2007: 32, as *K. “minus”*; Pacaud 2008: 47).

*minuta*, *Keilostoma* – Deshayes, 1861-*DescrCoqFoss*: 426-427, 25, pl. 25, figs 17-19 [in text as figs 18-20]; 1865-*DescrCoqFoss*: 665 [correction made]. — Type localities: Hermonville & Saint-Thomas. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32490, syntype from Hermonville. — Current status: *Chevallieria minuta* (Deshayes, 1861) (Le Renard & Pacaud 1995: 100).

*plicatula*, *Melania* – Deshayes, 1825-*DescrCoqFoss*: 115, 7, pl. 14, figs 5-6; 1832-*EncyMeth*: 431. — Type locality: Abbecourt. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32147, syntype. 1861-*DescrCoqFoss*: 426, as *Keilostoma*. Preoccupies *Melania plicatula* I. Lea, 1841, which was renamed *Melania deshayesiana* I. Lea, 1843, which in turn preoccupies *Melania deshayesiana* Reeve, 1860, but both are synonyms of *Elimia laqueata* (Say, 1829) [*Melania*] [Pleuroceridae]. — Current status: *Keilostoma plicatum* (Deshayes, 1825) (Le Renard & Pacaud 1995: 100).

*semistriata*, *Turritella* – Deshayes, 1832-*DescrCoqFoss*: 282, 22, pl. 40, figs 22-24; 1843-*HistNatAnim2*: 274; 1843-*HistNatAnim3*: 598. 1861-*DescrCoqFoss*: 329, as *Turritella (Mesalia)*. — Type locality: Berchère-sur-Vesgre. — Type age: Eocene (Lutetian). — Type species (OD) of *Dialopsis* Cossmann, 1888. — Current status: *Dialopsis semistriata* (Deshayes, 1832) (Le Renard & Pacaud 1995: 99; Pacaud 2008: 47).

*tuba*, *Pterostoma* – Deshayes, 1861-*DescrCoqFoss*: 429, 25, pl. 25, figs 20-22 [in text as figs 21-24]; 1865-*DescrCoqFoss*: 665 [correction made]. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Type species (typification of replaced name) of *Teleostoma* G. F. Harris & Burrows, 1891. — Current status: *Teleostoma tuba* (Deshayes, 1861) (Pacaud 2008: 47).

*variculosa*, *Diastoma* – Deshayes, 1861-*DescrCoqFoss*: 414, 25, pl. 25, figs 2-4. — Type localities: Aizy-Jouy, Cuise-la-Motte, Laversine, Laon, Mons-en-Laonnais, Retheuil, Cuisy-en-Almont & Hérouval. — Type age: Eocene (Ypresian). — Current status: *Diastoma variculosa* Deshayes, 1861 (Le Renard & Pacaud 1995: 107).

#### Family HEMISINIDAE P. Fischer & Crosse, 1891

*resectum*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 33, pl. 61, figs 23-24; 1834-*DescrCoqFoss*: 428-429, *non* Basterot, 1825 (Basterot 1825: 58), *ex* DeFrance ms; 1865-*DescrCoqFoss*: 233. — Type localities: Retheuil & Cuise-la-Motte. — Type age: Eocene (Ypresian). UCBL-EM 32835, 7 syntypes. *Hemisinus resectus* (Deshayes, 1833) (Le Renard & Pacaud 1995: 102). — Current status: synonym of *Hemisinus cerithiformis* (Watelet, 1851) (Pacaud 2019: 105-106), because of primary homonymy.

*suessoniense*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 78, pl. 78, fig. 5; 1865-*DescrCoqFoss*: 234. — Type locality: Mercin-et-Vaux. — Type age: Eocene (Ypresian). — Current status: synonym of *Hemisinus cerithiformis* (Watelet, 1851) (Pacaud 2019: 106), as Deshayes had suggested.

*taeniolatum*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 78, pl. 78, fig. 21; 1865-*DescrCoqFoss*: 233. — Type locality: Mercin-et-Vaux. — Type age: Eocene (Ypresian). — Current status: synonym of *Hemisinus cerithiformis* (Watelet, 1851) (Pacaud 2019: 106), as Deshayes had suggested.

*tympanorum*, *Melania* – Deshayes, 1832-*EncyMeth*: 426-427; 1838-*HistNatAnim2*: 501; 1843-*HistNatAnim3*: 448, both as *Melania “tympanotonos”* and in synonymy of *Pirena aurita* “Lamarck, 1822”, actually *Nerita aurita* O. F. Müller, 1774. Senégambia [West Africa], rivers. — Type age: Recent. — Current status: synonym of *Pachymelania aurita* (O. F. Müller, 1774).

#### Family LITIOPIDAE J. E. Gray, 1847

*Buccinopsis* – Deshayes, 1865-*DescrCoqFoss*: 93, pl. 93, figs 21-23, 29-32, *non* Conrad, 1857. Only two taxa were associated with this name that appeared only in the plate explanation: one is a *nomen dubium* that remains in Buccinidae; the other is a *Litiopa*. — Type species (SD herein): *Truncaria insolita* Deshayes, 1865, effectively fixing this junior homonym as a synonym of *Litiopa* Rang, 1829.

*insolita*, *Truncaria* – Deshayes, 1865-*DescrCoqFoss*: 512, 93, as *Buccinopsis sulcatus*, pl. 93, figs 21-23; 667 [error in pl. expl. noted]. — Type locality: Laon. — Type age: Eocene (Ypresian). — Current status: *Litiopa insolita* (Deshayes, 1865) (Le Renard & Pacaud 1995: 95).

*sulcatus*, *Buccinopsis* – see entry above.

#### Family MELANOPSIDAE H. Adams & A. Adams, 1854

*ancillaroides*, *Melanopsis* – Deshayes, 1825-*DescrCoqFoss*: 121-122, 8, pl. 15, figs 1-2; 1826-*DictClass10*: 324; 1832-*EncyMeth*: 434; 1838-*HistNatAnim2*: 497; 1843-*HistNatAnim3*: 446; 1862-*DescrCoqFoss*: 469. — Type locality: Near Meaux. — Type age: Eocene (Ypresian). — Current status: *Melanopsis ancillaroides* Deshayes, 1825 (Le Renard & Pacaud 1995: 103; Dominici & Kowalke 2014: 148, pl. 2, fig. 6).

*audebardi*, *Melanopsis* – Deshayes, 1851-*HistNatTerrFluv*: 22, Foss. pl. 4, fig. 6. Incorrect subsequent spelling of *Melanopsis daudebartii* Prévost, 1821.

*longa*, *Melanopsis nodosa* – Deshayes, 1839-*HistNatTerrFluv*: altered caption to Férussac’s *Mélanopsides fossiles*, pl. 2, which became *Fossiles* pl. 4; 1851-*HistNatTerrFluv*: 22, Foss. pl. 4, fig. 8. — Type locality: Athens, Greece. — Type age: Eocene (Ypresian). Late Miocene (Neubauer 2016: 20, 21, 171). — Current status: *Melanopsis longa* Deshayes, 1839 (Wenz 1929: 2772).

*obtus*, *Melanopsis* – Deshayes, 1825-*DescrCoqFoss*: 123-124, 7, pl. 14, figs 22-23; 1832-*EncyMeth*: 435. 1838-*HistNatAnim2*: 497-498; 1843-*HistNatAnim3*: 447; 1862-*DescrCoqFoss*: 468, as *Melanopsis (Leptoxis)*. — Type locality: Retheuil. — Type age: Eocene (Ypresian). — Current status: *Coptostylus obtusus* (Deshayes, 1825) (Le Renard & Pacaud 1995: 102; Pacaud et al. 2021: 11, fig. 5).

*ovularis*, *Melanopsis* – Deshayes in Watelet, 1853: 23, pl. 2, figs 18-19; 1862-*DescrCoqFoss*: 470-471, 31, pl. 31, figs 16-17. — Type locality: Mercin-et-Vaux. — Type age: Eocene (Ypresian). — Type material: MNHN.F.A71819, syntype. — Current status: *Melanopsis ovularis* Deshayes in Watelet, 1853 (Le Renard & Pacaud 1995: 103).

*parkinsoni*, *Melanopsis* – Deshayes, 1825-*DescrCoqFoss*: 123, 11, pl. 17, figs 3-4; 1832-*EncyMeth*: 434-435; 1838-*HistNatAnim2*: 497; 1843-*HistNatAnim3*: 446-447; 1862-*DescrCoqFoss*: 468, as *Melanopsis (Leptoxis)*. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32159, syn-

types. — Type species (SD Wenz, 1929) of *Coptostylus* Sandberger, 1870. — Current status: synonym of *Coptostylus albidus* (Lamarck, 1804) [*Bulimus*] (Wenz 1929: 2566).

*proboscidea*, *Melanopsis* – Deshayes, 1862-*DescrCoqFoss*: 471, 31, pl. 31, figs 18-24, as “*proboscideusi*”. — Type locality: Chéry-Charreuve. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32506 and 32507, syntypes. — Type species (SD Cossmann, 1909) of *Macrospira* Sandberger, 1872, *non* Guilding, in Swainson, 1840. *Stilospirula* Rovereto, 1899, replacement name. — Current status: *Stilospirula proboscidea* (Deshayes, 1862) (Le Renard & Pacaud 1995: 102; Pacaud 2019: 114).

*sodalis*, *Melanopsis* – Deshayes, 1862-*DescrCoqFoss*: 470, 31, pl. 31, figs 14-15. — Type locality: Châlons-sur-Vesle, Gueux, Jonchery-sur-Vesle & Noailles. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32504, syntype from Jonchery-sur-Vesle. — Current status: *Melanopsis sodalis* Deshayes, 1862 (Le Renard & Pacaud 1995: 103; Leroy *et al.* 2014: 24, pl. 20, fig. 1a-b).

*subcarinata*, *Melanopsis* – Deshayes, 1839-*HistNatTerrFluv*: altered caption to Férussac's *Mélanopsides* fossiles, pl. 2, which became Fossiles pl. 4; 1851-*HistNatTerrFluv*: 22, Foss. pl. 4, fig. 3. — Type locality: between San Gemini & Carsoli, Italy. — Type age: Pleistocene, Late Villafranchian (Neubauer 2016: 20, 21, 282). — Current status: *Melanopsis subcarinata* Deshayes, 1839 (Wenz 1929: 2837).



*buccinulum*, *Melanopsis* – Deshayes, 1862-*DescrCoqFoss*: 469, 31, pl. 31, figs 11-13. Made available by Melleville 1843: 95 [49, 83], pl. 4, fig. 23-15. — Type locality: Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). — Current status: *Melanopsis buccinulum* Melleville, 1843 (Le Renard & Pacaud 1995: 103).

#### Family MODULIDAE P. Fischer, 1884

*parisiensis*, *Monodonta* – Deshayes, 1832-*DescrCoqFoss*: 248-249, 18, pl. 32, figs 8-9; 1843-*HistNatAnim2*: 183-184; 1843-*HistNatAnim3*: 567. 1864-*DescrCoqFoss*: 956, as *Trochus*. — Type localities: Valmondois & Mary-sur-Marne. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32222, syntype. — Type species (OD) of *Incisilabium* Cossmann, 1918. *Monodonta (Incisilabium) parisiensis* (Deshayes, 1832) (Le Renard & Pacaud 1995: 88). — Current status: *Incisilabium parisiensis* (Deshayes, 1832) (Lozouet & Krygelmans 2016: 195, fig. 2f; Lozouet *et al.* 2020: 131, pl. 3, figs 5-9).

#### Family PACHYCHILIDAE P. Fischer & Crosse, 1892

*cuvieri*, *Melania* – Deshayes, 1824-*DescrCoqFoss*: 6, pl. 12, figs 1-2, 1825-*DescrCoqFoss*: 104; 1832-*EncyMeth*: 423; 1838-*HistNatAnim2*: 458; 1843-*HistNatAnim3*: 432; 1862-*DescrCoqFoss*: 450-451. — Type localities: Chaumont-en-Vexin & le Soissonnais. — Type age: Eocene (Ypresian-Lutetian). — Type material: UCBL-EM32144, syntypes. *Melanatria cuvieri* (Deshayes, 1824) (Le Renard & Pacaud 1995: 102; Pacaud 2008: 47). — Type species (OD) of *Jponisia* Pacaud & Harzhauser, 2012. — Current status: *Jponisia cuvieri* (Deshayes, 1824) (Pacaud & Harzhauser 2012: 110-113, pl. 1, figs 1-6, pl. 7; Pacaud 2019: 114; Pacaud & Goret 2021: pl. 1, fig. 6-7).

*dispar*, *Melanopsis (Pirena)* – Deshayes, 1862-*DescrCoqFoss*: 473, 31, as just *Pirena*, pl. 31, figs 29-30. — Type locality: Brasles. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32509, holotype. — Current status: *Faunus dispar* (Deshayes, 1862) (Pacaud 2008: 47).

*dufresnii*, *Melanopsis* – Deshayes, 1824-*DescrCoqFoss*: 6, pl. 12, figs 3-4; 1825-*DescrCoqFoss*: 120; 1826-*DictClass10*: 324; 1832-*EncyMeth*: 433; 1838-*HistNatAnim2*: 498; 1843-*HistNatAnim3*: 447; 1862-*DescrCoqFoss*: 473-474, as *Melanopsis (Pirena)*. — Type locality: Cuise-la-Motte near Soissons. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32140, syntype. *Pseudobellardia dufresnii* (Deshayes, 1824) (Le Renard & Pacaud 1995: 102). — Current status: *Jponisia dufresnii* (Deshayes, 1824) (Pacaud & Harzhauser 2012: 113-114, pl. 1, figs 7-8).

*dutemplei*, *Melanopsis (Pirena)* – Deshayes, 1862-*DescrCoqFoss*: 472-473, 31, as just *Pirena*, pl. 31, fig. 31. — Type localities: Saran, Cramant & Damery. — Type age: Eocene (Ypresian). — Current status: *Faunus dutemplei* (Deshayes, 1862) (Pacaud 2019: 106).

*geslini*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 367-368, 24, pl. 43, figs 17-18; 1862-*DescrCoqFoss*: 451, as *Melania*. — Type localities: Retheuil & Cuise-la-Motte. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 30541, syntypes from Cuise-la-Motte; -EM 30542, syntype from Retheuil. *Melanatria geslini* (Deshayes, 1833) (Le Renard & Pacaud 1995: 102). — Current status: *Jponisia geslini* (Deshayes, 1833) (Pacaud & Harzhauser 2012: 114-116, pl. 5, figs 1-5; Pacaud 2019: 115, pl. 2, figs 6-7; Pacaud & Goret 2021: 12, pl. 1, fig. 5).

*jullieni*, *Melania* – Deshayes in Deshayes & Jullien, 1876: 143-145, 160, pl. 7, figs 7-9, *non* Brot, 1875. — Type locality: Rio-Compilh, near Somboc, Cambodia, sand. — Type age: Recent. — Type material: MNHN-IM-2000-36468, lectotype; MNHN-IM-2000-36469, 8 syntypes. — Current status: synonym of *Brotia costula* (Rafinesque, 1833) (Köhler & Glaubrecht 2001: 295-299, as “Deshayes & Jullien”).

*lamarckii*, *Melanopsis (Pirena)* – Deshayes, 1862-*DescrCoqFoss*: 472, 31, as just *Pirena*, pl. 31, figs 25-26. — Type locality: Damery. — Type age: Eocene (Lutetian). — Current status: *Faunus lamarckii* (Deshayes, 1862) (Le Renard & Pacaud 1995: 102; Pacaud 2008: 47, as “*lamarcki*”).

*ornata*, *Melanopsis (Pirena)* – Deshayes, 1862-*DescrCoqFoss*: 474, 31, as just *Pirena*, pl. 31, figs 27-28. — Type locality: Sinceny. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32508, syntypes. — Type species (OD) of *Eginea* Pacaud & Harzhauser, 2012 (Pacaud & Harzhauser 2012: 124-125, pl. 8, figs 5-7). — Current status: *Eginea ornata* (Deshayes, 1862) (Pacaud & Harzhauser 2012: 124-125, pl. 8, figs 5-7; Pacaud & Goret 2021: pl. 1, fig. 3-4).

*praecessa*, *Melania* – Deshayes, 1861-*DescrCoqFoss*: pl. 23, figs 31-32; 1862-*DescrCoqFoss*: 452. — Type localities: Jonchery-sur-Vesle, Gueux & Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32481, syntypes from Châlons-sur-Vesle. *Brotia (Tinnyea) praecessa* (Deshayes, 1861) (Le Renard & Pacaud 1995: 102). — Current status: *Tinnyea praecessa* (Deshayes, 1861) (Leroy *et al.* 2014: 24, pl. 19, figs 15-17).

*pyramidatum*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 368, 31, pl. 57, fig. 7; 1865-*DescrCoqFoss*: 147. — Type localities: Retheuil & Cuise-la-Motte. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32290, lectotype (Pacaud 2019) from Cuise-la-Motte; -EM 33337, paralectotype from Retheuil. Preoccupies *Cerithium pyramidatum* Hombron & Jacquinot, 1852, which was renamed *Cerithium proditum* Bayle, 1880, but now considered a synonym of *Cerithium munitum* G. B. Sowerby II, 1855 [Cerithiidae]. *Pyrazus pyramidatus* (Deshayes, 1833) (Le Renard & Pacaud 1995: 111). — Current status: synonym of *Jponisia geslini* (Deshayes, 1833) (Pacaud 2019: 115, pl. 2, figs 6-7; Pacaud & Lebrun 2020: 21).

*pyreniforme*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 366-367, 24, pl. 43, figs 14-16; 1865-*DescrCoqFoss*: 148, as *Cerithium “pyreniforme”*. — Type locality: Retheuil. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32837, syntypes. *Melanatria pyreniformis* (Deshayes, 1833) (Le Renard & Pacaud 1995: 102). However, *Melanatria* Bowdich, 1822, was an unnecessary replacement name for *Pirena*



Lamarck, 1822, so in this generic placement, it would be *Pirena pyreniformis* (Deshayes, 1833). — Current status: *Moniquia pyreniformis* (Deshayes, 1833) (Pacaud & Harzhauser 2012: 120, pl. 7, figs 1-2).

*spinosum*, *Cerithium* – Deshayes, 1833-DescrCoqFoss: 369, 29, pl. 54, figs 27-28, *non* Bruguière, 1792, *neq* Grateloup, 1832; 1865-DescrCoqFoss: 147-148. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Type material: original material not located; MNHN.F.A25408, neotype (Pacaud 2007). *Cerithium suzanna* d'Orbigny, 1850b (d'Orbigny 1850b: 318, no. 393), replacement name, as *non Pirena spinosa* Lamarck, 1822 (Pacaud 2007: 33, text-fig. 7A-C, who placed it in *Melanatria*). D'Orbigny's species is the type (OD) of *Moniquia* Pacaud & Harzhauser, 2012 (Pacaud & Harzhauser 2012: 118, pl. 6, figs 1-2). — Current status: *Moniquia suzanna* (d'Orbigny, 1850).



*abralatra*, *Melania* – Deshayes, 1849-DictUnivAtlas: 6, pl. 12, figs 1-2 [on pl. caption as *M. abra*; in pl. expl. as *M. atra*]. — Type locality: none given. Sometimes credited to Deshayes, this was evidently intended to represent what was originally described as *Bulimus ater* Bruguière, 1792, from Cayenne, French Guiana, a Recent species now known as *Doryssa atra* (Bruguière, 1792).

*curvicostata*, *Melania* – Deshayes, 1862-DescrCoqFoss: 453, 23, pl. 23, figs 33-35. Not to be confused with the Pliocene *Melania curvicostata* Deshayes, 1835b. Made available by Melleville 1843: 94-95 [48-49, 83], pl. 4, figs 10-12. — Type locality: Ciry-Salsogne. — Type age: Eocene (Ypresian). — Current status: *Faunus curvicostatus* (Melleville, 1843).

*inquinata*, *Melania* – Deshayes, 1831c: [1], pl. 13. — Type locality: Philippine Islands. — Type age: Recent. A Paris Basin species of Defrance (1823b), which Deshayes tentatively recorded as living in the Philippine Islands (Lyell 1833: 56).

#### Family PLANAXIDAE J. E. Gray, 1850

*Quoya* – Deshayes, 1843-HistNatAnim2: 236; 1843-HistNatAnim3: 584. Incorrect subsequent spelling of *Quoyia* J. E. Gray, 1839.

*Quoyia* – Deshayes, 1861-DescrCoqFoss: 380-382, as “Deshayes”, but genus dates from J. E. Gray, 1839, and is now regarded as a synonym of *Fissilabia* MacGillivray, 1836.

Quoyie – Deshayes, 1832-EncyMeth: table between p. 552-553. Unavailable vernacular; later made available as *Quoyia* J. E. Gray, 1839.

#### REMARK

Note that *Quoya* J. E. Gray, 1839, is not to be confused with *Quoya* Labbé, 1934, a synonym of *Peronia* J. Fleming, 1822, in the Onchidiidae (Dayrat et al. 2020: 42).

*antiqua*, *Achatina* – Deshayes, 1863-DescrCoqFoss: 839-840, 53, pl. 53, figs 20-22. — Type locality: Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Current status: *Medoriopsis antiqua* (Deshayes, 1863) (Le Renard & Pacaud 1995: 102; Leroy et al. 2014: 24, pl. 25, fig. 1a-b).

*breviculus*, *Planaxis* – Deshayes, 1844d: 1, pl. 108. — Type locality: none given. — Type age: not stated. Preoccupies *Planaxis breviculus* Cossmann, 1907, which was renamed *Hemisinus hermanni* Le Renard, 1994. — Current status: *Taxon inquirendum* (Pacaud herein).

*buccinoides*, *Planaxis* – Deshayes, 1828-DictClass14: 13; 1843-HistNatAnim2: 237-238; 1843-HistNatAnim3: 585. — Type locality: none given. — Type age: Recent. — Current status: synonym of the Indo-Pacific *Planaxis sulcatus* (Born, 1778) [*Buccinum*] (Wilson 1993: 131, pl. 14, dif. 17).

*bulimoides*, *Lacuna* – Deshayes, 1861-DescrCoqFoss: 369, 17, pl. 17, figs 19-21, 26, as *Lacuna “bulimopsis”*, pl. 26, figs 10-12; 1865-DescrCoqFoss: 665 [spelling on p. 369 intended to be *L. bulimoides*]. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Current status: *Medoriopsis bulimoides* (Deshayes, 1861) (Le Renard & Pacaud 1995: 105; Pacaud 2008: 47).

*bulimopsis*, *Lacuna* – see entry above.

*effusa*, *Lacuna* – Deshayes, 1861-DescrCoqFoss: 368-369, 16, pl. 16, figs 17-19. — Type localities: Thiverval-Grignon & Parnes. — Type age: Eocene (Lutetian). — Type species (OD) of *Medoriopsis* Cossmann, 1888. — Current status: *Medoriopsis effusa* (Deshayes, 1861) (Le Renard & Pacaud 1995: 102; Pacaud 2008: 47).

*grateloupi*, *Quoya* – Deshayes, 1853-TraitElem: 50, pl. 79, figs 5-6. 1861-DescrCoqFoss: 382. — Type locality: Dax. — Type age: Miocene (Deshayes, 1861). — Current status: synonym of *Fissilabia mirabilis* (Grateloup, 1834) (Pacaud herein).

*paludinaeformis*, *Lacuna* – Deshayes, 1861-DescrCoqFoss: 370, 16, pl. 16, figs 20-22. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Medoriopsis paludinaeformis* (Deshayes, 1861) (Le Renard & Pacaud 1995: 105; Pacaud 2008: 47).

*savignyi*, *Planaxis* – Deshayes, 1844d: 2, pl. 109, based on Savigny's figure and additional material from Madagascar. — Type localities: Red Sea & Madagascar. — Type age: Recent. — Type material: MNHN-IM-2000-27771, 3 syntypes (figured by Bouchet & Danrigal 1982: 15, fig. 45). — Current status: *Planaxis savignyi* Deshayes, 1844 (Rusmore-Villaume 2008: 44-45; Cossignani & Ardovini 2011: 15, 158).

#### Family PLEUROCERIDAE P. Fischer, 1885 [1863]

*neritiformis*, *Melanopsis* – Deshayes, 1832-EncyMeth: 438; 1838-HistNatAnim2: 492-493; 1843-HistNatAnim3: 445. — Type locality: Ohio [River]. — Type age: Recent. Listed by Neubauer (2016: 207). — Current status: synonym of *Leptoxis praerosa* (Say, 1821) [*Anculosa*] (Graf 2001: 70).

*sayi*, *Melania* – Deshayes, 1832-EncyMeth: 427. — Type locality: Ohio [River]. — Type age: Recent. — Type material: MNHN-IM-2000-21468, 6 syntypes. — Current status: synonym of *Pleurocera canaliculata* (Say, 1821) [*Melania*] (Graf 2001: 93).

*semigranulosa*, *Melanopsis* – Deshayes, 1832-EncyMeth: 438; 1838-HistNatAnim2: 491; 1843-HistNatAnim3: 444. — Type locality: Ohio [River]. — Type age: Recent. Based on an 1830 figure by Say of his own *Melania nupera* Say, 1829. — Current status: both are synonyms of *Angitrema verrucosa* (Rafinesque, 1820) [*Pleurocera*] (Graf 2001: 73, text and footnote, 94). Listed by Neubauer (2016: 262).

#### Family POTAMIDIDAE H. Adams & A. Adams, 1854

*acus*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 75, pl. 75, figs 19-20; 1865-DescrCoqFoss: 199-200. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). Synonym of *Potamides* (*Potamides*) *tricarinatus* (Lamarck, 1804) [*Cerithium*] (Cossmann 1889: 65). — Current status: *Potamides* (*Potamidopsis*) *tricarinatus* [Lamarck, 1804] *acus* (Deshayes, 1864) (Le Renard & Pacaud 1995: 110).

*acutangulum*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 74, pl. 74, figs 34-36; 1865-DescrCoqFoss: 176, replacement name for *Cerithium marginatum* Caillat, 1835, *non* Bruguière, 1792, *neq*

Deshayes, 1833 (see below). — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32704, syntype. — Current status: *Potamides (Potamides) acutangulus* (Deshayes, 1864) (Le Renard & Pacaud 1995: 109).

*aequatum, Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 77, pl. 77, figs 8-10; 1865-*DescrCoqFoss*: 153-154. — Type localities: Brimont, Châlons-sur-Vesle, Gueux & Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32724, syntypes from Châlons-sur-Vesle. — Current status: *Granulolabium (Granulolabium) aequatum* (Deshayes, 1864) (Le Renard & Pacaud 1995: 110).

*alternans, Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 329, 27, pl. 50, figs 8-9. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). 1865-*DescrCoqFoss*: 128. — Current status: *Tympanotonos (Diptychochilus) alternans* (Deshayes, 1833) (Le Renard & Pacaud 1995: 110).

*antiquum, Cerithium* – see: *contiguum, Cerithium*, below.

*bipartita, Cerithium trochleare* [Lamarck] – Deshayes, 1865-*DescrCoqFoss*: 80, pl. 80, fig. 8 [not in text]. — Type locality: none given. — Type age: Oligocene (Rupelian). Probably the variety *bicarinata* in the text (p. 129). — Current status: synonym of *Potamidopsis trochleare* (Lamarck, 1804) (Pacaud herein).

*blainvillei, Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 320-321, 27, pl. 50, figs 10-12; 1865-*DescrCoqFoss*: 142. — Type localities: Houdan & Mary-sur-Marne. — Type age: Eocene (Lutetian). — Current status: *Terebralia (Gravesicerithium) blainvillei* (Deshayes, 1833) (Le Renard & Pacaud 1995: 106; Pacaud 2008: 47; Tréguier & Pacaud 2018: 207).

*bonardi, Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 416, 27 [as *C. “bonnardi”*], pl. 49, figs 1-5 [fig. 5 not noted cited in text; 1837-*DescrCoqFoss*: 812, correction made]; 1865-*DescrCoqFoss*: 182. — Type localities: Valmondois, Tancrou & Betz. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32276, syntype. *Exechestoma bonardi* (Deshayes, 1833) (Le Renard & Pacaud 1995: 110). *Exechestoma* Cossmann, 1889, was *non* Brandt, 1837 [Cnidaria], and was renamed *Varicipotamides* Pacaud & Harzhauser, 2013. — Current status: *Varicipotamides bonardi* (Deshayes, 1833).

*bonelli, Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 319-320, 27, pl. 50, figs 21-23; 1865-*DescrCoqFoss*: 142-143, as *Cerithium “bonellii”*. — Type localities: Beynes & Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Terebralia (Terebralia) bonelli* (Deshayes, 1833) (Le Renard & Pacaud 1995: 111; Pacaud 2008: 47; Tréguier & Pacaud 2018: 209; Thivaoui *et al.* 2023: 248).

*bonnardi, Cerithium* – see *bonardi, Cerithium* above.

*brimonti, Cerithium* – Deshayes, 1858: 553, *nomen nudum*. 1864-*DescrCoqFoss*: 77, pl. 77, figs 2-4; 1865-*DescrCoqFoss*: 153. — Type localities: Brimont, Châlons-sur-Vesle, Gueux & Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32722, syntype from Châlons-sur-Vesle. — Current status: *Granulolabium (Granulolabium) brimonti* (Deshayes, 1864) (Le Renard & Pacaud 1995: 110).

*brocchii, Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 310, 26 [fig. 24 should be 13, fig. 25 should be 14], pl. 47, figs 13-14, 23, pl. 48, figs 12-14 [fig. 14 on pl. 48 not listed in text] [1837-*DescrCoqFoss*: 812, 814, these corrections made]; 1865-*DescrCoqFoss*: 121-122. — Type localities: Senlis, Valmondois, Tancrou, Acy-en-Multien & Monneville. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32269 & 32274, syntypes from Valmondois. — Current status: synonym of *Serratocerithium tuberculosum* (Lamarck, 1804) (Pacaud herein).

*brongniarti, Cerithium* – Deshayes, 1831b: 259, pl. 1, figs 7-8. — Type locality: none given. — Type age: Oligocene (Rupelian). Preoccupies *Cerithium brongniartii* Michelotti, 1840; *Cerithium brongniartii* Maravigna, 1840; and *Cerithium brongniartii* d'Archiac, 1843. — Current status: synonym of *Potamides lamarckii* (Brongniart, 1810) [*Potamides*] (Pacaud herein), the name used in Deshayes' text (1831b: 201-202), which also incorrectly cited as fig. 9.

*catenatum, Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 419, 32, pl. 59, figs 13-14; 1865-*DescrCoqFoss*: 184. — Type localities: Chambors & Liancourt-Saint-Pierre. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32297, syntype from Liancourt-Saint-Pierre. — Current status: *Potamides (Potamides) catenatus* (Deshayes, 1833) (Le Renard & Pacaud 1995: 109).

*circinatum, Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 77, pl. 77, fig. 27 [in text as pl. 7]; 1865-*DescrCoqFoss*: 125-126, 666 [error corrected]. — Type localities: Brimont & Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32729, syntypes from Brimont. *Tympanotonos (Eotympanotonus) circinatus* (Deshayes, 1864) (Le Renard & Pacaud 1995: 110). — Current status: *Potamides (Eotympanotonus) circinatus* (Deshayes, 1864) (Leroy *et al.* 2014: 24, pl. 19, fig. 12).

*collaterale, Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 413-414, 26, pl. 48, figs 9-11; 1865-*DescrCoqFoss*: 182. — Type locality: Tancrou. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32272, syntypes. *Exechestoma collaterale* (Deshayes, 1833) (Le Renard & Pacaud 1995: 110). *Exechestoma* Cossmann, 1889, proved to be a homonym of Brandt, 1837 [Cnidaria], and was renamed *Varicipotamides* Pacaud & Harzhauser, 2013. — Current status: *Varicipotamides collaterale* (Deshayes, 1833).

*consobrinus, Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 77, pl. 77, figs 19-20; 1865-*DescrCoqFoss*: 151-152. — Type localities: Brimont, Châlons-sur-Vesle, Gueux & Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32727 & 32728, syntypes. — Current status: *Granulolabium (Tiaracerithium) consobrinum* (Deshayes, 1864) (Le Renard & Pacaud 1995: 110).

*contabulatum, Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 76, pl. 76, figs 23-24; 1865-*DescrCoqFoss*: 139-140. — Type locality: Jeurre. — Type age: Oligocene (Rupelian). — Current status: synonym of *Potamidopsis trochleare* (Lamarck, 1804) (Pacaud herein).

*cordieri, Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 338-339, 28, pl. 52, figs 8, 14-15; 1865-*DescrCoqFoss*: 137-138. — Type locality: La Chapelle-en-Serval. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32279, syntypes. — Current status: *Tympanotonos (Eotympanotonus) cordieri* (Deshayes, 1833) (Le Renard & Pacaud 1995: 110).

*constrictum, Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 373, 31, pl. 57, figs 20-22; 1865-*DescrCoqFoss*: 199. — Type locality: Damery. — Type age: Eocene (Lutetian). Deshayes used this same species name in 1865 for another species [Batillariidae]. *Granulolabium (Granulolabium) substriatum* [Lamarck, 1804] *constrictum* (Deshayes, 1833) (Le Renard & Pacaud 1995: 106). — Current status: *Granulolabium (Granulolabium) constrictum* (Deshayes, 1833) (Pacaud 2008: 47).

*contiguum, Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 304-305, 26 [as *C. “antiquum”*], pl. 47, figs 3-6 [figs 5-6 not cited in text]; 1837-*DescrCoqFoss*: 812, 814 [corrections made]. — Type locality: Chambors. — Type age: Eocene (Lutetian). — Current status: *Serratocerithium contiguum* (Deshayes, 1833) (Le Renard & Pacaud 1995: 107; Pacaud 2008: 46).



*crenatulatum*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 317-318, 23, pl. 41, figs 5-6, 19 [fig. 19 not mentioned in text and given in pl. expl. as “6 bis”]; 1837-*DescrCoqFoss*: 812, 813 [corrections noted]; 1865-*DescrCoqFoss*: 133. — Type localities: La Chapelle-en-Serval, Beauchamp, Pierrelaye, Valmondois, Acy-en-Multien & Tancrou. — Type age: Eocene (Bartonian). — Current status: *Granulolabium* (*Tiaracerithium*) *crenatulatum* (Deshayes, 1833) (Le Renard & Pacaud 1995: 106; Pacaud 2008: 47).

*crispum*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 406-407, 32, pl. 59, figs 21-23, *ex* DeFrance ms. — Type localities: Beynes & Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: synonym of *Potamides* (*Potamides*) *tristriatus* (Lamarck, 1822) [*Cerithium*] (Pacaud *herein*).

*curvicostatum*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 311-312, 27, pl. 50, figs 4-5; 1865-*DescrCoqFoss*: 142. — Type locality: Soissonnais. — Type age: Eocene (Lutetian). — Current status: *Terebralia* (*Terebralia*) *curvicostata* (Deshayes, 1833) (Le Renard & Pacaud 1995: 111; Pacaud 2008: 47). However, Thivaïou *et al.* (2023: 252) concluded that “the original illustration and description suggest a placement in another genus,” not in *Terebralia*.

*dameriacence*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 76, pl. 76, figs 5-7; 1865-*DescrCoqFoss*: 178. — Type localities: Damery, Cumières & Boursault. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32711, syntypes from Damery. — Current status: synonym of *Potamides* (*Potamides*) *lapidorum* (Lamarck, 1804) (Pacaud *herein*).

*deperditum*, *Cerithium* – Deshayes, 1865-*DescrCoqFoss*: 176-177, *non* Michelotti, 1861; Guérin-Ménéville & Deshayes 1868: 36, pl. 17, fig. 9. — Type localities: Passy-en-Valois, Le Fayel, Beauchamps, Mesnil-Aubry, Mortefontaine, Le Guépelle, Montagny-en-Vexin, Les Craquelots, La Chapelle-en-Serval, Lizy-sur-Ourcq, Jaignes, Beauval, La Ferté-sous-Jouarre, Caumont & Proy. Figured in his first edition [pl. 59, figs 27-28] as *Cerithium lamarckii* (Brongniart, 1810) [*Potamides*], *non* Brongniart, 1810. — Type age: Eocene (Bartonian). — Current status: *Potamides* (*Potamides*) *perditus* (Bayan, 1870: 41-42) [*Cerithium*], replacement name.

*detritum*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 331-332, 23, pl. 43, figs 5-8 [fig. 8 not listed in text; 1837-*DescrCoqFoss*: 812, correction made]; 1865-*DescrCoqFoss*: 128-129. — Type localities: Retheuil & Cuise-la-Motte. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32257, syntypes from Cuise-la-Motte. — Current status: synonym of *Potamides* (*Eotympanotonus*) *papalis* (Deshayes, 1833) (Pacaud *herein*).

*diadema*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 75, pl. 75, figs 25-26; 1865-*DescrCoqFoss*: 200. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32709, holotype. — Current status: *Serratocerithium diadema* (Deshayes, 1864) (Le Renard & Pacaud 1995: 106).

*dubium*, *Cerithium* – Deshayes, 1865-*DescrCoqFoss*: 80, pl. 80, fig. 15 [not in text], *non* J. Sowerby, 1816. Error for *Cerithium insolitum* Deshayes, 1864 (Cossmann & Lambert 1884: 154). — Current status: *Potamides* (*Potamides*) *insolitum* (Deshayes, 1864) (see below).

*editum*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 77, pl. 77, fig. 15; 1865-*DescrCoqFoss*: 126. — Type locality: Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32726, syntype. — Current status: synonym of *Potamides* (*Eotympanotonus*) *circinatus* (Deshayes, 1864) (Pacaud *herein*).

*elegans*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 337-338, 28, pl. 51, figs 10-12, *non* Blainville, 1829; 1865-*DescrCoqFoss*: 138, pl. 80, figs 20-24. — Type locality: Versailles. — Type age: Oligocene (Rupelian). — Current status: synonym of *Potamides* (*Eotympanotonus*) *vivarii* (Oppenheim, 1896) (Pacaud *herein*).

*gradatum*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 330-331, 24, pl. 53, figs 9-10. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32258, syntypes. 1865-*DescrCoqFoss*: 128. — Current status: *Tympanotonos* (*Diptychochilus*) *gradatus* (Deshayes, 1833) (Le Renard & Pacaud 1995: 110).

*gravesii*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 310-311, 26 [figs miswritten as 13-15], pl. 40, figs 15, 24-25; 1837-*DescrCoqFoss*: 814, [corrections made]. — Type localities: Maule & Chambors. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32270, syntypes from Chambors. 1865-*DescrCoqFoss*: 142. — Type species (OD) of *Gravesicerithium* Bouniol, 1981 [*non Gravesicerithium* Charpiat, 1923, the type species of which is *Cerithium thiara* Bruguière, 1792]. — Current status: synonym of *Terebralia* (*Gravesicerithium*) *mitra* (Lamarck, 1804) (Pacaud *herein*).

*hericarti*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 308-309, 26, pl. 47, figs 7-9; 1865-*DescrCoqFoss*: 126. — Type localities: Valmondois, Acy-en-Multien, Betz & Tancrou. — Type age: Eocene (Bartonian). — Current status: *Serratocerithium hericarti* (Deshayes, 1833) (Le Renard & Pacaud 1995: 110).

*heteromorpha*, *Scalaria* – Deshayes, 1861-*DescrCoqFoss*: 349-350, 11, pl. 11, figs 20-22. — Type localities: Thiverval-Grignon & Mouy. — Type age: Eocene (Lutetian). — Type species (OD) of *Canaliscala* Cossmann, 1888. — Current status: *Canaliscala heteromorpha* (Deshayes, 1861) (Le Renard & Pacaud 1995: 93; Pacaud 2008: 47).

*insolitum*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 80, pl. 80, figs 13, 15; 1865-*DescrCoqFoss*: 139, 667 [fig. indicated here, not in pl. expl.; fig. 15 mislabeled as “*Cerithium dubium*” (see above)]. — Type localities: Etréchy & Jeurre. — Type age: Oligocene (Rupelian). — Type material: UCBL-EM 32742, syntype from Jeurre. — Current status: *Potamides* (*Potamides*) *insolitum* (Deshayes, 1864) (Lozouet & Maestrati 2012a: 278, 280, figs 180: 1-3).

*labiatum*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 313-314, 26 [as *C. “labiosum”*], pl. 47, figs 10-12; 1837-*DescrCoqFoss*: 814 [correction noted]; 1865-*DescrCoqFoss*: 142. — Type locality: Damery. — Type age: Eocene (Lutetian). — Current status: *Terebralia* (*Gravesicerithium*) *labiatum* (Deshayes, 1833) (Le Renard & Pacaud 1995: 106; Pacaud 2008: 47; Courville *et al.* 2012: 62-63, pl. 4, fig. 8).

*labiosum*, *Cerithium*. Error for *Cerithium labiatum*; see above.

*marginatum*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 336, 28, pl. 51, figs 15-16, *non* Bruguière, 1792. — Type localities: Mary-sur-Marne & Tancrou. — Type age: Eocene (Bartonian). *Cerithium submarginatum* d’Orbigny, 1850b (d’Orbigny 1850b: 417, no. 1506), replacement name. 1865-*DescrCoqFoss*: 136, as *Cerithium submarginatum* d’Orbigny, 1850. — Current status: *Tympanotonos* (*Eotympanotonus*) *submarginatus* (d’Orbigny, 1850) (Pacaud 2007: 34).

*mitreola*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 314, 26, pl. 48, figs 21-23, 27, pl. 50, figs 6-7 [pl. 48 not mentioned in text]; 1837-*DescrCoqFoss*: 812 [correction made]; 1865-*DescrCoqFoss*: 131, 132 [correction note]. — Type localities: Retheuil & Mareuil-sur-Ourcq. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32825, syntype. The Bartonian specimens from Mareuil-sur-Ourcq (between Crépy-en-Valois & La Ferté-Milon) are *Granulolabium* (*Tiaracerithium*) *propinquum* (Deshayes, 1833), a synonym of *Cerithium thiarella* Deshayes, 1833. — Current status: *Granulolabium* (*Tiaracerithium*) *mitreola* (Deshayes, 1833) (Le Renard & Pacaud 1995: 106).

*mixtum*, *Cerithium* – Deshayes, 1833-DescrCoqFoss: 324, 25, pl. 45, figs 6-11, *ex* DeFrance ms. — Type localities: Valmondois, Mary-sur-Marne, Betz & Baron. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32263, syntypes from Valmondois. — Current status: *Potamides* (*Potamidopsis*) *mixtus* (Deshayes, 1833) (Le Renard & Pacaud 1995: 110, as “DeFrance in Deshayes”).

*moniliferum*, *Cerithium* – Deshayes, 1833-DescrCoqFoss: 413, 32 [as *C. “monilifer”*], pl. 60, figs 6-9 [fig. 9 not noted cited in text], *ex* DeFrance ms; 1837-DescrCoqFoss: 812, 814, corrections made]. — Type locality: Monneville. — Type age: Eocene (Bartonian). — Current status: *Granulolabium moniliferum* (Deshayes, 1824) (Pacaud 2007: 334).

*nodiferum*, *Cerithium* – Deshayes, 1833-DescrCoqFoss: 318, 23, figs 41, figs 20-21 [figs listed in text and on pl. expl. as 19-20]; 1837-DescrCoqFoss: 812, 813, corrections noted; 1865-DescrCoqFoss: 131. — Type locality: Monneville. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32256, syntypes. — Current status: *Granulolabium* (*Tiaracerithium*) *obliquatum* [Deshayes, 1833] *nodiferum* (Deshayes, 1833) (Le Renard & Pacaud 1995: 107).

*obliquatum*, *Cerithium* – Deshayes, 1833-DescrCoqFoss: 318-319, 23, pl. 41, figs 7, 17-18; 1865-DescrCoqFoss: 134. — Type locality: “Soissonnais” (Chéry-Chartreuve ?). — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32254, syntypes. — Current status: *Granulolabium* (*Tiaracerithium*) *obliquatum* (Deshayes, 1833) (Le Renard & Pacaud 1995: 106).

*obscurum*, *Cerithium* – Deshayes, 1833-DescrCoqFoss: 408-409, 32, pl. 59, figs 29-31; 1865-DescrCoqFoss: 198. — Type locality: Léveumont. — Type age: Eocene (Bartonian). — Current status: *Granulolabium* (*Granulolabium*) *obscurum* (Deshayes, 1833) (Le Renard & Pacaud 1995: 110).

*papale*, *Cerithium* – Deshayes, 1833-DescrCoqFoss: 334-335, 24, pl. 43, figs 11-13; 1865-DescrCoqFoss: 134. — Type localities: Rethuil & Cuise-la-Motte. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32259, syntypes from Cuise-la-Motte. — Current status: *Tympanotonos* (*Eotympanotonus*) *papalis* (Deshayes, 1833) (Le Renard & Pacaud 1995: 110; Jeffery & Tracey 1997: 82, 91, pl. 7, fig. 3).

*picteti*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 75, pl. 75, fig. 38; 1865-DescrCoqFoss: 141. — Type localities: Thiverval-Grignon, Mouy & Saint-Félix. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32710, syntype. — Current status: *Terebralia* (*Gravesicerithium*) *picteti* (Deshayes, 1833) (Le Renard & Pacaud 1995: 106; Pacaud 2008: 47).

*proavus*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 77, pl. 77, fig. 22; 1865-DescrCoqFoss: 135-136. — Type localities: Châlons-sur-Vesle, Gueux & Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32730, syntypes from Jonchery-sur-Vesle. *Tympanotonos* (*Eotympanotonus*) *proavus* (Deshayes, 1864) (Le Renard & Pacaud 1995: 110). — Current status: *Potamides* (*Eotympanotonus*) *proavus* (Deshayes, 1864) (Leroy *et al.* 2014: 24, pl. 19, figs 13-14).

*roissyi*, *Cerithium* – Deshayes, 1833-DescrCoqFoss: 322-323, 27, pl. 50, figs 13-20; 1865-DescrCoqFoss: 127. — Type localities: Senlis & Valmondois. — Type age: Eocene (Bartonian). — Current status: *Tympanotonos* (*Diptychochilus*) *roissyi* (Deshayes, 1833) (Le Renard & Pacaud 1995: 110).

*scalaroides*, *Cerithium* – Deshayes, 1833-DescrCoqFoss: 411-412, 32, pl. 59, figs 24-26; 1865-DescrCoqFoss: 181-182. — Type localities: Monneville, Valmondois, Acy-en-Multien & Tancrou. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32294, syntype. — Current status: *Potamides* (*Potamides*) *scalaroides* (Deshayes, 1833) (Le Renard & Pacaud 1995: 110).

*scruposum*, *Cerithium* – Deshayes, 1833-DescrCoqFoss: 374-375, 31, pl. 57, figs 17-19; 1865-DescrCoqFoss: 197. — Type locality: Beynes. — Type age: Eocene (Lutetian). — Current status: *Granulolabium* (*Granulolabium*) *scruposum* (Deshayes, 1833) (Le Renard & Pacaud 1995: 110; Pacaud 2008: 47).

*semiplicatum*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 73, pl. 73, fig. 33 [text had as fig. 32]; 1865-DescrCoqFoss: 175-176, 666 [correction noted]. — Type locality: Saint-Thomas. — Type age: Eocene (Lutetian). — Current status: *Potamides* (*Potamides*) *semiplicatus* (Deshayes, 1864) (Le Renard & Pacaud 1995: 109).

*semperi*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 76, pl. 76, figs 20-21; 1865-DescrCoqFoss: 135. — Type locality: Caumont. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32697, syntypes. — Current status: *Tympanotonos* (*Eotympanotonus*) *semperi* (Deshayes, 1864) (Le Renard & Pacaud 1995: 110).

*subpunctatum*, *Cerithium* – Deshayes, 1833-DescrCoqFoss: 409-410, 32, pl. 40, figs 1-3; 1865-DescrCoqFoss: 182. — Type localities: Thiverval-Grignon & Houdan. — Type age: Eocene (Lutetian). — Current status: *Cerithidea subpunctata* (Deshayes, 1833) (Le Renard & Pacaud 1995: 110; Pacaud 2008: 47).

*subula*, *Cerithium* – Deshayes, 1833-DescrCoqFoss: 339-340, 28, pl. 52, figs 16-17; 1865-DescrCoqFoss: 181. — Type locality: Senlis. — Type age: Eocene (Bartonian). — Current status: *Granulolabium* (*Tiaracerithium*) *subula* (Deshayes, 1833) (Le Renard & Pacaud 1995: 106).

*thiarella*, *Cerithium* – Deshayes, 1833-DescrCoqFoss: 314-315, 24, pl. 44, figs 14-16, *non* Grateloup, 1832; 1865-DescrCoqFoss: 132, as *Cerithium tiarella*. — Type localities: Senlis & Mareuil-en-Dôle. — Type age: Eocene (Bartonian). — Type species (*M*) of *Tiarellacerithium* Charpiat, 1919. *Granulolabium* (*Tiaracerithium*) *thiarella* (Deshayes, 1833) (Le Renard & Pacaud 1995: 106). Synonym of *Granulolabium* (*Tiaracerithium*) *aequistriatum* (Deshayes, 1864) (Pacaud 2007: 34; Pacaud 2008: 47). — Current status: synonym of *Granulolabium* (*Tiaracerithium*) *propinquum* (Deshayes, 1833) (Pacaud 2019: 110).

*tiarella*, *Cerithium* – see entry above.

*trivittatum*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 82, pl. 82, fig. 27; 1865-DescrCoqFoss: 130-131. — Type locality: Cresnes. — Type age: Eocene (Bartonian). — Type material: MNHN.FJ04170, holotype. — Current status: *Potamides* (*Potamidopsis*) *mixtus* [Deshayes, 1833] *trivittatus* (Deshayes, 1864) (Le Renard & Pacaud 1995: 110).

*trochiforme*, *Cerithium* – Deshayes, 1833-DescrCoqFoss: 336-337, 28, pl. 52, figs 1-3, *non* Lamarck, 1804; 1865-DescrCoqFoss: 138-139. — Type localities: Valmondois, Tancrou & Mary-sur-Marne. — Type age: Eocene (Bartonian). *Cerithium conarium* Bayan, 1873a (Bayan 1873a: 108), replacement name. — Type species (*OD*) of *Eotympanotonus* Chavan, 1952. — Current status: *Potamides* (*Eotympanotonus*) *conarium* (Bayan, 1873) (Pacaud herein).

*tuba*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 76, pl. 76, figs 18-19; 1865-DescrCoqFoss: 140-141. — Type localities: Brimont, Châlons-sur-Vesle, Gueux & Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32720, syntypes from Jonchery-sur-Vesle. — Type species (*OD*) of *Tylochilus* Cossmann, 1889, now regarded as a synonym of *Granulolabium* Cossmann, 1889. — Current status: *Granulolabium* (*Granulolabium*) *tuba* (Deshayes, 1864) (Le Renard & Pacaud 1995: 110; Leroy *et al.* 2014: 24, pl. 19, figs 7-9).



*turris*, *Cerithium* – Deshayes, 1833-DescrCoqFoss: 335-336, 28, pl. 51, figs 13-14; 1865-DescrCoqFoss: 135. — Type localities: Épernay, Lisy & Ay. — Type age: Eocene (Ypresian). *Tympanotonus* (*Eotympanotonus*) *turris* (Deshayes, 1833) (Le Renard & Pacaud 1995: 110; Dominici & Kowalke 2014: 152, 155, pl. 3, figs 1-3). — Current status: *Potamides* (*Eotympanotonus*) *turris* (Deshayes, 1833) (Pacaud herein).

*variabile*, *Cerithium* – Deshayes, 1833-DescrCoqFoss: 403, 32, pl. 60, figs 19-20, 33, pl. 61, figs 21-22, 25-29 [fig. 29 not cited in text or on pl. expl.]; 1837-DescrCoqFoss: 812 [correction made]. — Type locality: Mont-Bernon (Épernay), Ay, Disy-la-Rivière, Cumières & Soissonnais. — Type age: Eocene (Ypresian). Preoccupies *Cerithium variabile* C. B. Adams, 1845. — Current status: synonym of *Potamides* (*Eotympanotonus*) *funatus* (J. Sowerby, 1814) (Pacaud herein).

*wateleti*, *Cerithium* – Deshayes, in Watelet, 1851: 12, pl. 2, figs 8-9. — Type locality: Vauxrot & Crouy. — Type age: Eocene (Ypresian). 1864-DescrCoqFoss: 74, pl. 74, fig. 40; 1865-DescrCoqFoss: 126-127. — Type material: MNHN.F.A27139, syntype. — Current status: synonym of *Potamides* (*Eotympanotonus*) *funatus* (J. Sowerby, 1814) (Pacaud herein).

#### Family SCALIOLIDAE Jousseau, 1912

*abconditum*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 81, pl. 81, figs 14-17; 1865-DescrCoqFoss: 229. — Type localities: Étrechy & Jeurre. — Type age: Oligocene (Rupelian). — Current status: synonym of *Sandbergeria* (*Sandbergeria*) *cancellata* (Nyst, 1836) (Pacaud herein).

*commune*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 81, pl. 81, figs 10-13; 1865-DescrCoqFoss: 228. — Type localities: Thiverval-Grignon, Auvers-sur-Oise, Valmondois, Lizy-sur-Ourcq, Mary-sur-Marne, Vendrest, Acy-en-Multien, Betz, Crouy, Le Fayel, La Ferté-sous-Jouarre, Caumont, Le Guépelle, Ver-sur-Launette, Ermenonville, Verneuil, Beauchamp, Ezanville, Montagny-en-Vexin, Montjavoult, Levemont, Plailly, Monneville, Beauval, Chéry-Charreuve, Hautteville-Bocage. — Type age: Eocene (Lutetian-Bartonian). — Current status: synonym of *Sandbergeria* (*Sandbergeria*) *decussata* (Lamarck, 1804) (Pacaud herein).

*cyclostomoides*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 79, pl. 79, figs 24-26; 1865-DescrCoqFoss: 230. — Type locality: Hérouval. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32734, syntype. — Current status: *Sandbergeria* (*Aneurychilus*) *cyclostomoides* (Deshayes, 1864) (Le Renard & Pacaud 1995: 107).

*secale*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 75, pl. 75, figs 31-33; 1865-DescrCoqFoss: 229-230. — Type localities: Thiverval-Grignon, Parnes, Mouchy-le-Châtel, Saint-Félix & Uilly-Saint-Georges. — Type age: Eocene (Lutetian). — Type species (OD) of *Aneurychilus* Cossmann, 1889. *Sandbergeria* (*Aneurychilus*) *secalis* (Deshayes, 1864) (Le Renard & Pacaud 1995: 99, 107). *Finella* (*Aneurychilus*) *secalis* (Deshayes, 1964) (Pacaud 2008: 48). — Current status: synonym of *Sandbergeria* (*Aneurychilus*) *turbinopsis* (Deshayes, 1861) [*Rissoa*] (Pacaud herein: was based on a juvenile specimen of the same species (see below)).

*turbinopsis*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 81, pl. 81, figs 18-21; 1865-DescrCoqFoss: 226-227. — Type locality: Le Guépelle. — Type age: Eocene (Bartonian). — Type material: MNHN.F.J04146, syntype. — Current status: *Sandbergeria* (*Sandbergeria*) *turbinopsis* (Deshayes, 1864) (Le Renard & Pacaud 1995: 107). Secondary homonym of *Sandbergeria* (*Aneurychilus*) *turbinopsis* (Deshayes, 1861) [*Rissoa*]. — Current status: *Sandbergeria* (*Sandbergeria*) *metal* Pacaud, n. name (replacement name herein): from Latin, having the shape of a cone.

*turbinopsis*, *Rissoa* – Deshayes, 1861-DescrCoqFoss: 409, 23, pl. 23, figs 23-25. — Type locality: Parnes. — Type age: Eocene (Lutetian). Synonym of *Sandbergeria secalis* (Deshayes, 1864) [*Cerithium*] (Pezant 1910: 30; Le Renard 1990: 37), but that would be a later synonym. — Current status: *Sandbergeria* (*Aneurychilus*) *turbinopsis* (Deshayes, 1861) (Pacaud herein).

*ventricosum*, *Cerithium* – Deshayes, 1833-DescrCoqFoss: 423, 31, pl. 58, figs 27-30, *non* (Gmelin, 1791) [*Trochus*]; 1865-DescrCoqFoss: 225-226. — Type locality: Rethueil & Cuise-la-Motte. — Type age: Eocene (Ypresian). Renamed *Cerithium pseudoventricosum* d'Orbigny, 1850b (d'Orbigny 1850b: 318, no. 395). *Finella pseudoventricosum* (d'Orbigny, 1850) (Pacaud 2007: 35). — Current status: *Sandbergeria* (*Sandbergeria*) *pseudoventricosa* (d'Orbigny, 1850).



*regulare*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 81, pl. 81, figs 2-5; 1865-DescrCoqFoss: 227. Made available by Melleville 1843: 106 [60, 86], pl. 7, figs 20-23. — Type locality: Laon. — Type age: Eocene (Ypresian). — Current status: *Sandbergeria* (*Sandbergeria*) *regularis* (Melleville, 1843).

#### Family SILIQUARIIDAE Anton, 1838

*brevifissurata*, *Siliquaria* – Deshayes, 1850-TraitElem: 43, pl. 70, figs 5-7; 1861-DescrCoqFoss: 298, 10, pl. 10, figs 8-9. — Type localities: Thiverval-Grignon, Parnes, Chaumont-en-Vexin & Chaussy (supplied in 1861). — Type age: Eocene (Lutetian). Listed by Bieler & Petit (2011: 28). — Current status: *Tenagodus* (*Pyxipoma*) *brevifissuratus* (Deshayes, 1850) (Le Renard & Pacaud 1995: 105; Pacaud 2008: 48).

*faujasi*, *Siliquaria* – Deshayes, 1861-DescrCoqFoss: 294, 10, pl. 10, figs 3-4. — Type localities: Thiverval-Grignon, Parnes & Chaussy. — Type age: Eocene (Lutetian). Listed by Bieler & Petit (2011: 37). — Current status: *Tenagodus* (*Agathirses*) *faujasi* (Deshayes, 1861) (Le Renard & Pacaud 1995: 105; Pacaud 2008: 48).

*gracilis*, *Siliquaria* – Deshayes, 1861-DescrCoqFoss: 299, 11, pl. 11, figs 5-6. — Type locality: Vregny. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32402, holotype. Listed by Bieler & Petit (2011: 39). — Current status: *Tenagodus* (*Pyxipoma*) *gracilis* (Deshayes, 1850) (Le Renard & Pacaud 1995: 105).

*millepeda*, *Siliquaria* – Deshayes, 1861-DescrCoqFoss: 296, 10, pl. 10, figs 15-16. — Type localities: Thiverval-Grignon & Nantheuil-la-Fosse. — Type age: Eocene (Lutetian). Listed by Bieler & Petit (2011: 30). — Current status: *Tenagodus* (*Tenagodus*) *spinus* [G. Fischer, 1807] *millepedia* (Deshayes, 1861) (Le Renard & Pacaud 1995: 105).

*mitis*, *Siliquaria* – 1861-DescrCoqFoss: 298-299, 11, pl. 11, figs 1-4. — Type localities: Auvers-sur-Oise, Valmondois, Acy-en-Multien, Mary-sur-Marne, Caumont, Le Guépelle, Le Mesnil-Auby & Ver-sur-Launette. — Type age: Eocene (Bartonian). *Tenagodus* (*Pyxipoma*) *multistriatus* [Chenu, 1843] *mitis* (Deshayes, 1861) (Le Renard & Pacaud 1995: 105). Listed by Bieler & Petit (2011: 48). — Current status: *Tenagodus* (*Pyxipoma*) *mitis* (Deshayes, 1850) (Pacaud 2008: 48).

#### Family THIARIDAE Gill, 1871 [1823]

*crenularis*, *Melania* – Deshayes, 1844d: 2, pl. 83. — Type locality: Philippines, freshwater. — Type age: Recent. — Current status: synonym of *Melanoides torulosa* (Bruguière, 1789) (Bragado *et al.* 2000: 163).

*crenulata*, *Melania* – Deshayes, 1838-HistNatAnim2: 434-435; 1843-HistNatAnim3: 421. — Type locality: none given. — Type age: Recent. — Current status: the Japanese *Stenomelania crenulata* (Deshayes, 1838) (Hidaka & Kano 2014), now considered a vulnerable species.

*curvicosta*, *Melania* – Deshayes, 1833b: 232, “pl. 1, figs 7-9”, *nomen nudum*; 1835b: 149-150, pl. 25, figs 7-9; 1838-HistNatAnim2: 459-460; 1843-HistNatAnim3: 433. — Type locality: Peloponnese Peninsula, Greece. — Type age: Subapennine Formation, Pliocene. — Current status: *Melanoides curvicosta* (Deshayes, 1835) (Schütt 1988: 147).

*moreleti*, *Melania* – Deshayes, 1850-TraitElem: 46, pl. 74, figs 13-14. — Type locality: none given. — Type age: Recent. — Type material: MNHN-IM-2000-36464, 2 syntypes. Preoccupies *Melania moreleti* Reeve, 1860, which was replaced by *Melania arthurii* Brott, 1870. — Current status: *taxon inquirendum*.

*rangii*, *Melania* – Deshayes, 1838-HistNatAnim2: 442-443; 1843-HistNatAnim3: 427. — Type locality: Coastal rivers of “Malaguette, Sénégambe”. — Type age: Recent. Unnecessary replacement name for *Melania tuberculosa* Rang, 1832 (pl. 13), *non Melania tuberculata* Wagner, in Spix, 1827, because the two names are not homonyms. — Current status: synonym of *Pachymelania byronensis* (W. Wood, 1828) [*Strombus*] (Koudoukpo *et al.* 2020: 43).

*subulata*, *Melania* – Deshayes, 1832-EncyMeth: 427, *non* Lamarck, 1822. — Type locality: none given; living. — Type age: Recent. Both preoccupy *Melania subulata* Roemer, 1839, now *Ceritella subulata* (Roemer, 1839) [*Melania*], but the name would also need to be replaced. — Current status: *taxon inquirendum*.



*fuscata*, *Melania* – Deshayes, 1838-HistNatAnim2: 435-435; 1843-HistNatAnim3: 423. Listed by Graf (2001: 46) as a Deshayes species, this name had its origin as *Helix fuscatus* Born, 1778, now *Neoradina fuscata* (Born, 1778).

#### Family TURRITELLIDAE Lovén, 1847

*Bifrontia* – Deshayes, 1832-DescrCoqFoss: 221-227; 1843-HistNatAnim2: 104-108; 1843-HistNatAnim3: 540. — Current status: unnecessary substitute for *Omalaxis* Deshayes, 1830.

*Omalaxis* – Deshayes, 1830a-EncyMeth: 157; 1832-EncyMeth: 659-660. — Type species (OD): *Solarium disjunctum* Lamarck, 1804. *Omalalaxis* Herrmannsen, 1847, is an incorrect subsequent spelling. *Omaloxon* Agassiz, 1846, and *Homalaxon* Bronn, 1848, are unjustified emendations. *Bifrontia* Deshayes, 1832, was an unnecessary substitute, and *Homalaxis* P. Fischer, 1885, was an unjustified emendation. — Current status: valid type genus of Omalaxinae Cossmann, 1916, a subfamily of the Turritellidae.

*abbreviata*, *Turritella* – Deshayes, 1832-DescrCoqFoss: 288, 21, pl. 38, figs 8-9, *non Turritella abbreviata* J. de C. Sowerby, 1827 (ICZN Code Art. 58.7); 1861-DescrCoqFoss: 328, as *Turritella (Mesalia)*. — Type localities: Thiverval-Grignon, Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32240, syntypes from Parnes. *Turritella brachyteles* Bayan, 1873a (Bayan 1873a: 96), replacement name. — Current status: both new regarded as synonyms of *Sigmesalia multisulcata* (Lamarck, 1804) [*Turritella*] (Le Renard 1992: 5).

*adulterata*, *Turritella* – Deshayes, 1861-DescrCoqFoss: 316-317, 15, pl. 15, figs 1-2. — Type localities: Chaumont-en-Vexin & Chaussy. — Type age: Eocene (Lutetian). — Type material: UCBL-

EM 32434, syntypes from Chaumont-en-Vexin. — Current status: synonym of *Haustator imbricatarius* (Lamarck, 1804) [*Turritella*] (Tracey & Todd 1996: 44). *Haustator adulteratus* (Deshayes, 1861) (Le Renard & Pacaud 1995: 104; Pacaud 2008: 48).

*ambigua*, *Turritella* – Deshayes, 1832-DescrCoqFoss: 277, 21, pl. 37, figs 3-4; 1861-DescrCoqFoss: 321. — Type locality: Parnes. — Type age: Eocene (Lutetian). 1843-HistNatAnim2: 271; 1843-HistNatAnim3: 597. — Current status: synonym of *Turritella funiculosus* Deshayes, 1832 (Cossmann 1888: 298-299).

*ammonoides*, *Bifrontia* – Deshayes, 1861-DescrCoqFoss: 26, pl. 26, figs 22-24; 1863-DescrCoqFoss: 681. — Type localities: Damery, Parnes & Chaussy. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32492, syntype from Damery. — Current status: *Omalaxis ammonoides* (Deshayes, 1861) (Pacaud & Le Renard 1995: 187).

*antiqua*, *Turritella* – Deshayes, 1835b: 148, pl. 26, fig. 3. — Type locality: Peloponnese Peninsula, Greece. — Type age: Subapennine Formation, Pliocene. *Nomen nudum* in Virlet (1833: 162). Preoccupies *Turritella antiqua* Münster, 1840. — Current status: *taxon inquirendum*.

*bellovacina*, *Turritella* – Deshayes, 1861-DescrCoqFoss: 312. — Type localities: Bracheux, Abbecourt, Noailles, Vaux-sous-Laon, Brimont & Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32237, syntypes from Abbecourt. — Current status: *Haustator bellovacinus* (Deshayes, 1861) (Le Renard & Pacaud 1995: 104; Leroy *et al.* 2014: 24, pl. 20, figs 5-6).

*bicarinatus*, *Vermetus* – Deshayes, 1843-HistNatAnim2: 67-68, originally as “*bricarinatus*”, a typographic error, with the common name given as “Vermet bicaréné (ICZN Code Art. 32.5); 1843-HistNatAnim3: 526. Not preoccupied by *Vermetus bicarinatus* (G. B. Sowerby II, 1839) [*Serpula*], a synonym of *Dendropoma nebulosum* (Dillwyn, 1817) [*Serpula*]. — Type locality: none given. — Type age: Recent. — Type material: lost. Listed by Bieler & Petit (2011: 27). — Current status: synonym of the western Atlantic *Vermicularia spirata* (Philippi, 1836) [*Vermetus*], which was figured by Yidi & Sarmieto (2011: 63, 223, fig. 158; Anderson & Allmon 2023: 31-32, figs 9, 49-63).

*caillati*, *Turritella* – Deshayes, 1861-DescrCoqFoss: 321, 16, pl. 16, figs 15-16. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32445, holotype. — Current status: *Haustator caillati* (Deshayes, 1861) (Le Renard & Pacaud 1995: 104; Pacaud 2008: 48, as “1804”).

*carinifera*, *Turritella* – Deshayes, 1832-DescrCoqFoss: 273-274, 20, pl. 36, figs 1-2, *non* Lamarck, 1822; 1843-HistNatAnim2: 269; 1843-HistNatAnim3: 596. 1861-DescrCoqFoss: 31. — Type localities: Chaumont-en-Vexin, Parnes, Mouchy-le-Châtel & Houdan. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32230, syntype from Mouchy-le-Châtel. 1. *Turritella oppenheimi* Newton, 1912 (Newton 1912: 81, pl.3, fig. 5), replacement name. However, synonym of *Turritella contracta* J. de C. Sowerby, in Dixon, 1850. *Haustator oppenheimi* (Newton, 1912) (Tracey & Todd 1996: 41, 45). — Current status: *Haustator contractus* (J. de C. Sowerby, in Dixon, 1850) (Le Renard & Pacaud 1995: 104; Pacaud 2008: 48).

*circumdata*, *Turritella* – Deshayes, 1861-DescrCoqFoss: 319-320, 14, pl. 14, figs 14-15. — Type localities: Bracheux, Abbecourt, Brimont, Châlons-sur-Vesle, Gueux, Jonchery-sur-Vesle, Aizy-Jouy & Cœuvres-et-Valsery. — Type age: Paleocene-Eocene (Thanetian-Ypresian). — Current status: *Haustator circumdatus* (Deshayes, 1861) (Le Renard & Pacaud 1995: 104; Jeffery & Tracey 1997: 82, 91, pl. 7, fig. 6).

*compta*, *Turritella* – Deshayes, 1861-DescrCoqFoss: 318, 15, pl. 15, figs 31-32. — Type localities: Châlons-sur-Vesle, Jonchery-sur-



Vesle & Gueux. — Type age: Paleocene (Thanetian). — Current status: *Haustator comptus* (Deshayes, 1861) (Le Renard & Pacaud 1995: 104; Leroy et al. 2014: 24, pl. 20, figs 9-10).

*consobrina*, *Turritella* (*Mesalia*) – Deshayes, 1861-DescrCoqFoss: 327, 15, pl. 15, figs 3-5. — Type localities: Brasles, Chéry-Chartreuve, Chaumont-en-Vexin & Saint-Thomas. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32435, syntype from Brasles. — Current status: *Sigmesalia consobrina* (Deshayes, 1861) (Le Renard & Pacaud 1995: 104; Pacaud 2008: 49).

*copiosa*, *Turritella* – Deshayes, 1861-DescrCoqFoss: 319, 14, pl. 14, figs 10-12. — Type localities: Auvers-sur-Oise, Valmondois, Mary-sur-Marne, Ducy, Vendrest, Acy-en-Multien, Betz, La Ferté-sous-Jouarre, Caumont, Crouy, Chéry-Chartreuve & Le Fayel. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32428, syntype from Mary-sur-Marne. — Current status: *Haustator interpositus copiosus* (Deshayes, 1861) (Le Renard & Pacaud 1995: 104).

*dixoni*, *Turritella* – Deshayes, 1861-DescrCoqFoss: 317, 14, pl. 14, figs 12-13. — Type localities: Mercin-et-Vaux, Laversine, Cuise-la-Motte, Aizy-Jouy, Retheuil, Laon & Mons-en-Laonnois. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32429, syntypes from Cuise-la-Motte. — Current status: *Haustator dixoni* (Deshayes, 1861) (Le Renard & Pacaud 1995: 104; Jeffery & Tracey 1997: 82, 91, pl. 7, fig. 5).

*elegans*, *Turritella* – Deshayes, 1861-DescrCoqFoss: 315-316, 15, pl. 15, fig. 25. — Type localities: Chaumont-en-Vexin & Ecos. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32441, syntype from Chaumont-en-Vexin. Preoccupies *Turritella elegans* Philippi, 1887, from the Miocene of Chile (Coan & Kabat, 2017: 146). Synonym of *Haustator imbricatarius* (Lamarck, 1804) [*Turritella*] (Tracey & Todd 1996: 44). — Current status: *Haustator elegans* (Deshayes, 1861) (Le Renard & Pacaud 1995: 104; Pacaud 2008: 48).

*funiculosa*, *Turritella* – Deshayes, 1832-DescrCoqFoss: 276, 21, pl. 37, figs 5-6; 1843-HistNatAnim2: 270-271; 1843-HistNatAnim3: 597; 1861-DescrCoqFoss: 316. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). Preoccupies *Turritella funiculosa* Matheron, 1843. — Current status: *Haustator funiculosus* (Deshayes, 1832) (Le Renard & Pacaud 1995: 104; Pacaud 2008: 48).

*granulosa*, *Turritella* – Deshayes, 1832-DescrCoqFoss: 275, 21, pl. 37, figs 1-2; 1843-HistNatAnim2: 269-270; 1843-HistNatAnim3: 596; 1861-DescrCoqFoss: 314. — Type localities: Monneville, Maule & Acy-en-Multien. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32234, syntype from Monneville. — Current status: *Haustator granulatus* (Deshayes, 1832) (Le Renard & Pacaud 1995: 104; Pacaud 2008: 48).

*hamiltoni*, *Turritella* (*Mesalia*) – Deshayes, 1861-DescrCoqFoss: 324-325, 15, pl. 15, figs 13-16. — Type locality: Laon. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32438, syntypes. — Current status: *Sigmesalia hamiltoni* (Deshayes, 1861) (Le Renard & Pacaud 1995: 104; Pacaud 2008: 49).

*heberti*, *Turritella* (*Mesalia*) – Deshayes, 1861-DescrCoqFoss: 324, 15, pl. 15, figs 20-24, *non Turritella heberti* d'Archiac, 1853. — Type localities: Auvers-sur-Oise, Valmondois, La Ferté-sous-Jouarre. Caumont, Mary-sur-Marne, Vendrest, Acy-en-Multien, Montagny-en-Vexin, Le Mesnil-Aubry, Sérans, Ver-sur-Launette, Ermenonville & Le Guépelle. — Type age: Eocene (Bartonian). — Type material: MNHN.FJ04189, syntype (Hébert coll.), from Acy-en-Multien; UCBL-EM 32440, syntypes (Deshayes coll.) from Mary-sur-Marne. — Current status: synonym of *Turritella variabilis* Defrance, 1828, now *Sigmesalia variabilis* (Defrance, 1828) (Le Renard & Pacaud 1995: 104).

*hybrida*, *Turritella* – Deshayes, 1832-DescrCoqFoss: 278-279, 20, pl. 36, figs 5-6; 1843-HistNatAnim2: 272-273; 1843-HistNatAnim3: 597; 1861-DescrCoqFoss: 312. — Type localities: Retheuil, Cuise-la-Motte & Soissons. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32232, syntypes from Cuise-la-Motte. Preoccupies *Turriella hybrida* Münster, 1841. — Current status: *Torquesia (Ispharina) hybrida* (Deshayes, 1832) (Le Renard & Pacaud 1995: 104).

*incerta*, *Turritella* – Deshayes, 1832-DescrCoqFoss: 283-284, 21, pl. 37, figs 11-12, pl. 38, figs 1-16; 1843-HistNatAnim2: 274-275; 1843-HistNatAnim3: 598; 1861-DescrCoqFoss: 326, as *Turritella (Mesalia)*. — Type localities: Baron, Ermenonville, Tancrou & Valmondois. — Type age: Eocene (Bartonian). — Current status: *Sigmesalia incerta* (Deshayes, 1832) (Le Renard & Pacaud 1995: 104; Pacaud 2008: 49).

*intermedia*, *Turritella* – Deshayes, 1832-DescrCoqFoss: 283, 21, pl. 37, figs 17-18, pl. 38, figs 3-4; 1861-DescrCoqFoss: 323-324, as *Turritella (Mesalia)*. — Type localities: Parnes & Courtagnon. — Type age: Eocene (Lutetian). — Current status: *Sigmesalia intermedia* (Deshayes, 1861) (Le Renard & Pacaud 1995: 104; Pacaud 2008: 49; Courville et al. 2012: 61, pl. 3, figs 2, 9-12, 17).

*interposita*, *Turritella* – Deshayes, 1861-DescrCoqFoss: 317-318, 14, pl. 14, figs 18-19. — Type localities: La Ferté-sous-Jouarre, Caumont, Auvers-sur-Oise, Mary-sur-Marne, Crouy, Acy-en-Multien, Betz, Rouvres & Le Fayel. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32430, syntype from Mary-sur-Marne. — Current status: *Haustator interpositus* (Deshayes, 1861) (Le Renard & Pacaud 1995: 104).

*italica*, *Turritella* – Deshayes, 1835b: 147. — Type locality: Peloponnese Peninsula, Greece & Italy. — Type age: Pliocene. New species based on *Turritella imbricataria* Lamarck, 1804, of Brocchi, 1814 (p. 370-372, 682, pl. 6, fig. 12, as *Turbo*), *non* Lamarck, 1804. — Current status: this concept had already been named as *Turritella brocchii* (Bronn, 1831: 53, as *Turbo*), and Deshayes' species is a synonym.

*knorrii*, *Vermetus* – Deshayes, 1843-HistNatAnim2: 68; 1843-HistNatAnim3: 526-527. — Type locality: none given. — Type age: Recent. Listed by Bieler & Petit (2011: 43). — Current status: The western Atlantic *Vermicularia knorrii* (Deshayes, 1843) (Rosenberg et al. 2009: 828; D. Lamy & Pointier 2018: 162-163, pl. 45, fig. 4a-d). A junior synonym of *Vermicularia lumbricalis* (Linnaeus, 1758) [*Serpula*] (Anderson & Allmon 2023: 25-26, figs 27-36).

*laevigatus*, *Proto* – Deshayes, 1832-EncyMeth: 850. — Type locality: Bordeaux. — Type age: Miocene (Burdigalian). *Proto* Blainville, 1824, *ex* Defrance ms, is *non* Leach, 1814 [Crustacea], and is regarded as a synonym of *Turritella* Lamarck, 1799. — Current status: synonym of *Allmonia cathedralis* (Brongniart, 1823) [*Turritella*] (Pacaud herein).

*ligar*, *Turritella* – Deshayes, 1843-HistNatAnim2: 261; 1843-HistNatAnim3: 593, *ex* Adanson ms. — Type locality: Senegal. — Type age: Recent. — Type material: MNHN-IM-2000-25099, 3 syntypes. — Current status: *Turritella ligar* Deshayes, 1843 (Nicklès 1950: 54).

*linnaei*, *Turritella* – Deshayes, 1835b: 146-147. — Type locality: Peloponnese Peninsula, Greece. — Type age: Recent. — Current status: synonym of *Turritella communis* Risso, 1826 (Sabelli et al. 1990: 145; Nolf & Krepes 2008: 7).

*marginata*, *Bifrontia* – Deshayes, 1832-DescrCoqFoss: 224-225, 16, pl. 26, figs 19-20; 1843-HistNatAnim2: 108; 1843-HistNatAnim3: 540. 1863-DescrCoqFoss: 680. — Type localities: Thiverval-Grignon, Mouchy-le-Châtel, Parnes & Valognes. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32207, syntypes from Parnes. *Omalaxis disjunctus* [Lamarck, 1804] *marginatus* (De-

shayes, 1832) (Le Renard & Pacaud 1995: 101; Tréguier & Pacaud 2018: 210). — Current status: *Omalaxis marginatus* (Deshayes, 1832) (Pacaud 2008: 57).

*mesal*, *Turritella* – Deshayes, 1843-HistNatAnim2: 261; 1843-HistNatAnim3: 593, ex Adanson ms. — Type locality: Senegal. — Type age: Recent. — Type species (SD J. E. Gray, 1847) of *Mesalia* J. E. Gray, 1842. — Type material: MNHN-IM-2000-25097, syntype; MNHN-IM-2000-25098, 2 syntypes. — Current status: *Mesalia mesal* (Deshayes, 1843) (Sabelli *et al.* 1990: 145; Alf & Haszprunar, in Alf *et al.* 2020: 98, pl. 84).

*milleti*, *Vermetus* – Deshayes, 1850-TraitElem: 43, pl. 70, figs 9-10. — Type locality: none given [Angers, Maine-et-Loire. — Type age: Miocene (Burdigalian)]. UCBL-EM 32115, syntypes. — Current status: *Vermicularia milleti* (Deshayes, 1850) (Cossmann & Peyrot 1922: 86-87, pl. 3, figs 14-32; Glibert 1949: 128, pl. 7, fig. 10; Bieler & Petit 2011: 47; Harzhauser & Landau 2019: 105-106, fig. 29A<sub>1</sub>-A<sub>2</sub>, 29B<sub>1</sub>-B<sub>2</sub>, 20C; Anderson & Allmon 2023: 26-27, figs 37-39).

*mitis*, *Turritella* – Deshayes, 1861-DescrCoqFoss: 320-321, 14, pl. 14, figs 20-21, 15, pl. 15, figs 29-30. — Type localities: Thiverval-Grignon, Mouchy-le-Châtel, Damery, Chamery, Fleury-la-Rivière & Parnes. — Type age: Eocene (Lutetian). — Current status: *Haustator mitis* (Deshayes, 1861) (Le Renard & Pacaud 1995: 104; Pacaud 2008: 48).

*monilifera*, *Turritella* – Deshayes, 1832-DescrCoqFoss: 275-276, 21, pl. 37, figs 7-8; 1843-HistNatAnim2: 270; 1843-HistNatAnim3: 596-597. 1861-DescrCoqFoss: 314. — Type localities: La Chapelle-en-Serval, Valmondois & Acy-en-Multien. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32235, syntype from Valmondois. Preoccupies *Turritella monilifera* I. Lea, 1841, *T. monilifera* Forbes, 1856, and *T. monilifera* A. Adams & Reeve, 1850. Lea's name is considered to be a synonym of *T. carinata* I. Lea, 1833; that of A. Adams & Reeve is considered to be a synonym of *T. monilis* Kobelt, 1897. — Current status: *Haustator monilifer* (Deshayes, 1832) (Le Renard 1992: 4; Le Renard & Pacaud 1995: 104; Pacaud 2019: 120).

*nitidula*, *Melania* (*Chemnitzia*) – Deshayes, 1862-DescrCoqFoss: 459, 30, pl. 30, figs 22-24, non Meek, 1860. — Type localities: Parnes, Saint-Félix & Montmirail. — Type age: Eocene (Lutetian). — Type species (OD) of *Elignostoma* Cossmann, 1888. — Current status: *Elignostoma bucuoyi* Le Renard, 1994 (Le Renard 1994: 37), replacement name (Le Renard & Pacaud 1995: 104; Pacaud 2008: 49).

*plicatella*, *Turritella* – Deshayes, 1833b: 232, *nomen nudum*. — Type locality: Peloponnese Peninsula, Greece. — Type age: Subapennine Formation, Pliocene. — Current status: *taxon inquirendum*.

*raincourtii*, *Turritella* (*Mesalia*) – Deshayes, 1861-DescrCoqFoss: 322-323, 13, pl. 13, figs 12-13. — Type locality: Verneuil. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32423, syntypes. — Current status: synonym of *Sigmesalia variabilis* (Defrance, 1828) (Pacaud herein).

*regularis*, *Turritella* (*Mesalia*) – Deshayes, 1861-DescrCoqFoss: 323, 14, pl. 14, figs 22-25. — Type localities: Damery & Boursault. — Type age: Eocene (Lutetian). — Current status: *Sigmesalia regularis* (Deshayes, 1861) (Le Renard & Pacaud 1995: 104; Pacaud 2008: 49; Courville *et al.* 2012: 61, pl. 3, fig. 18).

*scalarina*, *Turritella* – Deshayes, 1832-DescrCoqFoss: 281, 22, pl. 40, figs 33-35; 1843-HistNatAnim2: 273-274; 1843-HistNatAnim3: 598. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Current status: *taxon inquirendum*.

*serrata*, *Bifrontia* – Deshayes, 1832-DescrCoqFoss: 225-226, 16, pl. 26, figs 17-18; 1843-HistNatAnim2: 107; 1843-HistNatAnim3:

540. 1863-DescrCoqFoss: 680-682. — Type localities: Thiverval-Grignon, Parnes, Courtagnon, Mouchy-le-Châtel, "etc.". — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32206, syntypes from Mouchy-le-Châtel. — Current status: *Omalaxis serratus* (Deshayes, 1832) (Le Renard & Pacaud 1995: 101; Pacaud 2008: 57).

*solida*, *Turritella* (*Mesalia*) – Deshayes, 1861-DescrCoqFoss: 326-327, 14, pl. 14, figs 26-28. — Type localities: Auvers-sur-Oise, Valmondois, Jaignes, Mary-sur-Marne, Crouy, Acy-en-Multien, Montagny-en-Vexin, Ducy, Caumont, Chéry-Chartreuve & Ermenonville. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32433, syntype from Mary-sur-Marne. — Current status: *Sigmesalia solida* (Deshayes, 1861) (Le Renard & Pacaud 1995: 104).

*subula*, *Turritella* – Deshayes, 1832-DescrCoqFoss: 277-278, 21, pl. 37, figs 15-16; 1843-HistNatAnim2: 271-272; 1843-HistNatAnim3: 597; 1861-DescrCoqFoss: 315. — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Haustator subula* (Deshayes, 1832) (Le Renard & Pacaud 1995: 104; Pacaud 2008: 48).

*sulcifera*, *Turritella* – Deshayes, 1832-DescrCoqFoss: 278, 19, pl. 35, figs 5-6, 20, pl. 36, figs 3-4, 21, pl. 37, figs 19-20; 1843-HistNatAnim2: 273; 1843-HistNatAnim3: 597-598. 1861-DescrCoqFoss: 310. — Type localities: Valmondois, La Chapelle-en-Serval & Monneville. — Type age: Eocene (Bartonian). *Torquesia* (*Ispharina*) *sulcifera* (Deshayes, 1832) (Le Renard & Pacaud 1995: 104). — Current status: *Ispharina sulcifera* (Deshayes, 1832) (Jeffery & Tracey 1997: 82, 91, pl. 7, fig. 4).

*trochoides*, *Turritella* (*Mesalia*) – Deshayes, 1861-DescrCoqFoss: 328, 15, pl. 15, figs 26-28. — Type localities: Beynes & Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Sigmesalia trochoides* (Deshayes, 1861) (Le Renard & Pacaud 1995: 104; Pacaud 2008: 49).

*turbinooides*, *Turritella* (*Mesalia*) – Deshayes, 1861-DescrCoqFoss: 328, 15, pl. 15, figs 17-19. — Type localities: Aizy-Jouy, Cœuvres-et-Valsery, Sermoise, Retheuil, Hérouval & Cuise-la-Motte. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32439, syntype from Aizy-Jouy. — Current status: *Sigmesalia turbinooides* (Deshayes, 1861) (Le Renard & Pacaud 1995: 104).

*turriculatus*, *Proto* – Deshayes, 1832-EncyMeth: 850. — Type localities: Bordeaux & Dax. — Type age: Miocene. *Proto* Blainville, 1824, ex Defrance ms, is non Leach, 1814 [Crustacea], and is now regarded as a synonym of *Turritella* Lamarck, 1799. Synonym of *Turritella quadriplicata* Basterot, 1825 (Grateloup 1845: pl. 2 [16], fig. 5). — Current status: synonym of *Turritella cathedralis* Brongniart, 1823 (Hörnes 1855: 419), now *Allmonia cathedralis* (Brongniart, 1823).

*vaudini*, *Turritella* – Deshayes, 1861-DescrCoqFoss: 14, pl. 14, figs 29-31 [not in text]. — Type locality: none given. Eocene (Ypresian). — Current status: *Zaria* ? *vaudini* (Deshayes, 1861) (Le Renard & Pacaud 1995: 104).

*wateleti*, *Turritella* (*Mesalia*) – Deshayes, 1861-DescrCoqFoss: 325, 15, pl. 15, figs 9-12. — Type localities: Cuise-la-Motte, Pierrefonds, Cuisy-en-Almont & Laon. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32436, syntypes from Cuise-la-Motte. — Current status: *Sigmesalia wateleti* (Deshayes, 1861) (Le Renard & Pacaud 1995: 104).

*crassior*, *Turritella sulcifera* – Graves, 1847: 602, ex Deshayes ms, is a *nomen nudum*.

*vermicularis*, *Turritella* – E. Lamy (1927: 380) attributed this species to "Laborde" (i.e., Deshayes, in Laborde, 1833d: 66, pl. 65, figs 11-



12), but Deshayes had cited *Turbo vermicularis* Brocchi (1814: pl. 6, fig. 13), now *Helminthia vermicularis* (Brocchi, 1814) (Landau et al. 2013: 62–64, pl. 5, fig. 11), so Deshayes' usage was a new combination, not a new species. Deshayes stated that this material was the Recent analog of Brocchi's fossil species ["l'analogue vivant de la coquille fossile figurée par Brocchi"], so that Deshayes' usage of "Nob." [*nobis* or new] for this species was in error. Brocchi's species is limited to the Early Miocene to Early Pleistocene of the Mediterranean and is not known living (Landau et al. 2013: 64), so Deshayes' living material may be referable to another Red Sea turritellid.

#### Family CAPULIDAE J. Fleming, 1822

*Mesostoma* – Deshayes, 1861-*DescrCoqFoss*: 416–419, non Ehrenberg, 1837 [Turbellaria]. — Type species (OD): *Mesostoma pulchra* Deshayes, 1861. France. — Type age: Eocene. — Current status: synonym of *Trichotropis* Broderip & G. B. Sowerby I, 1825.

*angulata*, *Mesostoma* – Deshayes, 1861-*DescrCoqFoss*: 418–419; 1862-*DescrCoqFoss*: 28, pl. 28, figs 9–12. — Type locality: Damery. — Type age: Eocene (Lutetian). — Current status: *Trichotropis angulata* (Deshayes, 1861) (Le Renard & Pacaud 1995: 105; Pacaud 2008: 50).

*dilatatus*, *Parmophorus* – Deshayes, 1861-*DescrCoqFoss*: 253, 6, pl. 6, figs 1–4. — Type localities: Thiverval-Grignon & Le Fayel. — Type age: Eocene (Lutetian–Bartonian). — Current status: *Capulus dilatatus* (Deshayes, 1861) (Le Renard & Pacaud 1995: 97; Pacaud 2008: 50).

*grata*, *Mesostoma* – Deshayes, 1861-*DescrCoqFoss*: 418; 1862-*DescrCoqFoss*: 28, pl. 28, figs 5–8. — Type locality: Les Groux. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32498, syntype. — Current status: *Trichotropis grata* (Deshayes, 1861) (Le Renard & Pacaud 1995: 105; Pacaud 2008: 50).

*ongaricus*, *Pileopsis* – Deshayes, 1830a-*EncyMeth*: 153. Incorrect subsequent spelling of *Capulus ungarica* (Linnaeus, 1758) [*Patella*].

*patulus*, *Pileopsis* – Deshayes, 1861-*DescrCoqFoss*: 265–266, 4, pl. 4, figs 19–30. — Type localities: Cuisse-la-Motte & Parnes. — Type age: Eocene (Ypresian–Lutetian). — Current status: *Capulus patulus* (Deshayes, 1861) (Le Renard & Pacaud 1995: 97; Pacaud 2008: 50).

*pulchra*, *Mesostoma* – Deshayes, 1861-*DescrCoqFoss*: 417; 1862-*DescrCoqFoss*: 28, pl. 28, figs 13–16. — Type locality: Chaussy. — Type age: Eocene (Lutetian). — Current status: *Trichotropis pulchra* (Deshayes, 1861) (Le Renard & Pacaud 1995: 105; Pacaud 2008: 50).

*reducta*, *Pileopsis* (*Brocchia*) – Deshayes, 1863: 51. *Nomen nudum*.

*singularis*, *Pileopsis* – Deshayes, 1861-*DescrCoqFoss*: 264–265, 4, pl. 4, figs 19–22. — Type localities: Chaumont-en-Vexin & Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Capulus singularis* (Deshayes, 1861) (Le Renard & Pacaud 1995: 97; Pacaud 2008: 50).



*cancellaroides*, *Mesostoma* – Deshayes, 1861-*DescrCoqFoss*: 419; 1862-*DescrCoqFoss*: 28, pl. 28, figs 1–4. *Trichotropis cancellaroides* (Deshayes, 1861) (Le Renard & Pacaud 1995: 105). However, first made available by Melleville (1843), as *Cerithium cancellaroides* (Melleville 1843: 104 [58, 85], pl. 7, fig. 6–7). Laon. — Type age: Eocene (Ypresian). — Current status: *Trichotropis cancellaroides* (Melleville, 1843).

#### Family CINGULOPSIDAE Fretter & Patil, 1958

*dissita*, *Bithinia* – Deshayes, 1862-*DescrCoqFoss*: 506, 34, pl. 34, figs 10–12. — Type localities: Chaussy, Mouy, Saint-Félix, Cham-

bors & Houdan. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32524, syntypes from Chaussy. — Type species (OD) of *Dieretostoma* Cossmann, 1888. — Current status: *Dieretostoma dissitum* (Deshayes, 1862) (Le Renard & Pacaud 1995: 98; Pacaud 2008: 50).

#### Family EPITONIIDAE Berry, 1910 [1812]

*Acyonaea* – Deshayes, 1830a-*EncyMeth*: 6, ex Leach ms. Incorrect subsequent spelling of *Aciona* Leach, 1815, an objective synonym of *Epitonium* Röding, 1798.

*aemula*, *Scalaria* – Deshayes, 1861-*DescrCoqFoss*: 348, 14, pl. 14, figs 7–9. — Type localities: Châlons-sur-Vesle & Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Current status: *Opalia* (*Crassiscala*) *aemula* (Deshayes, 1861) (Le Renard & Pacaud 1995: 93).

*affinis*, *Scalaria* – Deshayes, 1861-*DescrCoqFoss*: 339–340, 12, pl. 12, figs 4–5. — Type localities: Le Guépelle & Chéry-Chertreuve. — Type age: Eocene (Bartonian). — Current status: *Amaea* (*Acrilla*) *affinis* (Deshayes, 1861) (Le Renard & Pacaud 1995: 93).

*aizyensis*, *Scalaria* – Deshayes, 1861-*DescrCoqFoss*: 332–333, 12, as *Scalaria* "multicincta Watelet", pl. 12, fig. 22, 13, 13, pl. 13, figs 14–16 [no correction noted, so figure on pl. 12 uncertain]. — Type localities: Aizy-Jouy, Cuisse-la-Motte & Laon. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32416, syntypes from Cuisse-la-Motte. — Current status: *Epitonium* (*Crisposcala*) *aizyensis* (Deshayes, 1861) (Le Renard & Pacaud 1995: 93).

*angusta*, *Scalaria* – Deshayes, 1861-*DescrCoqFoss*: 342, 12, pl. 12, figs 6–7 [22 May]; 1861-*DescrCoqFoss*: 342 [20 November]. Not preoccupied by *Scalaria angusta* Dunker, 1861 [pre-August]. — Type localities: Thiverval-Grignon & Berchères-sur-Vesgre. — Type age: Eocene (Lutetian). *Scala* (*Acrilla*) *perangusta* de Boury, 1913 (de Boury 1913: 87, 96), unnecessary replacement name. *Amaea* (*Acrilla*) *perangusta* (Boury, 1913) (Le Renard & Pacaud 1995: 93). — Current status: *Acrilla angusta* (Deshayes, 1861) (Pacaud herein).

*auversiensis*, *Scalaria* – Deshayes, 1861-*DescrCoqFoss*: 345, 25, pl. 25, fig. 1. — Type localities: Auvers-sur-Oise & Mary-sur-Marne. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32487, syntype from Auvers-sur-Oise. — Current status: *Acirsa* (*Plesioacirsa*) *auversiensis* (Deshayes, 1861) (Le Renard & Pacaud 1995: 94).

*barrandei*, *Scalaria* – Deshayes, 1861-*DescrCoqFoss*: 332, 12, pl. 12, figs 11–12. — Type locality: Cuisse-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Epitonium* (*Crisposcala*) *barrandei* (Deshayes, 1861) (Le Renard & Pacaud 1995: 92).

*brevicula*, *Scalaria* – Deshayes, 1861-*DescrCoqFoss*: 335, 11, pl. 11, figs 13–14. — Type locality: Le Fayel. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32406, 2 syntypes. — Current status: *Cirsotrema* (*Circuloscala*) *breviculum* (Deshayes, 1861) (Le Renard & Pacaud 1995: 93).

*caelata*, *Melania* – Deshayes, 1862-*DescrCoqFoss*: 452, 30, pl. 30, figs 1–3. — Type locality: Bazoches. — Type age: Eocene (Ypresian). *Acirsa* (*Plesioacirsa*) *subtenuistriata* [d'Orbigny, 1850] *caelata* (Deshayes, 1862) (Le Renard & Pacaud 1995: 94). — Current status: synonym of *Acirsa* (*Plesioacirsa*) *subtenuistriata* (d'Orbigny, 1850) (Pacaud 2007: 42).

*caillati*, *Scalaria* – Deshayes, 1861-*DescrCoqFoss*: 351, 13, pl. 13, figs 18–20. — Type localities: Thiverval-Grignon, Parnes & Damery. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32424, syntype from Thiverval-Grignon. — Current status: synonym of *Opalia* (*Crassiscala*) *francisci* (Caillat, 1835) (Pacaud herein).

*contabulata*, *Scalaria* – Deshayes, 1861-DescrCoqFoss: 334-335, 11, pl. 11, figs 11-12. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32405, syntype. — Current status: *Cirsotrema* (*Gyroscala*) *contabulatum* (Deshayes, 1861) (Le Renard & Pacaud 1995: 93).

*coronalis*, *Scalaria* – Deshayes, 1861-DescrCoqFoss: 337-338, 11, as *Scalaria* “*coronata*”, pl. 11, figs 7-8; 1865-DescrCoqFoss: 666 [error corrected]. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32403, syntype. — Type species (OD) of *Coroniscala* de Boury, 1909. — Current status: *Cirsotrema* (*Coroniscala*) *coronale* (Deshayes, 1861) (Le Renard & Pacaud 1995: 93; Pacaud 2008: 58).

*crassicosata*, *Scalaria* – Deshayes, 1850-TraitElem: 42, pl. 70, figs 1-3, non G. B. Sowerby II, 1844. — Type locality: none given [France]. — Type age: Miocene (Burdigalian). This species was a *nomen nudum* in Verneuil (1839: 76). Synonym of *Scalaria* (*Cirsotrema*) *rustica* Defrance, 1827 (Boury 1913: 100). *Cirsotrema crassicosatum* (Deshayes, 1850) (Cossmann & Peyrot 1922: 151-152, pl. 4, figs 79-80, 97-98; Lozouet *et al.*, 2001: 51-52, pl. 19, fig. 6). There are two other potential synonyms: *Cirsotrema rustica* (Defrance, 1827) [*Scalaria*]; Boury, 1913, considered it to be the same as Deshayes' species, but this taxon was unfigured and the type was lost in the war in 1944 from the Defrance collection in Caen, and *Cirsotrema thais* Boury, in Cossmann, 1912, considered by Lozouet *et al.* (2001: 51-52) as a synonym of the Deshayes species. — Current status: *Cirsotrema crassicosatum* (Deshayes, 1850) (Van der Voort 2024).

*elegantissima*, *Scalaria* – Deshayes, 1861-DescrCoqFoss: 337, 12, pl. 12, figs 1-2. — Type localities: Le Vivray & Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Type species (OD) of *Elegantiscala* Boury, 1911. Family placement of *Elegantiscala* remains uncertain (L. G. Brown & Neville 2015: 23). — Current status: *Cirsotrema* (*Elegantiscala*) *elegantissima* (Deshayes, 1861) (Le Renard & Pacaud 1995: 93; Pacaud 2008: 58).

*erasa*, *Scalaria* – Deshayes, 1861-DescrCoqFoss: 350, 12, pl. 12, fig. 13, as *S. “erassa”*. Unnecessary replacement name for *Melania tenuicosta* Baudon, 1853, non *Scalaria tenuicostata* Michaud, 1829, which are not homonyms. — Type localities: Chaussy & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). *Acirsa* (*Acirsella*) *erasa* (Deshayes, 1861) (Le Renard & Pacaud 1995: 94; Pacaud 2008: 58). — Current status: *Acirsa tenuicosta* (Baudon, 1853) (Pacaud herein).

*gouldi*, *Scalaria* – Deshayes, 1861-DescrCoqFoss: 346, 11, pl. 11, figs 15-16. — Type localities: Parnes & Saint-Félix. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32407, syntype from Parnes. — Type species (OD) of *Pliciscala* Boury, 1887. *Opalia* (*Pliciscala*) *gouldi* (Deshayes, 1861) (Le Renard & Pacaud 1995: 93). *Opalia* (*Dentiscala*) *gouldi* (Deshayes, 1861) (Pacaud 2008: 58). — Current status: *Opalia* (*Pliciscala*) *gouldi* (Deshayes, 1861) (Pacaud herein).

*inermis*, *Scalaria* (*Pyrgiscus*) – Deshayes, 1861-DescrCoqFoss: 354, 16, pl. 16, figs 26-28. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32447, 2 syntypes. — Type species (OD) of *Acirsella* Boury, 1886. — Current status: synonym of *Acirsa canicularis* (Lamarck, 1804) (Pacaud herein).

*involuta*, *Scalaria* – Deshayes, 1861-DescrCoqFoss: 333-334, 12, pl. 12, fig. 21. — Type localities: Cuise-la-Motte, Mercin-et-Vaux & Laon. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32415, syntype from Cuise-la-Motte. — Current status: synonym of *Epitonium* (*Crisposcala*) *aizyense* (Deshayes, 1861) (Pacaud herein).

*lamarckii*, *Scalaria* – Deshayes, 1861-DescrCoqFoss: 347, 11, pl. 11, figs 33-34. — Type locality: Hérouval. — Type age: Eo-

cene (Lutetian). — Type material: UCBL-EM 32412, syntypes. *Opalia* (*Pliciscala*) *lamarckii* (Deshayes, 1861) (Le Renard & Pacaud 1995: 93). — Current status: synonym of *Opalia* (*Pliciscala*) *monilifera* (Melleville, 1843) (Pacaud herein).

*lamberti*, *Scalaria* – Deshayes, 1861-DescrCoqFoss: 349, 11, pl. 11, figs 27-28. — Type locality: Mercin-et-Vaux. — Type age: Eocene (Ypresian). — Type species (OD) of *Torquatiscala* Boury, 1912, which has recently been regarded as a synonym of *Cylindriscala* Boury, 1909. *Amaea* (*Acrilla*) *lamberti* (Deshayes, 1861) (Le Renard & Pacaud 1995: 93). — Current status: *Cylindriscala lamberti* (Deshayes, 1861) (Pacaud herein).

*marginalis*, *Scalaria* – Deshayes, 1861-DescrCoqFoss: 347, 11, pl. 11, figs 29-30. — Type localities: Cuise-la-Motte & Laon. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32409, syntype from Laon. — Current status: *Opalia* (*Pliciscala*) *lamarckii* [Deshayes, 1861] *marginalis* (Deshayes, 1861) (Le Renard & Pacaud 1995: 93).

*michelini*, *Scalaria* – Deshayes, 1861-DescrCoqFoss: 341, 23, pl. 23, figs 10-12. — Type locality: Le Fayel. — Type age: Eocene (Bartonian). — Current status: *Tenuiscala* (*Tenuiscala*) *michelini* (Deshayes, 1861) (Le Renard & Pacaud 1995: 93).

*obsoleta*, *Scalaria* – Deshayes, 1861-DescrCoqFoss: 348, 12, pl. 12, fig. 10. — Type locality: Aizy-Jouy. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32413, syntype. Synonym of *Opalia* (*Pliciscala*) *monilifera* (Melleville, 1843) (Pacaud herein).

*perplexa*, *Scalaria* – Deshayes, 1863: 60-61, pl. 8, fig. 1, ex Pease ms. — Type locality: La Réunion. — Type age: Recent. — Current status: synonym of *Gyroscala lamellosa* (Lamarck, 1822) [*Scalaria*] (L. G. Brown & Neville 2015: 121, following advice from Kilburn).

*primula*, *Scalaria* – Deshayes, 1861-DescrCoqFoss: 339, 11, pl. 11, figs 25-26. — Type locality: Mouy. — Type age: Eocene (Lutetian). — Type species (OD) of *Cerithiscala* Boury, 1887. — Current status: *Tenuiscala* (*Cerithiscala*) *primula* (Deshayes, 1861) (Le Renard & Pacaud 1995: 93; Pacaud 2008: 58).

*propinqua*, *Scalaria* – Deshayes, 1861-DescrCoqFoss: 345-346, 11, pl. 11, figs 31-32. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32411, syntype. *Opalia* (*Pliciscala*) *gouldi* [Deshayes, 1861] *propinqua* (Deshayes, 1861) (Le Renard & Pacaud 1995: 93). — Current status: *Opalia* (*Pliciscala*) *propinqua* (Deshayes, 1861) (Pacaud 2008: 58).

*sandbergeri*, *Scalaria* – Deshayes, 1861-DescrCoqFoss: 335-336, 23, pl. 23, figs 5-6. — Type locality: Villepreux. — Type age: Oligocene (Rupelian). Preoccupies *Scalaria rudis sandbergeri* Sacco, 1891. — Current status: *Epitonium sandbergeri* (Deshayes, 1861) (Lozouet & Maestrati 2012b: 30).

*sculptata*, *Scalaria* – Deshayes, 1861-DescrCoqFoss: 12, pl. 12, figs 8-9; 1865-DescrCoqFoss: 338-339. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian); 666 [error pro *Scalaria cerithiformis* Watelet, 1853]. This species is very similar to *Foratiscala cerithiformis* (Watelet, 1853), with which Deshayes confused it; his taxon is now regarded as a full species. — Current status: *Foratiscala sculptata* (Deshayes, 1861) (Le Renard & Pacaud 1995: 94).

*striatula*, *Scalaria* – Deshayes, 1832-DescrCoqFoss: 198, 15, pl. 25, figs 6-8; 1843-HistNatAnim2: 81; 1843-HistNatAnim3: 531; 1861-DescrCoqFoss: 350. — Type locality: Châteauroux. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32199, holotype. — Current status: *Acirsa* (*Acirsella*) *striatula* (Deshayes, 1861) (Le Renard & Pacaud 1995: 94; Pacaud 2008: 58).



*striatularis*, *Scalaria* (*Pyrgiscus*) – Deshayes, 1861-DescrCoqFoss: 354, 12, pl. 12, fig. 16. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Current status: synonym of *Acirsa* (*Acirsella*) *striatula* (Deshayes, 1832) (Pacaud herein).

*subplicata*, *Scalaria* – Deshayes, 1861-DescrCoqFoss: 351, 12, pl. 12, fig. 15. — Type locality: Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). *Acirsa* (*Plesioacirsa*) *subplicata* (Deshayes, 1861) (Le Renard & Pacaud 1995: 93, 94). — Current status: *Acirsa* *subplicata* (Deshayes, 1861) (Leroy et al. 2014: 25, pl. 21, figs 8-9).

*tenuilamella*, *Scalaria* – Deshayes, 1825-DescrCoqFoss: 13, pl. 22, figs 11-14; 1832: 195-196; 1843-HistNatAnim2: 82; 1843-HistNatAnim3: 531-532. 1861-DescrCoqFoss: 331-332. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32185, syntype. — Current status: *Epitonium* (*Crisposcala*) *tenuilamella* (Deshayes, 1825) (Le Renard & Pacaud 1995: 92; Pacaud 2008: 58).

*transversaria*, *Scalaria* (*Pyrgiscus*) – Deshayes, 1861-DescrCoqFoss: 355, 12, pl. 12, fig. 20. — Type localities: Laon, Cuise-la-Motte & Laversine. — Type age: Eocene (Ypresian). — Current status: *Acirsa* (*Acirsella*) *transversaria* (Deshayes, 1861) (Le Renard & Pacaud 1995: 94).

*turrella*, *Scalaria* – Deshayes, 1861-DescrCoqFoss: 352, 11, pl. 11, figs 23-24. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32410, holotype. — Current status: synonym of *Opalia* (*Dentiscala*) *plicata* (Lamarck, 1804) (Pacaud herein).

*variculosa*, *Scalaria* – Deshayes, 1861-DescrCoqFoss: 349, 12, pl. 12, fig. 14. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Current status: *Opalia* (*Crassiscala*) *variculosa* (Deshayes, 1861) (Le Renard & Pacaud 1995: 93; Pacaud 2008: 58).

*vinsoni*, *Jantina* [sic] – Deshayes, 1863: 94, 144 [corrected to *Janthina*], pl. 11, figs 9, 11. — Type locality: La Réunion. — Type age: Recent. — Current status: synonym of *Janthina* *exigua* Lamarck, 1816.

*wardi*, *Scalaria* – Deshayes, 1861-DescrCoqFoss: 352, 11, pl. 11, figs 17-19. — Type localities: Thiverval-Grignon, Parnes & Damery. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32408, 2 syntypes. — Current status: synonym of *Opalia* (*Dentiscala*) *plicata* (Lamarck, 1804) (Pacaud herein).

*woodi*, *Scalaria* – Deshayes, 1861-DescrCoqFoss: 339. — Type locality: England. — Type age: Coralline Crag, Pliocene. *Amaea woodi* (Deshayes, 1861) (Marquet & Landau 2006: 34, fig. 8/4a-f). Not to be confused with *Scalaria woodiana* Nyst, in Omalius d'Halloy, 1862 & 1868, nor with *Scalaria woodana* Nyst, in Dewalque, 1868, both *nomen nuda*, now *Scalaria hennei* Nyst, 1871. — Current status: synonym of *Clathroscala cancellata* (Brocchi, 1814) [*Turbo*] (Van Dingenen et al. 2016: 166-167, pl. 15, fig. 9).

#### Family HIPPONICIDAE Troschel, 1861

#### NOTE

*Hipponyx* is a subsequent incorrect spelling of *Hipponix* DeFrance, 1819.

*comatus*, *Hipponyx* – Deshayes, 1861-DescrCoqFoss: 271, 13, pl. 13, figs 9-11 [in text as figs 9-10]; 1865-DescrCoqFoss: 665 [error corrected]. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32422, holotype. — Current status: *Hipponix* (*Pilosabia*) *comatus* Deshayes, 1861 (Le Renard & Pacaud 1995: 97; Pacaud 2008: 57).

*comptus*, *Hipponyx* – Deshayes, 1861-DescrCoqFoss: 269-270, 4, pl. 4, figs 16-18. — Type localities: Liancourt-Saint-Pierre, Parnes, Saint-Félix & Vaudancourt. — Type age: Eocene (Lutetian). *Hipponix* (*Pilosabia*) *comptus* Deshayes, 1861 (Le Renard & Pacaud 1995: 97; Pacaud 2008: 57).

*elegans*, *Pileopsis* – Deshayes, 1824-DescrCoqFoss: 25-26, 2, pl. 3, figs 16-19; 1825-DictClass8: 214, as *Hipponix*; 1832-EncyMeth: 276, as *Hipponix*; 1836-HistNatAnim2: 617-618; 1843-HistNatAnim3: 213, both as *Hipponix*; 1861-DescrCoqFoss: 270, as *Hipponyx*. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Hipponix* (*Pilosabia*) *elegans* (Deshayes, 1824) (Le Renard & Pacaud 1995: 97; Pacaud 2008: 57).

*heberti*, *Hipponyx* – Deshayes, 1861-DescrCoqFoss: 270, 4, pl. 4, figs 26-28. — Type localities: Auvers-sur-Oise & Cresnes. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32387, syntype (Deshayes coll.) from Auvers-sur-Oise and MNHN.F.J04153, syntype (Hebert coll.), from Cresnes. — Current status: *Hipponix* (*Pilosabia*) *patelloides* [Deshayes, 1824] *heberti* (Deshayes, 1861) (Le Renard & Pacaud 1995: 97).

*opercularis*, *Pileopsis* – Deshayes, 1824-DescrCoqFoss: 28, 2, pl. 3, figs 8-10, 20-22 [figs 20-22 not listed in text]; 1825-DictClass8: 214, as *Hipponix*; 1832-EncyMeth: 277; 1836-HistNatAnim2: 618-619; 1837-DescrCoqFoss: 811, correction regarding figures made; 1843-HistNatAnim3: 227; 1861-DescrCoqFoss: 272-273. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Current status: *Leptonotis opercularis* (Deshayes, 1824) (Le Renard & Pacaud 1995: 97; Pacaud 2008: 57).

*parasiticus*, *Hipponix* – Deshayes, 1850-TraitElem: 38, pl. 63, figs 3-5. — Type locality: none given. — Type age: Recent. — Current status: *taxon inquirendum*.

*patelloides*, *Pileopsis* – Deshayes, 1824-DescrCoqFoss: 25, 2 [as *P. "patelliformis"*], pl. 3, figs 23-25; 1836-HistNatAnim2: 613; 1843-HistNatAnim3: 223-224. 1861-DescrCoqFoss: 271, as *Hipponyx*; *Patella striatula* Deshayes, 1824, added as synonym. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32131, syntype. — Current status: *Hipponix* (*Pilosabia*) *patelloides* (Deshayes, 1824) (Le Renard & Pacaud 1995: 97; Pacaud 2008: 57).

*pilosus*, *Pileopsis* – Deshayes, 1832a: [1], pl. 9; 1836-HistNatAnim2: 614; 1843-HistNatAnim3: 226. — Type locality: none given. — Type age: Recent. — Type species (OD) of *Pilosabia* Iredale, 1929. — Current status: synonym of the Indo-Pacific *Pilosabia trigona* (Gmelin, 1791) [*Patella*] (Rehder 1980: 61, pl. 8, figs 5-6).

*radiata*, *Hipponix* – Deshayes, 1832-EncyMeth: 275, *non* Blainville, 1824, *nec* Quoy & Gaimard, 1825; 1836-HistNatAnim2: 616-617; 1843-HistNatAnim3: 227. — Type locality: none given. — Type locality: Valognes. — Type age: Eocene (Lutetian). All preoccupied *H. radiata* G. B. Sowerby I, 1835, *ex* J. E. Gray ms, now regarded as a synonym of *Hipponix grayanus* Menke, 1853. — Current status: synonym of *Pilosabia crispa* (DeFrance, 1825) [*Orbicula*] (Pacaud herein).

*striatula*, *Patella* – Deshayes, 1824-DescrCoqFoss: 10, 1 [fig. 19 miswritten as 13], pl. 1, figs 14, 19, *non* Gmelin, 1791; 1837-DescrCoqFoss: 813 [correction made]; 1861-DescrCoqFoss: 271. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Current status: synonym of *Pilosabia patelloides* (Deshayes, 1824) (Pacaud herein).

*striatula*, *Pileopsis* – Deshayes, 1830a-EncyMeth: 156; 1836-HistNatAnim2: 614; 1843-HistNatAnim3: 226. — Type locality: Dax. — Type age: Miocene. — Current status: *Hipponix striatulus* (Deshayes, 1830) (Lozouet et al. 2001: 40, pl. 16, fig. 2a-b).

*sublamellosus*, *Hipponyx* – Deshayes, 1861-*DescrCoqFoss*: 271-272, 4, pl. 4, figs 14-15. — Type localities: Thiverval-Grignon, Mouchy-le-Châtel, Saint-Félix & Gisors. — Type age: Eocene (Lutetian). — Current status: *Hipponyx (Hipponyx) sublamellosus* Deshayes, 1861 (Le Renard & Pacaud 1995: 97; Pacaud 2008: 57).

*tuba*, *Hipponyx* – Deshayes, 1861-*DescrCoqFoss*: 272, 4, pl. 4, figs 23-25 [in text as pl. 3]; 1865-*DescrCoqFoss*: 665 [error corrected]. — Type localities: Parnes, Chaumont-en-Vexin & Vaudancourt. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32386, syntype from Parnes. — Current status: *Hipponyx (Hipponyx) tuba* Deshayes, 1861 (Le Renard & Pacaud 1995: 97; Pacaud 2008: 57).

*sulcatus*, *Capulus* – Listed by Couffon (1907: 190) as a Deshayes species, it was originally proposed as *Patella sulcata* Borson, 1820, now *Hipponyx sulcata* (Borson, 1820).

#### Family LITTORINIDAE Children, 1834

*castanea*, *Littorina* – Deshayes, 1843-*HistNatAnim2*: 206-207, ex Schröter, 1779 ms [unavailable]; 1843-*HistNatAnim3*: 574; 1850-*TraitElem*: 42, pl. 69, figs 8-9. — Type locality: North Sea. — Type age: Recent. Unnecessary replacement name for *Littorina groenlandica* Menke, 1830 (Menke 1830: 45), non Chemnitz, 1781 [unavailable]. — Type material: MNHN-IM-2000-5726, 24 syntypes. — Current status: synonym of *Littorina saxatilis* (Olivier, 1792) [*Turbo*] (Bequaert 1943: 8; Reid 1996: 282).

*densestriata*, *Littorina* – Deshayes, 1861-*DescrCoqFoss*: 361, 13, as *Littorina*, pl. 13, figs 29-31. — Type locality: Hérouval. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32419, syntype. — Current status: *Littorina (Littorinopsis) densestriata* (Deshayes, 1861) (Le Renard & Pacaud 1995: 101).

*dutemplei*, *Lacuna* – Deshayes, 1861-*DescrCoqFoss*: 375-376, 17, pl. 17, figs 28-30. — Type locality: Damery. — Type age: Eocene (Lutetian). — Current status: *Lacuna dutemplei* Deshayes, 1861 (Le Renard & Pacaud 1995: 101; Pacaud 2008: 51).

*globulosa*, *Lacuna* – Deshayes, 1861-*DescrCoqFoss*: 376, 17, pl. 17, figs 7-9. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32449, syntype. — Current status: *Lacuna globulosa* Deshayes, 1861 (Le Renard & Pacaud 1995: 101; Pacaud 2008: 51).

*grateloupi*, *Littorina* – Deshayes, 1843-*HistNatAnim2*: 213; 1843-*HistNatAnim3*: 482. — Type localities: Dax & Touraine. — Type age: Miocene. — Current status: *Littorinopsis grateloupi* (Deshayes, 1843) (Lozouet *et al.* 2001: 30, pl. 12, fig. 2).

*heterogena*, *Quoyia* – Deshayes, 1861-*DescrCoqFoss*: 382, 16, pl. 16, figs 5-7. — Type localities: Pierrefonds & Hérouval. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32442, syntype from Hérouval. — Type species (OD) of *Dissochilus* Cossmann, 1888. — Current status: *Dissochilus heterogena* (Deshayes, 1861) (Le Renard & Pacaud 1995: 102).

*incompleta*, *Littorina* – Deshayes, 1861-*DescrCoqFoss*: 364, 13, as *Littorina*, pl. 13, figs 35-37. — Type locality: Hermonville. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32421, syntype. — Current status: *Littorina incompleta* Deshayes, 1861 (Le Renard & Pacaud 1995: 101; Pacaud 2008: 51).

*levata*, *Littorina* – Deshayes, 1861-*DescrCoqFoss*: 361, 13, as *Littorina*, pl. 13, figs 24-26. — Type locality: Auvers-sur-Oise. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32425,

syntype. — Current status: *Melarhappe levata* (Deshayes, 1861) (Le Renard & Pacaud 1995: 101).

*loustai*, *Lacuna* – Deshayes, 1861-*DescrCoqFoss*: 369-370, 20, pl. 20, figs 8-10. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). *Epheria loustai* (Deshayes, 1861) (Le Renard & Pacaud 1995: 101; Pacaud 2008: 51). — Current status: *Lacuna loustai* Deshayes, 1861 (Pacaud herein).

*macrostoma*, *Lacuna* – Deshayes, 1861-*DescrCoqFoss*: 373-374, 16, pl. 16, figs 23-25. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32867, syntype. — Current status: *Lacunaria macrostoma* (Deshayes, 1861) (Le Renard & Pacaud 1995: 96; Pacaud & Pons 2015a: 34, figs 4-6).

*melanoides*, *Phasianella* – Deshayes, 1832-*DescrCoqFoss*: 268, 20 [caption for fig. 20 miswritten with “bis”], pl. 34, figs 20-22; 1837-*DescrCoqFoss*: 813 [correction noted]; 1843-*HistNatAnim2*: 212-213; 1843-*HistNatAnim3*: 482, both as *Littorina*; 1861-*DescrCoqFoss*: 363, as *Littorina*. — Type locality: Houdan. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32226, syntype. — Current status: *Littorina melanoides* (Deshayes, 1832) (Le Renard & Pacaud 1995: 101; Pacaud 2008: 51).

*minutus*, *Trochus* – Deshayes, 1832-*DescrCoqFoss*: 239-240, 17, pl. 29, figs 15-18, non Dillwyn, 1817; 1843-*HistNatAnim2*: 169-170; 1843-*HistNatAnim3*: 562; 1864-*DescrCoqFoss*: 956, as *Trochus (Diloma)*. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Current status: *Peasiella petiti* Le Renard, 1994 (Le Renard 1994: 37), replacement name (Le Renard & Pacaud 1995: 101).

*mirabilis*, *Lacuna* – Deshayes, 1861-*DescrCoqFoss*: 372-373, 18, pl. 18, figs 1-3. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). *Epheria mirabilis* (Deshayes, 1861) (Le Renard & Pacaud 1995: 101; Pacaud 2008: 51). — Current status: *Lacuna mirabilis* Deshayes, 1861 (Pacaud herein).

*mitis*, *Littorina* – Deshayes, 1861-*DescrCoqFoss*: 363, 18, pl. 18, figs 4-6. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32457, holotype. — Current status: *Littorina mitis* Deshayes, 1861 (Le Renard & Pacaud 1995: 101; Pacaud 2008: 51).

*monodonta*, *Littorina* – Deshayes, 1861-*DescrCoqFoss*: 365, 16, pl. 16, figs 12-14. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Type species (OD) of *Prosthenodon* Cossmann, 1888. — Current status: *Prosthenodon monodonta* (Deshayes, 1861) (Le Renard & Pacaud 1995: 101; Pacaud 2008: 51).

*multisulcata*, *Phasianella* – Deshayes, 1832-*DescrCoqFoss*: 267-268, 22, pl. 38, figs 19-21; 1843-*HistNatAnim2*: 212; 1843-*HistNatAnim3*: 575-576, both as *Littorina*; 1861-*DescrCoqFoss*: 361, as *Littorina*. — Type locality: Houdan. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32244, syntypes. — Current status: synonym of *Littoraria (Littorinopsis) elongata* (DeFrance, 1827) [*Rissoa*] (Le Renard & Pacaud 1995: 101; Tréguier & Pacaud 2018: 208).

*prisca*, *Littorina* – Deshayes, 1861-*DescrCoqFoss*: 362, 13, as *Littorina*, pl. 13, figs 32-34. — Type locality: Cuisse-la-Motte. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32420, syntypes. — Current status: synonym of *Littoraria (Littorinopsis) densestriata* (Deshayes, 1861) (Pacaud herein).

*pulchella*, *Lacuna* – Deshayes, 1861-*DescrCoqFoss*: 378-379, 17, pl. 17, figs 16-18. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Current status: *Lacuna pulchella* Deshayes, 1861 (Le Renard & Pacaud 1995: 101; Pacaud 2008: 51).



*rissoides*, *Littorina* – Deshayes, 1861-*DescrCoqFoss*: 364-365, 13, as *Litorina*, pl. 13, figs 27-28. — Type locality: Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Current status: *Littoraria* (? *Lamellittorina*) *rissoides* Deshayes, 1861 (Le Renard & Pacaud 1995: 101).

*sigaretina*, *Lacuna* – Deshayes, 1861-*DescrCoqFoss*: 374-375, 18, pl. 18, figs 12-14. — Type locality: Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Current status: *Lacunaigaretina* Deshayes, 1861 (Le Renard & Pacaud 1995: 102).

*subangulata*, *Littorina* – Deshayes, 1861-*DescrCoqFoss*: 362-363, 13, as *Litorina*, pl. 13, figs 21-23. — Type localities: Auvers-sur-Oise & Valmondois. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32418, syntype from Auvers-sur-Oise. — Type species (OD) of *Littorinopsis* Mörch, 1876. — Current status: *Littorina* (*Littorinopsis*) *subangulata* (Deshayes, 1861) (Le Renard & Pacaud 1995: 101; Pacaud 2019: 121, pl. 5, fig. 3a-b).

*tricastalis*, *Phasianella* – Deshayes, 1832-*DescrCoqFoss*: 268-269, 20, pl. 24, figs 23-25; 1843-*HistNatAnim2*: 211-212; 1843-*HistNatAnim3*: 375, both as *Littorina*. — Type locality: Houdan. — Type age: Eocene (Lutetian). UCBL-EM 32227, syntypes. — Current status: synonym of *Littoraria* (*Littorinopsis*) *elongata* (Defrance, 1827) [*Rissoa*] (Le Renard & Pacaud 1995: 101; Tréguier & Pacaud 2018: 208).

*turgida*, *Lacuna* – Deshayes, 1861-*DescrCoqFoss*: 374, 16, pl. 16, figs 13-15. — Type locality: Chaussy. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32451, syntype. — Current status: *Lacunaria turgida* (Deshayes, 1861) (Le Renard & Pacaud 1995: 96; Pacaud 2008: 56).

*variculosa*, *Littorina* – Deshayes, 1861-*DescrCoqFoss*: 363-364, 18, pl. 18, figs 31-32. — Type locality: Acy-en-Multien. — Type age: Eocene (Bartonian). — Current status: *Littorina variculosa* Deshayes, 1861 (Le Renard & Pacaud 1995: 101).

*vitrea*, *Phasianella* – Deshayes, 1863: 76-77, pl. 8, fig. 8. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-31373, holotype. — Current status: synonym of *Littoraria mauritiana* (Lamarck, 1822) [*Littorina*] (Rosewater 1970: 442-443, pls. 325, 338-339, as *Littorina* – fig. Deshayes holotype).

*sulcata*, *Littorina* – Deshayes, 1861-*DescrCoqFoss*: 366, *non* Herbert & Eudes-Deslongchamps, 1860. This is a species name that Deshayes credited to himself in his header, but it was a transfer of *Turbo sulcatus* Pilkington, 1804, to *Littorina*. The latter was a primary junior homonym – *non Turbo sulcatus* Gmelin, 1791.

#### Family POMATIIDAE Newton, 1891 [1828]

*martinii*, *Cyclostoma* – Deshayes, 1853-*TraitElem*: 52, pl. 82, figs 3-4. — Type locality: none given. — Type age: Recent. — Type material: MNHN-IM-2000-5514, 2 syntypes. — Current status: *taxon inquirendum*.

*microstoma*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 412, 32, pl. 59, figs 32-34; 1865-*DescrCoqFoss*: 177-178. — Type locality: Léveumont. — Type age: Eocene. This species does not occur in the Eocene of Léveumont and is instead from the Oligocene (probably Rupelian) (Deshayes 1865: 177). — Current status: synonym of *Potamides lamarkii* Brongniart, 1810, type species (M) of *Potamides* Brongniart, 1810 (Deshayes 1865: 177).

*sparnacense*, *Cyclostoma* – Deshayes, 1863-*DescrCoqFoss*: 883, 57, pl. 57, figs 37-39. — Type locality: Mont-Bernon (Épernay). — Type

age: Eocene (Ypresian). — Current status: *Dissostoma sparnacense* (Deshayes, 1863) (Wenz 1923: 836; Le Renard & Pacaud 1995: 97).

*variabile*, *Cyclostoma* – Deshayes, 1824-*DictClass*: pl. [84], fig. 3a-b; 1824-*DictClass5*: 233-234, as *C. variabile*; 1831-*DictClass17*: 121. — Type locality: Africa; Delalande; Zélé. — Type age: Recent. Preoccupies *Cyclostoma variabilis* C. B. Adams, 1849, currently in use for a Jamaican species of *Adamsiella* [Annulariidae], which needs to be replaced. — Current status: synonym of *Tropidophora ligata* (O. F. Müller, 1774) (D. Herbert, pers. comm. to P. Bouchet, April 25, 2020).

#### Family NATICIDAE Guilding, 1834

*abducta*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 42, 69, pl. 69, figs 9-10 [in pl. expl. as figs 10-11]; 1655-*DescrCoqFoss*: 667 [error noted]. — Type localities: Jonchery-sur-Vesle, Châlons-sur-Vesle, Abbecourt & Bracheux. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32685, syntype from Jonchery-sur-Vesle. *Sigatica abducta* (Deshayes, 1864) (Le Renard & Pacaud 1995: 95). — Current status: *Sigatica* (*Sigatica*) *abducta* (Deshayes, 1864) (Leroy *et al.* 2014: 24, pl. 25, fig. 11a-b).

*blainvillei*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 38-39, 67, pl. 67, figs 1-2. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Euspira blainvillei* (Deshayes, 1864) (Le Renard & Pacaud 1995: 95).

*caillati*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 53, 70, pl. 70, figs 1-5. — Type localities: Thiverval-Grignon, Parnes, Gomerfontaine, Chaussy, Mouchy-le-Châtel, Châteaurouge, Damery & Acy-en-Multien. — Type age: Eocene (Lutetian-Bartonian). *Payraudeautia caillati* (Deshayes, 1864) (Le Renard & Pacaud 1995: 95; Pacaud 2008: 52). — Current status: *Natica caillati* Deshayes, 1864 (Courville *et al.* 2012: 64, pl. 5, fig. 9).

*calvimontana*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 60, 68, pl. 68, figs 9-10. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32683, holotype. — Current status: *Neverita calvimontana* (Deshayes, 1864) (Le Renard & Pacaud 1995: 95; Pacaud 2008: 52).

*consobrina*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 40-41, 68, pl. 68, figs 25-26. — Type localities: Vauxbuin, Sinceny & Andelaire. — Type age: Eocene (Ypresian). — Current status: *Euspira consobrina* (Deshayes, 1864) (Le Renard & Pacaud 1995: 95).

*eburnea*, *Natica* – Deshayes, 1838-*HistNatAnim2*: 646, *ex* Chemnitz ms, *non* De Cristofori & Jan, 1832; 1843-*HistNatAnim3*: 499. — Type locality: Asia. — Type age: Recent. — Current status: synonym of *Naticarius orientalis* (Gmelin, 1791) [*Nerita*] (Wilson 1993: 218; Kabat 2000: 361, fig. 20; Torigoe & Inaba 2011: 96-97).

*epiglottinoides*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 48-49, 67, pl. 67, figs 22, as *Natica matheroni* [a different Deshayes species; see below], 26-27; 1865-*DescrCoqFoss*: 667 [error in caption for fig. 22 noted]. — Type localities: Cuise-la-Motte, Aizy-Jouy, Mercin-et-Vaux, Laversine, Vregny, Laon, Hérouval, Auvers-sur-Oise, Le Fayel, Chéry-Chartreuve, Léveumont, Beauchamp, Ménéil-Aubry, Ezanville, Le Guépelle, Montagny-en-Vexin, Ver-sur-Launette, Ermenonville, Saint-Sulpice, Lizy-sur-Ourcq, Beauval & Nantheuil-le-Haudoin. — Type age: Eocene (Ypresian-Lutetian-Bartonian). — Type material: UCBL-EM 32678, syntypes from Cuise-la-Motte (Fig. 5 herein). *Natica epiglottinoides* Deshayes, 1864 (Le Renard & Pacaud 1995: 95; Pacaud 2008: 52; Tréguier & Pacaud 2018: 208). — Current status: *Cochlis epiglottinoides* (Deshayes, 1864) (Robba *et al.* 2016: 128).

*exerta*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 51-52, 68, pl. 68, figs 27-28. — Type localities: Parnes & Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Natica exerta* Deshayes, 1864 (Le Renard & Pacaud 1995: 95; Pacaud 2008: 52).

*glaucooides*, *Natica* – Deshayes, 1825-*DescrCoqFoss*: 12, pl. 20, figs 7-8; 1832: 166-167, *non* J. Sowerby, 1812; 1838-*HistNatAnim2*: 654-655; 1843-*HistNatAnim3*: 502; 1863-*DescrCoqFoss*: 50, synonym of *Natica deshayesiana* Nyst, 1845a (Nyst 1845a: 441), replacement name for Deshayes' homonym. — Type localities: Abbecourt & Noailles. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32661, syntypes from Noailles. The Bartonian specimens from La Chapelle-en-Serval, Valmondois, Tancrou & Acyen-Multien became *Natica noe* d'Orbigny, 1850 (Deshayes, 1863: 51). — Current status: synonym of *Natica deshayesiana* Nyst, 1845.

*grayi*, *Sigaretus* – Deshayes, 1843-*HistNatAnim2*: 12-13; 1843-*HistNatAnim3*: 507. — Type localities: Chile & Peru. — Type age: Recent. — Type material: MNHN-IM-2000-5238, 2 syntypes. — Current status: synonym the Panamic *Sinum grayi* (Deshayes, 1843) (Keen 1971: 481-482; Torigoe & Inaba 2011: 61).

*hamiltoni*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 40, 68, pl. 68, figs 14-16. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Euspira hamiltoni* (Deshayes, 1864) (Le Renard & Pacaud 1995: 95).

*janthostoma*, *Natica* – Deshayes, 1839d: 361; 1841: 2, pl. 45. — Type locality: Kamchatka; Mr. Chiron. — Type age: Recent. — Type material: MNHN-IM-2000-5180, syntype. — Type species (OD) of *Sulconatica* Golikov & Kussakin, 1974, now regarded as a synonym of *Cryptonatica* Dall, 1892. — Current status: *Cryptonatica janthostoma* (Deshayes, 1839) (Kantor & Sysoev 2005: 58; Torigoe & Inaba 2011: 104-105; Saito, in Okutani 2017: 866, pl. 152, fig. 9).

*laevigatus*, *Sigaretus* – Deshayes, 1825-*DescrCoqFoss*: 13, pl. 23, figs 5-6; 1832: 183, *non* Lamarck, 1822. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian) & Dax. — Type age: Miocene. *Sigaretus polita* Deshayes, 1843, replacement name (see below). The specimen from Dax is *Sinum patulum* (Grateloup, 1845) (Pacaud herein).

*lineolata*, *Natica* – Deshayes, 1825-*DescrCoqFoss*: 12, pl. 20, figs 9-10; 1832: 167-168; 1838-*HistNatAnim2*: 654; 1843-*HistNatAnim3*: 502; 1864-*DescrCoqFoss*: 60. — Type localities: Beauchamp, Damery & Lizy-sur-Ourcq. — Type age: Eocene (Lutetian-Bartonian). Preoccupies *Natica lineolata* Philippi, 1844, which was renamed *Natica filosa* Philippi, 1845 (Coan & Kabat, 2017: 159). — Current status: *Neverita (Neverita) lineolata* (Deshayes, 1825) (Le Renard & Pacaud 1995: 95).

*lorioli*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 41-42, 72, as *Natica "punctura"*, pl. 72, figs 14-15; 1865-*DescrCoqFoss*: 667 [error in fig. caption noted]. — Type localities: Chambors, Hérouval, Damery, Thiverval-Grignon, Vaudancourt & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Euspira lorioli* (Deshayes, 1864) (Le Renard & Pacaud 1995: 95; Pacaud 2008: 52).

*lupinus*, *Natica* – Deshayes, 1838-*HistNatAnim2*: 648; 1843-*HistNatAnim3*: 500. — Type locality: Indian Ocean. — Type age: Recent. — Type material: MNHN-IM-2000-5231, 8 syntypes. — Current status: synonym of *Natica fasciata* (Röding, 1798) [*Albula*] (Kabat 2000: 359-360, fig. 17; Torigoe & Inaba 2011: 75-76, pl. 3, fig. 23).

*matheroni*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 47-48, 67, pl. 67, figs 20-21. — Type localities: Aizy-Jouy, Sermoise, Mercinet-Vaux, Cœuvres-et-Valsery & Rethuil. — Type age: Eocene (Ypresian). — Bayan (1870: 24) renamed the Deshayes species as *Natica velledae* in the mistaken view that it was a junior homonym of *Natica matheroniana* d'Orbigny, 1842. — Current status: *Natica matheroni* Deshayes, 1864 (Pacaud 2019: 123).

*microglossa*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 54, 70, pl. 70, figs 16-18. — Type localities: Cuise-la-Motte, Thiverval-Grignon, Parnes, Chaumont-en-Vexin, Auvers-sur-Oise, Caumont & Montagny-en-Vexin. — Type age: Eocene (Ypresian-Lutetian-Bartonian). — Type material: UCBL-EM 32693, syntypes from Parnes. — Current status: *Natica microglossa* Deshayes, 1864 (Le Renard & Pacaud 1995: 95; Pacaud 2008: 52).

*munda*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 57-58, 72, pl. 72, figs 12-13. — Type localities: Fleury-la-Rivière, Damery, Chamery & Boursault. — Type age: Eocene (Lutetian). — Current status: synonym of *Cochlis epiglottina* (Lamarck, 1804) (Pacaud herein).

*neritiformis*, *Natica* – Deshayes, 1835b: 157-158, pl. 26, figs 10-11. — Type locality: Peloponnese Peninsula, Greece. — Type age: Cretaceous? — Current status: *taxon inquirendum*.

*obliquata*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 54-55, 70, pl. 70, figs 12-13, *non* Morris, 1854, *nec* Hall & Meek, 1856. — Type localities: Thiverval-Grignon, Parnes, Fontenay-en-Vexin, Mouchy-le-Châtel, Gomerfontaine, Chambors, Damery, Cumières & Hermonville. — Type age: Eocene (Lutetian). — Current status: synonym of *Cochlis specialis* (Deshayes, 1864) (Pacaud herein).

*oculta*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 61, 68, pl. 68, figs 11-13. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Tectonatica oculta* (Deshayes, 1864) (Le Renard & Pacaud 1995: 95).

*pellistigrina*, *Natica* – Deshayes, 1838-*HistNatAnim2*: 641-642, *ex* Chemnitz ms; 1843-*HistNatAnim*: 497, both in the synonymy of *Natica maculosa* Lamarck, 1822. — Type age: Recent. — Current status: both are synonyms of *Paratectonatica tigrina* (Röding, 1798) [*Cochlis*], the type species (OD) of *Paratectonatica* Azuma, 1961 (Torigoe & Inaba 2011: 101-102, pl. 3, fig. 30).

*pellucidus*, *Sigaretus* – Deshayes, 1825-*DescrCoqFoss*: 14, pl. 23, figs 13-14; 1832: 184. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). 1864-*DescrCoqFoss*: 90. — Current status: *nomen dubium*.

*perforata*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 46-47, 72, pl. 72, figs 9-11. — Type localities: Thiverval-Grignon, Houdan, Parnes, Mouchy-le-Châtel, Chaussy, Boursault, Hermonville, Cuise-la-Motte, Laon, Laversine, Cuisy-en-Almont, Hérouval, Beauchamp, Ver-sur-Launette, Les Craquelots, Rosières, Montagny-en-Vexin, Chéry-Chartreuve & Montjavoult. — Type age: Eocene (Ypresian-Lutetian-Bartonian). — Type material: UCBL-EM 32699, syntypes from Thiverval-Grignon. Preoccupies *Natica perforata* Guéranger, 1853, which was renamed *Gyrodes guillieri* Chelot, 1886. — Current status: *Payraudeautia perforata* (Deshayes, 1864) (Le Renard & Pacaud 1995: 95; Pacaud 2008: 52). *Natica perforata* Deshayes, 1864 (Courville *et al.* 2012: 64, pl. 5, fig. 17).

*peselephantis*, *Natica* – Deshayes, 1838-*HistNatAnim2*: 650, *ex* Chemnitz ms; 1843-*HistNatAnim3*: 500-501. Incorrect subsequent spelling of *Natica peselephanti* Link, 1807, now *Polinices peselephanti* (Link, 1807).

*picteti*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 48, 69, pl. 69, figs 7-8, 13 [in pl. expl. as fig. 9]; 1865-*DescrCoqFoss*: 667 [correction noted], *non* Hébert & Renevier, 1854. — Type localities: Jeurre, Morigny-Champigny & Etréchy. — Type age: Oligocene (Rupelian). Renamed *Natica combesi* Bayan, 1870 (Bayan 1870: 2). — Current status: both are synonyms of *Euspira dilatata* (Philippi, 1841) (Pacaud herein).

*pilula*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 44-45, 70, pl. 70, figs 3-4. — Type localities: Parnes, Thiverval-Grignon & Chaussy. — Type age: Eocene (Lutetian). *Euspira pilula* (Deshayes, 1864) (Le



Renard & Pacaud 1995: 95; Pacaud 2008: 52). — Current status: *Globularia* ? *pilula* (Deshayes, 1864) (Caze *et al.* 2011: 336-337, fig. 5B, C, showing residual colour patterns).

*philippii*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 75, unnecessary replacement name for *Natica acuta* Philippi, 1845a (Philippi 1845a: 65), *non* Deshayes, 1838, which had already been renamed *Natica philippiana* Nyst, 1845b (Nyst 1845b: 153). — Type age: Recent. — Current status: this Magellanic species is now known as *Tectonatica inpervia* (Philippi, 1845) (Pastorino 2005: 231-234; Coan & Kabat 2017: 156).

*politus*, *Sigaretus* – Deshayes, 1843-*HistNatAnim2*: 14; 1843-*HistNatAnim3*: 508; 1864-*DescrCoqFoss*: 89-90, 69, pl. 69, figs 20-22. — Type localities: Paris Basin (Eocene) “& Dax (Miocene)”. — Type localities: Thiverval-Grignon & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32689, syntype from Mouchy-le-Châtel. Replacement name for *Sigaretus laevigatus* Deshayes, 1832 (see above), *non* Lamarck, 1822. The Miocene specimen from Dax is *Sinum patulum* (Grateloup, 1845). — Current status: *Sinum* (*Sigaretotrema*) *politum* (Deshayes, 1843) (Le Renard & Pacaud 1995: 95; Pacaud 2008: 52, both as “Deshayes & Milne-Edwards”).

*punctura*, *Natica* – see *lorioli*, *Natica*, above.

*reclusiana*, *Natica* – Deshayes, 1839d: 361; 1841: 2, pl. 37. — Type locality: California. — Type age: Recent. — Type material: MNHN-IM-2000-5213, 3 syntypes. — Type species (OD) of *Glossaulax* Pillsbry, 1929. — Current status: the eastern Pacific *Glossaulax reclusiana* (Deshayes, 1839) (Keen 1971: 481-482, fig. 888; Torigoe & Inaba 2011: 25).

*recluzianus*, *Sigaretus* – Deshayes, 1857-*TraitElem*: x, pl. 73 bis, figs 14-15. — Type locality: none given. — Type age: Recent. Presumably a living *Sinum* and not to be confused with the species above. — Current status: *taxon inquirendum*.

*repanda*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 42-43, 69, pl. 69, figs 11-12 [in pl. expl. as figs 12-13]; 1865-*DescrCoqFoss*: 667 [error noted]. — Type localities: Abbecourt & Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32686, syntypes from Abbecourt. — Current status: *Sigatica repanda* (Deshayes, 1864) (Le Renard & Pacaud 1995: 95).

*sanguinolenta*, *Natica* – Deshayes, 1839d: 361; 1841: 2, pl. 46. — Type locality: none given. — Type age: Recent. — Current status: synonym of the Australian *Conuber melastoma* (Swainson, 1821) [*Natica*] (Torigoe & Inaba 2011: 46-47).

*semiclausa*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 53-54, 70, pl. 70, figs 10-11. — Type localities: Thiverval-Grignon, Parnes, Fontenay-en-Vexin, Chaumont-en-Vexin, Gomerfontaine, Hérouval, Les Groux, Mouchy-le-Châtel, Vaudancourt, Fercourt & Damery. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32692, syntypes. — Current status: *Neverita semiclausa* (Deshayes, 1864) (Le Renard & Pacaud 1995: 95; Pacaud 2008: 52; Courville *et al.* 2012: 64, pl. 5, fig. 13).

*separata*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 49-50, 68, pl. 68, figs 4-6. — Type localities: Cuise-la-Motte, Laversine, Cuisy-en-Almont, Mercin-et-Vaux & Hérouval & Laon. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32680, syntypes from Cuise-la-Motte. — Current status: *Natica separata* Deshayes, 1864 (Le Renard & Pacaud 1995: 95).

*simiae*, *Natica* – Deshayes, 1838-*HistNatAnim2*: 652 [p. misnumbered as “552”]-653; 1843-*HistNatAnim3*: 501-502; 1863: 78. — Type locality: New Zealand. — Type age: Recent. — Type material: UCBL-EM 33343, lectotype (Paquien 2019, figured). — Current status: *Mammilla simiae* (Deshayes, 1838) (Powell 1979: 156; Wilson 1993: 221, pl. 36, fig. 36; Kabat 2000: 357, figs 10-11; Hollmann, in

Poppe 2008a: 482, pl. 186, fig. 8; Severns 2011: 108, pl. 38, fig. 1; Torigoe & Inaba 2011: 53, pl. 2, fig. 16; Saito, in Okutani 2017: 861, pl. 148; Boutet *et al.* 2020: 217); rare in New Zealand but more common elsewhere.

*specialis*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 46, 72, pl. 72, figs 7-8. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). *Natica specialis* Deshayes, 1864 (Le Renard & Pacaud 1995: 95; Pacaud 2008: 52; Courville *et al.* 2012: 64, pl. 5, fig. 16). — Current status: *Cochlis specialis* (Deshayes, 1864) (Robba *et al.* 2016: 128).

*stoppanii*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 57, 68, pl. 68, figs 17-19. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Payraudeautia stoppanii* (Deshayes, 1864) (Le Renard & Pacaud 1995: 95).

*tenuicula*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 37-38, 67, pl. 67, figs 23-25. — Type localities: Cuise-la-Motte, Laversine, Cœuvres-et-Valsery, Sermoise, Mercin-et-Vaux, Vregny, Aizy-Jouy, Hérouval, Laon, Noailles & Thiverval-Grignon. — Type age: Eocene (Ypresian-Lutetian). — Type material: UCBL-EM 32677, possible syntypes. — Current status: *Euspira tenuicula* (Deshayes, 1864) (Le Renard & Pacaud 1995: 95; Pacaud 2008: 52).

*turbinata*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 45-46, 70, pl. 70, figs 14-15. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Current status: *Euspira turbinata* (Deshayes, 1864) (Le Renard & Pacaud 1995: 95; Pacaud 2008: 52).

*venusta*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 38, 68, pl. 68, figs 7-8. — Type localities: Cuise-la-Motte, Thiverval-Grignon, Parnes, Mouchy-le-Châtel, Mouy, Damery, Fleury-la-Rivière, Cumières, Hermonville, Boursault & Montmirail. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32681, syntypes from Thiverval-Grignon; UCBL-EM 32682, syntypes from Parnes. — Current status: *Euspira venusta* (Deshayes, 1864) (Le Renard & Pacaud 1995: 95; Pacaud 2008: 52).

*woodi*, *Natica* – Deshayes, 1864-*DescrCoqFoss*: 35, 65, pl. 65, figs 20-22. — Type localities: Jonchery-sur-Vesle, Châlons-sur-Vesle & Gueux. — Type age: Paleocene (Thanetian). Preoccupies *Natica woodi* Verbeckt, 1995. — Current status: *Sigatica* (*Sigaretopsis*) *woodi* (Deshayes, 1864) (Le Renard & Pacaud 1995: 95).



*alapapilionis*, *Natica* – Deshayes, 1838-*HistNatAnim2*: 647, *ex* Chemnitz ms. Made available, as *Cochlis alapapilionis* Röding, 1798, now *Glyphepithema alapapilionis* (Röding, 1798).

*levesquei*, *Sigaretus* – Deshayes, 1864-*DescrCoqFoss*: 89, 69, pl. 69, figs 23-26. Originally introduced by Récluz, 1843, and now *Sigaretotrema clathrata* [Récluz, 1843] *levesquei* (Récluz, 1843).

*maculata*, *Natica* – Deshayes, 1838-*HistNatAnim2*: 645-646, *ex* Chemnitz ms. — Type locality: Mediterranean. — Type age: Recent. 1843-*HistNatAnim3*: 499. — Type material: MNHN-IM-2000-5230, syntypes. However, this species name was first made available as *Nerita maculata* by Salis Marschlin (1793: 379) based on some of the same figures in Chemnitz (1781: pl. 186 [in Salis Marschlin as “187”], figs 1876-1880). Deshayes (1838) oddly, listed the Chemnitz plates as 260 and 261, but the figures correctly as 1876-1880. However, the first name available for this species is *Natica hebraea* (Martyn, 1786) [*Nerita*], one of the few available Martyn names. Species figured in Cossignani & Ardovini (2011: 235).

*praelonga*, *Natica* – Leymerie, 1841: 342, *nomen nudum*; 1842: 13, 30, pl. 16, fig. 14a-c, *ex* Deshayes ms. — Type localities: Thieffrain & Vendevre-sur-Barse. — Type age: Cretaceous (Albian). — Current status: *Natica praelonga* Leymerie, 1842 (Kollmann 2005: 56-57).

## Family PTEROTRACHEIDAE Rafinesque, 1814

*Carinaroides* – Deshayes, 1853-TraitElem: 61. Incorrect subsequent spelling of *Carinairoïda* Souleyet, 1852, a synonym of *Pterotrachea* Forsskål, 1775.

*Firoloides* – Deshayes, 1830b-EncyMeth: 130. Incorrect subsequent spelling of *Firoloïda* Lesueur, 1817.

*edwardsii*, *Firola* – Deshayes, 1840-RegAnim: pl. 39, fig. 1. — Type locality: none given. — Type age: Recent. — Current status: probable synonym of *Pterotrachea coronata* Forsskål, 1775 (Spoel 1976: 160).

## Family CARINARIIDAE Blainville, 1818



*cymbium*, *Carinaria* – S. P. Woodward, 1851: 97; 1856: 484, “Desh.” Error for *Argonauta cymbium* Linnaeus, 1758, a cephalopod. The name had sometimes been misused for species of *Carinaria*, and Woodward (1856: 484) later said that *Carinaria cristata* (Linnaeus, 1767) [*Patella*] had been intended.

## Family TRIPHORIDAE J. E. Gray, 1847

*Triforis* – Deshayes, 1834-DescrCoqFoss: 429. Incorrect subsequent spelling of *Triphora* Blainville, 1828. Marshall (1980) used *Triforis* on the assumption that this was a nomenclaturally available name, different from *Triphora*, and he defended the view that Triphoridae J. E. Gray, 1847, and Triforidae Jousseume, 1884, were not con-familial, but has since changed his mind.

*Triforis* – Deshayes, 1830-DictClass16: 385; 1832-EncyMeth: 1052. Incorrect subsequent spelling of *Triphora* Blainville, 1828.

*adamsi*, *Triforis* – Deshayes, 1863: 100-101, pl. 11, fig. 29. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-1579, syntype. Preoccupies *Triphora adamsi* Bartsch, 1907, which has probably not been renamed. — Current status: *Mastonia adamsi* (Deshayes, 1863) (M. Jay 2007: figs 1-3, 45; Boutet *et al.* 2020: 223; Albano *et al.* 2023: 16, fig. 1).

*affinis*, *Triforis* – Deshayes, 1865-DescrCoqFoss: 237-238, non Hinds, 1843. — Type locality: Valmondois. — Type age: Eocene (Bartonian). *Triphora* (*Triphora*) *affinis* Deshayes, 1865 (Le Renard & Pacaud 1995: 109; Pacaud 2008: 59). — Current status: *Triforis plesiomorpha* Cossmann & Pissarro, 1902, is a synonym and is now the name to use because of the homonymy.

*ambiguus*, *Triforis* – Deshayes, 1864-DescrCoqFoss: 82, pl. 82, figs 15-17; 1865-DescrCoqFoss: 240. — Type localities: Cuise-la-Motte, Hérouval & Mercin-et-Vaux. — Type age: Eocene (Ypresian). — Current status: *Triphora* (*Triphora*) *ambigua* Deshayes, 1864 (Le Renard & Pacaud 1995: 109).

*angustissimus*, *Triforis* – Deshayes, 1863: 104-105, pl. 12, figs 1-2. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-9488, neotype (M. Jay, 2007). — Current status: *Triphora angustissima* Deshayes, 1863 (M. Jay 2007: 32, figs 4-6, 46; Albano *et al.* 2023: 16, fig. 2).

*asper*, *Triforis* – Deshayes, 1864-DescrCoqFoss: 82, pl. 82, figs 18-20; 1865-DescrCoqFoss: 239-240. — Type localities: Mouchy-le-Châtel, Saint-Félix, Chaussy & Parnes. — Type age: Eocene (Lutetian). — Current status: *Triphora* (*Triphora*) *aspera* Deshayes, 1864 (Le Renard & Pacaud 1995: 109; Pacaud 2008: 59; Tréguier & Pacaud 2018: 212).

*bacillus*, *Triforis* – Deshayes, 1864-DescrCoqFoss: 82, as *Triforis* “singularis”, pl. 82, figs 12-14; 1865-DescrCoqFoss: 239, 667 [reversal of the two species in pl. expl. noted]. — Type locality: Hérouval. — Type age: Eocene (Lutetian). — Current status: *Triphora* (*Triphora*) *bacillus* Deshayes, 1864 (Le Renard & Pacaud 1995: 109).

*costulatus*, *Triforis* – Deshayes, 1864-DescrCoqFoss: 82, pl. 82, figs 20-21; 1865-DescrCoqFoss: 242. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Current status: *Triphora* (*Triphora*) *costulata* Deshayes, 1864 (Le Renard & Pacaud 1995: 109).

*crenulatus*, *Triforis* – Deshayes, 1863: 99-100, pl. 11, figs 21-22. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-721, syntype. — Current status: *Euthymella crenulata* (Deshayes, 1863) (Marshall 1983: 51; M. Jay 2007: 32-34, figs 7-9, 37, 47; Albano *et al.* 2023: 16, fig. 3).

*distinctus*, *Triforis* – Deshayes, 1863: 103, pl. 11, figs 30-31. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-9489, neotype (M. Jay, 2007). Preoccupies *Triphora distincta* O. Meyer, 1886, which has probably not been renamed. — Current status: *Triphora distincta* Deshayes, 1863 (M. Jay 2007: 34, figs 10-13, 38, 48; Albano *et al.* 2023: 16-18, fig. 4).

*formosus*, *Triforis* – Deshayes, 1863: 102-103, pl. 11, fig. 29. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-9487, neotype (M. Jay, 2007). — Current status: *Triphora formosa* Deshayes, 1863 (M. Jay 2007: 34-36, figs 13-15, 49, 50; Albano *et al.* 2023: 19, fig. 5).

*grignonensis*, *Triforis* – Deshayes, 1864-DescrCoqFoss: 82, as *Triforis* “obliquatus”, pl. 82, figs 6-7; 1865-DescrCoqFoss: 238-239, 667 [error in pl. expl. noted]. — Type localities: Thiverval-Grignon, Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32750, syntypes from Thiverval-Grignon. — Type species (OD) of *Stylia* Jousseume, 1884, non Robineau-Desvoidy, 1830 [Lepidoptera]. *Epetrium* Harris & Burrows, 1891, replacement name. — Current status: *Triphora* (*Triphora*) *grignonensis* Deshayes, 1864 (Le Renard & Pacaud 1995: 109; Pacaud 2008: 59).

*hindsii*, *Triforis* – Deshayes, 1863: 98, pl. 11, figs 19-20. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-9490, neotype (M. Jay, 2007). — Current status: *Mastonia hindsii* (Deshayes, 1863) (M. Jay 2007: 36-38, figs 16-19, 39, 51; Albano *et al.* 2023: 22, fig. 6).

*inaequipartitus*, *Triforis* – Deshayes, 1864-DescrCoqFoss: 82, pl. 82, figs 23-25; 1865-DescrCoqFoss: 242-243. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Current status: *Triphora* (*Ogivia*) *inaequipartita* Deshayes, 1864 (Le Renard & Pacaud 1995: 109; Pacaud 2008: 60).

*minuatus*, *Triforis* – Deshayes, 1864-DescrCoqFoss: 81, pl. 81, figs 40-44; 667; 1865-DescrCoqFoss: 240-241. — Type locality: Thiverval-Grignon, Parnes & Chaussy. — Type age: Eocene (Lutetian). — Current status: *Triphora* (*Norephora*) *minuata* Deshayes, 1864 (Le Renard & Pacaud 1995: 109; Pacaud 2008: 59).

*mirificus*, *Triforis* – Deshayes, 1863: 104, pl. 11, figs 32-33. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-9491, neotype (M. Jay, 2007). — Current status: *Triphora mirifica* Deshayes, 1863 (M. Jay 2007: 39, figs 20-22, 52; Boutet *et al.* 2020: 226; Albano *et al.* 2023: 22-24, fig. 7).

*obliquatus*, *Triforis*; see: *grignonensis*, *Triforis*.

*ornatus*, *Triforis* – Deshayes, 1832-EncyMeth: 1053. — Type locality: none given. — Type age: Recent. — Type material: not found. — Current status: *Cosmotriphora ornata* (Deshayes, 1832) (Rosenberg *et al.* 2009: 645) from the Gulf of Mexico. But, concerning: Albano *et al.* (2023: 24, fig. 8).



*plicatus*, *Triphoris* – Deshayes, 1832-EncyMeth: 1053, as *Triphoris*; 1834-DescrCoqFoss: 431-432, 38, pl. 71, figs 13-14; 1865-DescrCoqFoss: 237. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32827, syntypes. Secondary homonym of *Triphora plicatum* (Bruguière, 1792) [*Cerithium*]. D’Orbigny (1850b: 419, no. 1537) renamed Deshayes’ species *Cerithium triforis*, but as “non Sowerby, 1822”. *Triphora (Triphora) triforis* (d’Orbigny, 1850) (Pacaud 2007: 43; Pacaud 2008: 60). — Current status: *Trituba triforis* (d’Orbigny, 1850) (Pacaud herein).

*pupaeformis*, *Triphoris* – Deshayes, 1863: 105-106, pl. 12, figs 3-4. — Type locality: La Réunion. — Type age: Recent. — Current status: *Triphora pupaeformis* Deshayes, 1863 (M. Jay 2007: 39, figs 23-24, 53; Albano et al. 2023: 24, 27, fig. 9, with neotype by M. Jay, 2007, invalidated).

*reevei*, *Triphoris* – Deshayes, 1863: 101, pl. 11, figs 25-26. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-9493, neotype (M. Jay 2007). — Current status: *Mastonia reevei* (Deshayes, 1863) (M. Jay 2007: 39, figs 25-27, 54; Albano et al. 2023: 27, fig. 10; generic assignment from MolluscaBase).

*singularis*, *Triphoris* – Deshayes, 1864-DescrCoqFoss: 82, as *Triphoris “bacillus”*, pl. 82, figs 1-5; 667 [reversal of the two species in pl. expl. noted]; 1865-DescrCoqFoss: 244-245. — Type localities: Thiverval-Grignon & Chaussy. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32749, possible syntype. Type species (OD) of *Metalepsis* Jousseau, 1884, non Grote, 1875 [Lepidoptera]; *Ogivia* Harris & Burrows, 1891, replacement name. — Current status: *Triphora (Ogivia) singularis* Deshayes, 1864 (Le Renard & Pacaud 1995: 109; Pacaud 2008: 60). *Ogivia singularis* (Deshayes, 1864) (MolluscaBase).

*sinistrorsum*, *Cerithium* – Deshayes, 1833-DescrCoqFoss: 396-397, 30, pl. 56, figs 21-28. — Type localities: Thiverval-Grignon & Valmondois. — Type age: Eocene (Lutetian-Bartonian). 1865-DescrCoqFoss: 237, as *Triphoris*. — Current status: *Triphora (Triphora) sinistrorsa* (Deshayes, 1833) (Le Renard & Pacaud 1995: 109; Pacaud 2008: 59).

*triliratus*, *Triphoris* – Deshayes, 1863: 102, pl. 11, figs 27-28. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-1576, syntype; MNHN-IM-2000-1577, 3 syntypes; MNHN-IM-2000-1578, syntype. — Current status: *Virola trilirata* (Deshayes, 1863) (M. Jay 2007: 40, figs 28-30, 40, 41, 55; Albano et al. 2023: 27, fig. 11; generic assignment from MolluscaBase).

#### Family CERITHIOPSIDAE H. Adams & A. Adams, 1853

*alveolatum*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 79, pl. 79, figs 21-23; 1865-DescrCoqFoss: 201. — Type locality: Hérault. — Type age: Eocene (Ypresian). — Type species (OD) of *Trachyschoenium* Cossmann, 1889. — Current status: *Cerithiopsis (Cerithiopsis) alveolata* (Deshayes, 1864) (Le Renard & Pacaud 1995: 108; Pacaud 2008: 60).

*archimedis*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 75, pl. 75, figs 5-6; 1865-DescrCoqFoss: 220. — Type localities: Valmondois & Auvers-sur-Oise. — Type age: Eocene (Bartonian). — Current status: *Seila (Notoseila) archimedis* (Deshayes, 1864) (Le Renard & Pacaud 1995: 108).

*baudoni*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 74, pl. 74, figs 20-22; 1865-DescrCoqFoss: 204-205. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). *Cerithiopsis (Cerithiopsis) alveolata* [Deshayes, 1864] *baudoni* (Deshayes, 1864) (Le Renard & Pacaud 1995: 108). — Current status: *Cerithiopsis (Cerithiopsis) baudoni* (Deshayes, 1864) (Pacaud 2008: 60).

*dispar*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 81, as *Cerithium fasciatum*, pl. 81, figs 35-36; 1865-DescrCoqFoss: 214-215, 667 [correction in fig. expl. noted], non O. G. Costa, 1850. *Cerithium fasciatum* is non Bruguière, 1792, nec Reuss, 1844. — Type localities: Valmondois & Auvers-sur-Oise. — Type age: Eocene (Bartonian). — Current status: *Cerithiopsis (Dizoniopsis) charpiati* Le Renard, 1994 (Le Renard 1994: 37), replacement name.

*fasciatum*, *Cerithium*; see preceding entry.

*inaequiliratum*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 74, pl. 74, figs 23-24; 1865-DescrCoqFoss: 224. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). *Seila (Notoseila) inaequilirata* (Deshayes, 1864) (Le Renard & Pacaud 1995: 108).

*minuatum*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 75, pl. 75, figs 3-4; 1865-DescrCoqFoss: 202-203. — Type locality: Chaussy. — Type age: Eocene (Lutetian). — Current status: *Cerithiopsis (Cerithiopsis) minuata* (Deshayes, 1864) (Le Renard & Pacaud 1995: 108; Pacaud 2008: 60).

*mundulum*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 79, pl. 79, figs 31-32; 1865-DescrCoqFoss: 222. — Type localities: Cuise-la-Motte, Laon, Mercin-et-Vaux, Laversine & Hérouval. — Type age: Eocene (Ypresian). — Current status: *Seila (Notoseila) mundula* (Deshayes, 1864) (Le Renard & Pacaud 1995: 108; Jeffery & Tracey 1997: 82, 94, pl. 9, fig. 14; Pacaud 2008: 60).

*mutatum*, *Cerithium*; see below: *variatum*, *Cerithium*.

*piettei*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 76, pl. 76, figs 16-17; 1865-DescrCoqFoss: 202. — Type locality: Jeurre. — Type age: Oligocene (Rupelian). — Current status: synonym of *Cerithiopsis henckeliusii* (Nyst, 1836) (Pacaud herein).

*praelongum*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 79, pl. 79, figs 4-6; 1865-DescrCoqFoss: 209-210. Replacement name for *Cerithium canaliculatum* Melleville, 1843 (Melleville 1843: 104-105 [59, 85], pl. 7, figs 12-13), non Bruguière, 1792. — Type locality: Laon. — Type age: Eocene (Ypresian). — Current status: *Seila (Seila) praelonga* (Deshayes, 1864) (Le Renard & Pacaud 1995: 108; Pacaud 2008: 60).

*pupina*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 74, pl. 74, figs 13-15; 1865-DescrCoqFoss: 206-207. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Type species (OD) of *Tiarella* Cossmann, 1889, non Swainson, 1840 [Mollusca], nec Schulze, 1876 [Cnidaria], nec Pomel, 1883 [Echinodermata]; *Cyrbasia* Harris & Burrows, 1891, replacement name. — Current status: *Cyrbasia pupina* (Deshayes, 1864) (Le Renard & Pacaud 1995: 108; Pacaud 2008: 60).

*quadrilingulatum*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 75, pl. 75, figs 27-28; 1865-DescrCoqFoss: 224-225. — Type locality: Chaussy. — Type age: Eocene (Lutetian). — Current status: *Seila (Notoseila) quadrilingulata* (Deshayes, 1864) (Le Renard & Pacaud 1995: 108; Pacaud 2008: 60).

*quadrifidum*, *Cerithium* – Deshayes, 1833-DescrCoqFoss: 396, 30, pl. 55, figs 18-20; 1865-DescrCoqFoss: 223. — Type localities: Thiverval-Grignon & Parnes. — Type age: Eocene (Lutetian). — Current status: *Seila (Seila) quadrifida* (Deshayes, 1864) (Le Renard & Pacaud 1995: 108; Pacaud 2008: 60).

*trifarium*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 75, pl. 75, figs 9-10; 1865-DescrCoqFoss: 221. — Type localities: Chaussy, Valmondois & Le Guépelle. — Type age: Eocene (Lutetian-Bartonian). — Current status: *Seila (Notoseila) trifaria* (Deshayes, 1864) (Le Renard & Pacaud 1995: 108; Pacaud 2008: 60).

*trigeminatum*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 74, pl. 74, figs 18-19; 1865-DescrCoqFoss: 204. — Type localities: Mouchy-le-Châtel, Chaussy & Le Guépelle. — Type age: Eocene (Lutetian-

Bartonian). — Current status: *Cerithiopsis (Cerithiopsis) trigeminata* (Deshayes, 1864) (Le Renard & Pacaud 1995: 108; Pacaud 2008: 60).

*triliratum*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 75, pl. 75, figs 21-22; 1865-*DescrCoqFoss*: 221-222, *non Cerithium perelegans triliratum* Deshayes, 1864 [Newtoniellidae]. — Type localities: Hérouval, Thiverval-Grignon, Parnes & Auvers-sur-Oise. — Type age: Eocene (Ypresian-Lutetian-Bartonian). — Current status: *Seila* (? *Notoseila*) *trilirata* (Deshayes, 1864) (Le Renard & Pacaud 1995: 108; Pacaud 2008: 60).

*variatum*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 79, as *Cerithium mutatum*, pl. 79, figs 27-28; 1865-*DescrCoqFoss*: 223, 667 [error in fig. caption noted]. — Type locality: Hérouval. — Type age: Eocene (Ypresian). *Cerithium mutatum* is non G. B. Sowerby I, 1834. — Current status: *Seila (Notoseila) variata* (Deshayes, 1864) (Le Renard & Pacaud 1995: 108; Pacaud 2008: 60).

#### Family NEWTONIELLIDAE Korobkov, 1955

*accedens*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 79, pl. 79, figs 18-20; 1865-*DescrCoqFoss*: 209. — Type locality: Hérouval. — Type age: Eocene (Ypresian). — Current status: *Cerithiella clavus* [Lamarck, 1804] *accedens* (Deshayes, 1864) (Le Renard & Pacaud 1995: 108).

*angusta*, *Cerithium perelegans* [Deshayes, 1864] – Deshayes, 1864-*DescrCoqFoss*: 74, pl. 74, figs 25-27, *non Cerithium angustum* Deshayes, 1833 and 1835 [both Cerithiidae]. — Type localities: Mouchy-le-Châtel, Chaussy, Thiverval-Grignon & Parnes. — Type age: Eocene (Lutetian). — Current status: renamed *Colina nieulandei* Le Renard, 1994 (Le Renard 1994: 37) (Le Renard & Pacaud 1995: 109).

*cuisense*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 79, pl. 79, figs 12-14; 1865-*DescrCoqFoss*: 211. — Type localities: Cuise-la-Motte, Laversine & Hérouval. — Type age: Eocene (Lutetian). — Current status: *Eocolina cuisensis* (Deshayes, 1864) (Le Renard & Pacaud 1995: 109).

*difficile*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 74, pl. 74, figs 7-9; 1865-*DescrCoqFoss*: 161. — Type locality: Le Guépelle. — Type age: Eocene (Bartonian). — Current status: *Eocolina difficilis* (Deshayes, 1864) (Le Renard & Pacaud 1995: 109).

*fayellense*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 73, pl. 73, figs 34-37; 1865-*DescrCoqFoss*: 156. — Type locality: Le Fayel. — Type age: Eocene (Bartonian). — Current status: *Eocolina fayellensis* (Deshayes, 1864) (Le Renard & Pacaud 1995: 109).

*inclitus*, *Triforis* “?” – Deshayes, 1864-*DescrCoqFoss*: 81, pl. 81, figs 33-34; 1865-*DescrCoqFoss*: 246, as *T. “inclitus”*. — Type locality: Vaudancourt. — Type age: Eocene (Lutetian). *Laecochlis inclyta* (Deshayes, 1864) (Le Renard & Pacaud 1995: 108; Pacaud 2008: 61, as “*Laiocochlis*”, an incorrect original spelling of *Laecochlis* Dunker & Metzger, 1874. — Current status: *Laecochlis inclita* (Deshayes, 1864) (Pacaud herein).

*inclytus*, *Triforis* – see *inclitus*, *Triforis*

*indecoratum*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 75, pl. 75, figs 13-14; 1865-*DescrCoqFoss*: 166. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Colina indecorata* (Deshayes, 1864) (Le Renard & Pacaud 1995: 109; Pacaud 2008: 60).

*jeurense*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 77, pl. 77, figs 26-28; 1865-*DescrCoqFoss*: 201-202. — Type locality: Jeurre. — Type age: Oligocene (Rupelian). — Current status: synonym of *Vatopsis bimonilifera* (Sandberger, 1859) (Pacaud herein).

*labechei*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 79, pl. 79, fig. 7; 1865-*DescrCoqFoss*: 157-158. Cuise-la-Motte & Hérouval. — Type age: Eocene (Ypresian). — Current status: *Eocolina labechei* (Deshayes, 1864) (Le Renard & Pacaud 1995: 109; Pacaud 2008: 61).

*maresi*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 75, pl. 75, figs 15-16; 1865-*DescrCoqFoss*: 203. — Type locality: Chaussy. — Type age: Eocene (Lutetian). — Current status: *Cerithiella maresi* (Deshayes, 1864) (Le Renard & Pacaud 1995: 108; Pacaud 2008: 60).

*multispiratum*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 391, 30, pl. 56, figs 9-14; 1865-*DescrCoqFoss*: 212. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Cerithiella multispirata* (Deshayes, 1833) (Le Renard & Pacaud 1995: 108; Pacaud 2008: 60).

*munieri*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 74, pl. 74, figs 1-3; 1865-*DescrCoqFoss*: 157. — Type localities: Ermenonville, Ver-sur-Launette & Le Guépelle. — Type age: Eocene (Bartonian). — Type material: MNHN.F.J04147, syntype. — Type species (OD) of *Eocolina* Chavan, 1952. — Current status: *Eocolina munieri* (Deshayes, 1864) (Le Renard & Pacaud 1995: 109).

*passyi*, *Triforis* – Deshayes, 1864-*DescrCoqFoss*: 81, pl. 81, figs 26-27; 1865-*DescrCoqFoss*: 245. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Current status: *Laecochlis passyi* (Deshayes, 1864) (Le Renard & Pacaud 1995: 108; Pacaud 2008: 61, as “*Laiocochlis*”, an incorrect original spelling of *Laecochlis* Dunker & Metzger, 1874).

*perelegans*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 74 [with two named varieties, not in text: *angusta* & *trilirata*], pl. 74, figs 16-17, 25-27, 29-30; 1865-*DescrCoqFoss*: 158-159. — Type localities: Mouchy-le-Châtel, Chaussy, Thiverval-Grignon & Parnes. — Type age: Eocene (Lutetian). — Current status: *Colina perelegans* (Deshayes, 1864) (Le Renard & Pacaud 1995: 109; Pacaud 2008: 61).

*pulcherrimum*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 75, pl. 75, figs 29-30; 1865-*DescrCoqFoss*: 207. — Type localities: Thiverval-Grignon & Laon. — Type age: Eocene (Ypresian-Lutetian). — Current status: *Krachia pulcherrima* (Deshayes, 1864) (Le Renard & Pacaud 1995: 108; Pacaud 2008: 60; Leroy *et al.* 2014: 25, pl. 24, fig. 7).

*quinquesulcatum*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 75, pl. 75, figs 7-8; 1865-*DescrCoqFoss*: 225. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Colina quinquesulcata* (Deshayes, 1864) (Le Renard & Pacaud 1995: 109; Pacaud 2008: 61).

*tenuis*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 402-403, 32, pl. 59, figs 9-12; 1865-*DescrCoqFoss*: 160. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Colina tenuis* (Deshayes, 1864) (Le Renard & Pacaud 1995: 109; Pacaud 2008: 61, as “*C. tennis*”).

*textile*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 400-401, 31, pl. 58, figs 24-26; 1865-*DescrCoqFoss*: 208. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Cerithiella textilis* (Deshayes, 1833) (Le Renard & Pacaud 1995: 108; Pacaud 2008: 60).

*trilirata*, *Cerithium perelegans* [Deshayes, 1864] – Deshayes, 1864-*DescrCoqFoss*: 74, pl. 74, figs 29-30, *non Cerithium triliratum* Deshayes, 1864 [Cerithiopsidae]. — Type localities: Mouchy-le-Châtel, Chaussy, Thiverval-Grignon & Parnes. — Type age: Eocene (Lutetian). *Colina trilirata* (Deshayes, 1864) (Le Renard & Pacaud 1995: 109; Pacaud 2008: 61, as “1833”). — Current status: *Colina deshayesi* Pacaud, n. name (replacement name herein).



*tritorquatum*, *Cerithium* – Deshayes, 1864-*DescrCoqFoss*: 79, pl. 79, figs 15-17; 1865-*DescrCoqFoss*: 211-212. — Type locality: Cuisse-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Cerithiella tritorquata* (Deshayes, 1864) (Le Renard & Pacaud 1995: 108).

#### Family VERMETIDAE Rafinesque, 1815

Tubispiracea – Deshayes, 1832-*EncyMeth*: table facing p. 553, as “les Tubispirés”, later latinized by Reeve (1882), but unavailable because not based on a generic name (ICZN *Code Art.* 11.7.1.1).

Tubispirata – Deshayes, 1861-*DescrCoqFoss*: 279-290. Emendation or spelling error for Tubispiracea Deshayes, 1832, q.v. Listed by Bieler & Petit (2011: 12).

*anguillinus*, *Serpulorbis* – Deshayes, 1861-*DescrCoqFoss*: 289-290, 9, pl. 9, figs 16-17, pl. 10, figs 5-6. — Type localities: Mercin-et-Vaux, Laon, Cuisse-la-Motte, Mons-en-Laonnois & Hérouval. — Type age: Eocene (Ypresian). — Type species (OD) of *Anguillospira* Cossmann, 1912. *Vermicularia* (*Anguillospira*) *anguillina* (Deshayes, 1861) (Le Renard & Pacaud 1995: 105). Listed by Bieler & Petit (2011: 24). Anderson & Allmon (2023: 8) referred this taxon to the Siliquariidae. — Current status: *Anguillospira anguillina* (Deshayes, 1861) (Pacaud herein).

*cancellatus*, *Serpulorbis* – Deshayes, 1861-*DescrCoqFoss*: 284-285, 9, pl. 9, fig. 8. — Type localities: Auvers-sur-Oise, Valmondois, Mary-sur-Marne, Jaignes, Crouy & Vendrest. — Type age: Eocene (Bartonian). — Current status: *Serpulorbis cancellatus* Deshayes, 1861 (Le Renard & Pacaud 1995: 105). Listed by Bieler & Petit (2011: 28).

*clathratus*, *Serpulorbis* – Deshayes, 1861-*DescrCoqFoss*: 286-287, 9, pl. 9, figs 9-10. — Type localities: Auvers-sur-Oise, Vendrest, Crouy, Acy-en-Multien, Betz, Caumont & Mary-sur-Marne. — Type age: Eocene (Bartonian). Listed by Bieler & Petit (2011: 30). — Current status: *Serpulorbis clathratus* Deshayes, 1861 (Le Renard & Pacaud 1995: 105; Pacaud 2008: 57).

*cristatus*, *Serpulorbis* – Deshayes, 1861-*DescrCoqFoss*: 287, 9, pl. 9, fig. 12, *non Vermetus cristatus* Sandberger, 1860,  *nec* Biondi, 1859. — Type localities: Auvers-sur-Oise & Mary-sur-Marne. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32398, syntype from Auvers-sur-Oise. *Vermetus excristatus* Sacco, 1896 (Sacco 1896: 7), replacement name (Bieler & Petit, 2011: 36). *Serpulorbis cristatus* Deshayes, 1861 (Le Renard & Pacaud 1995: 105; Pacaud 2008: 57). Listed by Bieler & Petit (2011: 33). — Current status: synonym of *Thylacodes excristatus* (Sacco, 1896).

*laxatus*, *Serpulorbis* – Deshayes, 1861-*DescrCoqFoss*: 287-288, 9, pl. 9, fig. 15. — Type locality: Mary-sur-Marne. — Type age: Eocene (Bartonian). Listed by Bieler & Petit (2011: 44). — Current status: *Serpulorbis laxatus* Deshayes, 1861 (Le Renard & Pacaud 1995: 105; Pacaud 2008: 57).

*masier*, *Vermetus* – Deshayes, 1843-*HistNatAnim2*: 65,  *ex* Adanson ms; 1843-*HistNatAnim3*: 526. In the synonymy of *Serpula sipho* Lamarck, 1818. West Africa. — Type age: Recent. Listed by Bieler & Petit (2011: 44, 46). — Current status: *Thylacodes masier* (Deshayes, 1843) (MolluscaBase).

*moerchi*, *Serpulorbis* – Deshayes, 1861-*DescrCoqFoss*: 286, 9, as “*morch*”, pl. 9, figs 21-22. — Type localities: Mercin-et-Vaux, Cuisse-la-Motte & Laon. — Type age: Eocene (Ypresian). Stated to be named for Mörch, so automatically corrected (ICZN *Code Art.* 32.5). *Serpulorbis moerchi* (Deshayes, 1861) (Le Renard & Pacaud 1995: 105, as “*S. morchi*”). Listed by Bieler & Petit (2011: 30). — Current status: *Thylacodes moerchi* (Deshayes, 1861) (Leroy *et al.* 2014: 25, pl. 21, figs 2-5).

*ornatus*, *Serpulorbis* – Deshayes, 1861-*DescrCoqFoss*: 285, 9, pl. 9, fig. 23,  *non S. ornata* (J. de C. Sowerby, 1850) [*Serpula*]. — Type localities: Montmirail & Hauteville-Bocage. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32400, syntypes from Montmirail. Replaced as *Thylacodes deshayesi* Newton, 1891 (Newton 1891: 217). However, the latter is a secondary homonym of *Serpulorbis deshayesi* Mayer-Eymar, 1889, which is also a *Thylacodes*. Sacco (1896: 55) proposed as a replacement name *Vermetus deshayesianus*. A third replacement name, *Serpulorbis newtoni* Glibert, 1962b (Glibert 1962b: 130), for *Serpulorbis ornatus* Deshayes, 1861, was unnecessary. All these taxa are *Thylacodes*. The name *Serpula ornata* J. de C. Sowerby, 1850, junior primary homonym of *Serpula ornata* I. Lea, 1833, is now *Vermetus compsus* Cossmann, 1892 (Cossmann 1892: 60-61), a replacement name. It is not a *nomen nudum*, as Bieler & Petit (2011: 30) asserted. *Serpulorbis ornatus* Deshayes, listed by Bieler & Petit (2011: 50). — Current status: *Thylacodes deshayesianus* (Sacco, 1896) (Pacaud herein).

*polygonus*, *Serpulorbis* – Deshayes, 1861-*DescrCoqFoss*: 290, 9, pl. 9, fig. 14. — Type localities: Chambors, Hérouval, Thiverval-Grignon & Valmondois. — Type age: Eocene (Lutetian-Bartonian). *Vermicularia* (*Anguillospira*) *polygona* (Deshayes, 1861) (Le Renard & Pacaud 1995: 105; Pacaud 2008: 49). Listed by Bieler & Petit (2011: 53). — Current status: *Anguillospira polygona* (Deshayes, 1861) (Pacaud herein).

*porrectus*, *Serpulorbis* – Deshayes, 1861-*DescrCoqFoss*: 288-289, 9, pl. 9, fig. 18. — Type localities: Acy-en-Multien, Crouy & La Ferté-sous-Jouarre. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32399, syntype from Acy-en-Multien. *Vermicularia* (*Anguillospira*) *porrecta* (Deshayes, 1861) (Le Renard & Pacaud 1995: 105). Listed by Bieler & Petit (2011: 53). — Current status: *Anguillospira porrecta* (Deshayes, 1861) (Pacaud herein).

*semipedalis*, *Serpulorbis* – Deshayes, 1861-*DescrCoqFoss*: 288, 9, pl. 9, fig. 11. — Type localities: Valmondois, Auvers-sur-Oise, Crouy & Le Fayel. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32397, syntype from Auvers-sur-Oise. — Current status: *Serpulorbis semipedalis* Deshayes, 1861 (Le Renard & Pacaud 1995: 105). Listed by Bieler & Petit (2011: 58).

*serpuloides*, *Serpulorbis* – Deshayes, 1861-*DescrCoqFoss*: 289, 9, pl. 9, figs 19-20. — Type localities: Thiverval-Grignon, Mouchy-le-Châtel & Parnes. — Type age: Eocene (Lutetian). *Vermicularia* (*Anguillospira*) *serpuloides* (Deshayes, 1861) (Le Renard & Pacaud 1995: 105; Pacaud 2008: 49). Listed by Bieler & Petit (2011: 58). — Current status: *Thylacoides serpuloides* (Deshayes, 1861) (Pacaud herein).

*strictus*, *Serpulorbis* – Deshayes, 1861-*DescrCoqFoss*: 285-286, 9, pl. 9, fig. 13. — Type locality: Auvers-sur-Oise. — Type age: Eocene (Bartonian). Listed by Bieler & Petit (2011: 61). — Current status: *Serpulorbis strictus* (Deshayes, 1861) (Le Renard & Pacaud 1995: 105).

*turonensis*, *Vermetus* – Deshayes, 1850-*TraitElem*: 43, pl. 70, figs 14-15. — Type locality: none given [France]. — Type age: Miocene (Aquitanian). Listed by Bieler & Petit (2011: 66). — Current status: *Vermetus* (*Lemintina*) *arenarius* [Linnaeus, 1758; *Serpula*] *turonensis* Deshayes, 1850 (Cossmann & Peyrot 1922: 81-82, pl. 3, figs 18-20, as “1839”).

*arenarius*, *Vermetus* – Deshayes, 1838-*RegAnim*: pl. 62, fig. 5; 1850-*TraitElem*: 43, pl. 70, fig. 16. — Type locality: none given. — Type age: probably Recent. Listed by Bieler & Petit (2011: 26) as a separate species. However, the plate explanation and caption with his original figure in his makes it clear that this name was labeled as



“Desh” because it was a generic transfer of *Serpula arenaria* Linnaeus, 1758, to *Vermetus*. Bieler & Petit (2011: 26, 70-71) regarded what they thought was Deshayes’s species as a *nomen dubium*. Deshayes’ figure in 1838 of an animal was copied from Philippi (1836: pl. 9, fig. 18a), which Philippi had had labeled *Vermetus gigas* Bivona Bernardi, 1832. Deshayes evidently considered this taxon to be a junior synonym of Linnaeus’ species. His later figure in the *Traité* was only of a shell. This species is now listed as *Thylacodes arenarius* (Linnaeus, 1758); Linnaeus’ species is the senior synonym of the type species of *Thylacodes* Guettard, 1770.

*lispe*, *Vermet[us]* – See under Annelida.

*tricarinatus*, *Vermetus* – Menke, 1844: 23, as “Deshayes, 1843”, *nomen nudum*.

#### Family RISSOIDAE J. E. Gray, 1847

*biangulata*, *Rissoa* – Deshayes, 1861-*DescrCoqFoss*: 407-408, 24, pl. 24, figs 29-31. — Type localities: Jeurre, Montmorency, Versailles & Weinheim near Mayence. — Type age: Oligocene (Rupelian). — Type material: UCBL-EM31000, possible syntype. — Current status: *Galeodinopsis biangulata* (Deshayes, 1861) (Garilli & Parrinello 2014: 389-390, figs 9-10, including possible syntype; as “1864”).

*buccinoides*, *Rissoa* – Deshayes, 1835b: 151-152, pl. 19, figs 40-42; 1838-*HistNatAnim2*: 465-466; 1843-*HistNatAnim3*: 435. — Type locality: Peloponnese Peninsula, Greece. — Type age: Recent. Synonym of *Alvania discors* (T. Brown, 1818) [*Turbo*] (Sabelli *et al.* 1990: 149, as “pars” and Brown as “Allan”).

*cingulata*, *Rissoa* – Deshayes, 1861-*DescrCoqFoss*: 408-409, 24, pl. 24, figs 16-18, *non* Philippi, 1836, *nec* MacGillivray, 1843. — Type localities: Thiverval-Grignon & Ver-sur-Launette. — Type age: Eocene (Lutetian-Bartonian). *Rissoa zosta* Bayan, 1873a (Bayan 1873a: 94-95), replacement name. — Current status: *Alvania zosta* (Bayan, 1873) (Le Renard & Pacaud 1995: 99; Pacaud 2008: 52).

*inchoata*, *Rissoa* – Deshayes, 1861-*DescrCoqFoss*: 407, 24, pl. 24, figs 19-21. — Type localities: Jeurre, Étrechy & Morigny-Champigny. — Type age: Eocene (Rupelian). — Current status: *Rissoa inchoata* Deshayes, 1861.

*miseria*, *Rissoa* – Deshayes, 1861-*DescrCoqFoss*: 410, 24, pl. 24, figs 13-15. — Type localities: Mercin-et-Vaux, Hérouval & Laver-sine. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32485, syntype from Mercin-et-Vaux. — Current status: *Pusillina misera* (Deshayes, 1861) (Le Renard & Pacaud 1995: 99).

*plicatus*, *Turbo* – Deshayes, 1832-*DescrCoqFoss*: 261, 20, pl. 34, figs 12-14, *non* Montagu, 1803, *nec* Megerle von Mühlfeld, 1824; 1838-*HistNatAnim2*: 478; 1843-*HistNatAnim3*: 439, the latter two as *Rissoa*. — Type localities: Versailles & Montmorency. — Type age: Oligocene (Rupelian). The latter would preoccupy *Rissoa plicata* Hutton, 1873. — Current status: synonym of *Rissoa turbinata* (Lamack, 1804) (P. Lozouet pers. comm., February 13, 2023).

#### Family RISSOINIDAE Stimpson, 1865

*clavula*, *Melania (Rissoa)* – Deshayes, 1825-*DescrCoqFoss*: 117, 7, pl. 14, figs 18-19; 1832-*EncyMeth*: 889-890, as *Rissoa*; 1838-*HistNatAnim2*: 486; 1843-*HistNatAnim3*: 442; 1861-*DescrCoqFoss*: 398, as *Rissoina*. — Type localities: Mouchy-le-Châtel & Thiverval-Grignon. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32150, syntype from Thiverval-Grignon. — Current status: *Rissoina (Rissoina) clavula* (Deshayes, 1825) (Le Renard &

Pacaud 1995: 100; Pacaud 2008: 53; Lozouet 2015: 17; Tréguier & Pacaud 2018: 212).

*discreta*, *Rissoina* – Deshayes, 1861-*DescrCoqFoss*: 394-395, 22, pl. 22, figs 10-12. — Type localities: Thiverval-Grignon, Parnes, Fontenay-Saint-Père, Les Groux, Gomerfontaine, Mouchy-le-Châtel, Saint-Félix, Chaussy & Castelgomberto. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32471, syntypes from Thiverval-Grignon. *Rissoina (Rissoina) cochlearella* [Lamarck, 1804] *discreta* Deshayes, 1861 (Le Renard & Pacaud 1995: 100). — Current status: *Rissoina (Rissoina) discreta* Deshayes, 1861; Pacaud 2008: 53).

*gigantea*, *Rissoa* – Deshayes, 1850-*TraitElem*: 48, pl. 77, figs 18-20. — Type locality: none given [southeast Pacific]. — Type age: Recent. — Type species (OD) of *Moerchiella* G. Nevill, 1885. — Current status: *Rissoina (Moerchiella) gigantea* (Deshayes, 1850) (Sleurs 1993: 92-94, figs 20A-B, 54A; Poppe 2008a: 504, pl. 197, fig. 10, as *Rissoina*; Hasegawa, in Okutani 2017: 808, pl. 76, fig. 1, as “1848”).

*mohrensterni*, *Rissoina* – Deshayes, 1863: 62-63, pl. 8, figs 6-7. — Type locality: La Réunion. — Type age: Recent. *Zebinella mohrensterni* (Deshayes, 1863) (MolluscaBase).

*plicatilis*, *Rissoina* – Deshayes, 1861-*DescrCoqFoss*: 393-394, 22, pl. 22, figs 13-15. — Type locality: Chéry-Chartreuve. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32472, syntypes. — Current status: *Rissoina (Rissoina) polita* [Deshayes, 1825] *plicatilis* Deshayes, 1861 (Le Renard & Pacaud 1995: 100). *Rissoina (Rissoina) plicatilis* Deshayes, 1861 (Pacaud 2008: 53).

*polita*, *Melania (Rissoa)* – Deshayes, 1825-*DescrCoqFoss*: 116, 7, pl. 14, figs 20-21; 1838-*HistNatAnim2*: 484; 1843-*HistNatAnim3*: 442-443, both as *Rissoa*; 1861-*DescrCoqFoss*: 396, as *Rissoina*. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). 1832-*EncyMeth*: 889, as *Rissoa*. — Current status: *Rissoina (Rissoina) polita* (Deshayes, 1825) (Le Renard & Pacaud 1995: 100; Pacaud 2008: 53).

*puncticulata*, *Rissoina* – Deshayes, 1861-*DescrCoqFoss*: 395-396, 24, pl. 24, figs 25-28. — Type localities: Cuise-la-Motte, Laon, Mercin-et-Vaux & Hérouval. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32486, syntype from Laon. — Current status: *Rissoina (Rissoina) puncticulata* Deshayes, 1861 (Le Renard & Pacaud 1995: 100).

*sowerbyi*, *Rissoa* – Deshayes, 1838-*HistNatAnim2*: 485; 1843-*HistNatAnim3*: 442. — Type locality: “Ancliffe” [Arncliffe], U.K. — Type age: Oolite [middle Jurassic]. Replacement name for *Rissoa acuta* J. de C. Sowerby, 1829 (J. de C. Sowerby 1843: 230, pl. 609, fig. 2), *non* Desmarest, 1814, *nec* Risso, 1826. Unnecessarily additionally renamed *Rissoina ancliffensis* Cox & Arkell, 1950 (Cox & Arkell 1950: 68). Preoccupies the South African *Rissoa sowerbyi* W. H. Turton, 1932, which has not yet been replaced. Guzhov (2017: 783) assigned *Rissoa acuta* J. de C. Sowerby “and” *Rissoina ancliffensis* to *Palaeorissoina*. — Current status: *Palaeorissoina sowerbyi* (Deshayes, 1838).

*burdigalensis*, *Rissoina* – Listed by Couffon (1907: 191) as by Deshayes, its author is actually d’Orbigny, 1852.

*incerta*, *Melania* – Leymerie, 1841: 320, *nomen nudum*; 1842: 12, 30, pl. 16, fig. 5a-b, *ex* Deshayes ms, *non* Grateloup, 1838, *nec* Anton, 1838. — Type locality: Érvy-le-Châtel. — Type age: Cretaceous (Albian). All preoccupy *Melania incerta* Brot, 1862. *Rissoina incerta* (Leymerie, 1842) (Ponder 1985: 80; Kollmann 2005: 22, pl. 2, figs 5-6; Colleté *et al.*, 2010: 73). This generic assignment would preoccupy *Rissoina incerta* Souverbie, 1872. *Rissoina albis* Pacaud,



**n. name (replacement name herein)**, for Leymerie's species: from *Albis*, Latin for the name of the Aube River and the department where the type material was collected; name given in apposition.

*loueli*, *Rissoina* – Hörnes, 1856: 555, pl. 48, fig. 2, *ex* Deshayes ms. The Miocene *Rissoina* (*Zebinella*) *loueli* (Hörnes, 1856) (Glibert 1949: 111, pl. 6, fig. 7, as “Deshayes, in Hörnes”).

*macrostoma*, *Rissoina* – Schwartz von Mohrenstern, 1860: 105, pl. 9, fig. 71, *ex* Deshayes ms. Hautteville-Bocage, France. — Type age: Eocene (Lutetian).

#### Family ZEBINIDAE Coan, 1964

*cincta*, *Rissoina* – Deshayes, 1861-*DescrCoqFoss*: 404, 24, pl. 24, figs 4-6, *non* Abich, 1859. — Type localities: Auvers-sur-Oise, Valmondois & Le Fayel. — Type age: Eocene (Bartonian). *Pseudotaphrus cinctus* (Deshayes, 1861) (Le Renard & Pacaud 1995: 100). — Current status: *Pseudotaphrus deshayesi* Pacaud, **n. name (replacement name herein)**.

*decipiens*, *Rissoina* – Deshayes, 1861-*DescrCoqFoss*: 402, 26, pl. 26, figs 16-18. — Type locality: Vregny. — Type age: Eocene (Ypresian). — Current status: *Cossmannia decipiens* (Deshayes, 1861) (Le Renard & Pacaud 1995: 100).

*expansa*, *Rissoina* – Deshayes, 1861-*DescrCoqFoss*: 396, 24, as *Rissoina* “*expansilabris*”, pl. 24, figs 7-9; 1865-*DescrCoqFoss*: 666 [error noted]. — Type localities: Thiverval-Grignon & Cresnes. — Type age: Eocene (Lutetian). — Type species (OD) of *Diastictus* Cossmann, 1888, *non* Mulsant, 1842 [Coleoptera]; *Cossmannia* Newton, 1891, replacement name. — Current status: *Cossmannia expansa* (Deshayes, 1861) (Le Renard & Pacaud 1995: 100; Pacaud 2008: 54).

*expansilabris*, *Rissoina* – Deshayes, 1861-*DescrCoqFoss*: 24. Incorrect spelling of *Rissoina expansa* Deshayes, 1861 (see above).

*fallax*, *Rissoina* – Deshayes, 1861-*DescrCoqFoss*: 398, 22, pl. 22, figs 20-22. — Type locality: Le Fayel. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32473, syntypes. — Current status: *Zebina* (*Zebina*) *fallax* (Deshayes, 1861) (Le Renard & Pacaud 1995: 100; Tréguier & Pacaud 2018: 209).

*levigatissima*, *Rissoina* – Deshayes, 1861-*DescrCoqFoss*: 397, 22, pl. 22, figs 7-9. — Type localities: Thiverval-Grignon, Parnes, Les Groux & Chaussy. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32470, syntypes from Thiverval-Grignon. — Current status: *Zebina* (*Zebina*) *levigatissima* (Deshayes, 1861) (Le Renard & Pacaud 1995: 100; Pacaud 2008: 53; Lozouet 2015: 23; Tréguier & Pacaud 2018: 212, as *Z. “laevigatissima”*).

*paludinaeformis*, *Rissoina* – Deshayes, 1861-*DescrCoqFoss*: 405, 22, pl. 22, figs 23-25. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Zebina* (*Zebina*) *paludinaeformis* (Deshayes, 1861) (Le Renard & Pacaud 1995: 100; Pacaud 2008: 53).

*schwartzi*, *Rissoina* – Deshayes, 1861-*DescrCoqFoss*: 397-398, 22, pl. 22, figs 26-28. — Type localities: Hérouval & Lizy-sur-Ourcq. — Type age: Eocene (Lutetian-Bartonian). — Type material: UCBL-EM 32475, syntype from Lizy-sur-Ourcq. — Current status: *Zebina* (*Zebina*) *schwartzi* (Deshayes, 1861) (Le Renard & Pacaud 1995: 100; Pacaud 2008: 53).

*transversaria*, *Rissoina* – Deshayes, 1861-*DescrCoqFoss*: 393, 24, pl. 24, figs 1-3. — Type locality: Hérouval. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32483, syntype. — Current status: *Pseudotaphrus transversaria* (Deshayes, 1861) (Le Renard & Pacaud 1995: 100).

#### Family AMNICOLIDAE Tryon, 1863

*irregularis*, *Bithinia* (*Nematuna*) – Deshayes, 1862-*DescrCoqFoss*: 515, 35, pl. 35, figs 34-36. — Type localities: Chambors, Hérouval, Hermonville & Parnes. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32540, syntype from Hérouval. — Type species (M) of *Lapparentia* Berthelin, 1885. — Current status: *Lapparentia irregularis* (Deshayes, 1862) (Le Renard & Pacaud 1995: 98; Pacaud 2008: 53).

#### Family ASSIMINEIDAE H. Adams & A. Adams, 1856

*aurantiacum*, *Cyclostoma* – Deshayes, 1832b: 416-417, 439, 522, pl. 1, figs 16-17; 1838-*HistNatAnim2*: 373; 1843-*HistNatAnim3*: 402. — Type locality: Pondichery, India; Bélanger. — Type age: Recent. Unnecessarily renamed *Cyclostoma belangeri* L. Pfeiffer, 1846 (L. Pfeiffer 1846: 82, 85), when it was considered a secondary homonym with *Annularia aurantiaca* Schumacher, 1817. — Current status: synonym of *Omphalotropis rubens* (Quoy & Gaimard, 1832) [*Cyclostoma*] (Griffiths & Florens 2006: 64).

*moreleti*, *Cyclostoma* (*Hydrocoena*) – Deshayes, 1863: 84, pl. 10, figs 7-8, *non* L. Pfeiffer, 1850. — Type locality: La Réunion. — Type age: Recent. — Current status: synonym of *Omphalotropis rubens* (Quoy & Gaimard, 1832) [*Cyclostoma*] (Nevill 1870: 415).

#### Family BITHYNIIDAE J. E. Gray, 1857

##### NOTE

*Bithinia* is a subsequent incorrect subsequent spelling of *Bithynia* Leach, 1818, by J. E. Gray, 1821.

*deschiensiana*, *Bithinia* – Deshayes, 1862-*DescrCoqFoss*: 492, 33, pl. 33, figs 19-24. — Type localities: Saint-Parres-lès-Vaudes & Les Éparmaillies. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32520, syntype from Saint-Parres-lès-Vaudes. — Type species (SD ICZN Opinion 1965 (2001) of *Euchilus* Sandberger, 1870. — Current status: *Euchilus deschiensianus* (Deshayes, 1862) (Le Renard & Pacaud 1995: 95; Pacaud 2008: 53).

*inflata*, *Cyclostoma* – Deshayes, 1824-*DescrCoqFoss*: 78-79, 4, pl. 7, figs 8-9. — Type locality: Maulette. — Type age: Eocene (Lutetian). — Current status: synonym of *Euchilus desmaresti* (Prevost, 1821) [*Paludina*] (Cossmann 1888: 223).

*limbata*, *Bithinia* – Deshayes, 1862-*DescrCoqFoss*: 492-493, pl. 35, figs 28-30. — Type locality: Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32538, syntypes. *Euchilus limbatus* (Deshayes, 1862) (Le Renard & Pacaud 1995: 95, as “*non*”). — Current status: *Rissoia*? *limbata* (Deshayes, 1862) (Leroy *et al.* 2014: 24, pl. 32, figs 5-6).

#### Family BYTHINELLIDAE Locard, 1893

*alta*, *Valvata* – Deshayes, 1862-*DescrCoqFoss*: 524, 36, pl. 36, figs 3-5. — Type locality: Sinceny. — Type age: Eocene (Ypresian). *Bythinella* (*Bythinella*) *alta* (Deshayes, 1862) (Wenz 1926: 2017). — Current status: synonym of *Bythinella* (*Bythinella*) *parkinsoni* (Morris, 1854) (Le Renard & Pacaud 1995: 98).

*cylindracea*, *Bithinia* (*Nematuna*) – Deshayes, 1862-*DescrCoqFoss*: 514, 35, pl. 35, figs 35-37. — Type locality: Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32537, syntypes. — Current status: *Bythinella* (?*Bythinella*) *cylindracea* (Deshayes, 1862) (Le Renard & Pacaud 1995: 99).

*eugenii*, *Bithinia* – Deshayes, 1862-DescrCoqFoss: 497-498, 34, pl. 34, figs 7-9. — Type locality: Chambors. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32523, syntypes. — Type species (M) of *Acrophlyctis* Cossmann, 1888. — Current status: *Bythinella* (*Acrophlyctis*) *eugenii* (Deshayes, 1862) (Le Renard & Pacaud 1995: 99; Pacaud 2008: 53).

*expulsa*, *Bithinia* – Deshayes, 1862-DescrCoqFoss: 510-511, 34, pl. 34, figs 16-18. — Type localities: Houdan, Chambors & Thiverval-Grignon. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32525, syntypes from Houdan. — Current status: *Bythinella* (*Bythinella*) *expulsa* (Deshayes, 1862) (Le Renard & Pacaud 1995: 98; Pacaud 2008: 53).

*minuata*, *Bithinia* – Deshayes, 1862-DescrCoqFoss: 512-513, 34, pl. 34, figs 4-6. — Type localities: Houdan, Thiverval-Grignon, Mouy, Hérouval & Saint-Thomas. — Type age: Eocene (Lutetian). Unnecessarily replaced by Cossmann (1888: 218) as *Bithinella* (*Bythinella*) *mutata*. — Current status: *Bythinella* *minuata* (Deshayes, 1862) (T. Neubauer pers. comm., March 6, 2022).

*pulchra*, *Bithinia* – Deshayes, 1862-DescrCoqFoss: 508-509, 34, pl. 34, figs 29-31. — Type localities: Jaignes, Crépy-en-Valois, La Chapelle-en-Serval, Saint-Sulpice, Craquelots, Mortefontaine, Montjavoult, Sérans, Ver-sur-Launette, Mesnil-Aubry & Beauchamp. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32529, syntypes from La Chapelle-en-Serval. — Current status: *Bythinella* (*Bythinella*) *pulchra* (Deshayes, 1862) (Le Renard & Pacaud 1995: 98).

*pupina*, *Bithinia* – Deshayes, 1862-DescrCoqFoss: 511, 35, pl. 35, figs 11-13. — Type localities: Jaignes, Beauchamp, Chéry-Chartreuve & Chambors. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32535, syntypes from Jaignes. — Current status: *Bythinella* (*Bythinella*) *pupina* (Deshayes, 1862) (Le Renard & Pacaud 1995: 98).



*intermedia*, *Bithinia* (*Nematura*) – Deshayes, 1862-DescrCoqFoss: 513, 34, pl. 34, figs 41-43. First made available by Melleville, 1843, as *Paludina intermedia* (p. 96 [50, 83], pl. 4, figs 4-6). — Type locality: Ciry-Salsogne. — Type age: Eocene (Ypresian). *Stenothyra intermedia* (Melleville, 1843) (Wenz 1926: 2217). — Current status: *Bythinella intermedia* (Melleville, 1843) (Le Renard & Pacaud 1995: 98).

*pygmaea*, *Paludina* – Deshayes, 1825-DescrCoqFoss: 130, 8, pl. 15, figs 9-10. Deshayes correctly credited this species name to Brongniart. However, Deshayes' own Paris Basin material was not conspecific with Brongniart's species, although his figure was of Brongniart's holotype. Later, Wenz (1924: 222) proposed *Bythinella deshayesi* for the Paris Basin material, doing so seemingly as a replacement for a junior homonym, but it was a completely new species.

#### Family CAECIDAE J. E. Gray, 1850

*carpenteri*, *Caecum* – Deshayes, 1861-DescrCoqFoss: 303, 26, pl. 26, figs 1-3 [in text as figs 7-9; 1865-DescrCoqFoss: 665 [error corrected]]. — Type locality: Étrechy. — Type age: Oligocene (Rupelian). Preoccupies *Caecum carpenteri* (Bartsch, 1920) [*Elephantanellum*], which was renamed *Caecum adamsi* Raines, 2020. — Current status: *Caecum carpenteri* Deshayes, 1861 (Lozouet 2015: 18, pl. 2, figs 12-13).

*edwardsi*, *Caecum* (*Strebloceras*) – Deshayes, 1861-DescrCoqFoss: 303, 26, pl. 26, figs 7-9 [in text as figs 1-3]; 1865-DescrCoqFoss: 665 [error corrected]. — Type locality: Étrechy. — Type age: Oligocene (Rupelian). — Current status: *Strebloceras edwardsi* (Deshayes, 1861) (Lozouet & Maestrati 2012a: 282, 285, fig. 184: 16; Vannozi 2016: 112-115, figs K-N, type material not found).

*lituus*, *Caecum* (*Strebloceras*) – Deshayes, 1861-DescrCoqFoss: 302, 26, pl. 26, figs 4-6. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Current status: *Strebloceras lituus* (Deshayes, 1861) (Le Renard & Pacaud 1995: 103; Pacaud 2008: 53).

#### Family EMMERICIIDAE Brusina, 1870

*clandestinum*, *Cyclostoma* – Deshayes, 1863-DescrCoqFoss: 882, 58, pl. 58, figs 5-7. — Type locality: Fontainebleau. — Type age: Oligocene (Rupelian). — Type species (OD) of *Kuiperia* Schlickum, 1961. — Current status: *Kuiperia clandestina* (Deshayes, 1863) (MolluscaBase).

#### Family ELACHISINIDAE Ponder, 1985

*Lacunella* – Deshayes, 1861-DescrCoqFoss: 383-384. — Type species (M): *Lacunella depressa* Deshayes, 1861. Preoccupies *Lacunella* Dall, 1884 [Littorinidae]. *Lacunaria* Dall, 1885, was a replacement name for *Lacunella* Dall, 1884. However, it too proved to be a junior homonym, *non* Conrad, 1866 [Naticidae]. *Haloconcha* Dall, 1886, was the final available replacement. In recent years, *Haloconcha* has been synonymized with *Lacuna* in the Littorinidae. — Current status: *Lacunella* Deshayes, 1861, is a valid genus.

*bulimoides*, *Lacuna* – Deshayes, 1861-DescrCoqFoss: 377-378, 17, pl. 17, figs 19-21. — Type locality: Retheuil. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32453, syntype. Not to be confused with *Lacuna bulimopsis* [Planaxidae], which was mislabeled as *L. bulimoides* on one plate. — Current status: *Lacunella bulimoides* (Deshayes, 1861) (Le Renard & Pacaud 1995: 102).

*depressa*, *Lacunella* – Deshayes, 1861-DescrCoqFoss: 383-384, 18, pl. 18, figs 9-11. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32458, syntype. — Current status: *Lacunella depressa* Deshayes, 1861 (Le Renard & Pacaud 1995: 105; Pacaud 2008: 54).

*marginata*, *Lacuna* – Deshayes, 1861-DescrCoqFoss: 379, 17, pl. 17, figs 22-24. — Type localities: Hérouval, Chaumont-en-Vexin, Thiverval-Grignon, Fleury-la-Rivière & Chaussy. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32454 & 32455, syntypes from Thiverval-Grignon. — Type species (OD) of *Cirsopo* Cossmann, 1888. — Current status: *Cirsopo marginata* (Deshayes, 1861) (Le Renard & Pacaud 1995: 105; Pacaud 2008: 54).

*minutissima*, *Lacuna* – Deshayes, 1861-DescrCoqFoss: 376-377, 17, pl. 17, figs 1-3. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Elachisina minutissima* (Deshayes, 1861) (Le Renard & Pacaud 1995: 105; Pacaud 2008: 54).

*nitens*, *Lacuna* – Deshayes, 1861-DescrCoqFoss: 378, 18, pl. 18, figs 15-17. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Lacunella depressa* [Deshayes, 1861] *nitens* (Deshayes, 1861) (Le Renard & Pacaud 1995: 101).

*solidula*, *Lacuna* – Deshayes, 1861-DescrCoqFoss: 380, 18, pl. 18, figs 21-23, *non* Lovén, 1846. — Type locality: Hérouval. — Type age: Eocene (Lutetian). Renamed *Lacuna loveni* Bayan, 1873a (Bayan 1873a: 95). — Current status: *Elachisina loveni* (Bayan, 1873) (Le Renard & Pacaud 1995: 102; Pacaud 2008: 54).

*striatissima*, *Lacuna* – Deshayes, 1861-DescrCoqFoss: 16, pl. 16, figs 29-31; 1865-DescrCoqFoss: 666 [pl. expl. should have said *Lacuna labiata* Sandberger, 1859 (pl. 12, fig. 8; 126-127, 1860), but noting this correction as “pl. 15” in error]. Deshayes thus came to regard his species to be a synonym of what is now *Pseudocirsopo labiata* (Sandberger, 1859). — Type localities: Jeurre, Etréchy, Morigny-Champigny, Franc & Hackenheim, Germany. — Type age: Oligocene (Rupelian). — Current status: synonym of what is now *Pseudocirsopo labiata* (Sandberger, 1859)



Family HYDROBIIDAE Stimpson, 1865

*abnormis*, *Bithinia* (*Nematura*) – Deshayes, 1862-*DescrCoqFoss*: 515-516, 35, pl. 35, figs 14-17. — Type locality: Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). *Lapparentia abnormis* (Deshayes, 1862) (Le Renard & Pacaud 1995: 99). — Type species (OD) of *Costhyrella* Pacaud, 1997. — Current status: *Costhyrella abnormis* (Deshayes, 1862) (Pacaud 1997: 3, figs 2-3, 18, 26; Leroy *et al.* 2014: 24, pl. 32, fig. 7).

*cochlearella*, *Bithinia* – Deshayes, 1862-*DescrCoqFoss*: 508, pl. 35, figs 18-20. — Type locality: Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32536, syntypes. — Current status: *Lapparentia* (*Lapparentia*) *cochlearella* (Deshayes, 1862) (Le Renard & Pacaud 1995: 99) (Pacaud 1997: 8, fig. 12, 23, 30).

*crassa*, *Bithinia* – Deshayes, 1862-*DescrCoqFoss*: 494, 33, pl. 33, figs 22-24. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32521, holotype. — Current status: *Peringia crassa* (Deshayes, 1862) (Le Renard & Pacaud 1995: 98).

*crassilabris*, *Bithinia* – Deshayes, 1862, 493-494, pl. 35, figs 40-42. — Type locality: Hermonville. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32541, 2 syntypes. — Current status: *Peringia crassilabris* (Deshayes, 1862) (Le Renard & Pacaud 1995: 98; Pacaud 2008: 54).

*heberti*, *Bithinia* – Deshayes, 1862-*DescrCoqFoss*: 499, pl. 35, figs 37-39. — Type locality: Saint-Sauveur. — Type age: Eocene (Ypresian). — Type material: MNHN.FJ03761, neotype (Cossmann, 1913: 140). — Current status: *Hydrobia* (*Tournoueria*) *heberti* (Deshayes, 1862) (Le Renard & Pacaud 1995: 98).

*incerta*, *Rissoa* – Deshayes, 1861-*DescrCoqFoss*: 410-411, 23, pl. 23, figs 28-30, “*non* Anton, 1839”, but this was not the combination that Anton (1838) used, which was *Eulima incerta*. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32480, syntypes. *Hydrobia* (*Hydrobia*) *antoni* Le Renard, 1994 (Le Renard 1994: 37), unnecessary replacement name. — Current status: *Hydrobia* (*Hydrobia*) *incerta* (Deshayes, 1861) (Kadolsky 2021: 126).

*laevigatus*, *Bulimus* – Deshayes, 1824-*DescrCoqFoss*: 62, 4, pl. 8, figs 14-15. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). 1862-*DescrCoqFoss*: 511, as *Bithinia* “*levigata*”. — Current status: synonym of *Hydrobia* (*Ecrobia*) *sextona* (Lamarck, 1804) (Cossmann, 1888: 214).

*marceauxiana*, *Bithinia* – Deshayes, 1862-*DescrCoqFoss*: 503, 34, pl. 34, figs 19-21. — Type localities: Mareuil-en-Dôle, Lizy-sur-Ourcq, Beauchamps, La Chapelle-en-Serval, Les Craquelots & Montjavoult. — Type age: Eocene (Bartonian). — Current status: *Hydrobia* (*Polycirsus*) *tuba* [Deshayes, 1862] *marceauxiana* (Le Renard & Pacaud 1995: 98).

*modicum*, *Cyclostoma* – Deshayes, 1863-*DescrCoqFoss*: 883-884, 57, pl. 57, figs 34-36. — Type locality: Mont-Bernon (Épernay). — Type age: Eocene (Ypresian). — Current status: *Stalioa modica* (Deshayes, 1863) (Le Renard & Pacaud 1995: 99).

*nitens*, *Bithinia* – Deshayes, 1862-*DescrCoqFoss*: 501, 34, pl. 34, figs 13-15. — Type localities: Chambors, Thiverval-Grignon & La Ferme de l’Orme. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32526, syntypes from Chambors. — Current status: *Hydrobia* (*Parhydrobia*) *nitens* (Deshayes, 1862) (Le Renard & Pacaud 1995: 98; Pacaud 2008: 54).

*sandbergeri*, *Bithinia* – Deshayes, 1862-*DescrCoqFoss*: 504, 34, pl. 34, figs 1-3. — Type locality: Ormoy-la-Rivière. — Type age: Oligocene (Rupelian). — Current status: synonym of *Hydrobia aturensis* Noulet, 1854 (Kadolsky 2008a: 236).

*sparnacensis*, *Bithinia* – Deshayes, 1862-*DescrCoqFoss*: 500, pl. 35, figs 5-7. — Type locality: Mont-Bernon (Épernay). — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32534, syntype. — Current status: *Hydrobia* (*Parhydrobia*) *sparnacensis* (Deshayes, 1862) (Le Renard & Pacaud 1995: 98).

*subulata*, *Paludina* – Deshayes, 1825-*DescrCoqFoss*: 133, 8, pl. 15, figs 19-20, 25-26; 1862-*DescrCoqFoss*: 507, as *Bithinia*. — Type localities: Beauchamp, Pierrelaye & Thiverval-Grignon. — Type age: Eocene (Lutetian-Bartonian). — Type material: UCBL-EM 32156, syntypes from Beauchamp. — Type species (SD de Morgan, 1920) of *Parhydrobia* Cossmann & Dollfus, 1913. — Current status: *Hydrobia* (*Parhydrobia*) *subulata* (Deshayes, 1825) (Le Renard & Pacaud 1995: 98; Pacaud 2008: 54).

*tuba*, *Bithinia* – Deshayes, 1862-*DescrCoqFoss*: 503-504, 34, pl. 34, figs 25-28. — Type locality: Le Fayel. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32528, syntypes. — Type species (OD) of *Polycirsus* Cossmann, 1888. — Current status: *Hydrobia* (*Polycirsus*) *tuba* (Deshayes, 1862) (Le Renard & Pacaud 1995: 98).

*turgidulus*, *Bulimus* – Deshayes, 1863-*DescrCoqFoss*: 833-834, 54, pl. 54, figs 25-27. — Type locality: Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32618, syntype. — Current status: *Peringia* “?” *turgidula* (Deshayes, 1863) (Le Renard & Pacaud 1995: 98).

Family IRAVADIIDAE Thiele, 1928

*fragilis*, *Lacuna* – Deshayes, 1861-*DescrCoqFoss*: 375, 17, pl. 17, figs 25-27. — Type locality: Noailles. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32456, syntype. — Current status: *Antimodulus fragilis* (Deshayes, 1861) (Le Renard & Pacaud 1995: 102; Leroy *et al.* 2014: 24, pl. 32, fig. 3a-b).

*praelonga*, *Lacuna* – Deshayes, 1861-*DescrCoqFoss*: 377, 17, pl. 17, figs 10-12. — Type localities: Parnes & Liancourt-Saint-Pierre. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32450, syntype from Parnes. Nominal type species (OD) of *Lacunoptyxis* Cossmann, 1888. However, Gougerot & Le Renard (1982: 25) showed that Cossmann had misidentified the type species. *Lacuna praelonga* of Deshayes is a *Ceratia* in the family Iravadiidae, whereas Cossmann actually used it in the sense of *Odontostomia nisoides* Cossmann, 1888 (Pyramidellidae). In accordance with ICZN Code Art. 70.3.2, we here designate the taxonomic species involved in the Cossmann’s misidentified concept as the type species of *Lacunoptyxis* Cossmann, 1888, which is probably identical to *Odontostomia nisoides* Cossmann, 1888, also the type species (OD) of *Nisostomia* Cossmann, 1921. Both genera are now regarded as junior synonyms of *Ondina* de Folin, 1870. — Current status: *Ceratia praelonga* (Deshayes, 1861) (Le Renard & Pacaud 1995: 99; Le Renard 1996: 92; Pacaud 2008: 54).

Family POMATIOPSIDAE Stimpson, 1865

*Lacunopsis* – Deshayes, 1876: 147-150. — Type species (SD Thiele, 1928): *Lacunopsis monodonta* Deshayes, 1876. — Preoccupies *Lacunopsis* Harmer, 1923 [Littorinidae], which was replaced by *Harmeria* Tomlin, 1931. — Current status: valid genus and type genus of the tribe *Lacunopsini* Davis, 1979, but these tribes are currently not used (Shi *et al.* 2020).

*antediluviana*, *Truncatella* – Deshayes, 1861-*DescrCoqFoss*: 421-422, 18, pl. 18, figs 24-27. — Type localities: Houdan & Thiverval-Grignon. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32865, syntype from Thiverval-Grignon. *Truncatella antediluviana* Deshayes, 1861 (Le Renard & Pacaud 1995: 97). — Current status: *Bouryia antediluviana* (Deshayes, 1861) (Pacaud 2008: 54; Pacaud 2011: 9).

*conjunctum*, *Cerithium* – Deshayes, 1833-*DescrCoqFoss*: 387, 39, pl. 73, figs 1-3 [pl. mistakenly listed in text as 75]; 1837-*DescrCoqFoss*: 812 [correction made]; 1865-*DescrCoqFoss*: 123-124, 80, pl. 80, figs 9-12, 16 [listed in text as figs 19-21; fig. 13 listed on p. 80, but this is *Cerithium insolitum*]; 1865-*DescrCoqFoss*: 667 [last fig. expl. correction made]. — Type locality: Versailles. — Type age: Oligocene (Rupelian). — Current status: *Potamidopsis trochleare* [Lamarck, 1804] form *conjunctus* (Deshayes, “1824”) (Lozouet & Maestrati 2012a: 274, fig. 178.3-10).

*flava*, *Melania* – Deshayes in Deshayes & Jullien, 1876: 145-146, 162, pl. 8, figs 8-11, 12-15 [var.]. — Type locality: Mekong River, Cambodia, near Koko. — Type age: Recent. — Type species (M) of *Jullienia* Crosse & P. Fischer, 1876b, the type genus of the subfamily Jullieniinae Davis, 1979. — Current status: *Jullienia flava* (Deshayes, 1876) (Davis 1979: 110; Breure *et al.* 2022a: 48).

*jullieni*, *Lacunopsis* – Deshayes in Deshayes & Jullien, 1876: 148-149, 161, pl. 7, figs 19-22. — Type locality: Ca-Lgniou Island, Cambodia, sand. — Type age: Recent. — Current status: *Lacunopsis jullieni* Deshayes, 1876.

*microstoma*, *Cyclostoma* – Deshayes, 1824-*DescrCoqFoss*: 78, 4, pl. 7, figs 13-14; 1862-*DescrCoqFoss*: 495, pl. 35, figs 21-24, as *Bithinia*. — Type localities: Livilliers & Valmondois. — Type age: Eocene (Bartonian). — Type species (OD) of *Glibertiella* Schlic-kum, 1968. *Floridiscrobs* (*Glibertiella*) *microstoma* (Deshayes, 1824) (Le Renard & Pacaud 1995: 99, 103). — Current status: *Bouryia microstoma* (Deshayes, 1824) (Pacaud 2008: 54; Pacaud 2011: 9).

*monodonta*, *Lacunopsis* – Deshayes in Deshayes & Jullien, 1876: 149-150, 161, pl. 7, figs 15-18. — Type locality: Ca-Lgniou Island, Cambodia, sand. — Type age: Recent. — Current status: *Lacunopsis monodonta* Deshayes, 1876 (Thiele 1928: 379).

*parisiensis*, *Truncatella* – Deshayes, 1861-*DescrCoqFoss*: 422, 18, pl. 18, figs 28-30. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32866, syntype. — Current status: *Truncatella parisiensis* Deshayes, 1861 (Le Renard & Pacaud 1995: 97); *Bouryia parisiensis* (Deshayes, 1861) (Pacaud 2008: 54; Pacaud 2011: 9).

*tricastatus*, *Lacunopsis* – Deshayes in Deshayes & Jullien, 1876: 150-151, 160, pl. 7, figs 10-14. — Type locality: Tiô-Compîh, Cambodia. — Type age: Recent. — Type species (OD) of Type species (OD) of *Wykoffia* Brandt, 1968, which is now regarded as a synonym of *Jullienia* Crosse & P. Fischer, 1876b. — Current status: *Jullienia tricostata* (Deshayes, 1876) (Davis 1979: 113).

#### Family STENOTHYRIDAE Tryon, 1866

*globulus*, *Paludina* – Deshayes, 1825-*DescrCoqFoss*: 132, 8, pl. 15, figs 21-22; 1832-*EncyMeth*: 695. 1838-*HistNatAnim2*: 526; 1843-*HistNatAnim3*: 457; 1862-*DescrCoqFoss*: 517, as *Bithinia* (*Nematura*). — Type locality: Maulette. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32157, syntype. *Stenothyra* (*Stenothyroides*) *globulus* (Deshayes, 1825) (Le Renard & Pacaud 1995: 99). — Current status: *Stenothyroides globulus* (Deshayes, 1825) (Pacaud 2008: 54).

*mediana*, *Bithinia* (*Nematura*) – Deshayes, 1862-*DescrCoqFoss*: 518, 35, pl. 35, figs 43-45. — Type localities: Le Fayel, Leveumont, Mesnil-Aubry, Montagny-en-Vexin, Ver-sur-Launette, Saint-Sulpice, Valmondois, Crouy, Montjavoult, Chéry-Cartreuve, La Chapelle-en-Serval, Chesneaux. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32542, syntypes from La Chapelle-en-Serval. — Type species (OD) of *Stenothyroides* Lozouet, 1985. *Stenothyra* (*Stenothyroides*) *globulus* [Deshayes, 1825] *mediana* (Deshayes, 1862)

(Le Renard & Pacaud 1995: 99). — Current status: *Stenothyroides mediana* (Deshayes, 1862) (Lozouet *et al.* 2001: 36).

*perminuta*, *Bithinia* (*Nematura*) – Deshayes, 1862-*DescrCoqFoss*: 514, 35, pl. 35, figs 8-10. — Type localities: Jeurre, Etréchy & Versailles. — Type age: Oligocene (Rupelian). — Current status: *Stenothyroides perminuta* (Deshayes, 1862) (Lozouet & Maestrati 2012a: 282, 285, fig. 184: 2).

*pulvis*, *Bithinia* (*Nematura*) – Deshayes, 1862-*DescrCoqFoss*: 516, 34, pl. 34, figs 38-40. — Type localities: Ay, Vauxbuin, Mont-Bernon (Epernay), Disy & Rilly-la-Montagne. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32532, syntype from Ay. — Current status: *Stenothyra pulvis* (Deshayes, 1862) (Le Renard & Pacaud 1995: 99, their material as “non”).

*miliola*, *Bithinia* (*Nematura*) – Deshayes, 1862-*DescrCoqFoss*: 516-517, 34, pl. 34, figs 35-37. First made available by Melleville (1843), as *Paludina miliola* (Melleville 1843: 95-96 [49, 83], pl. 4, figs 1-3) (Wenz 1926: 2222). — Type locality: Ciry-Salsogne. — Type age: Eocene (Ypresian). — Current status: *Stenothyra miliola* (Melleville, 1843) (Le Renard & Pacaud 1995: 99).

*parvula*, *Nematura* – J. Morris, in Forbes, 1856: 152, pl. 4, fig. 4, *ex* Deshayes ms. — Current status: *Stenothyroides parvula* (J. Morris, in Forbes, 1856) (MolluscaBase).

#### Family TORNIDAE Sacco, 1896 [1884]

*complanatum*, *Teinostoma* – Deshayes, 1864-*DescrCoqFoss*: 926, 63, pl. 63, figs 33-36. — Type localities: Thiverval-Grignon & Caumont. — Type age: Eocene (Lutetian-Bartonian). — Current status: *Teinostoma* (*Teinostoma*) *complanatum* Deshayes, 1864 (Le Renard & Pacaud 1995: 87; Pacaud 2008: 55).

*concava*, *Adeorbis* – Deshayes, 1862-*DescrCoqFoss*: 440, 29, pl. 29, figs 30-33. — Type locality: Mary-sur-Marne. — Type age: Eocene (Bartonian). — Current status: *Circulus* (*Circulus*) *spirorbis* [Lamarck, 1894] *concavus* (Deshayes, 1862) (Le Renard & Pacaud 1995: 94).

*elegans*, *Teinostoma* – Deshayes, 1864-*DescrCoqFoss*: 922, 63, pl. 63, figs 16-20. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Teinostoma* (*Teinostoma*) *elegans* Deshayes, 1864 (Le Renard & Pacaud 1995: 87; Pacaud 2008: 55).

*fischeri*, *Adeorbis* – Deshayes, 1861-*DescrCoqFoss*: 432-, 1862-*DescrCoqFoss*: -433; 1862-*DescrCoqFoss*: 28, pl. 28, figs 17-19. — Type localities: Thiverval-Grignon & Chaussy. — Type age: Eocene (Lutetian). — Current status: *Cochliolepis fischeri* (Deshayes, 1861) (Le Renard & Pacaud 1995: 94).

*grignonensis*, *Teinostoma* – Deshayes, 1864-*DescrCoqFoss*: 924-925, 63, pl. 63, figs 30-32. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Circulus* “?” *grignonensis* (Deshayes, 1864) (Le Renard & Pacaud 1995: 87; Pacaud 2008: 55).

*intermedia*, *Adeorbis* – Deshayes, 1862-*DescrCoqFoss*: 437-438, 28, pl. 28, figs 20-23. — Type localities: Chaussy, Auvers-sur-Oise, Valmondois & Le Fayel. — Type age: Eocene (Lutetian-Bartonian). — Current status: *Circulus* (*Circulus*) *intermedius* (Deshayes, 1862) (Le Renard & Pacaud 1995: 94; Pacaud 2008: 55).

*laevigatus*, *Turbo* – Deshayes, 1832-*DescrCoqFoss*: 257, 19, pl. 33, figs 13-15, *non* *Trochus laevigatus* Gmelin, 1791; 1843-*HistNatAnim2*: 231; 1843-*HistNatAnim3*: 582-583; 1862-*DescrCoqFoss*: 433, as *Adeorbis* “*levigata*”. — Type locality: Thiverval-Grignon. — Type



age: Eocene (Lutetian). *Trochus bistriatus* Nyst, 1845a (Nyst 1845a: 379), non Münster, 1841, replacement name. *Trochus aurelius* d'Orbigny, 1850b (d'Orbigny 1850b: 347, no. 166), replacement name. — Current status: *Circulus* (*Circulus*) *aurelius* (d'Orbigny, 1850) (Pacaud 2007: 40; Pacaud 2008: 55).

*margaritula*, *Teinostoma* – Deshayes, 1864-DescrCoqFoss: 925-926, 63, pl. 63, figs 8-11 [in text as figs 9-11]; 1865-DescrCoqFoss: 666 [correction noted]. — Type localities: Thiverval-Grignon & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Teinostoma* (*Teinostoma*) *margaritula* Deshayes, 1864 (Le Renard & Pacaud 1995: 87; Pacaud 2008: 55).

*michaudi*, *Adeorbis* – Deshayes, 1862-DescrCoqFoss: 434, 28, pl. 28, figs 28-31. — Type localities: Noailles & Abbecourt. — Type age: Paleocene (Thanetian). — Current status: *Circulus* (*Circulus*) *michaudi* (Deshayes, 1862) (Le Renard & Pacaud 1995: 94).

*mitis*, *Adeorbis* – Deshayes, 1862-DescrCoqFoss: 435-436, 28, pl. 28, figs 32-35. — Type localities: Valmondois & Le Fayel. — Type age: Eocene (Bartonian). — Current status: *Circulus* (*Circulus*) *mitis* (Deshayes, 1862) (Le Renard & Pacaud 1995).

*mitis*, *Teinostoma* – Deshayes, 1864-DescrCoqFoss: 924, 63, pl. 63, figs 12-15. — Type localities: Mercin-et-Vaux & Retheuil. — Type age: Eocene (Ypresian). — Current status: *Teinostoma* (*Teinostoma*) *mite* Deshayes, 1864 (Le Renard & Pacaud 1995: 87; Pacaud 2008: 55).

*nitida*, *Adeorbis* – Deshayes, 1862-DescrCoqFoss: 436, 29, pl. 29, figs 1-4. — Type locality: Hérouval. — Type age: Eocene (Ypresian). — Current status: *Circulus* (*Circulus*) *nitidus* (Deshayes, 1862) (Le Renard & Pacaud 1995: 94).

*paucicostata*, *Adeorbis* – Deshayes, 1862-DescrCoqFoss: 437, 29, pl. 29, figs 5-8 [in text as figs 4-8]; 1865-DescrCoqFoss: 666 [correction made]. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Circulus* (*Circulus*) *planorbularis* [Deshayes, 1832] *paucicostatus* (Deshayes, 1862) (Le Renard & Pacaud 1995: 94; Jeffery & Tracey 1997: 82, 93, pl. 8, figs 1-3).

*planorbularis*, *Turbo* – Deshayes, 1832-DescrCoqFoss: 258, 19, pl. 33, figs 19-22; 1843-HistNatAnim2: 228-229; 1843-HistNatAnim3: 581-582; 1862-DescrCoqFoss: 437, as *Adeorbis*. — Type locality: Houdan. — Type age: Eocene (Lutetian). — Current status: *Circulus* (*Circulus*) *planorbularis* (Deshayes, 1832) (Le Renard & Pacaud 1995: 94; Pacaud 2008: 55).

*priscum*, *Teinostoma* – Deshayes, 1863-DescrCoqFoss: 62, pl. 62, figs 33-36; 1864-DescrCoqFoss: 923-924. — Type localities: Mercin-et-Vaux & Retheuil. — Type age: Eocene (Ypresian). — Current status: *Teinostoma* (*Teinostoma*) *priscum* Deshayes, 1864 (Le Renard & Pacaud 1995: 87).

*propinqua*, *Adeorbis* – Deshayes, 1862-DescrCoqFoss: 439, 29, pl. 29, figs 8-13. — Type localities: Ferme de l'Orme & Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: synonym of *Circulus bicarinatus* (Lamarck, 1804) [*Planorbis*] (Pacaud herein).

*rangii*, *Adeorbis* – Deshayes, 1862-DescrCoqFoss: 435, 29, pl. 29, figs 22-25. — Type locality: Chaussy. — Type age: Eocene (Lutetian). — Current status: *Circulus* (*Circulus*) *rangii* (Deshayes, 1862) (Le Renard & Pacaud 1995: 94; Pacaud 2008: 55).

*rota*, *Adeorbis* – Deshayes, 1862-DescrCoqFoss: 439-440, 28, pl. 28, figs 24-27. — Type locality: Hérouval. — Type age: Eocene (Ypresian). — Current status: *Circulus* (*Ponocyclus*) *rota* (Deshayes, 1862) (Le Renard & Pacaud 1995: 94).

*rotatorius*, *Turbo* – Deshayes, 1863-DescrCoqFoss: 899, 61, pl. 61, figs 18-21. — Type locality: Hérouval. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32649, syntypes. — Type species

(SD Pacaud 2017a) of *Adeorbella* Briart & Cornet, 1887. — Type species (OD) of *Parvirota* Cossmann, 1902, which is thus a junior synonym. *Parvirota rotatoria* (Deshayes, 1863) (Le Renard & Pacaud 1995: 89). — Current status: *Adeorbella rotatoria* (Deshayes, 1863) (Pacaud 2017a: 62).

*rotellaeformis*, *Teinostoma* – Deshayes, 1864-DescrCoqFoss: 921, 63, pl. 63, figs 21-23. — Type localities: Thiverval-Grignon, Parnes, Gomerfontaine, Saint-Félix, Mouchy-le-Châtel, Boursault, Damery, Saint-Thomas, Hermonville, Chaussy, Montmirail & Acy-en-Multien. — Type age: Eocene (Lutetian-Bartonian). — Current status: *Teinostoma* (*Teinostoma*) *rotellaeforme* Deshayes, 1864 (Le Renard & Pacaud 1995: 87; Pacaud 2008: 55).

*semistriata*, *Adeorbis* – Deshayes, 1862-DescrCoqFoss: 434-435, 29, pl. 29, figs 14-17. — Type locality: Hérouval. — Type age: Eocene (Ypresian). — Current status: *Circulus* (*Circulus*) *semistriatus* (Deshayes, 1862) (Le Renard & Pacaud 1995: 94).

*similis*, *Adeorbis* – Deshayes, 1862-DescrCoqFoss: 438-439, 29, pl. 29, figs 26-29. — Type locality: Hérouval. — Type age: Eocene (Ypresian). — Current status: *Circulus* (*Circulus*) *similis* (Deshayes, 1862) (Le Renard & Pacaud 1995: 94; Pacaud 2008: 55; Tréguier & Pacaud 2018: 209).

*striatissimum*, *Teinostoma* – Deshayes, 1864-DescrCoqFoss: 921-922, 63, pl. 63, figs 24-26. — Type locality: Boursault. — Type age: Eocene (Lutetian). *Teinostoma* (*Callodix*) *striatissima* Deshayes, 1864 (Le Renard & Pacaud 1995: 87). — Current status: *Teinostoma* (*Teinostoma*) *striatissima* Deshayes, 1864 (Pacaud & Le Renard 1995: 187; Pacaud 2008: 55).

*tenuistriata*, *Adeorbis* – Deshayes, 1862-DescrCoqFoss: 433-434, 29, pl. 29, figs 18-21. — Type localities: Chaumont-en-Vexin & Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Circulus* (*Circulus*) *tenuistriatus* (Deshayes, 1862) (Le Renard & Pacaud 1995: 94; Pacaud 2008: 55).

*tricostatus*, *Turbo* – Deshayes, 1832-DescrCoqFoss: 259-260, 19, pl. 33, figs 9-12; 1843-HistNatAnim2: 230-231; 1843-HistNatAnim3: 582; 1862-DescrCoqFoss: 441, as *Adeorbis*. — Type localities: Monneville, Valmondois & Tancrou. — Type age: Eocene (Bartonian). — Current status: synonym of *Circulus tricarinatus* (Defrance, 1828) (Pacaud herein).

*trigonostoma*, *Teinostoma* – Deshayes, 1864-DescrCoqFoss: 925, 63, pl. 63, figs 5-8. — Type locality: Caumont. — Type age: Eocene (Bartonian). — Current status: *Teinostoma* (*Teinostoma*) *trigonostoma* Deshayes, 1864 (Le Renard & Pacaud 1995: 87).

*wateleti*, *Teinostoma* – Deshayes, 1864-DescrCoqFoss: 927, 63, pl. 63, figs 37-39. — Type localities: Pierrefonds & Cuise-la-Motte. — Type age: Eocene (Ypresian). — Type species (OD) of *Megatyloma* Cossmann, 1888. *Teinostoma* (*Megatyloma*) *wateleti* Deshayes, 1864 (Le Renard & Pacaud 1995: 87). — Current status: *Megatyloma wateleti* (Deshayes, 1864) (Lozouet 2015: 24).

#### Family VANIKORIDAE J. E. Gray, 1840

*disparilis*, *Vanikoro* – Deshayes, 1863: 77, pl. 9, figs 15, 17. — Type locality: La Réunion. — Type age: Recent. — Current status: *Vanikoro disparilis* Deshayes, 1863 (Tröndlé & Boutet 2009: 20).

*elegans*, *Lacuna* – Deshayes, 1861-DescrCoqFoss: 371, 17, pl. 17, figs 4-6. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32448, holotype. — Type species (OD) of *Micromphalina* Cossmann, 1888. — Current status: *Macromphalus* (*Macromphalus*) *elegans* (Deshayes, 1861) (Le Renard & Pacaud 1995: 96; Pacaud 2008: 56).

*fenestratus*, *Fossarus* – Deshayes, 1857-TraitElem: xi, pl. 73 ter, figs 18-20. — Type locality: none given. — Type age: Recent? Preoccupies *Fossarus fenestratus* A. Adams, 1863; *Fossar* J. E. Gray, 1847, is an unjustified emendation of *Fossarus Philippi*, 1841. A. Adams' preoccupied species is now considered to be a synonym of *Vanikoro japonica* Pilsbry, 1895. — Current status: Deshayes' species remains a *taxon inquirendum*.

*problematicus*, *Sigaretus* – Deshayes, 1864-DescrCoqFoss: 90-91, 64, pl. 64, figs 7-9. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Type species (OD) of *Macromphalina* Cossmann, 1888. — Current status: *Macromphalus (Macromphalina) problematicus* (Deshayes, 1864) (Le Renard & Pacaud 1995: 96; Pacaud 2008: 56).

*undulata*, *Rissoa* – Deshayes, 1861-DescrCoqFoss: 402-403, 22, pl. 22, figs 32-34. — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Cymenorytis (Cymenorytis) undulata* (Deshayes, 1861) (Le Renard & Pacaud 1995: 96; Pacaud 2008: 56).

### Family EULIMIDAE Philippi, 1853

*Bonellia* – Deshayes, 1838-HistNatAnim2: 286-289; 1843-HistNatAnim3: 372, non Rolando, 1822 [Echiurida]. — Type locality: France. — Type age: Eocene. — Type species (OD): *Bulimus terebellatus* Lamarck, 1804. *Janella* Grateloup, 1838, has the same type species(M); *Ebion* Gistel, 1848, is an unnecessary replacement name for *Bonellia* Deshayes; *Bonnellia* Desmarest, 1858, is an incorrect subsequent spelling. — Current status: all are now regarded as synonyms of *Niso* Risso, 1826 (Warén 1984: 36, 51).

*Scalenostoma* – Deshayes, 1863: 58-60. — Type species (M): *S. carinatum* Deshayes, 1863. — Current status: valid genus of Eulimidae (Warén 1984: 65, 72, figs 164-165).

*aciculata*, *Eulima* – Deshayes, 1861-DescrCoqFoss: 22, pl. 22, figs 4-6; 1862-DescrCoqFoss: 541-542, non *Eulima aciculata* (I. Lea, 1833) [*Pasithea*]. — Type localities: Thiverval-Grignon, Parnes, Damery, Mouchy-le-Châtel & Chaussy. — Type age: Eocene (Lutetian). *Eulima deshayesi* Cossmann, 1888 (Cossmann 1888: 115-116), replacement name. — Current status: *Eulima (Subularia) deshayesi* (Cossmann, 1888) (Le Renard & Pacaud 1995: 92; Pacaud 2008: 59).

*acumen*, *Eulima* – Deshayes, 1862-DescrCoqFoss: 540, 27, pl. 27, figs 39-41. — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Polygireulima acumen* (Deshayes, 1862) (Le Renard & Pacaud 1995: 92; Pacaud 2008: 59).

*acuncula*, *Eulima* – Deshayes, 1862-DescrCoqFoss: 542, 27, pl. 27, figs 24-26. — Type localities: Hérouval, Mercin-et-Vaux, Cuise-la-Motte, Parnes, Mouchy-le-Châtel & Saint-Félix. — Type age: Eocene (Ypresian-Lutetian). — Current status: *Polygireulima acuncula* (Deshayes, 1862) (Le Renard & Pacaud 1995: 92; Pacaud 2008: 59).

*angusta*, *Niso* – Deshayes, 1862-DescrCoqFoss: 547, 36, pl. 36, figs 23-26. — Type localities: Parnes, Thiverval-Grignon, Fontenay-Saint-Père & Fleury-la-Rivière. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32547, syntype from Thiverval-Grignon. — Current status: *Niso angusta* Deshayes, 1862 (Le Renard & Pacaud 1995: 92; Pacaud 2008: 59).

*angystoma*, *Eulima* – Deshayes, 1862-DescrCoqFoss: 542-543, 27, pl. 27, figs 36-38. — Type localities: Parnes, Thiverval-Grignon & Chaussy. — Type age: Eocene (Lutetian). — Current status: *Rostreulima angystoma* (Deshayes, 1862) (Le Renard & Pacaud 1995: 92; Pacaud 2008: 59).

*arcuata*, *Eulima* – Deshayes, 1850-TraitElem: 47, pl. 75, figs 18-19 (no specific date), non C. B. Adams, 1850 (April). — Type locality: none given. — Type age: Recent? — Current status: *taxon inquirendum*.

*carinatum*, *Scalenostoma* – Deshayes, 1863: 58-60, pl. 7, figs 26-28. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-5645, syntype; MNHN-IM-2000-5697, 2 syntypes. — Current status: *Scalenostoma carinatum* Deshayes, 1863 (Severns 2011: 212, pl. 89, figs 1-3, 5; Hori & Matsuda, in Okutani 2017: 831-832, pl. 106, fig. 10; Boutet *et al.* 2020: 265).

*concinna*, *Eulima* – Deshayes, 1862-DescrCoqFoss: 541, 27, pl. 27, figs 48-50. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Rostreulima angystoma* [Deshayes, 1862] *concinna* (Deshayes, 1862) (Le Renard & Pacaud 1995: 92). *Rostreulima concinna* (Deshayes, 1862) (Pacaud 2008: 59).

*constricta*, *Niso* – Deshayes, 1862-DescrCoqFoss: 547-548, 27, pl. 27, figs 14-16. — Type localities: Cuise-la-Motte, Pierrefond, Aizy-Jouy, Laon & Hérouval. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32497, syntype from Laon. — Current status: *Niso constricta* Deshayes, 1862 (Le Renard & Pacaud 1995: 92).

*eburneus*, *Stylifer* – Deshayes, 1863: 57-58, pl. 7, fig. 25. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-5653, 2 syntypes. — Current status: synonym of *Echineulima mittrei* (Petit de la Suassaye, 1851), which is figured in Okutani (2017: 829, pl. 103, fig. 11, without synonymy) (MolluscaBase).

*eugenii*, *Scalaria* – Deshayes, 1861-DescrCoqFoss: 343-344, 11, pl. 11, figs 9-10. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32404, 3 syntypes. — Current status: *Graphis (Graphis) eugenii* (Deshayes, 1861) (Le Renard & Pacaud 1995: 94; Pacaud 2008: 59).

*fallax*, *Eulima* – Deshayes, 1862-DescrCoqFoss: 538, 27, pl. 27, figs 42-44. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Type species (OD) of *Margineulima* Cossmann, 1888 (Warén 1984: 50, 53, figs 118-119). — Current status: *Margineulima fallax* (Deshayes, 1862) (Le Renard & Pacaud 1995: 92; Pacaud 2008: 59).

*insolita*, *Rissoina* – Deshayes, 1863: 63-64, pl. 8, figs 15-16. — Type locality: La Réunion. — Type age: Recent. — Current status: synonym of *Pyramidelloides miranda* (A. Adams, 1861) [*Rissoina*], type species of *Pyramidelloides* G. Nevill, 1885 (Warén 1983: 289, 57-59, 62-63, 67).

*minutissima*, *Scalaria* – Deshayes, 1861-DescrCoqFoss: 344, 13, pl. 13, fig. 17. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32417, syntypes. Preoccupies *Scalaria minutissima* Gabb, 1873. — Current status: *Graphis (Graphis) minutissima* (Deshayes, 1861) (Le Renard & Pacaud 1995: 94; Pacaud 2008: 59).

*munda*, *Eulima* – Deshayes, 1862-DescrCoqFoss: 539, 27, pl. 27, figs 30-32. — Type localities: Verneuil & Le Guépelle. — Type age: Eocene (Bartonian). — Current status: *Rectilabrum mundum* (Deshayes, 1862) (Le Renard & Pacaud 1995: 92; Pacaud 2019: 107).

*nitidula*, *Eulima* – Deshayes, 1850-TraitElem: 47, pl. 75, figs 16-17, 20. — Type locality: none given. — Type age: Recent? Preoccupies *Eulima nitidula* A. Adams, 1854, which was replaced by *Eulima adamsii* G. B. Sowerby II, 1866. — Current status: Deshayes' species remains a *taxon inquirendum*.



*parisiensis*, *Eulima* – Deshayes, 1861-*DescrCoqFoss*: 22, pl. 22, figs 1-3; 1862-*DescrCoqFoss*: 539. — Type localities: Cuise-la-Motte & Hérouval. — Type age: Eocene (Ypresian). — Current status: *Margin-eulima parisiensis* (Deshayes, 1861) (Le Renard & Pacaud 1995: 92).

*pellucida*, *Agathina* – Deshayes, 1824-*DescrCoqFoss*: 65, 4, pl. 6, figs 17-18; 1837-*DescrCoqFoss*: 811, 813 [generic name intended to be *Achatina*]; 1838-*HistNatAnim2*: 313-314; 1843-*HistNatAnim3*: 381; 1863-*DescrCoqFoss*: 845, as *Achatina*. — Type locality: Parnes. — Type age: Eocene (Lutetian). Preoccupies *Achatina pellucida* L. Pfeiffer, 1840, now considered a synonym of *Blauneria heteroclitia* (Montagu, 1808) [*Voluta*] [Ellobiidae]. — Type species (OD) of *Semistylifer* Cossmann, 1921 (Warén 1984: 70, 72, figs 184-185). — Current status: *Semistylifer pellucidus* (Deshayes, 1824) (Le Renard & Pacaud 1995: 92; Pacaud 2008: 59).

*submarginata*, *Eulima* – Deshayes, 1862-*DescrCoqFoss*: 543-544, 27, pl. 27, figs 33-35. — Type localities: Thiverval-Grignon, Parnes, Chaussy, Mouchy-le-Châtel & Les Groux. — Type age: Eocene (Lutetian). — Current status: *Melanella (Melanella) submarginata* (Deshayes, 1862) (Le Renard & Pacaud 1995: 92).

*timida*, *Scalaria* – Deshayes, 1861-*DescrCoqFoss*: 344, 14, pl. 14, figs 4-6. — Type locality: Fontenay-Saint-Père. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32427, holotype. — Current status: *Graphis (Graphis) timida* (Deshayes, 1861) (Le Renard & Pacaud 1995: 94; Pacaud 2008: 59).

*turgidula*, *Eulima* – Deshayes, 1862-*DescrCoqFoss*: 540, 27, pl. 27, figs 45-47, *non Eulima turgidula* (A. Adams, 1861) [*Leiostraca*]. — Type localities: Thiverval-Grignon & Damery. — Type age: Eocene (Lutetian). Not a synonym of *Melania distorta* Defrance, 1823, as Cossmann (1904c: fiche 41; 1907: 216) thought. — Current status: *Eulitoma turgidula* (Deshayes, 1862) (Pacaud herein).



*distorta*, *Eulima* – Deshayes, 1825-*DescrCoqFoss*: 111, pl. 13, fig. 24-25; 1838-*HistNatAnim2*: 454-455 (*partim*); 1862-*DescrCoqFoss*: 543. This was based on *Melania distorta* Defrance (1823b: 468). Sherborn (1925: 1978) mistakenly termed the Defrance taxon as “Deshayes in Defrance”. Cossmann (1904a: 161) named Deshayes’ concept of this species as *Eulima erronea* (discussed by Le Renard & Pacaud 1995: 92), MNHN.F.J03485, holotype. Philippi (1836: 158, pl. 9, fig. 10; 1844” 135) also referred to the Defrance species, crediting it to Deshayes without mentioning Defrance. Philippi’s concept was named by Rayneval & Ponzi (1854: 17) as *Eulima philippi*. The original species is now *Melanella distorta* (Defrance, 1823).

*melanoides*, *Eulima* – Leymerie, 1841: 342, *nomen nudum*; 1842: 12, 30, pl. 16, fig. 6, *ex* Deshayes ms. — Type locality: Marolles-sous-Lignières. — Type age: Cretaceous (Hauterivian). — Current status: *Eulima melanoides* Leymerie, 1842 (Kollmann, 2005: 23).

#### Family COLOMBELLINIDAE P. Fischer, 1884



*monodactylus*, *Rostellaria* – Leymerie, 1841: 342, *nomen nudum*; 1842: 14, 31, pl. 17, fig. 15, *ex* Deshayes ms. — Type locality: Marolles-sous-Lignières. — Type age: Cretaceous (Hauterivian). 1853-*TraitElem*: 73, pl. 120, fig. 14, as *Conus*. The lectotype designation by Kollmann (2005) is invalid; the specimen in the Dupin collection, reported by d’Orbigny, was not a syntype. — Type species (SD Cossmann, 1901) of *Colombellina* d’Orbigny, 1843. — Current status: *Colombellina monodactylus* (Leymerie, 1842) (Kollmann 2005: 151-152, pl. 17, fig. 4).

#### Family CALYPTRAEIDAE Lamarck, 1809

*Ancilia* – Deshayes, 1830a-*EncyMeth*: 40-41, *ex* Meuchen ms. Not treated as a valid name and therefore unavailable. Not to be confused with *Ancilla* Lamarck, 1799 [Ancillariidae].

*auricularis*, *Calyptraea* – Deshayes, 1830a-*EncyMeth*: 176-177; 1836-*HistNatAnim2*: 639; 1843-*HistNatAnim3*: 235. — Type locality: none given. — Type age: Recent. — Current status: *taxon inquirendum*.

*australis*, *Calyptraea* – Deshayes in Guérin-Méneville, 1835: pl. 15, fig. 6, 6a; Deshayes in Guérin-Méneville 1844: 30; Guérin-Méneville & Deshayes 1868: pl. 14, fig. 6a, b. — Type locality: Australia. — Type age: Recent. Because Deshayes and Guérin-Méneville cooperated closely and because this species was credited just to Deshayes in the 1868 version, it is here credited to Deshayes, in Guérin-Méneville. — Current status: synonym of *Calyptraea calyptraeiformis* Lamarck, 1822 (herein), a species figured by Wilson (1993: 163, pl. 22, fig. 12a-b).

*calceolina*, *Crepidula* – Deshayes, 1830b-*EncyMeth*: 26. — Type localities: Mediterranean & India. — Type age: Recent & Vienna, Bordeaux & Touraine. — Type age: not stated. — Current status: synonym of the Mediterranean *Crepidula unguiformis* Lamarck, 1822 (Hoagland 1977: 388-389).

*calyptraeiformis*, *Crepidula* – Deshayes, 1830b-*EncyMeth*: 27-28; 1836-*HistNatAnim2*: 647-648; 1843-*HistNatAnim3*: 238-239. — Type locality: Peru?. — Type age: Recent. — Current status: the Panamic *Bostrycapulus calyptraeiformis* (Deshayes, 1830) (Collin 2005: particularly p. 94-95, fig. 1A; Paredes & Cardoso 2007: 183), which has been introduced into Hawaii and Guam.

*costata*, *Crepidula* – Deshayes, 1830b-*EncyMeth*: 26-27, *non* G. B. Sowerby I, 1824; Deshayes in Guérin-Méneville 1835: pl. 15, fig. 3, 3a; Deshayes in Guérin-Méneville 1844: 30; 1836-*HistNatAnim2*: 644-645; 1843-*HistNatAnim3*: 237; 1838-*RegAnim*: pl. 47, fig. 6; Guérin-Méneville & Deshayes 1868: [29], pl. 14, fig. 3, 3a. — Type locality: New Zealand. — Type age: Recent. — Type material: MNHN-IM-2000-29921, 3 syntypes. — Current status: synonym (and junior homonym) of *Maoricrypta costata* (G. B. Sowerby I, 1824) [*Crepidula*], type species (OD) of *Maoricrypta* Finlay, 1926 (Marshall 2003: 118-119, figs 1-2, 11, 25-26, 66).

*cuvieri*, *Calyptraea* – Deshayes, 1838-*RegAnim*: pl. 48, fig. 4, 4a. — Type locality: none given. — Type age: Recent. — Current status: *Crucibulum* but *taxon inquirendum*.

*depressa*, *Crepidula* – Deshayes, 1830b-*EncyMeth*: 26. — Type locality: Peru. — Type age: Recent. — Current status: synonym of the southern South American *Crepidula dilatata* Lamarck, 1822 (Hoagland 1977: 372-373).

*hepatica*, *Crepidula* – Deshayes, 1830b-*EncyMeth*: 26; 1836-*HistNatAnim2*: 646; 1843-*HistNatAnim3*: 238. — Type locality: none given. — Type age: Recent. — Current status: *nomen dubium* (Hoagland 1977: 395).

*labellata*, *Calyptraea* – Deshayes, 1861-*DescrCoqFoss*: 277-278, 9, pl. 9, figs 5-7. — Type locality: Ormoy-la-Rivière. — Type age: Oligocene (Rupelian). Kleispauwen, Belgium. — Current status: *Calyptraea labellata* Deshayes, 1861 (Lozouet & Maestrati 2012a: 286, 288, fig. 186: 10-12).

*laevigata*, *Calyptraea* – Deshayes, 1824-*DescrCoqFoss*: 31-32, 2, pl. 4, figs 8-10, 14-15 [figs 14-15 not listed in text], *non* Lamarck, 1822; 1837-*DescrCoqFoss*: 811 [correction made]; 1830a-*EncyMeth*: 172; 1836-*HistNatAnim2*: 629; 1843-*HistNatAnim3*: 232; 1861-*DescrCoqFoss*: 276, renamed *Calyptraea levis*, as *C. “laevigata”*

Deshayes, *non* Lamarck. — Type localities: Parnes, Mouchy-le-Châtel, La Chapelle-en-Serval, Tancrou & Valmondois. — Type age: Eocene (Lutetian-Bartonian). — Type material: UCBL-EM 32133, syntype from Mouchy-le-Châtel. — Current status: *Calyptraea* (*Sigapatella*) *levis* Deshayes, 1824 (Le Renard & Pacaud 1995: 97; Pacaud 2008: 50).

*lamarckii*, *Calyptraea* – Deshayes, 1830a-EncyMeth: 170-171; 1836-HistNatAnim2: 627-628; 1843-HistNatAnim3: 231; 1838-RegAnim: pl. 48, fig. 2, 2a, 2b [fig. 2a mislabeled in pl. expl. as “3”a]. — Type locality: Australia. — Type age: Recent. — Current status: unnecessary substitute name for *Calyptraea calyptraeformis* Lamarck, 1822 (Hedley 1913: 288-289), a species figured in Wilson (1993: 163, pl. 22, fig. 12a-b).

*lamellosa*, *Calyptraea* – Deshayes, 1824-DescrCoqFoss: 32, 2, pl. 4, figs 5-7; 1830a-EncyMeth: 172; 1836-HistNatAnim2: 629; 1843-HistNatAnim3: 232; 1861-DescrCoqFoss: 277. — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32132, syntypes from Parnes. — Current status: *Calyptraea* (*Sigapatella*) *lamellosa* Deshayes, 1824 (Le Renard & Pacaud 1995: 97; Pacaud 2008: 50; Courville *et al.* 2012: 64, pl. 5, fig. 1).

*lineolata*, *Crepidula* – Deshayes, 1830b-EncyMeth: 26; 1836-HistNatAnim2: 646; 1843-HistNatAnim3: 238. — Type locality: Southern Seas. — Type age: Recent. — Current status: possible synonym of the New Zealand *Maoricrypta costata* (G. B. Sowerby I, 1824) [*Crepidula*] (Hoagland 1977: 371).

*parisiensis*, *Crepidula* – Deshayes, 1830b-EncyMeth: 28; 1836-HistNatAnim2: 651-652; 1843-HistNatAnim3: 240. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). Preoccupies *Crepidula parisiensis* Cossmann, 1883, which was renamed *Crepidula bosqueti* O. Boettger, 1869. — Current status: synonym of *Turbocalyptraea crepidularis* (Lamarck, 1803) (Pacaud *herein*).

*patula*, *Crepidula* – Deshayes, 1830b-EncyMeth: 27; 1836-HistNatAnim2: 646-647; 1843-HistNatAnim3: 238. — Type locality: Tahiti, Mr. Lesson. — Type age: Recent. — Current status: synonym of the western South American *Crepidula dilatata* Lamarck, 1822 (Hoagland 1977: 372-373).

*peruviana*, *Calyptraea* – Deshayes, 1830a-EncyMeth: 170. — Type locality: Peru. — Type age: Recent. — Current status: synonym of *Calyptraea* (*Trochita*) *trochiformis* (Born, 1778) [*Turbo*] (Keen 1971: 456).

*radiata*, *Calyptraea* – Deshayes, 1830a-EncyMeth: 171; 1836-HistNatAnim2: 628; 1843-HistNatAnim3: 231. — Type locality: ?Dax. — Type age: Miocene. Preoccupies *Calyptraea radiata* Broderip, 1834. — Current status: both species are *taxa inquirenda*.

*radiola*, *Calyptraea* – Deshayes, 1830a-EncyMeth: 173-174; 1836-HistNatAnim2: 639; 1843-HistNatAnim3: 235. — Type locality: none given. — Type age: Recent. Based on images in Favanne de Montcervelle (1780: pl. 4, fig. B2 – 2 views). — Current status: synonym of *Crucibulum spinosum* (G. B. Sowerby I, 1824) (R. Willmann & S. Willmann 2009: 52-53, pl. 4, fig. B2-B3).

*rugosa*, *Calyptraea* – Deshayes, 1830a-EncyMeth: 173, *non* Borson, 1825; Deshayes in Guérin-Méneville 1835: pl. 15, fig. 8; 1836-HistNatAnim2: 637; 1843-HistNatAnim3: 235; Deshayes in Guérin-Méneville 1844: 30; Guérin-Méneville & Deshayes 1868: 30, pl. 14, fig. 8. — Type locality: [Païta], Peru. — Type age: Recent. Central America. — Current status: synonym of the eastern Pacific *Crucibulum* (*Crucibulum*) *scutellatum* (W. Wood, 1828) (Keen 1971: 463, attributing *rugosa* to Lesson, “1830”). Deshayes evidently published this species a year in advance of it appearing in Lesson (1831: 397-398), but it was already a junior homonym and a junior synonym.

*sandalina*, *Crepidula* – Deshayes, 1833b: 232, as “Def.[rance]”; 1835b: 133. Perhaps an incorrect subsequent spelling of *Crepidula sandaliformis* Serres, 1830. — Current status: both have been regarded as synonyms of *Crepidula unguiformis* (Lamarck, 1822) (Hoagland 1977: 388-389).

*squama*, *Calyptraea* – Deshayes, 1830b-EncyMeth: 176; Deshayes in Guérin-Méneville 1835: pl. 15, fig. 9, as *C. “squamula”*; 1836-HistNatAnim2: 631; 1843-HistNatAnim3: 232-233; 1850-TraitElem: 38, pl. 63, figs 8-9; Deshayes in Guérin-Méneville 1844: 30; Guérin-Méneville & Deshayes 1868: 30, pl. 14, fig. 9, as *C. “squamula”*. — Type locality: Mediterranean. — Type age: Recent. — Current status: presumably a synonym of *Calyptraea chinensis* (Linnaeus, 1758) [*Patella*], the type species of *Calyptraea* Lamarck, 1799. However, there is growing evidence that there may be more than one species of this genus present in the eastern Atlantic (P. Bouchet *pers. comm.*, April 2020). Preoccupies *Calyptraea squama* Broderip, 1834, which is now listed as a synonym of *Crepidula striolata* Menke, 1851.

*squamula*, *Calyptraea* – see entry above.

*umbrella*, *Calyptraea* – Deshayes, 1830a-EncyMeth: 173; 1836-HistNatAnim2: 635; 1843-HistNatAnim3: 234. No locality indicated. — Type age: Recent. — Type locality: Central America. — Current status: The eastern Pacific *Crucibulum* (*Crucibulum*) *umbrella* (Deshayes, 1830) (Keen 1971: 465).

*peruviana*, *Crepidula* – “Deshayes, 1836”. Listed in Hoagland (1977: 372) as a synonym of *Crepidula dilatata* Lamarck, 1822, and as being on p. 49 of vol. 7 of the Deshayes edition of Lamarck. However, it is not there, that page being devoted to mytilid bivalves. She also noted that the types were in Geneva. Both probably errors for *Crepidula peruviana* Lamarck, 1822.

#### Family CYPRAEIDAE Rafinesque, 1815

*angystoma*, *Cypraea* – Deshayes, 1835-DescrCoqFoss: 723, 49, pl. 95, figs 39-40; 1844-HistNatAnim2: 576. 1865-DescrCoqFoss: 562. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32370, syntype. — Current status: *Bernaya angystoma* (Deshayes, 1835) (Le Renard & Pacaud 1995: 112; Pacaud 2008: 50; Pacaud & Robert 2016: 59, fig. 4).

*antiqua*, *Cypraea* – Deshayes, 1858: 554, *non* Lamarck, 1810, *nomen nudum*. This is likely the species he later described as *Cypraea prisca* Deshayes, 1865 (see below).

*brocchii*, *Cypraea* – Deshayes, 1844-HistNatAnim2: 575-576. — Type localities: Dax, Superga, Turin & Plaisantin. — Type age: Miocene (Burdigalian). — Type material: MCSNM i4647, lectotype; MNHN.FA71191, paralectotype. New species based on *Cypraea annulus* Linnaeus, *sensu* Brocchi, 1814, and *sensu* Basterot, 1825, *non* Linnaeus, 1758. Spelling of species name can be corrected to “*brocchii*” because it is internally evident that Deshayes intended to name this species for Brocchi (ICZN Code Art. 32.5; Schilder 1922: 104). — Type species (OD) of *Prozonarina* Schilder, 1941. Dolin & Lozouet (2004) asserted that Schilder had misidentified the type species of this genus and “corrected” it to be *Cypraea expansa* Grateloup, 1946. However, Pacaud (2019: 130) considered their views to be incorrect and that the type species should stand as Schilder (1941) had it. — Current status: *Prozonarina brocchii* (Deshayes, 1844) (Pacaud 2019: 130).

*brocchii*, *Cypraea* – see above.



*exerta*, *Cypraea* – Deshayes, 1835-*DescrCoqFoss*: 725, 49, pl. 94 bis, figs 35-37; 1844-*HistNatAnim2*: 576-577; 1865-*DescrCoqFoss*: 563. — Type locality: Rethueil. — Type age: Eocene (Ypresian). — Current status: *Archicypraea exerta* (Deshayes, 1835) (Le Renard & Pacaud 1995: 112; Dolin & Pacaud 2009: 281).

*interposita*, *Cypraea* – Deshayes, 1865-*DescrCoqFoss*: 565, 105, pl. 105, figs 13-16. — Type localities: Cuise-la-Motte & Laon. — Type age: Eocene (Ypresian). *Cypraedia* (*Eucypraedia*) *interposita* (Deshayes, 1865) (Le Renard & Pacaud 1995: 112). — Current status: *Cypraedia* (*Protocypraedia*) *interposita* (Deshayes, 1865) (Dolin & Pacaud 2009: 295, pl. 8, figs 6-9).

*levesquei*, *Cypraea* – Deshayes, 1835-*DescrCoqFoss*: 722-723, 49, pl. 94 bis, figs 33-34; 1844-*HistNatAnim2*: 577; 1865-*DescrCoqFoss*: 562. — Type localities: Rethueil & Soissonnais. — Type age: Eocene (Ypresian). — Type material: MNHN.F.B63308, syntype. — Current status: *Sphaerocypraea levesquei* (Deshayes, 1835) (Le Renard & Pacaud 1995: 113; Pacaud & Robert 2016: 59, fig. 3; Pacaud 2018c: 48, pl. C, figs 4-6).

*media*, *Cypraea* – Deshayes, 1835-*DescrCoqFoss*: 723-724, 49, pl. 95, figs 37-38; 1844-*HistNatAnim2*: 577-578; 1865-*DescrCoqFoss*: 561-562, 106, pl. 106, figs 2-3. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32369, holotype; MNHN.F.A24291, plastotype. — Type species (SD Jousseume, 1884) of *Bernaya* Jousseume, 1884. — Current status: *Bernaya media* (Deshayes, 1835) (Pacaud & Robert 2016: 59, fig. 5; Pacaud 2018a: 53, figs 4-6).

*menkeana*, *Cypraea* [sic] – Deshayes, 1863: 139-140, pl. 13, figs 21-22. — Type locality: La Réunion; Maillard coll. — Type age: Recent. Cate (1967) believed he recognized this species in Mauritius. — Current status: *Bistolida owenii* [J. E. Gray, in G. B. Sowerby I, 1832] *menkeana* (Deshayes, 1863) (Lorenz & Chiapponi 2005: figs 3 [incl. holotype], 5-6, pl. 3).

*obesa*, *Cypraea* – Deshayes, 1865-*DescrCoqFoss*: 561, 105, pl. 105, figs 11-12. — Type locality: Auvers-sur-Oise. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32824, holotype; MNHN.F.A24290, plastotype. — Current status: *Bernaya obesa* (Deshayes, 1865) (Pacaud 2018a: 57, figs 7-8).

*prisca*, *Cypraea* – Deshayes, 1865-*DescrCoqFoss*: 563-564, 105, pl. 105, figs 7-8. Not preoccupied by the Cretaceous “*Cypraea prisca*” Brinkhorst, 1861 (Brinkhorst 1861: 71-72, pl. 5a2, fig. 14a-b), as suggested by Schilder (1922: 109), because this species was actually described in *Oliva*, with Brinkhorst, and later others, only suggesting that it might instead be a *Cypraea*. No such reassignment has taken place. — Type locality: Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Current status: *Archicypraea prisca* (Deshayes, 1865) (Le Renard & Pacaud 1995: 112; Dolin & Pacaud 2009: 280; Leroy *et al.* 2014: 24, pl. 25, figs 5-10).

*sophia*, *Cypraea* – Deshayes, 1865-*DescrCoqFoss*: 564, 106, pl. 106, figs 4-5, *ex* Bernay ms. — Type locality: Chaussy. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 30505, syntype; MNHN.F.A24292, plastotype. — Current status: *Eucypraedia sophia* (Deshayes, 1865) (Pacaud 2008: 51, as “Bernay in Deshayes”), now *Eucypraedia* (*Pacaudia*) *sophia* (Deshayes, 1865) (Pacaud *herein*).

*vittata*, *Cypraea* – Deshayes, 1823-*DictClass*: pl. [83], fig. 1a-b; 1828-*DictClass14*: 219; 1831-*DictClass17*: 120. — Type locality: none given. — Type age: Recent. — Current status: synonym of *Cypraea ziczac* Linnaeus, 1758 (Wilson 1993: 189, pl. 33, fig. 18).

*bellardii*, *Ovula* – Bellardi, 1852: 217, pl. 3, fig. 1, pl. 4, fig. 1, *ex* Deshayes ms. In spite of the awkwardness of having named a species for himself, there is no indication in the introduction or with this

description that Deshayes had any role in preparing and publishing it, other than perhaps to have suggested the name (ICZN *Code Art.* 50.1.1). Indeed, two years before this publication, Bellardi (1850: 682) had listed it as a *nomen nudum* and as “Desh., mss” and as “*bellardii*”). MHN Nice PAL55877, holotype – Resin copy: MNHN.F.R64601. — Current status: *Vicetia bellardii* (Bellardi, 1852) (Pacaud 2019: 128-129, pl. 3, fig. 1, pl. 4, figs 1-2, as “Deshayes in Bellardi”).

#### Family ERATOIDAE Gill, 1871

*ampulla*, *Marginella* – Deshayes, 1835-*DescrCoqFoss*: 711, 49, pl. 95, figs 17-19; 1865-*DescrCoqFoss*: 556, as *Erato*. — Type locality: Valmondois. — Type age: Eocene (Bartonian). 1844-*HistNatAnim2*: 457. — Current status: *Hespererato ampulla* (Deshayes, 1835) (Le Renard & Pacaud 1995: 113).

*wateleti*, *Erato* – Deshayes, 1865-*DescrCoqFoss*: 557, 106, pl. 106, figs 6-8. — Type locality: Aizy-Jouy [Mercin-et-Vaux was an error]. — Type age: Eocene (Ypresian). — Type material: MNHN.F.A27136, holotype. — Current status: synonym of *Eratotrivia prestwichii* (E. E. Edwards, 1854) [*Cypraea*] (Le Renard & Pacaud 1995: 113).

#### Family OVULIDAE J. Fleming, 1822

*Syninia* – Deshayes, 1844-*HistNatAnim2*: 474. Subsequent incorrect spelling of *Simnia* Risso, 1826.

*borbonica*, *Ovula* – Deshayes, 1863: 136-137, pl. 13, figs 18-20. — Type locality: La Réunion. — Type age: Recent. — Current status: *nomen dubium* (Lorenz & Fehse 2009: 67).

*elegantissima*, *Pedicularia* – Deshayes, 1863: 50-51, pl. 6, figs 23-26. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-3541, 2 syntypes. — Current status: *Pedicularia elegantissima* Deshayes, 1863 (Lorenz & Fehse 2009: 138, pls. 195-196).

*eugenii*, *Ovula* – Deshayes, 1865-*DescrCoqFoss*: 571, 105, pl. 105, figs 5-6. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Current status: *Transovula eugenii* (Deshayes, 1865) (Le Renard & Pacaud 1995: 112; Pacaud 2008: 51).

*lamarckii*, *Cypraea* – Deshayes, 1835-*DescrCoqFoss*: 727, 50, pl. 97, figs 9-10, *non* J. E. Gray, 1825. — Type localities: Thiverval-Grignon, Valmondois & Tancrou. — Type age: Eocene (Bartonian). A new species based in part on *Cypraea pediculus* Linnaeus, 1758, of Lamarck, 1803. Deshayes species name, being a junior primary homonym, was renamed *Cypraea pedicularis* Deshayes, 1844 (see below). Pacaud (2020d: pl. 1) chose as lectotype of this species one of Lamarck’s specimens (MNHN.F.A69376); MNHN.F.A80103, A80104, A80105, paralectotypes, from an unknown locality, probably Valmondois or Auvers-sur-Oise.

*pedicularis*, *Cypraea* – Deshayes, 1844-*HistNatAnim2*: 578-579, replacement name for *Cypraea lamarckii* Deshayes, 1835, *non* J. E. Gray, 1825 (see above); 1865-*DescrCoqFoss*: 566. The type species (OD) of *Eotrivia* Schilder, 1924, is *Cypraea* (*Trivia*) *bouryi* Cossmann, 1889, a junior synonym of *Eotrivia pedicularis* (Deshayes, 1844). — Current status: *Eotrivia pedicularis* (Deshayes, 1844) (Schilder 1922: 100, 111; Le Renard & Pacaud 1995: 112; Pacaud 2008: 51; Pacaud 2020d: 14).

*rostralina*, *Ovula* – Deshayes, 1865-*DescrCoqFoss*: 572, 105, pl. 105, figs 9-10. — Type locality: Caumont. — Type age: Eocene (Bartonian). — Current status: *Simnia* (*Neosimnia*) *rostralina* (Deshayes, 1865) (Le Renard & Pacaud 1995: 112).

*tortilis*, *Ovula* – Deshayes, 1844-HistNatAnim: 468, ex Martyn ms. Unavailable, in the synonymy of *Ovula angulosa* Lamarck, 1822, a species now in turn placed in the synonymy of the Recent Indo-Pacific *Ovula costellata* Lamarck, 1810.

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*acuminata*, *Ovula* – Deshayes, 1865-DescrCoqFoss: 570-571, 105, pl. 105, figs 2-4. Made available by Melleville (1843: 119-120 [74, 88], pl. 10, figs 14-15), as *Cypraea acuminata*. — Type locality: Mons-en-Laonnois. — Type age: Eocene (Ypresian). — Current status: *Transovula acuminata* (Melleville, 1843) (Le Renard & Pacaud 1995: 112; Pacaud 2008: 51).

*tuberculosa*, *Ovula* – Deshayes, 1827-DictClass12: 545. First made available as *Ovula tuberculosa* Duclos, 1825 (Pacaud & Canevet 2019: 62, pl. 2, figs 1-3; Pacaud 2020b: 39).

#### Family TRIVIIDAE Troschel, 1863

*crenata*, *Cypraea* – Deshayes, 1835-DescrCoqFoss: 728, 48, pl. 94 bis, figs 30-32, non Röding, 1798; 1844-HistNatAnim2: 578. 1865-DescrCoqFoss: 556, as *Erato*. — Type locality: Le Vivray. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32368, possible syntypes. — Type species (OD) of *Eratotrivia* Sacco, 1894. *Eratopsis crenularis* Oppenheim, 1901 (Oppenheim 1901: 236), incorrect subsequent spelling. — Current status: *Eratotrivia crenularis* Schilder, 1927 (Schilder 1927: 60, 122) used this spelling as a replacement name (Le Renard & Pacaud 1995: 113; Pacaud 2008: 57).

#### Family VELUTINIDAE J. E. Gray, 1840

*berghi*, *Marsenia* – Deshayes, 1863: 77-78, pl. 9, figs 18-20. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-3526, 2 syntypes. — Current status: *Lamellaria berghi* (Deshayes, 1863) (Drivas & Jay 1988: 66-67, pl. 18, fig. 7).

*mulleri*, *Velutina* – Deshayes, 1839d: 361; 1841: 2, pl. 28. — Type locality: Kamchatka; Mr. Chiron. — Type age: Recent. — Current status: *taxon inquirendum*.

#### Family FICIDAE Meek, 1864 [1840]

Ficulidae – Deshayes, 1865-DescrCoqFoss: 427. Incorrect subsequent spelling of Ficulidae P. P. Carpenter, 1857, a synonym of Ficidae Meek, 1864.

*distans*, *Ficula* – Deshayes, 1864-DescrCoqFoss: 83, pl. 83, fig. 9; 1865-DescrCoqFoss: 433. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32751, holotype. — Current status: *nomen dubium*.

*fragilis*, *Ficula* – Deshayes, 1864-DescrCoqFoss: 83, pl. 83, figs 5-8; 1865-DescrCoqFoss: 434. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Current status: *Ficus (Ficopsis) fragilis* (Deshayes, 1864) (Le Renard & Pacaud 1995: 113; Pacaud 2008: 51).

*pannus*, *Ficula* – Deshayes, 1864-DescrCoqFoss: 83, pl. 83, figs 1-4; 1865-DescrCoqFoss: 432-433. — Type localities: Auvers-sur-Oise, Le Fayel, Le Guépelle & Ver-sur-Launette. — Type age: Eocene (Bartonian). — Current status: *Ficus (Ficopsis) pannus* (Deshayes, 1864) (Le Renard & Pacaud 1995: 113).

*pellucidus*, *Ficus* – Deshayes, 1856d: 184-185, pl. 6, figs 1-2. — Type locality: none given. — Type age: Recent. — Type material:

MNHN-IM-2000-4159, holotype. — Current status: the western Atlantic *Ficus pellucida* Deshayes, 1856 (D. Lamy & Pointier 2018: 176; Verhaeghe & Poppe 2000: 20, pl. 5, figs 1-4, pls. 19-20).

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*tricastata*, *Pyrrula* – Deshayes, 1835-DescrCoqFoss: 584, 41, pl. 79, figs 10-11; 1843-HistNatAnim2: 527-527; 1843-HistNatAnim3: 688; 1858: 553, 554; 1865-DescrCoqFoss: 433-434, as *Ficula*. — Type localities: Retheuil & Cuise-la-Motte. — Type age: Eocene (Ypresian). *Ficus (Ficopsis) tricostatus* (Deshayes, 1835) (Le Renard & Pacaud 1995: 113).

#### Family STROMBIDAE Rafinesque, 1815

*mercati*, *Strombus* – Deshayes, 1833b: 232, “pl. 1, figs 5-6”, *nomen nudum*; 1835b: 192-193, pl. 25, figs 5-6; 1843-HistNatAnim2: 723-724; 1843-HistNatAnim3: 756. — Type localities: Peloponnese Peninsula, Greece. — Type age: Subapennine Formation, Pliocene; also Italy & Faluns de Touraine, age not stated. — Current status: possible synonym of *Thetystrombus coronatus* (Defrance, 1827) [*Strombus*], a name protected from an unused senior homonym under ICZN Code Art. 23.9.1 (Harzhauser & Kronenberg 2008, but not mentioning the Deshayes synonym).

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*novemdactylis*, *Pterocera* – Deshayes, 1843-HistNatAnim2: 678-679; 1843-HistNatAnim3: 740. — Type locality: none given. — Type age: Recent. — Current status: synonym of the Indo-Pacific *Ophioglossolambis digitata* (Perry, 1811) [*Strombus*] (Abbott 1961: 163-164, pl. 121, fig. 3, pl. 129, fig. 2, as *Lambis*).

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*chemnitzii*, *Strombus* – Deshayes, 1843-HistNatAnim2: 716. This was listed by Sherborn (1925: 1221) as a Deshayes name. However, it was first made available by L. Pfeiffer, 1840, as Deshayes indicated. Pfeiffer's name is now considered to be a synonym of *Euprotomus vomer* (Röding, 1798) [*Lambis*].

*multipes*, *Pterocera* – Deshayes, 1843-HistNatAnim2: 677, ex Chemnitz ms. Sherborn (1928: 4190) listed this as a Deshayes species, but it was first made available by G. B. Sowerby II, 1842. It is a synonym of *Ophioglossolambis violacea* (Swainson, 1821) [*Pterocera*].

*novaezelandiae*, *Strombus* – Deshayes, 1843-HistNatAnim2: 715-716, ex Chemnitz ms. This was listed by Sherborn (1928: 4425) as being a Deshayes species, but it was first made available by Reeve (1842) and is now regarded as being a synonym of *Euprotomus vomer* (Röding, 1798) [*Lambis*].

#### Family APORRHAIIDAE J. E. Gray, 1850

Chenopidae – Deshayes, 1865: 436-444. Synonym of Aporrhaidae J. E. Gray, 1850.

*analogus*, *Chenopus* – Deshayes, 1858: 554, *nomen nudum*, as *Rostellaria analogus*; 1865-DescrCoqFoss: 444, 89, pl. 89, figs 2-4. — Type localities: Abbecourt, Jonchery-sur-Vesle & Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32783, syntype from Jonchery-sur-Vesle. *Aporrhais analogus* (Deshayes, 1865) (Le Renard & Pacaud 1995: 111). — Current status: *Aporrhais (Aporrhais) analogus* (Deshayes, 1865) (Leroy et al. 2014: 25, pl. 22, figs 1-5).

*dispar*, *Chenopus* – Deshayes, 1865-DescrCoqFoss: 443-444, 89, pl. 89, figs 5-6. — Type locality: Vaux-sous-Laon. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32785, holotype. — Current status: *Aporrhais dispar* (Deshayes, 1865) (Le Renard & Pacaud 1995: 111).



*gracilidigitata*, *Rostellaria* – Deshayes, 1865-*DescrCoqFoss*: 456-457, 92, pl. 92, figs 10-11. — Type localities: Acy-en-Multien & Caumont. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32791 from Acy-en-Multien & UCBL-EM 32792 from Caumont, syntypes. *Dientomochilus* (*Digitolabrum*) *gracilidigitatus* (Deshayes, 1865) (Le Renard & Pacaud 1995: 111). — Current status: *Digitolabrum gracilidigitatus* (Deshayes, 1865) (Pacaud et al. 2011: 38, pl. 4, fig. 3-8).

*heberti*, *Chenopus* – Deshayes, 1865-*DescrCoqFoss*: 441-442, 92, pl. 92, fig. 2. — Type locality: La Fère. — Type age: Paleocene (Thanetian). — Type material: MNHN.F.J03353, holotype. — Current status: *Aporrhais heberti* (Deshayes, 1865) (Le Renard & Pacaud 1995: 111).

*bicarinata*, *Rostellaria* – Leymerie, 1841: 320, *nomen nudum*; 1842: 14, 31, pl. 17, fig. 14a-b, ex Deshayes ms. — Type locality: Courtaault. — Type age: Cretaceous (Albian). Synonym of *Ceratosiphon retusus* (J. de C. Sowerby in Fitton, 1836) (Kollmann 2005: 132). — Current status: *Tessarolax retusa* (J. de C. Sowerby in Fitton, 1836) (Saul & Squires 2015: 42).

#### Family ROSTELLARIIDAE Gabb, 1868

*baylei*, *Rostellaria* – Deshayes, 1865-*DescrCoqFoss*: 452-453. — Type localities: Chaumont-en-Vexin & Gisors; Barton-on-Sea, England. — Type age: Eocene (Lutetian). *Tibia* (*Hippochrenes*) *baylei* (Deshayes, 1865) (Le Renard & Pacaud 1995: 112). The specimen from Barton-on-Sea is not *Rostellaria baylei*; it is *Hippochrenes ampla* (Solander, in Brander, 1766) (Pacaud & Lebrun 2016: 32). — Current status: *Hippochrenes baylei* (Deshayes, 1865) (Pacaud 2008: 55; Pacaud & Goret 2012: 74, 79, pl. 2, fig. 4).

*bidentata*, *Rostellaria* – Deshayes, 1843-*HistNatAnim2*: 668; 1843-*HistNatAnim3*: 737-738. — Type localities: Dax & Bordeaux. — Type age: Miocene (Burdigalian). — Type material: MNHN.F.A70769, A70770, syntypes. Synonym of *Tibia dentata* (Grateloup, 1827) [*Rostellaria*]. Name also based on *Rostellaria curvirostris* Lamarck, *sensu* Basterot, 1825, *non* Lamarck, 1822. — Current status: *Tibia dentata* (Grateloup, 1827) (Lozouet et al. 2001: 38).

*cailliaudi*, *Rostellaria* – Deshayes, 1865-*DescrCoqFoss*: 91, pl. 91, fig. 3 [not in text]. — Type locality: none given. — Type age: Eocene (Bartonian). — Current status: synonym of *Amplogladius athleta* (d'Orbigny, 1850) (Pacaud 2007: 42).

*callosus*, *Strombus* – Deshayes, 1835-*DescrCoqFoss*: 627-628, 44, pl. 84, figs 7-8; 1843-*HistNatAnim2*: 723; 1843-*HistNatAnim3*: 756; 1865-*DescrCoqFoss*: 455-456, as *Rostellaria callosa*. — Type locality: Abbecourt. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32352 & 32353, 2 syntypes. — Current status: *Wateletia callosa* (Deshayes, 1835) (Pacaud 1994a: 46, fig. 7-12; Le Renard & Pacaud 1995: 112, both as subgenus of *Tibia*).

*crassilabrum*, *Rostellaria* – Deshayes, 1835-*DescrCoqFoss*: 624, 44, pl. 84, figs 2-4; 1843-*HistNatAnim2*: 665; 1843-*HistNatAnim3*: 735-736, the latter two references as a synonym of *Rostellaria labrosa* G. B. Sowerby I, 1823. — Type locality: Monneville. — Type age: Eocene (Bartonian). — Current status: synonym of *Rimella labrosa* (G. B. Sowerby I, 1823) (Pacaud & Pons 2015b: 99, pl. 2, figs 3-7).

*dewalquei*, *Rostellaria* – Deshayes, 1865-*DescrCoqFoss*: 451-452, 88, pl. 88, fig. 18, 89, pl. 89, fig. 10. — Type localities: Cuise-la-Motte, Mercin-et-Vaux, Lavarsine, Retheuil, Laon, Cuisy-en-Almont & Aizy-Jouy. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32786, syntype from Cuise-la-Motte. *Tibia*

(*Hippochrenes*) *dewalquei* (Deshayes, 1865) (Le Renard & Pacaud 1995: 112). — Current status: *Hippochrenes dewalquei* (Deshayes, 1865) (Pacaud & Goret 2012: 74, 79, pl. 2, fig. 3).

*humerosa*, *Rostellaria* – Deshayes, 1865-*DescrCoqFoss*: 464, 91, pl. 91, figs 8-9. — Type locality: Cœuvres-et-Valsery. — Type age: Eocene (Ypresian). — Current status: *Cyclomolops humerosus* (Deshayes, 1865) (Le Renard & Pacaud 1995: 112).

*incrassata*, *Rostellaria* – Deshayes, 1865-*DescrCoqFoss*: 452, 90, pl. 90, figs 2-4. — Type locality: Mons-en-Laonnois. — Type age: Eocene (Ypresian). *Tibia* (*Hippochrenes*) *incrassata* (Deshayes, 1865) (Le Renard & Pacaud 1995: 112). — Current status: *Hippochrenes incrassata* (Deshayes, 1865) (Pacaud & Goret 2012: 74, 79, pl. 2, fig. 3).

*interrupta*, *Rostellaria* – Deshayes, 1865-*DescrCoqFoss*: 459, 92, pl. 92, figs 8-9. — Type localities: Cuise-la-Motte, Sermoise & Cœuvres-et-Valsery. — Type age: Eocene (Ypresian). — Current status: *Strombolaria? interrupta* (Deshayes, 1865) (Le Renard & Pacaud 1995: 112).

*marceauxi*, *Rostellaria* – Deshayes, 1858: 554, *nomen nudum*. 1865-*DescrCoqFoss*: 462-463, 88, pl. 88, figs 16-17. — Type localities: Gueux & Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Type species (OD) of *Semiterebellum* Cossmann, 1889. *Tibia* (*Semiterebellum*) *marceauxi* (Deshayes, 1865) (Le Renard & Pacaud 1995: 112). — Current status: *Semiterebellum marceauxi* (Deshayes, 1865) (Pacaud & Leroy 2006: 633, pl. 1, figs 8-10).

*mirabilis*, *Rostellaria* – Deshayes, 1865-*DescrCoqFoss*: 457, 89, pl. 89, figs 7-9. — Type locality: Saint-Gobain. — Type age: Eocene (Ypresian). *Tibia* (*Chedevillia*) *mirabilis* (Deshayes, 1865) (Le Renard & Pacaud 1995: 112). — Current status: *Chedevilla mirabilis* (Deshayes, 1865) (Pacaud 2019: 132-133, text-fig. 2: 2-3).

*murchisoni*, *Rostellaria* – Deshayes, 1865-*DescrCoqFoss*: 453-454, 92, pl. 92, figs 1-2. — Type localities: Damery & Fleury-la-Rivière. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32790, syntype from Damery. *Tibia* (*Hippochrenes*) *murchisoni* (Deshayes, 1865) (Le Renard & Pacaud 1995: 112). — Current status: *Hippochrenes murchisoni* (Deshayes, 1865) (Pacaud 2008: 55; Courville et al. 2012: 64, pl. 5, fig. 8; Pacaud & Goret 2012: 74, 77, pl. 1, fig. 4).

*ornatus*, *Strombus* – Deshayes, 1835-*DescrCoqFoss*: 628-629, 44, pl. 85, figs 3-5; 1843-*HistNatAnim2*: 722-723; 1843-*HistNatAnim3*: 755-756. — Type localities: Thiverval-Grignon, Mouchy-le-Châtel & Ully-Saint-Georges. — Type age: Eocene (Lutetian). — Type species (OD) of *Dientomochilus* Cossmann, 1904. — Current status: *Dientomochilus* (*Dientomochilus*) *bartonensis* [J. Sowerby, 1813] *ornatus* (Deshayes, 1865) (Le Renard & Pacaud 1995: 111; Pacaud 2008: 55; Tréguier & Pacaud 2018: 209).

*sublaevigata*, *Rostellaria* – Deshayes, 1865-*DescrCoqFoss*: 460, 90, pl. 90, figs 5-6, ex d'Orbigny ms. Replacement name for *Rostellaria laevigata* Melleville, 1843 (Melleville 1843: 117 [71-72, 88], pl. 10, figs 10-11), *non* *Rostellaria laevigata* J. de C. Sowerby, 1832. — Type locality: Laon. — Type age: Eocene (Ypresian). Not only did Deshayes regard himself as the author of the species made available by Melleville, but he got confused and credited this replacement name to d'Orbigny, perhaps having mixed it up with *Fusus sublaevigatus* d'Orbigny, 1850b (d'Orbigny 1850b: 362, no. 480), a replacement name for one of two Lamarckian species that d'Orbigny placed in *Fusus*. — Type species (M) of *Cyclomolops* Gabb, 1868 – Current status: *Cyclomolops sublaevigatus* (Deshayes, 1865) (Le Renard & Pacaud 1995: 112).

*turgida*, *Rostellaria* – Deshayes, 1865-*DescrCoqFoss*: 463, 92, pl. 92, figs 12-13. — Type locality: Cœuvres-et-Valsery. — Type age: Eocene (Ypresian). *Tibia* (*Amplogladius*) *turgida* (Deshayes, 1865) (Le Renard & Pacaud 1995: 112).

## Family SERAPHSIDAE J. E. Gray, 1853

*Diameza* – Deshayes, 1865-*DescrCoqFoss*: 572. — Type species (M): *Ovula media* Deshayes, 1844, synonym of *Ovula fragilis* Defrance, 1825. — Current status: valid genus.

*intermedia*, *Ovula* – Deshayes, 1835-*DescrCoqFoss*: 718, 49, pl. 95, figs 34-36, non *Ovulum intermedium* G. B. Sowerby I, 1828. — Type localities: Thiverval-Grignon & Beynes. — Type age: Eocene (Lutetian). Renamed *Ovula media* Deshayes, 1844; see below.

*isabella*, *Terebellum* – Deshayes, 1865-*DescrCoqFoss*: 471-472, 92, pl. 92, figs 14-19, ex Bernay ms. — Type localities: Chaussy & Parnes. — Type age: Eocene (Lutetian). — Type material: an earlier lectotype by Jung lost; MNHN.F.A28935, neotype (Case *et al.* 2010). *Miniseraphis isabella* (Deshayes, 1865) (Le Renard 1992: 6; Le Renard & Pacaud 1995: 112, as subgenus of *Seraphis*; Pacaud 2008: 55). *Diameza (Miniseraphis) isabella* (Deshayes, 1865) (Caze *et al.* 2010: 450, fig. 20K-O; 23 showing residual colour patterns). — Current status: *Miniseraphis isabella* (Deshayes, 1865) (J. J. Maxwell *et al.* 2021: 422, fig. 6C, as “Bernay in Deshayes”).

*media*, *Ovula* – Deshayes, 1844-*HistNatAnim2*: 479-480; 1865-*DescrCoqFoss*: 572. Replacement name for *Ovula intermedia* Deshayes, 1835, non *Ovulum intermedium* G. B. Sowerby I, 1828. Replacement name unnecessary because it is a subjective synonym of *Diameza fragilis* (Defrance, 1825) [*Ovula*] (Pacaud herein). Concerning this genus and species (S. J. Maxwell *et al.* 2021: 420-421, fig. 6A). — Current status: *Diameza fragilis* (Defrance, 1825).

## Family TONNIDAE Suter, 1913 [1825]

*costatum*, *Dolium* – Deshayes, 1844-*HistNatAnim2*: 144-145, non Menke, 1828. — Type locality: none given. — Type age: Recent. — Current status: both *Dolium costatum* Menke, 1828, and *D. costatum* Deshayes, 1844, are regarded as synonyms of the Indian Ocean *Tonna allium* (Dillwyn, 1817) [*Buccinum*] (C. Vos pers. comm. to P. Bouchet, May 17, 2020).

*denticulatum*, *Dolium* – Deshayes, 1833b: 232, “pl. 1, figs 1-2”, *nomen nudum*; 1835b: 194, pl. 25, figs 1-2. — Type locality: Peloponnese Peninsula, Greece. — Type age: Subapennine Formation, Pliocene; also Italy, no age stated. 1844-*HistNatAnim2*: 147. 1853-*TraitElem*: 70, pl. 117, fig. 8. Unnecessarily replaced by *Dolium subdenticulatum* d’Orbigny, 1852 (p. 177, no. 237), perhaps having been confused by *Dolium denticulatum* Quoy & Gaimard, 1835, a tunicate. — Current status: synonym of *Malea orbiculata* (Brocchi, 1814) [*Buccinum*] (Landau *et al.* 2004: 39-40, pl. 1, fig. 2).

*minjac*, *Dolium* – Deshayes, 1844-*HistNatAnim2*: 141, 145-146. — Type localities: Senegal, ?India, ?Île de France. — Type age: Recent. — Current status: synonym of *Tonna tessellata* (Lamarck, 1816) [*Dolium*] (Vos 2007: 47; Vos 2013: 31, pl. 4, fig. 4a-b).

## Family BURSIDAE Thiele, 1925

*lamarckii*, *Ranella* – see following entry.

*lamarckii*, *Ranella* – Deshayes, 1853-*TraitElem*: 67, pl. 112, figs 1-2. — Type locality: none given. — Type age: Recent. — Type material: NHMUK 1995224.1, neotype (Beu, 1998: 155), the specimen figured by Reeve (1844b: pl. 5, fig. 23a) from “Island of Capul, Philippines”. However, MNHN-IM-2000-4108, syntype (ICZN Code Art. 75.8) would set aside the neotype designation. Name should be corrected to *R. lamarckii* (ICZN Code Art. 32.5). — Current status: *Bursa lamarckii*

(Deshayes, 1853) (Wilson 1993: 227, pl. 43, fig. 7a-b; Beu 1998: 155-157, figs 49a-e, 58f; Beu, in Poppe 2008a: 620, pl. 255, figs 6-7; Poppe & Tagaro, in Poppe 2011: 550, pl. 1266, figs 5-6; Beu *et al.* 2012: 68, fig. 2F; Okutani 2017: 867, pl. 154, fig. 2; Boutet *et al.* 2020: 306).

*margaritula*, *Ranella* – Deshayes, 1832b: 424-425, 440, 523, pl. 3, figs 13-15; 1843-*HistNatAnim2*: 550; 1843-*HistNatAnim3*: 696. — Type locality: Malabar, India; Bélanger. — Type age: Recent. — Type material: MNHN-IM-2000-4112, 5 syntypes. — Current status: *Bufoaria margaritula* (Deshayes, 1832) (Wilson 1993: 225, pl. 43, fig. 3a-c; Okutani 2017: 868, pl. 154, fig. 6).

## Family CASSIDAE Latreille, 1825

*calantica*, *Cassis* – Deshayes, 1835-*DescrCoqFoss*: 640-641, 44, pl. 85, figs 17-19. 1844-*HistNatAnim2*: 45; 1865-*DescrCoqFoss*: 485. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32850, holotype. — Current status: *Galeodea coronata* [Deshayes, 1830] *calantica* (Deshayes, 1835) (Le Renard & Pacaud 1995: 113).

*cicatricosa*, *Cassis* – Deshayes, 1844-*HistNatAnim2*: 42, ex Gronovius [Meuschen] ms. — Type locality: none given. Although given a separate entry in Sherborn, this is a subsequent incorrect spelling of *Buccinum cicatricosum* Gmelin, 1791, ex Meuschen ms, which is now regarded as a synonym of the western Atlantic *Semicassis granulata* (Born, 1778) [*Buccinum*] (figured under both names in D. Lamy & Pointier 2018: 230-232, pl. 70, figs 9-10; Kreipl 1997: 53-54, pl. 19, fig. 62-62e).

*coronata*, *Cassidaria* – Deshayes, 1830a-*EncyMeth*: 209; 1835-*DescrCoqFoss*: 635, 44, pl. 85, figs 11-13 [text cited figs 1-2]; 1837-*DescrCoqFoss*: 813 [correction made]; 1844-*HistNatAnim2*: 17; 1865-*DescrCoqFoss*: 482. — Type locality: Tancrou. — Type age: Eocene (Batonian). — Type material: UCBL-EM 32849, holotype. — Current status: *Galeodea coronata* (Deshayes, 1830) (Le Renard & Pacaud 1995: 113).

*diadema*, *Cassidaria* – Deshayes, 1865-*DescrCoqFoss*: 476-477, non *Buccinum diadema* Brocchi, 1814 [as *Cassidaria diadema* in Risso 1826]. *Galeoda gallica* Wrigley (1934: 123-124, pl. 16, figs 24-25), replacement name. — Type localities: Cuisse-la-Motte, Mercin-et-Vaux, Vregny, Cuisy-en-Almont, Sermoise, Aizy-Jouy, Laon, Hérouval, Pierrefonds & Retheuil. — Type age: Eocene (Ypresian). *Mambrinia gallica* (Wrigley, 1934) (Le Renard 1992: 6). — Current status: *Galeodea (Mambrinia) gallica* Wrigley, 1934 (Le Renard & Pacaud 1995: 113).

*enodis*, *Cassidaria* – Deshayes, 1865-*DescrCoqFoss*: 478. — Type localities: Parnes, Mouchy-le-Châtel, Gomerfontaine & Fontenay-Saint-Père. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32851, syntypes. — Current status: *Galeodea (Mambrinia) enodis* (Deshayes, 1865) (Le Renard & Pacaud 1995: 113; Pacaud 2008: 56).

*funiculosa*, *Cassidaria* – Deshayes, 1830a-*EncyMeth*: 208-209; 1835-*DescrCoqFoss*: 636-637, 44, pl. 85, figs 6-7; 1865-*DescrCoqFoss*: 482. — Type locality: Courtagnon. — Type age: Eocene (Lutetian) [see 1835]. — Type material: UCBL-EM 32848, holotype. *Galeodea* “?” *funiculosa* (Deshayes, 1835) (Le Renard & Pacaud 1995: 113). — Current status: *nomen dubium* (Pacaud herein).

*grateloupi*, *Cassis* – Deshayes, 1853-*TraitElem*: 69, pl. 116, fig. 2. — Type locality: Saint-Paul-lès-Dax. — Type age: Miocene (Burdigalian). New species based on *Cassis saburon* Bruguière, 1792, *sensu* Grateloup, 1845, but implicitly also Basterot, 1825; Grateloup cited Basterot, the first author to report this taxon in the Aquitaine basin and also wrote: “*C. saburon* Bast.” non *Cassidea saburon* Bruguière, 1792). — Type material: MNHN.F.A70932, 70933, syntypes (Brongniart/Basterot coll.). — Current status: *Semicassis grateloupi* (Deshayes, 1853) (Cossmann & Peyrot 1924a: 78-80; 1924b: pl. 11, figs 34-35; Lozouet *et al.* 2001: 45).



*plicata*, *Cassis* – Deshayes, 1844-HistNatAnim2: 26, ex Martini ms. — Type locality: none given. — Type age: Recent. — Current status: synonym of the African *Phalium fimbria* (Gmelin, 1791) [*Buccinum*] (Kreipl 1997: 36, pl. 12, figs 33-33b).

*pretiosa*, *Cassidaria* – Deshayes, 1865-DescrCoqFoss: 478-479, 92, pl. 92, figs 19-20. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32795, holotype. — Current status: *Galeodea (Mambrinia) pretiosa* (Deshayes, 1865) (Le Renard & Pacaud 1995: 113; Pacaud 2008: 56).

*retusa*, *Cassidaria* – Deshayes, 1865-DescrCoqFoss: 480, 93, pl. 93, figs 1-3. — Type localities: Auvers-sur-Oise, Mary-sur-Marne, Vendrest, Crouy, Le Fayel & Caumont. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32796, syntype from Mary-sur-Marne. — Current status: *Galeodea (Mambrinia) nodosa* [Solander, in Brander, 1766] *retusa* (Deshayes, 1865) (Le Renard 1992: 6; Le Renard & Pacaud 1995: 113).

*singularis*, *Cassidaria* – Deshayes, 1865-DescrCoqFoss: 479, 93, pl. 93, figs 4-5. — Type locality: Auvers-sur-Oise. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32797, holotype. — Current status: *Galeodea (Mambrinia) singularis* (Deshayes, 1865) (Le Renard & Pacaud 1995: 113).

*spinosa*, *Cassis* – Deshayes, 1844-HistNatAnim2: 23, ex Gronovius [Meuschen] ms. — Type locality: none given. — Type age: Recent. — Current status: synonym of the west African *Cassis tessellata* (Gmelin, 1791) [*Buccinum*] (Abbott 1968: 53-54, pl. 3, figs 5-6).

*sulcaria*, *Cassidaria* – Deshayes, 1865-DescrCoqFoss: 477-478, 92, pl. 92, figs 17-18. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32794, syntype. — Current status: *Galeodea (Mambrinia) sulcaria* (Deshayes, 1865) (Pacaud 2008: 56).

*textiliosa*, *Cassidaria* – Deshayes, 1835-DescrCoqFoss: 635-636, 44, pl. 85, figs 14-16; 1865-DescrCoqFoss: 481. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Current status: *Galeodea (Mambrinia) textiliosa* (Deshayes, 1835) (Le Renard & Pacaud 1995: 113; Pacaud 2008: 56).

*undata*, *Cassis* – Deshayes, 1844-HistNatAnim2: 28, ex Martini ms; 1849-DictUnivAtlas: 8, pl. 22, fig. 6. — Type locality: none given. — Type age: Recent. — Current status: synonym of the western Pacific *Phalium flammiferum* (Röding, 1789) [*Cassis*] (Abbott 1968: 89-91, pl. 7, figs 3-4, pl. 65, under the unavailable junior homonym *Buccinum rugosum* Gmelin, 1791, non Linnaeus, 1771).

#### Family CYMATIIDAE Iredale, 1913 [1854]

*affinis*, *Triton* – Deshayes, 1833b: 232, “pl. 7, figs 23-24”, *nomen nudum*; 1835b: 188, pl. 22, figs 23-24. — Type locality: Peloponnese Peninsula, Greece. — Type age: Recent. Subapennine Formation, Pliocene; also Perpignan & Italy, no age stated. 1853-TraitElem: 66, pl. 110, fig. 7. — Current status: synonym of *Cymatium corrugatum* (Lamarck, 1816) [*Triton*] (Nolf & Kreps 2009: 4, pl. 37, figs 211-214, pl. 38, figs 215-220, pl. 29, figs 221-224, pl. 40, figs 227-231).

*albocingulatum*, *Triton* – Deshayes, 1863: 113. — Type locality: La Réunion. — Type age: Recent. Based in part on *Triton tuberosum* Lamarck, 1822, “var. a” of Reeve, 1844b (pl. 1, fig. 1a). — Type material: MNHN-IM-2000-4093, lectotype (Beu 1998: 81); MNHN-IM-2000-28771, 2 paralectotypes. — Current status: synonym of *Gutturium muricinum* (Röding, 1798) [*Distorsio*] (Beu 2010: 138-139, pl. 34, figs 2-3; Beu et al. 2012: 91-92).

#### Family RANELLIDAE J. E. Gray, 1854

*antiquum*, *Triton* – Deshayes, 1865-DescrCoqFoss: 303-304, 86, pl. 86, figs 21-22 [in text as pl. 85]. — Type localities: Gueux & Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32777, syntype from Gueux. *Sassia (Sassia) antiqua* (Deshayes, 1865) (Le Renard & Pacaud 1995: 113; Leroy et al. 2014: 25, pl. 26, fig. 2). — Current status: *Pseudosassia antiqua* (Deshayes, 1865) (Vicián & Kovács 2022: 29).

*bicinctum*, *Triton* – Deshayes, 1835-DescrCoqFoss: 614-615, 42, pl. 80, figs 33-35; 1865-DescrCoqFoss: 305. — Type localities: Thiverval-Grignon & Parnes. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32337, syntype from Thiverval-Grignon. *Sassia (Sassia) bicincta* (Deshayes, 1835) (Le Renard & Pacaud 1995: 113; Pacaud 2008: 56, as “1865”). — Current status: *Parasassia bicincta* (Deshayes, 1835) (Craig et al. 2020: 29).

*formosum*, *Triton* – Deshayes, 1865-DescrCoqFoss: 310, 86, pl. 86, figs 4-6. — Type localities: Chaussy, Mouchy-le-Châtel, Fontenay-en-Vexin & Hérouval. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32773, syntypes from Chaussy. *Sassia (Sassia) formosa* (Deshayes, 1865) (Le Renard & Pacaud 1995: 113; Pacaud 2008: 56). — Type species (OD) of *Protocharonia* Craig & Tracey, in Craig et al., 2020. — Current status: *Protocharonia formosa* (Deshayes, 1865) (Craig et al. 2020: 87, 88).

*inornatum*, *Triton* – Deshayes, 1865-DescrCoqFoss: 311-312, 87, pl. 87, figs 4-6. — Type locality: Chaussy. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32779, syntype. *Sassia (Cymatiella) inornata* (Deshayes, 1865) (Le Renard & Pacaud 1995: 113; Pacaud 2008: 56). — Current status: *Cymatiella inornata* (Deshayes, 1865) (Craig et al. 2020: 22).

*multigraniferum*, *Triton* – Deshayes, 1835-DescrCoqFoss: 612-613, 42, pl. 80, figs 19-21; 1865-DescrCoqFoss: 308. — Type localities: Thiverval-Grignon & Beynes. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32334, syntypes from Thiverval-Grignon. *Sassia (Sassia) multigranifera* (Deshayes, 1865) (Le Renard & Pacaud 1995: 113; Pacaud 2008: 56). — Type species (OD) of *Parasassia* Craig & Tracey, in Craig et al., 2020. — Current status: *Parasassia multigranifera* (Deshayes, 1835) (Craig et al. 2020: 29-30; fig. 11, pl. 11, figs 1-7).

*planicostatum*, *Triton* – Deshayes, 1835-DescrCoqFoss: 616, 42, pl. 80, figs 25-29; 1865-DescrCoqFoss: 309. — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32335, syntypes from Mouchy-le-Châtel. — Type species (OD) of *Planitriton* Craig & Tracey, in Craig et al., 2020. *Sassia (Gyrineum) planicostata* (Deshayes, 1835) (Le Renard & Pacaud 1995: 113; Pacaud 2008: 56, as “1865”). — Current status: *Planitriton planicostata* (Deshayes, 1835) (Craig et al. 2020: 78, pl. 34, figs 1-4).

*polygonoides*, *Triton* – Deshayes, 1865-DescrCoqFoss: 310-311, 86, pl. 86, figs 6-9. — Type localities: Parnes, Mouchy-le-Châtel & Chaussy. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32774, syntypes from Parnes. — Current status: *Sassia (Cymatiella) polygonoides* (Deshayes, 1865) (Le Renard & Pacaud 1995: 113; Pacaud 2008: 56).

*reticulosum*, *Triton* – Deshayes, 1865-DescrCoqFoss: 308, referring to Deshayes, 1835-DescrCoqFoss: 615, 42, pl. 80, figs 30-32, treatment of *Triton reticulosum* (Lamarck, 1803) [*Murex*]. However, he expressly rejected this association and created a new species but using the same specific name. — Type localities: Thiverval-Grignon, Parnes, Fontenay-en-Vexin, Mouchy-le-Châtel, Chaussy, Chambors, Saint-Thomas, Beynes, La Ferme de l’Orme, Chaumont-en-Vexin, Damery & Néhou. — Type age: Eocene (Lutetian). — Type mate-

rial: UCBL-EM 32336, syntypes from Thiverval-Grignon. *Sassia* (*Sassia*) *reticulosa* (Deshayes, 1865) (Le Renard & Pacaud 1995: 113; Pacaud 2008: 56; Courville *et al.* 2012: 65, pl. 6, fig. 32). — Current status: *Sassia* (*Byramia*) *reticulosa* (Deshayes, 1865) (Tréguier & Pacaud 2018: 211, as “1835”).

*scabriusculum*, *Triton* – Deshayes, 1865-*DescrCoqFoss*: 306-307, 86, pl. 86, figs 13-15. — Type localities: Auvers-sur-Oise, Mary-sur-Marne, Le Fayel, Caumont, La Ferté-sous-Jouarre, Le Guépelle, Ver-sur-Launette & Ermenonville. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32775, possible syntypes. — Current status: *Sassia* (*Sassia*) *scabriuscula* (Deshayes, 1865) (Le Renard & Pacaud 1995: 113).

*unifilosum*, *Triton* – Deshayes, 1833a: 34-35, *nomen nudum*.

#### Family XENOPHORIDAE Troschel, 1852 [1840]

K. V. W. Palmer (1962) petitioned the International Commission on Zoological Nomenclature to have the name Xenophoridae “Deshayes, 1864”, conserved. However, the name was first introduced by Troschel (1852) and is now given precedence from Phoridae J. E. Gray, 1840 (ICZN Opinion 715, 1964, but with the family name miscredited to Philippi 1853; Bouchet *et al.* 2017: 264, 348; ICZN Code Art. 40.2).

*confusus*, *Trochus* – Deshayes, 1832-*DescrCoqFoss*: 243, 18, pl. 31, figs 3-4; 1864-*DescrCoqFoss*: 963, as *Xenophora*. — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 30016, syntype. The specimen of Bartonian from Valmondois is *Xenophora* (*Xenophora*) *cumulans* (Brongniart, 1823). — Current status: *Xenophora* (*Xenophora*) *confusa* (Deshayes, 1832) (Ponder 1983: 68; Le Renard & Pacaud 1995: 96; Pacaud 2008: 57; Courville *et al.* 2012: 64, pl. 5, fig. 6; Lebrun *et al.* 2016: 40-41, fig. 16).

*nummulitifera*, *Xenophora* – Deshayes, 1864-*DescrCoqFoss*: 965, 64, pl. 64, figs 27-30. — Type localities: Aizy-Jouy, Cuise-la-Motte, Cuisy-en-Almont, Lavarsine, Mercin-et-Vaux, Laon, Cœuvres-et-Valsery & Rethueil. — Type age: Eocene (Ypresian). — Current status: *Xenophora* (*Xenophora*) *nummulitifera* Deshayes, 1864 (Ponder 1983: 71; Le Renard & Pacaud 1995: 97; Lebrun *et al.* 2016: 43; Pacaud 2016b: 60, fig. 19).

*patellatus*, *Trochus* – Deshayes, 1832-*DescrCoqFoss*: 240-241, 18, pl. 31, figs 5-7; 1843-*HistNatAnim2*: 168-169; 1843-*HistNatAnim3*: 562; 1864-*DescrCoqFoss*: 966, as *Xenophora*. — Type localities: Valmondois, Acy-en-Multien, Mary-sur-Marne & Tancrou. — Type age: Eocene (Bartonian). — Current status: *Xenophora* (*Xenophora*) *patellata* (Deshayes, 1832) (Ponder 1983: 72; Le Renard & Pacaud 1995: 96; Lebrun *et al.* 2016: 43).



*agglutinans*, *Trochus* – Deshayes, 1833e: 125. Listed as a Deshayes species, its original author was Lamarck, 1804. Lamarck's species is now considered to be a synonym of *Xenophora schroeteri* (Gmelin, 1791) [*Trochus*] (Pacaud 2016e: 55, 61). The Austrian Miocene material of Boué seen by Deshayes was more likely *Ponderiana testigera* (Bronn, 1831) [*Trochus*].

*gravesiana*, *Xenophora* – Deshayes, 1864-*DescrCoqFoss*: 964, 64, pl. 64, figs 31-34. Sometimes misattributed to Deshayes, this was made available by d'Orbigny (1850b: 312, no. 276, as *Phorus gravesianus*) (Pacaud 2007: 42).

#### Family HARPIDAE Bronn, 1849

*elegans*, *Harpa* – Deshayes, 1835-*DescrCoqFoss*: 643-644, 44, pl. 86, figs 16-18; 1844-*HistNatAnim2*: 134-135; 1865-*DescrCoqFoss*: 524-525. — Type locality: Valmondois. — Type age: Eocene (Bartonian). *Harpa* (*Eocithara*) *elegans* Deshayes, 1835 (Le Renard & Pacaud 1995: 120). — Current status: *Eocithara* (*Eocithara*) *elegans* (Deshayes, 1835) (Merle & Pacaud 2004: 68, fig. 6E).

*lamarckii*, *Oniscia* – Deshayes, 1844-*HistNatAnim2*: 12-13. — Type locality: “India” [actually western Atlantic]. — Type age: Recent. *Morum lamarckii* (Deshayes, 1844) (Poppe *et al.* 1999: 15, pl. 31, figs 5-10) – Current status: synonym of *Morum purpureum* Röding, 1798, the type species (M) of *Morum* Röding, 1798 (Petuch & Berschauer 2020: 62, 67, fig. 1E-G).

#### Family MARGINELLIDAE J. Fleming, 1828

*Cucumis* – Deshayes, 1830b-*EncyMeth*: 34, *ex* Klein ms. Unavailable name associated with this family (ICZN Code Art. 11.5.2) (Petit, 2009: 71).

*acutangula*, *Marginella* – Deshayes, 1865-*DescrCoqFoss*: 551, 104, pl. 104, figs 24-26. — Type localities: Les Groux & Parnes. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32818, syntypes from Les Groux. — Current status: *Volvarina acutangula* (Deshayes, 1865) (Le Renard & Pacaud 1995: 119; Pacaud 2008: 64).

*angystoma*, *Marginella* – Deshayes, 1835-*DescrCoqFoss*: 710-711, 49, pl. 95, figs 23-25; 1844-*HistNatAnim2*: 456-457; 1865-*DescrCoqFoss*: 554. — Type localities: Parnes, Thiverval-Grignon & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Persicula angystoma* (Deshayes, 1835) (Le Renard & Pacaud 1995: 120; Pacaud 2008: 64).

*arctata*, *Marginella* – Deshayes, 1865-*DescrCoqFoss*: 549-550, 104, pl. 104, figs 233-235. — Type locality: Chambors. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32820, syntypes. — Current status: *Volvarinella arctata* (Deshayes, 1865) (Le Renard & Pacaud 1995: 120; Pacaud 2008: 64).

*avenacea*, *Marginella* – Deshayes, 1844-*HistNatAnim2*: 454, *ex* Kiener ms. Spelling error for *Marginella avena* Kiener, 1834 (Tomlin 1917: 252).

*columbellina*, *Marginella* – Deshayes, 1865-*DescrCoqFoss*: 552, 104, pl. 104, figs 27-29. In synonymy with *Marginella bifiduplicata* F. E. Edwards, 1854. Listed by Deshayes as a manuscript name in his collection that was equivalent to the species that had been named by F. E. Edwards (1854), with Deshayes' material from Thiverval-Grignon, Houdan, Parnes, Fontenay-en-Vexin, Mouchy-le-Châtel, Montimrail, Damery, Hérouval, Chambors, Auvers-sur-Oise, La Ferté-sous-Jouarre, Lévemont, Chéry-Chartreuve, Ver-sur-Launette, Ermenonville & Le Guépelle. — Type age: Eocene (Lutetian-Bartonian). It was then recognized as a subspecies of Edwards' species. — Current status: *Volvarinella columbellina* (Deshayes, 1865) (Le Renard & Pacaud 1995: 119).

*contabulata*, *Marginella* – Deshayes, 1865-*DescrCoqFoss*: 551-552, 104, pl. 104, figs 30-32. — Type localities: Thiverval-Grignon, Houdan, Parnes, Fontenay-en-Vexin, Damery & Fleury-la-Rivière. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32816, syntypes from Damery. — Current status: *Volvarinella contabulata* (Deshayes, 1865) (Le Renard & Pacaud 1995: 119; Pacaud 2008: 64).

*crassula*, *Marginella* – Deshayes, 1865-*DescrCoqFoss*: 547, 104, pl. 104, figs 9-11. — Type localities: Chaumont-en-Vexin, les Groux, Thiverval-Grignon, Parnes, Chaussy & Damery; Hautteville-Bocage. — Type age: Eocene (Lutetian). — Type material:



UCBL-EM 32813, syntype. — Current status: *Volvarinella crassula* (Deshayes, 1865) (Le Renard & Pacaud 1995: 120; Pacaud 2008: 64; Tréguier & Pacaud 2018: 208).

*crenulata*, *Marginella* – Deshayes, 1865-*DescrCoqFoss*: 550, 104, pl. 104, figs 18-20. — Type locality: Houdan. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32815, syntypes. — Current status: *Volvarinella crenulata* (Deshayes, 1865) (Le Renard & Pacaud 1995: 119; Pacaud 2008: 64).

*cuvieri*, *Marginella* – Deshayes, 1853-*TraitElem*: 75, pl. 123, fig. 8. — Type locality: none given. — Type age: Recent. — Current status: synonym of the western Atlantic *Bullata bullata* (Born, 1778) (Tomlin 1917: 261).

*cylindracea*, *Marginella* – Deshayes, 1865-*DescrCoqFoss*: 549, 104, pl. 104, figs 21-23. — Type locality: Le Fayel. — Type age: Eocene (Bartonian). — Current status: *Volvarina cylindracea* (Deshayes, 1865) (Le Renard & Pacaud 1995: 119; Pacaud 2008: 64; Tréguier & Pacaud 2018: 210).

*dissimilis*, *Marginella* – Deshayes, 1865-*DescrCoqFoss*: 548, 104, pl. 104, figs 15-17. — Type localities: Thiverval-Grignon, Beynes, La Ferme de l'Orme & Houdan. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32814, syntypes from Thiverval-Grignon. — Current status: *Volvarinella dissimilis* (Deshayes, 1865) (Le Renard & Pacaud 1995: 119; Pacaud 2008: 64).

*edwardsi*, *Marginella* – Deshayes, 1865-*DescrCoqFoss*: 547-548, 104, pl. 104, figs 12-14. — Type localities: Auvers-sur-Oise, Chéry-Chartreuve, Léveumont, Le Guépelle, Ver-sur-Launette & Ermenonville. — Type age: Eocene (Bartonian). — Current status: *Volvarinella edwardsi* (Deshayes, 1865) (Le Renard & Pacaud 1995: 119).

*fragilis*, *Marginella* – Deshayes, 1865-*DescrCoqFoss*: 553, 104, pl. 104, figs 39-41. — Type localities: Thiverval-Grignon & Parnes. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32821, syntype from Thiverval-Grignon. — Current status: *Stazzania fragilis* (Deshayes, 1865) (Le Renard & Pacaud 1995: 120; Pacaud 2008: 64).

*hordeola*, *Marginella* – Deshayes, 1835-*DescrCoqFoss*: 708-709, 49, pl. 95, figs 26-29; 1844-*HistNatAnim2*: 455-456; 1865-*DescrCoqFoss*: 552-553. — Type localities: Thiverval-Grignon & Parnes. — Type age: Eocene (Lutetian). — Current status: *Volvarinella hordeola* (Deshayes, 1835) (Le Renard & Pacaud 1995: 119; Pacaud 2008: 64, as “1865”).

*mitis*, *Marginella crassula* – Deshayes, 1865-*DescrCoqFoss*: 547. This name was proposed conditionally before 1961 [ICZN Code: Art. 11.5]. Deshayes proposed the name *Marginella mitis* for a narrow variety of *M. crassula* but did not use it as the valid name of a taxon.

*nitidula*, *Marginella* – Deshayes, 1835-*DescrCoqFoss*: 709-710, 49, pl. 95, figs 10-11; 1844-*HistNatAnim2*: 456; 1853-*TraitElem*: 75, pl. 123, fig. 13; 1865-*DescrCoqFoss*: 553-554. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Current status: *Marginella (Glabella) nitidula* Deshayes, 1865 (Le Renard & Pacaud 1995: 120; Pacaud 2008: 64).

*pyrum*, *Marginella* – Deshayes, 1844-*HistNatAnim2*: 436-437, ex Gronovius [Meuschen] ms. — Type locality: none given. — Type age: Recent. Listed in the synonymy of *Marginella nubeculata* Lamarck, 1822. Listed in Tomlin (1917: 293) as of Gronovius, with no mention of Deshayes. — Current status: according to Tomlin, synonym of the South African *Marginella nebulosa* (Röding, 1798) [*Pterygia*], senior synonym of Lamarck's species.

*undulata*, *Marginella* – Deshayes, 1844-*HistNatAnim2*: 451, ex Chemnitz ms. — Type locality: Guinea. — Type age: Recent. — Current status: synonym of *Cryptospira strigata* (Dillwyn, 1817) [*Voluta*] (Tomlin 1917: 303).

## Family VOLUTIDAE Rafinesque, 1815

*Priamus* – Deshayes, 1838-*HistNatAnim2*: 299-300, ex Beck ms. — Type species (M/T): *Helix priamus* Gmelin, 1891. 1843-*HistNatAnim3*: 376. — Current status: synonym of *Ampulla* Röding, 1798. Type genus of Priamidae Sisonda, 1842, but Scaphellinae J. E. Gray, 1857, has been protected under ICZN Code Art. 23.9, with Priamidae regarded as a *nomen oblitum* (Bouchet et al. 2017: 199).

*angusta*, *Voluta* – Deshayes, 1835-*DescrCoqFoss*: 697-698, 48, pl. 94, figs 5-6; 1844-*HistNatAnim2*: 428-429; 1865-*DescrCoqFoss*: “602” [612]. — Type localities: Rethueil, Cuise-la-Motte & Soissons. — Type age: Eocene (Ypresian). *Eopsephaea angusta* (Deshayes, 1835) (Le Renard 1992: 10; Le Renard & Pacaud 1995: 118). *Eopsephaea* Fischer, 1883 (type species: *Voluta muricina* Lamarck, 1803, by monotypy) is a junior objective synonym of *Volutilithes* Swainson, 1821, which has the same type species (Merle & Pacaud 2014: 126). — Current status: *Volutilithes angustus* (Deshayes, 1835) (Merle & Pacaud 2014: 128).

*barrandii*, *Voluta* – Deshayes, 1865-*DescrCoqFoss*: “587” [597], 102, pl. 102, figs 1-2. — Type localities: Mary-sur-Marne, Acy-en-Multien, Betz, Coulombs & Caumont. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32807, syntypes. — Current status: *Athleta (Neoathleta) barrandii* (Deshayes, 1835) (Le Renard & Pacaud 1995: 119; Ledon 2011a: 26, 28, fig. 9).

*baudoni*, *Voluta* – Deshayes, 1865-*DescrCoqFoss*: “584-585” [594-595], 102, pl. 102, figs 13-14. — Type locality: Bracheux. — Type age: Paleocene (Thanetian). — Current status: *Scaphella baudoni* (Deshayes, 1865) (Le Renard & Pacaud 1995: 118). *Euroscaphella baudoni* (Deshayes, 1865) (Van Dingenen et al. 2014: 104).

*bouei*, *Voluta* – Deshayes, 1865-*DescrCoqFoss*: “595-596” [605-606], 101, pl. 101, figs 6-7. — Type material: UCBL-EM 32806, lectotype (Pacaud 2016d). — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). *Plejona “?” bouei* (Deshayes, 1865) (Le Renard & Pacaud 1995: 119; Ledon 2011b: 36-37, fig. 2). *Mitreola bouei* (Deshayes, 1865) (Pacaud 2008: 65). — Current status: *Eovoluta bouei* (Deshayes, 1865) (Pacaud 2016d: 18-19, pl. 1, fig. 7a-b, pl. 6, figs 1-7).

*costulata*, *Mitra* – Deshayes, 1835-*DescrCoqFoss*: 673-675, 46, pl. 90, figs 1-2, non Risso, 1826; 1844-*HistNatAnim2*: 365; 1865-*DescrCoqFoss*: “571-572” [581-582]. — Type localities: Mouchy-le-Châtel & Parnes. — Type age: Eocene (Lutetian). Renamed *Mitra subcostulata* d'Orbigny, 1850b (d'Orbigny 1850b: 354, no. 298). — Current status: *Mitreola subcostulata* (d'Orbigny, 1850) (Pacaud 2007: 47).

*crassidens*, *Mitra* – Deshayes, 1835-*DescrCoqFoss*: 676-677, 46, pl. 90, figs 3-4, 7-8, non Broderip & G. B. Sowerby I, 1829; 1844-*HistNatAnim2*: 367; 1865-*DescrCoqFoss*: “571” [581]. — Type localities: Thiverval-Grignon & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Mitreola maxwelli* Le Renard, 1994 (Le Renard 1994: 38), replacement name (Le Renard & Pacaud 1995: 118; Pacaud 2008: 65; Tréguier & Pacaud 2018: 208).

*edwardsi*, *Voluta* – Deshayes, 1865-*DescrCoqFoss*: “598” [608], 101, pl. 101, figs 2-3. non d'Archiac, 1850. — Type localities: Parnes, Mouchy-le-Châtel, Damery & Thiverval-Grignon. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32804, syntype from Damery. Renamed *Voluta friderici* Bayan, 1870 (Bayan 1870: 57). — Current status: *Eopsephaea friderici* (Bayan, 1870) (Le Renard 1992: 10, as *E. “friderici”* Deshayes”; Le Renard & Pacaud 1995: 118).

*fabri*, *Voluta* – Deshayes, 1866b: 330, 338-339, pl. 7, figs 4, 5. — Type locality: Argenteuil. — Type age: Eocene (Pribonian). — Type material: UCBL-EM 33121, holotype. *Athleta (Volutospina) depauperatus* [J. de C. Sowerby, 1823] *fabri* (Deshayes, 1866) (Pacaud & Ledon 2007: 13, pl. 3, figs 1-3). — Current status: synonym of *Athleta (Volutospina) scalaris* (J. de C. Sowerby, 1843) (Pacaud herein).

*goldfussi*, *Voluta* – Deshayes, 1865-*DescrCoqFoss*: “599-600” [609-610], 102, pl. 102, figs 3-4. — Type localities: Coulombs, Betz & Caumont. — Type age: Eocene (Bartonian). — Current status: *Eopsephaea goldfussi* (Deshayes, 1865) (Le Renard 1992: 10). *Lyria goldfussi* (Deshayes, 1865) (Le Renard & Pacaud 1995: 118).

*heberti*, *Voluta* – Deshayes, 1865-*DescrCoqFoss*: “594” [604], 101, pl. 101, figs 8-9. *non* Michelotti, 1861. — Type locality: Beynes. — Type age: Eocene (Lutetian). — Type material: MNHN.F.J03354, holotype. Renamed *Voluta quinqueplicata* Bayan, 1870 (Bayan 1870: 56-57), and again unnecessarily *Voluta deshayesi* Sacco, 1890 (Sacco 1890: 13). *Volutilithes quinqueplicata* (Bayan, 1870) (Le Renard 1992: 10). *Plejona quinqueplicata* (Bayan, 1870) (Le Renard & Pacaud 1995: 119). — Current status: synonym of *Pseudaulicina musicalis* (Lamarck, 1803) (Merle & Pacaud 2014: 128).

*hornesi*, *Voluta* – Deshayes, 1865-*DescrCoqFoss*: “595” [605], 101, pl. 101, figs 4-6. — Type locality: Damery. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32805, holotype. — Current status: *Plejona hornesi* (Deshayes, 1865) (Le Renard & Pacaud 1995: 119; Pacaud 2008: 66).

*labrosa*, *Mitra* – see: *lebrosa*, *Mitra*.

*lebrosa*, *Mitra* – Deshayes, 1835-*DescrCoqFoss*: 673 [as *M. “lebrosa”*], 45 [as *M. “labrosa”*], pl. 88, figs 20-21; 1844-*HistNatAnim2*: 365-366; 1865-*DescrCoqFoss*: “573” [583], as *Mitra labrosa* (ICZN Code Art. 24.2.4). — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Mitreola labrosa* (Deshayes, 1835) (Le Renard & Pacaud 1995: 118; Pacaud 2008: 65).

*lajoyi*, *Mitra* – Deshayes, 1835-*DescrCoqFoss*: 678-679, 46, pl. 89, figs 5-6; 1844-*HistNatAnim2*: 368; 1865-*DescrCoqFoss*: “571” [581]. — Type localities: Acy-en-Multien & Valmondois. — Type age: Eocene (Bartonian). — Type material: UCBL-EM32784, lectotype (Pacaud 2016d). *Mitreola lajoyi* (Deshayes, 1835) (Le Renard & Pacaud 1995: 118). — Current status: *Eovoluta lajoyi* (Deshayes, 1835) (Pacaud 2016d: 17, pl.1, fig. 6a-b, pl. 4, fig. 6, pl. 5, figs 1-9).

*lineolata*, *Voluta* – Deshayes, 1835-*DescrCoqFoss*: 686-687, 47, pl. 90, figs 11-12; 1844-*HistNatAnim2*: 425-426; 1865-*DescrCoqFoss*: “586” [596]. — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32859, syntype from Parnes. — Current status: *Athleta (Neoathleta) lineolatus* (Deshayes, 1835) (Le Renard & Pacaud 1995: 119; Pacaud 2008: 66; Ledon 2011a: 26-27, fig. 5).

*luteostoma*, *Voluta* – Deshayes, 1844-*HistNatAnim2*: 409, *ex* Chemnitz ms. — Type locality: none given. — Type age: Recent. — Current status: synonym of the Asian *Cymbiola chrysostoma* (Swainson, 1824) [*Voluta*] (Weaver & Dupont 1970: 80, pl. 32A-B; Bail & Poppe 2001: 27).

*mitrata*, *Voluta* – Deshayes, 1835-*DescrCoqFoss*: 696-697, 48, pl. 94, figs 1-2; 1865-*DescrCoqFoss*: “594-595” [604-605]. — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32856, syntype from Mouchy-le-Châtel. *Plejona mitrata* (Deshayes, 1835) (Le Renard & Pacaud 1995: 119; Pacaud 2008: 66; Ledon 2011b: 36-37, fig. 4; Courville *et al.* 2012, 58, fig. 2: 5, 69, pl. 9, figs 1-4, 6). — Current status: *Pseudaulicina mitrata* (Deshayes, 1835) (Merle & Pacaud 2014: 128).

*mutata*, *Voluta* – Deshayes, 1835-*DescrCoqFoss*: 682-683, 47, pl. 92, figs 1-2; 1844-*HistNatAnim2*: 423-424; 1865-*DescrCoqFoss*: “585” [595]. — Type localities: Mary-sur-Marne, Tancrou, Betz & Valmondois. — Type age: Eocene (Bartonian). *Athleta (Neoathleta) mutatus* (Deshayes, 1835) (Le Renard & Pacaud 1995: 119; Ledon 2011a: 26, 28, fig. 8). — Current status: *Athleta (Volutopupa) mutatus* (Deshayes, 1835) (Merle & Pacaud 2014: 119).

*neglecta*, *Voluta* – Deshayes, 1865-*DescrCoqFoss*: “601” [611]. New species based on *Voluta costaria* Lamarck, 1803, of Deshayes, 1835 (pl. 91, figs 16-17, not figs 14-15). However, *Voluta neglecta* Deshayes, 1865, is *non* Michelotti, 1861. — Type localities: Chaumont-en-Vexin, Les Groux, Thiverval-Grignon, Parnes, Fontenay-en-Vexin, Chambors, Hauteville-Bocage. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32789, syntype from Thiverval-Grignon. Renamed *Voluta relictus* Bayan, 1870 (Bayan 1870: 57). — Current status: *Eopsephaea relictus* (Bayan, 1870) (Le Renard & Pacaud 1995: 118), now *Volutilites relictus* (Bayan, 1870).

*obliquata*, *Mitra* – Deshayes, 1835-*DescrCoqFoss*: 677, 46, pl. 89, figs 3-4, pl. 90, figs 5-6, *non* Lamarck, 1811; 1844-*HistNatAnim2*: 367-368; 1865-*DescrCoqFoss*: “572” [582]. — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). *Mitreola cernohorskyi* Le Renard, 1994 (Le Renard 1994: 38), replacement name (Le Renard & Pacaud 1995: 118; Pacaud 2008: 65). — Current status: synonym of *Mitreola neubuetensis* (Hébert & Munier-Chalmas, 1877) [*Mitra*] (Pacaud *herein*).

*parisiensis*, *Mitra* – Deshayes, 1832-*EncyMeth*: 470-471; 1835-*DescrCoqFoss*: 677-678, 46, pl. 89, figs 16-17; 1844-*HistNatAnim2*: 368-369; 1865-*DescrCoqFoss*: “570” [580], 103, pl. 103, figs 4-5, 104, pl. 104, figs 7-8. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32854, lectotype (Pacaud 2016d); -EM 33142, paralectotype. *Mitreola parisiensis* (Deshayes, 1832) (Le Renard 1992: 9; Le Renard & Pacaud 1995: 118; Pacaud 2008: 65). — Current status: synonym of *Eovoluta branderi* (Defrance, 1824) [*Mitra*] (Pacaud 2016d: 15-17, pl. 1, figs 1-5, pl. 3, figs 1-7, pl. 4, figs 1-5).

*plicatella*, *Voluta* – Deshayes, 1835-*DescrCoqFoss*: 700, 48, pl. 94, figs 19-20; 1865-*DescrCoqFoss*: “586” [596]. — Type locality: Rethuil. — Type age: Eocene (Ypresian). — Type material: ML-PAL-21091a, holotype. — Current status: *Athleta (Neoathleta) plicatella* (Deshayes, 1835) (Pacaud 2007: 47, 53, fig. 11D; Ledon 2011a: 26-27, fig. 1).

*rigaultiana*, *Voluta* – Deshayes, 1865-*DescrCoqFoss*: “596-597” [606-607], 101, pl. 101, fig. 1. — Type locality: Caumont. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32803, holotype. — Current status: *Cymbiola (Aulicina) rigaultiana* (Deshayes, 1865) (Le Renard & Pacaud 1995: 119).

*simplex*, *Voluta* – Deshayes, 1835-*DescrCoqFoss*: 704-705, 48, pl. 94, figs 12-13; 1844-*HistNatAnim2*: 431-432; 1865-*DescrCoqFoss*: “605” [615]. — Type locality: Betz. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32858, holotype. — Current status: *Lyria (Lyria) simplex* (Deshayes, 1835) (Le Renard & Pacaud 1995: 119).

*strombiformis*, *Voluta* – Deshayes, 1835-*DescrCoqFoss*: 687, 47, pl. 92, figs 13-14; 1844-*HistNatAnim2*: 426-427; 1865-*DescrCoqFoss*: “588” [598]. — Type localities: Valmondois & Mary-sur-Marne. — Type age: Eocene (Bartonian). — Current status: *Athleta (Athleta) strombiformis* (Deshayes, 1835) (Le Renard & Pacaud 1995: 119; Merle & Pacaud 2014: 116).

*subplicata*, *Mitra* – Deshayes, 1835-*DescrCoqFoss*: 675, 46, pl. 89, figs 1-2; 1844-*HistNatAnim2*: 366; 1865-*DescrCoqFoss*: “572” [582]. — Type localities: Thiverval-Grignon, Parnes & Valmondois. — Type age: Eocene (Lutetian). — Current status: *Mitreola subplicata* (Deshayes, 1832) (Le Renard & Pacaud 1995: 118; Pacaud 2008: 66).

*torulosa*, *Voluta* – Deshayes, 1835-*DescrCoqFoss*: 699-700, 47, pl. 91, figs 12-15; 1844-*HistNatAnim2*: 428; 1865-*DescrCoqFoss*: “600” [610]. — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). *Eopsephaea torulosa* (Deshayes, 1835) (Le Renard 1992: 10; Le Renard & Pacaud 1995: 118; Pacaud 2008: 66; Courville *et al.* 2012: 70, pl. 10, figs 5-7). — Current status: *Volutilithes torulosus* (Deshayes, 1835) (Merle & Pacaud 2014: 127).



*trisulcata*, *Voluta* – Deshayes, 1835-*DescrCoqFoss*: 690, 48, pl. 94, figs 10-11; 1865-*DescrCoqFoss*: “592” [602]. — Type localities: Laon & Soissons. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32857, syntype from Laon. — Current status: *Volutocorbis trisulcata* (Deshayes, 1835) (Le Renard & Pacaud 1995: 119).

*turgidula*, *Voluta* – Deshayes, 1835-*DescrCoqFoss*: 700-701, 46, pl. 90, figs 9-10, *non* Brocchi, 1814; 1865-*DescrCoqFoss*: “603” [613]. — Type localities: Parnes & Valmondois. — Type age: Eocene (Lutetian). *Voluta subturgidula* d’Orbigny, 1850b (d’Orbigny 1850b: 353, no. 276), replacement name. *Lyria* (*Harpella*) *roedingi* Le Renard, 1994 (Le Renard 1994: 38), unnecessary additional replacement name. *Lyria* (*Harpella*) *subturgidula* (d’Orbigny, 1850) (Pacaud 2007: 47). — Current status: *Lyria* (*Lyria*) *subturgidula* (d’Orbigny, 1850) (Merle & Pacaud 2014: 108).

*ventricosa*, *Voluta* – Deshayes, 1835-*DescrCoqFoss*: 683-684, 47, pl. 92, figs 9-10, *ex* DeFrance ms, *non* Dillwyn, 1817. — Type localities: Parnes & Courtagnon. — Type age: Eocene (Lutetian). — Current status: *Athleta* (*Neoathleta*) *listerarum* Le Renard, 1994 (Le Renard 1994: 37), replacement name. *Athleta* (*Volutopupa*) *listerarum* (Le Renard, 1994) (Pacaud herein).

*wateleti*, *Voluta* – Deshayes, 1865-*DescrCoqFoss*: “598-599” [608-609], 101, pl. 101, figs 10-11. — Type locality: Mercin-et-Vaux. — Type age: Eocene (Ypresian). *Plejona wateleti* (Deshayes, 1865) (Le Renard & Pacaud 1995: 119; Ledon 2011b: 36-37, fig. 1). — Current status: *Pseudaulicima wateleti* (Deshayes, 1865) (Merle & Pacaud 2014: 128).

*zonata*, *Voluta* – Deshayes, 1865-*DescrCoqFoss*: “601-602” [611-612], 102, pl. 102, figs 7-8, *non* W. Wood, 1828. — Type locality: Fismes. — Type age: Eocene (Ypresian). *Eopsephaea schilderi* Le Renard, 1994 (Le Renard 1994: 38), replacement name (Le Renard & Pacaud 1995: 118). — Current status: *Volutilithes schilderi* (Le Renard, 1994).



*branderi*, *Voluta* – Deshayes, 1835-*DescrCoqFoss*: 701-702, 46, pl. 90, figs 15-16, *ex* DeFrance ms, but this was described by DeFrance (1829).

*mixta*, *Eopsephaea* – Listed in error by Le Renard (1992: 10) as a Deshayes species, but it was first made available as *Voluta mixta* Nyst, 1845, *ex* Chemnitz ms.

#### Family CANCELLARIIDAE Forbes & Hanley, 1851

*angulifera*, *Cancellaria* – Deshayes, 1864-*DescrCoqFoss*: 107, 73, pl. 73, figs 13-15. — Type locality: Le Fayel. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32702, holotype. Listed by Petit & Harasewych (2005: 24). — Current status: *Unitas angulifera* (Deshayes, 1864) (Le Renard & Pacaud 1995: 121).

*asperula*, *Cancellaria* – Deshayes, 1830a-*EncyMeth*: 187; Deshayes in Guérin-Méneville 1835: pl. 17, fig. 3, 3a; 1843-*HistNatAnim2*: 411; 1843-*HistNatAnim3*: 646-647; Deshayes in Guérin-Méneville 1844: 33; Guérin-Méneville & Deshayes 1868: pl. 16, fig. 3, 3a, as *C. asperella* (Lamarck, 1822). — Type locality: none given. — Type age: Recent. Listed by Petit & Harasewych (2005: 26). — Current status: synonym of the Indo-Pacific *Scalptia obliquata* (Lamarck, 1822) [*Cancellaria*], type species (OD) of *Scalptia* Jousseaume, 1887.

*basteroti*, *Cancellaria* – Deshayes, 1864-*DescrCoqFoss*: 104. — Type locality: Bordeaux. — Type age: Miocene (Burdigalian). — Type material: MNHN.FA70860, syntype. Synonym of *Merica contorta* (Basterot, 1825) [*Cancellaria*] (Peyrot 1928: 206-208, pl. 12, fig. 41 as “1860”). — Current status: *Contortia contorta* (Basterot, 1825) (Cahuzac et al. 2004: 235-236).

*bifasciata*, *Cancellaria* – Deshayes, 1830a-*EncyMeth*: 181; 1843-*HistNatAnim2*: 413; 1843-*HistNatAnim3*: 647. — Type locality: none given. — Type age: Recent. — Type material: MNHN-IM-2000-2120, holotype. — Current status: synonym of the Indo-Pacific *Merica oblonga* (G. B. Sowerby I, 1825) [*Cancellaria*] (Petit & Harasewych 2005: 30).

*canaliculata*, *Cancellaria* – Deshayes, 1864-*DescrCoqFoss*: 97, 72, pl. 72, figs 26-28, *non* M. Hörnes, 1854. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 30567, syntype. *Cancellaria rhabdota* Bayan, 1873a (Bayan 1873a: 103-104), replacement name. Listed by Petit & Harasewych (2005: 34, 90). — Current status: *Unitas rhabdota* (Bayan, 1873) (Le Renard & Pacaud 1995: 121).

*crenulata*, *Cancellaria* – Deshayes, 1835-*DescrCoqFoss*: 501-502, 42, pl. 79, figs 31-33; 1843-*HistNatAnim2*: 429; 1843-*HistNatAnim3*: 653. 1864-*DescrCoqFoss*: 99. — Type localities: Rethuil & Cuise-la-Motte. — Type age: Eocene (Ypresian). Preoccupies *Cancellaria crenulata* A. Adams, 1855, which remains an unrenamed *nomen dubium* (Petit & Harasewych 2005: 41). — Current status: *Unitas crenulata* (Deshayes, 1835) (Le Renard & Pacaud 1995: 121).

*dactylosa*, *Rissoa* – Deshayes, 1861-*DescrCoqFoss*: 403, 22, pl. 22, figs 16-19. — Type locality: Aizy-Jouy. — Type age: Eocene (Ypresian). — Type species (OD) of *Pezantia* Cossmann, 1896. — Current status: *Pezantia dactylosa* (Deshayes, 1861) (Le Renard & Pacaud 1995: 100).

*delecta*, *Cancellaria* – Deshayes, 1864-*DescrCoqFoss*: 99. Replacement name for *Cancellaria elegans* Deshayes, 1835 (see below), *non* G. B. Sowerby I, 1821. Listed by Petit & Harasewych (2005: 43). — Current status: *Unitas delecta* (Deshayes, 1864) (Le Renard & Pacaud 1995: 121; Pacaud 2008: 71).

*dentifera*, *Cancellaria* – Deshayes, 1864-*DescrCoqFoss*: 98, 73, pl. 73, figs 8-10. — Type localities: Aizy-Jouy & Cuise-la-Motte. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 30576 syntype from Cuise-la-Motte. Listed by Petit & Harasewych (2005: 94). — Current status: *Unitasentifera* (Deshayes, 1864) (Le Renard & Pacaud 1995: 121; Pacaud 2008: 71).

*dubia*, *Cancellaria* – Deshayes, 1864-*DescrCoqFoss*: 105-106, 73, pl. 73, figs 25-27. — Type locality: Brasles. — Type age: Eocene (Lutetian). *Bonellitia dubia* (Deshayes, 1864) (Le Renard & Pacaud 1995: 121). Listed by Petit & Harasewych (2005: 47). — Current status: *Admetula dubia* (Deshayes, 1864) (Pacaud 2008: 71).

*elegans*, *Cancellaria* – Deshayes, 1835-*DescrCoqFoss*: 502, 42, pl. 79, figs 24-26, *non* G. B. Sowerby I, 1821; 1843-*HistNatAnim2*: 429-430; 1843-*HistNatAnim3*: 653-654. — Type localities: Thiverval-Grignon, Parnes & Senlis. — Type age: Eocene (Lutetian-Bartonian). — Type material: UCBL-EM 30553-30566, syntypes. Oddly, Crosse (1861) renamed Sowerby’s species as *Cancellaria reeveana* on the grounds of it being preoccupied by that of Deshayes, “1824” (Breure et al. 2022a: 189). Listed by Petit & Harasewych (2005: 48). *Cancellaria delecta* Deshayes, 1864, replacement name (see above).

*fusiformis*, *Cancellaria* – Deshayes, 1864-*DescrCoqFoss*: 102-103, 72, pl. 72, figs 31-32, *non* Cantraine, 1835. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). Listed by Petit & Harasewych (2005: 53). — Current status: *Unitas beui* Le Renard, 1994 (Le Renard 1994: 38), replacement name (Le Renard & Pacaud 1995: 121; Pacaud 2008: 71).

*granifera*, *Cancellaria* – Deshayes, 1830a-*EncyMeth*: 183; 1835-*DescrCoqFoss*: 500-501, 42, pl. 79, figs 34-35. — Type localities: Thiverval-Grignon & Parnes. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 30549-30552 & 30600-30603, syntypes from Thiverval-Grignon. Listed by Petit & Harasewych (2005: 55). — Current status: synonym of *Unitas suturalis* (G. B. Sowerby, I, 1822) (Pacaud herein).

*interrupta*, *Cancellaria* – Deshayes, 1864-*DescrCoqFoss*: 100, 73, pl. 73, figs 5-7. — Type locality: Aizy-Jouy. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 30577-30579, syntypes. Listed by Petit & Harasewych (2005: 59). — Current status: *Unitas interrupta* (Deshayes, 1864) (Le Renard & Pacaud 1995: 121).

*lactea*, *Cancellaria* – Deshayes, 1830a-*EncyMeth*: 180-181; 1843-*HistNatAnim2*: 412; 1843-*HistNatAnim3*: 647. — Type locality: none given. — Type age: Recent. — Type material: MNHN-IM-2000-2150, syntype. — Current status: the Australian *Sydaphera lactea* (Deshayes, 1830) (Wilson 1994: 174, pl. 37, fig. 23, as *Cancellaria*; Petit & Harasewych 2005: 62).

*milletii*, *Cancellaria* – Deshayes, 1830a-*EncyMeth*: 181. — Type locality: Angers. — Type age: Miocene (Petit & Harasewych, 2005: 70). Does not preoccupy *Cancellaria (Merica) milletii* Brébion (1964: 522), which is unavailable, having appeared in an unpublished thesis (Landau *et al.* 2019: 142). — Current status: *taxon inquirendum*.

*nana*, *Cancellaria* – Deshayes, 1864-*DescrCoqFoss*: 106-107, 73, pl. 73, figs 11-12. — Type localities: Laversine, Retheuil & Mercin-et-Vaux. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 30597-30599, syntypes from Laversine or Mercin-et-Vaux. Listed by Petit & Harasewych (2005: 74). — Current status: *Sveltella nana* (Deshayes, 1864) (Le Renard & Pacaud 1995: 121; Pacaud 2008: 71).

*obtusata*, *Cancellaria* – Deshayes, 1830a-*EncyMeth*: 187-188; 1843-*HistNatAnim2*: 417; 1843-*HistNatAnim3*: 649; 1838-*RegAnim*: pl. 52, fig. 6, 6a; 1849-*DictUnivAtlas*: 6, pl. 21, fig. 4. — Type locality: none given. — Type age: Recent. — Type material: NHMUK 1964454, holotype. — Current status: the Panamic *Cancellaria (Massyla) obtusata* (Deshayes, 1830) (Keen 1971: 654; Petit & Harasewych 2005: 76; Landau *et al.* 2012: 225).

*ornata*, *Cancellaria* – Deshayes, 1864-*DescrCoqFoss*: 101, 73, pl. 73, figs 19-20. — Type locality: Cuisy-en-Almont. — Type age: Eocene (Ypresian). Listed by Petit & Harasewych (2005: 77). — Current status: *Unitas ornata* (Deshayes, 1864) (Le Renard & Pacaud 1995: 121).

*quantula*, *Cancellaria* – Deshayes, 1864-*DescrCoqFoss*: 106, 72, pl. 72, figs 29-30. — Type localities: Thiverval-Grignon, Parnes & Chaussy. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 30582-30596, syntypes. — Type species (OD) of *Sveltella* Cossmann, 1889. Listed by Petit & Harasewych (2005: 18, 88). — Current status: synonym of *Sveltella biplicata* (Lamarck, 1803) (Le Renard & Pacaud 1995: 121; Pacaud 2008: 71).

*scabra*, *Cancellaria* – Deshayes, 1830a-*EncyMeth*: 190; 1843-*HistNatAnim2*: 425; 1843-*HistNatAnim3*: 652. — Type locality: Plaisantin. — Type age: Pliocene (Piacenzian-Zanclean). Listed by Petit & Harasewych (2005: 92). — Current status: synonym of *Trigonostoma umbilicare* (Brocchi, 1814) (Brunetti *et al.* 2011: 112).

*separata*, *Cancellaria* – Deshayes, 1864-*DescrCoqFoss*: 97-98, 72, pl. 72, figs 20-22. — Type localities: Thiverval-Grignon, Parnes, Chaussy, Damery & Saint-Félix. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 30568-30575, syntypes. Listed by Petit & Harasewych (2005: 42). — Current status: *Unitas separata* (Deshayes, 1864) (Le Renard & Pacaud 1995: 121; Pacaud 2008: 71).

*speciosa*, *Cancellaria* – Deshayes, 1864-*DescrCoqFoss*: 100-101, 73, pl. 73, figs 1-3. — Type locality: Vregny. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 30580, holotype. Listed by Petit & Harasewych (2005: 96). — Current status: *Unitas speciosa* (Deshayes, 1864) (Le Renard & Pacaud 1995: 121).

*spectabilis*, *Cancellaria* – Deshayes, 1864-*DescrCoqFoss*: 102, 72, pl. 72, figs 23-25. — Type locality: Mouchy-le-Châtel. — Type age:

Eocene (Lutetian). — Type material: UCBL-EM 30581, holotype. Listed by Petit & Harasewych (2005: 96). — Current status: *Unitas spectabilis* (Deshayes, 1864) (Le Renard & Pacaud 1995: 121; Pacaud 2008: 71).

*spengleriana*, *Cancellaria* – Deshayes, 1830a-*EncyMeth*: 185-186; 1843-*HistNatAnim2*: 415; 1843-*HistNatAnim3*: 648. — Type locality: none given; Lisbonne collection. — Type age: Recent. — Type material: MNHN-IM-2000-2174, holotype. — Type species (OD) of *Sydaphera* Iredale, 1929, through the synonymy of *Sydaphera renovata* Iredale, 1929. — Current status: the Japanese *Sydaphera spengleriana* (Deshayes, 1830) (Qi 2004: 109, pl. 66, fig. B; Petit & Harasewych 2005: 18, 96; Okutani 2017: 1053, pl. 343, fig. 2).

*striatulata*, *Cancellaria* – Deshayes, 1835-*DescrCoqFoss*: 503, 42 [as *C. "striatula"*], pl. 79, figs 29-30; 1837-*DescrCoqFoss*: 814, correction noted; 1843-*HistNatAnim2*: 428-429; 1843-*HistNatAnim3*: 653; 1864-*DescrCoqFoss*: 106. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). *Bonellita striatulata* (Deshayes, 1835) (Le Renard & Pacaud 1995: 121). Listed by Petit & Harasewych (2005: 98). — Current status: *Admetula striatulata* (Deshayes, 1835) (Pacaud 2008: 71).

*turriculatum*, *Triton* – Deshayes, 1835b: 187-188, pl. 19, figs 58-60, *non* Deshayes, 1835-*DescrCoqFoss* [p. 608] (see below). — Type locality: Peloponnese Peninsula, Greece. — Type age: Recent. — Current status: synonym of *Cumia intertexta* (Helbling, 1779) [*Murex (Fusus)*] (MolluscaBase).

*turriculatum*, *Triton* – Deshayes, 1835-*DescrCoqFoss*: 608, 42, pl. 80, figs 7-12 [figs 10-12 not cited in text; 1837]: 813 [correction made], *non* Deshayes, 1835b (see above); 1865-*DescrCoqFoss*: 312. — Type localities: Thiverval-Grignon, Mantes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). *Plesiotriton deshayesianus* Beu & P. A. Maxwell, 1987, replacement name. The latter is the type species (OD) of *Colubratrium* Pacaud, Ledon & Loubry, 2015. Exact dates of both Deshayes' 1835 works unknown, so either could have been replaced. — Current status: *Colubratrium deshayesianus* (Beu & P. A. Maxwell, 1987) (Beu & Maxwell 1987: 25-26, pl. 23, figs a-e, h; Pacaud *et al.* 2015: 85-86, fig. 4, pl. 11, figs 1-5).

*uniangulata*, *Cancellaria* – Deshayes, 1830a-*EncyMeth*: 181-182; 1843-*HistNatAnim2*: 423; 1843-*HistNatAnim3*: 651. — Type locality: Asti. — Type age: Pliocene (Piacenzian-Zanclean). — Current status: *Tribia uniangulata* (Deshayes, 1830) (Petit & Harasewych 2005: 110; Brunetti *et al.* 2011: 126; Koskeridou *et al.* 2017: 270, fig. 2, 272).

*asperula*, *Cancellaria* “Deshayes” – Deshayes in Guérin-Méneville, 1835: pl. 17, fig. 3; *Cancellaria asperella* “Deshayes”. Deshayes, in: 1844: 33, error *C. asperella* Lamarck, 1822, correctly credited in Guérin-Méneville & Deshayes (1868).

*elegans*, *Triton* – Leymerie, 1841: 320, *nomen nudum*; 1842: 14, 31, pl. 17, fig. 13a-b, *ex* Deshayes ms, *non Triton (Pusio) elegans* J. E. Gray, in Griffith & Pidgeon, 1833. — Type locality: Courtaoult. — Type age: Cretaceous (Albian). Secondary homonym of *Fusus elegans* Lamarck, 1803; *Fusus elegans* J. de C. Sowerby, 1824; *Fusus elegans* T. Brown, 1827; and other species, when d'Orbigny placed Deshayes' and other species into *Fusus*. *Fusus subelegans* d'Orbigny, 1850b (d'Orbigny 1850b: 133, no. 180, citing Deshayes' species under his own treatment in the *Paléontologie Française*, and as “*non* T. Brown, 1827”), replacement name. Listed in Snyder (2022: 77). Use of the replacement name *Fusus subelegans* d'Orbigny, 1850, by many authors, makes the secondary homonym permanently invalid (ICZN Code Art. 59.3). — Current status: *Paladmete subelegans* (d'Orbigny, 1850) (Kollmann 2005: 147), which preoccupies *Paladmete subelegans* Stephenson, 1941.



Family BUCCINIDAE Rafinesque, 1815

*Argobuccinum* – Deshayes, 1830a-EncyMeth: 64. Unavailable; not treated as valid (ICZN Code Art. 11.5). Made available by Hermannsen, 1846.

*Baccinum* – Deshayes, 1830a-EncyMeth: 141. Incorrect subsequent spelling of *Buccinum* Linnaeus, 1758.

*Buccinulum* – Deshayes, 1830a-EncyMeth: 143. — Type species (SD Iredale, 1921): *Murex lineatus* Gmelin, 1791. Listed without description or species but placed on Official List by ICZN Opinion 479 (1957b). Species list supplied by Swainson (1837). — Current status: valid type genus of the Buccinulidae Finlay, 1928, now regarded as a subfamily of Buccinidae.

*ambiguum*, *Buccinum* – Deshayes, 1835-DescrCoqFoss: 653, 45, pl. 87, figs 11-14, “non Montagu”, but actually *non* Solander, in Brander, 1766, *nec* Pulteney, 1799; 1865-DescrCoqFoss: 503. — Type localities: Rethueil & Cuise-la-Motte. — Type age: Eocene (Ypresian). Renamed as *Buccinum subambiguum* d’Orbigny, 1850b (d’Orbigny 1850b: 320, no. 421). — Current status: *Eocantharus subambiguus* (d’Orbigny, 1850) (Vermeij 2001: 297; Pacaud 2007: 43).

*bervillei*, *Fusus* – Deshayes, 1864-DescrCoqFoss: 85, pl. 85, figs 8-10; 1865-DescrCoqFoss: 274. — Type locality: Passy (Paris). — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32768, syntype. *Siphonalia bervillei* (Deshayes, 1864) (Le Renard & Pacaud 1995: 116; Pacaud 2008: 62; Snyder 2022: 35-36).

*bicarinatus*, *Fusus* – Deshayes, 1835-DescrCoqFoss: 564-565, 40, pl. 76, figs 3-4, *non* I. Lea, 1833; 1843-HistNatAnim2: 499-500; 1843-HistNatAnim3: 678-679; 1865-DescrCoqFoss: 286. — Type localities: Beynes & Parnes. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32843, syntype from Beynes. — Current status: *Fusus ditropis* Bayan, 1870 (Bayan 1870: 53), replacement name. *Editharus ditropis* (Bayan, 1870) (Vermeij 2001: 298, fig. 1.13-14; Pacaud 2008: 61; Snyder 2022: 36).

*blainvillei*, *Buccinum* – Deshayes, 1832b: 428-429, 439, 523, pl. 2, figs 1-2. — Type locality: Malabar, India; Bélanger. — Type age: Recent. — Current status: synonym of *Phos (Strongylocera) textum* (Gmelin, 1791) (Wilson 1994: 66, pl. 10, fig. 31a-b), or valid species, *Phos blainvillei* (Deshayes, 1832) (Fraussen, in Poppe 2008b: 48, pl. 319, fig. 11).

*brevicauda*, *Fusus* – Deshayes, 1832-EncyMeth: 159-160. — Type locality: North Sea. — Type age: Recent. — Type material: MNHN-IM-2000-6465, holotype. — Type species, through the synonymy of *Fusus spitzbergensis* Reeve, 1855 (OD), of *Aulacofusus* Dall, 1918. Preoccupies the Oligocene *Fusus brevicauda* Philippi, 1847, which was renamed *Pseudoneptunea sinodonia* Wrigley, 1953 (Coan & Kabat 2017: 174). — Current status: *Aulacofusus brevicauda* (Deshayes, 1832) (Boucher & Warén 1985: 202, figs 404, 456, 528-529, as *Neptunea*; Kantor & Sysoev 2005: 129; Fraussen & Terryn 2007: 40; Snyder 2022: 40).

*costatum*, *Buccinum* – Deshayes, 1835b: 197-198, pl. 25, figs 12-13, *non* Linnaeus, 1758, *nec* Quoy & Gaimard, 1833. *Murex pseudocostatus* d’Orbigny, 1852 (d’Orbigny 1852: 174, no. 188), replacement name, but as *non* *Murex costatum* Born, 1778 (E. H. Vokes 1971: 86). All three *Buccinum* names preoccupy Golikov, 1980, which has been renamed *Buccinum gulbini* Kantor, Sirenko, Zvonareva & Fedosov, 2022. — Type locality: Peloponnese Peninsula, Greece. — Type age: Subapennine Formation, Pliocene. — Current status: *taxon inquirendum*.

*costellifer*, *Fusus* – Deshayes, 1835-DescrCoqFoss: 558-559, 40, pl. 76, figs 27-28; 1843-HistNatAnim2: 496-497; 1843-HistNatAnim3: 677-678; 1865-DescrCoqFoss: 283-284. — Type locality:

Rethueil. — Type age: Eocene (Ypresian). *Cantharus (Eocantharus) costellifer* (Deshayes, 1835) (Le Renard & Pacaud 1995: 115; Snyder 2022: 61). — Current status: *Eocantharus costellifer* (Deshayes, 1835) (Vermeij 2001: 297).

*costuosus*, *Fusus* – Deshayes, 1864-DescrCoqFoss: 84, pl. 84, figs 4-6 [given in text as figs 3-6]; 1865-DescrCoqFoss: 271-272, 666 [error corrected]. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32758, syntype. — Current status: *Suessionia costuosa* (Deshayes, 1864) (Le Renard & Pacaud 1995: 116; Pacaud 2008: 61; Snyder 2022: 61).

*cylindraceum*, *Buccinum* – Deshayes, 1865-DescrCoqFoss: 505, 93, pl. 93, figs 24-26. — Type locality: Aizy-Jouy. — Type age: Eocene (Ypresian). — Type species (M) of *Euryochetus* Cossmann, 1896. — Current status: *Euryochetus cylindraceus* (Deshayes, 1865) (Le Renard & Pacaud 1995: 115) [genus unassigned within Buccinoidea].

*deceptus*, *Fusus* – Deshayes, 1835-DescrCoqFoss: 552, 40, pl. 76, figs 7-9, ex Defrance ms.; 1865-DescrCoqFoss: 504 (*Buccinum*), 94, pl. 94, figs 17-20. — Type localities: Abbécourt, Noailles & Beauvais. — Type age: Paleocene (Thanetian). *Cantharus (Eocantharus) deceptus* (Deshayes, 1835) (Le Renard & Pacaud 1995: 115, as “Defance, in Deshayes”; Snyder 2022: 67). — Current status: *Eocantharus deceptus* (Deshayes, 1835) (Vermeij 2001: 297).

*decipiens*, *Fusus* – Deshayes, 1864-DescrCoqFoss: 84, pl. 84, figs 20-21; 1865-DescrCoqFoss: 288-289. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32763, syntype. *Euthria decipiens* (Deshayes, 1864) (Le Renard & Pacaud 1995: 115; Pacaud 2008: 61; Snyder 2022: 68). — Current status: *Pseudomazzalina decipiens* (Deshayes, 1864) (Courville *et al.* 2012: 66, pl. 7, fig. 5).

*derelictum*, *Buccinum* – Deshayes, 1865-DescrCoqFoss: 95, pl. 95, figs 10-11; 667, error noted: regarded and figured as a variety of *Buccinum andrei* (Basterot, 1825) [*Nassa*]. — Type locality: none given. — Type age: Eocene (Lutetian). — Current status: synonym of *Eocantharus subandrei* (d’Orbigny, 1850b: 420, no. 1555, as *Buccinum*), a new species based on Deshayes interpretation of Basterot’s species, with *Buccinum derelictum* Deshayes, 1865, also regarded as a synonym.

*exiguus*, *Fusus* – Deshayes, 1835-DescrCoqFoss: 546, 40, pl. 76, figs 16-18; 1865-DescrCoqFoss: 269. — Type locality: Rethueil. — Type age: Eocene (Ypresian). — Type species (OD) of *Suessionia* Cossmann, 1889. — Current status: *Suessionia exigua* (Deshayes, 1835) (Le Renard & Pacaud 1995: 116; Lozouet 2021a: 7, pl. 1, fig. 14; Snyder 2022: 80).

*funiculosa*, *Fasciolaria* – Deshayes, 1835-DescrCoqFoss: 508, 41, pl. 79, figs 12-13; 1843-HistNatAnim2: 438-439; 1843-HistNatAnim3: 657; 1865-DescrCoqFoss: 296. — Type locality: Beynes. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32332, holotype. *Janiopsis funiculosa* (Deshayes, 1835) (Le Renard & Pacaud 1995: 117; Pacaud 2008: 62; Snyder 2022: 87). — Current status: *Jania funiculosa* (Deshayes, 1835) (Pacaud 2015d: 27). *Janiopsis funiculosa* (Deshayes, 1835) (Pacaud 2016a: 6).

*fusifforme*, *Buccinum* – Deshayes, 1835-DescrCoqFoss: 653-654, 45, pl. 87, figs 15-17, *non* Borson, 1820; 1865-DescrCoqFoss: 499-500. — Type localities: Thiverval-Grignon, Senlis & Valmondois. — Type age: Eocene (Lutetian-Bartonian). — Current status: synonym of *Pseudocominella armata* (J. de C. Sowerby, 1850) (Nuttall & Cooper 1973: 193, pl. 3, figs 1-8).

*fusiopsis*, *Buccinum* – Deshayes, 1865-DescrCoqFoss: 499-500. Replacement name for *Buccinum fusiforme* Deshayes, 1835, *non* Borson, 1820. — Current status: synonym of *Pseudocominella armata* (J. de C. Sowerby, 1850) (Nuttall & Cooper 1973: 193, pl. 3, figs 1-8).

*heberti*, *Purpura* – Deshayes, 1865-*DescrCoqFoss*: 521, 94, pl. 94, figs 21-22. — Type localities: Jeurre & Etréchy. — Type age: Oligocene (Rupelian). — Current status: *Editharus heberti* (Deshayes, 1865) (Lozouet & Maestrati 2012a: 286, fig. 186: 25-28).

*herouvallesis*, *Fusus* – Deshayes, 1865-*DescrCoqFoss*: 279-280, 86, pl. 86, figs 29-31. — Type locality: Hérouval. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32778, syntypes. *Janiopsis herouvallesis* (Deshayes, 1865) (Le Renard & Pacaud 1995: 117; Snyder 2022: 99). Synonym of *Jania heberti* (Watelet, 1851) (Pacaud 2015d: 27). — Current status: *Janiopsis heberti* (Watelet, 1851) (Pacaud 2016a: 6).

*humilis*, *Fusus* – Deshayes, 1864-*DescrCoqFoss*: 84, pl. 84, figs 22-24; 1865-*DescrCoqFoss*: 269. — Type localities: Thiverval-Grignon, Houdan, Parnes, Le Vivray, Gisors, Montmirail & Damery. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32764, syntype from Gisors. *Coptochetus humilis* (Deshayes, 1864) (Snyder 2022: 102). — Current status: synonym of *Suessionia asperula* (Lamarck, 1803) (Le Renard & Pacaud 1995: 116; Pacaud 2008: 61).

*interstriatus*, *Fusus* – Deshayes, 1864-*DescrCoqFoss*: 85, pl. 85, figs 13-16; 1865-*DescrCoqFoss*: 275-276. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32769, syntype. *Cantharus (Eocantharus) interstriatus* (Deshayes, 1864) (Le Renard & Pacaud 1995: 115). — Current status: *Eocantharus interstriatus* (Deshayes, 1864) (Vermeij 2001: 297; Pacaud 2008: 61; Snyder 2022: 107).

*jucundus*, *Fusus* – Deshayes, 1864-*DescrCoqFoss*: 84, pl. 84, figs 28-30; 1865-*DescrCoqFoss*: 265-266. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Type species (OD) of *Tortisipho* Cossmann, 1889. — Current status: *Tortisipho jucundus* (Deshayes, 1864) (Le Renard & Pacaud 1995: 116; Pacaud 2008: 61; Snyder 2022: 109).

*minor*, *Turbinella* – Deshayes, 1864-*DescrCoqFoss*: 83, pl. 83, figs 15-16; 1865-*DescrCoqFoss*: 293-294. — Type locality: Noailles. — Type age: Paleocene (Thanetian). *Janiopsis minor* (Deshayes, 1865) (Le Renard & Pacaud 1995: 117; Snyder 2022: 131). *Jania minor* (Deshayes, 1865) (Pacaud 2015d: 27). *Janiopsis minor* (Deshayes, 1865) (Pacaud 2016a: 6).

*mirabilis*, *Truncaria* – Deshayes, 1865-*DescrCoqFoss*: 511, 93, as *Buccinopsis mirabilis*, pl. 93, figs 29-32. — Type locality: Auvers-sur-Oise. — Type age: Eocene (Bartonian). — Current status: *nomen dubium*.

*multistriata*, *Voluta* – Deshayes, 1835-*DescrCoqFoss*: 705, 49, pl. 95, figs 1-3 [fig. 3 not cited in text; 1837-*DescrCoqFoss*: 813, correction noted]; 1865-*DescrCoqFoss*: “605” [615]. — Type locality: Retheuil. — Type age: Eocene (Ypresian). — Type material: MLPAL-21114, holotype. — Current status: *Euryochetus multistriatus* (Deshayes, 1835) (Le Renard & Pacaud 1995: 115).

*muricinus*, *Fusus* – Deshayes, 1864-*DescrCoqFoss*: 85, pl. 85, figs 17-19; 1865-*DescrCoqFoss*: 277-278, *non* Anton, 1838. — Type localities: Thiverval-Grignon, Parnes, Hérouval, Chaussy, Mouchy-le-Châtel & Chambors. — Type age: Eocene (Lutetian). *Fusus axestus* Bayan, 1873a (Bayan 1873a: 112), replacement name. *Cantharus (Eocantharus) axestus* (Bayan, 1873) (Le Renard & Pacaud 1995: 115). — Current status: *Cantharus (Eocantharus) muricinus* (Deshayes, 1864) (Snyder 2022: 136). *Eocantharus axestus* (Bayan, 1873) (Vermeij 2001: 297; Pacaud 2008: 61)

*neglectus*, *Fusus* – Deshayes, 1864-*DescrCoqFoss*: 84, pl. 84, figs 7-9; 1865-*DescrCoqFoss*: 276. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). *Tritonidea neglectus* (Deshayes, 1864) (Snyder 2022: 137). *Suessionia asperula* [Lamarck, 1803] *neglecta* (Deshayes, 1864) (Le Renard & Pacaud 1995: 115). — Current status: *Suessionia neglecta* (Deshayes, 1864) (Pacaud 2008: 61).

*parisiensis*, *Turbinella* – Deshayes, 1834-*DescrCoqFoss*: 496, 41, pl. 79, figs 14-15; 1843-*HistNatAnim2*: 397-398; 1843-*HistNatAnim3*: 642; 1865-*DescrCoqFoss*: 293. — Type localities: Valmondois, Mary-sur-Marne & Tancrou. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32841, syntype. *Janiopsis parisiensis* (Deshayes, 1834) (Le Renard & Pacaud 1995: 117; Pacaud 2008: 62; Snyder 2022: 148). — Current status: *Jania parisiensis* (Deshayes, 1834) (Pacaud 2015d: 27), now again *Janiopsis parisiensis* (Deshayes, 1834) (Pacaud 2016a: 6).

*quoositum*, *Buccinum* – Deshayes, 1865-*DescrCoqFoss*: 503, 93, pl. 93, figs 9-12. — Type localities: Châlons-sur-Vesle, Brimont, Jonchery-sur-Vesle & Gueux. — Type age: Paleocene (Thanetian). — Current status: synonym of *Thanetina bicorona* (Melleville, 1843) [*Buccinum*] (Cossmann 1889: 134, as “*bicornata*”, an unjustified emendation).

*rigaulti*, *Fusus* – Deshayes, 1865-*DescrCoqFoss*: 284, 86, pl. 86, fig. 18. — Type locality: Caumont. — Type age: Eocene (Bartonian). *Cantharus (Endopachychilus) rigaulti* (Deshayes, 1865) (Le Renard & Pacaud 1995: 115; Snyder 2022: 166). — Current status: *Endopachychilus rigaulti* (Deshayes, 1865) (Vermeij 2001: 297).

*saturus*, *Fusus* – Deshayes, 1843-*HistNatAnim2*: 478; 1843-*HistNatAnim3*: 670-671, *ex* Martyn ms. — Type locality: “Australia”. — Type age: Recent. — Current status: synonym of the North Atlantic *Neptunea ventricosa* (Gmelin, 1791) [*Murex*], as both are based on the same figure from Martyn (1784) (K. Fraussen, pers. comm. to P. Bouchet, June 11, 2020).

*semplificatus*, *Fusus* – Deshayes, 1835-*DescrCoqFoss*: 554-555, 40, pl. 76, figs 37-38, 41, pl. 78, figs 1-2; 1843-*HistNatAnim2*: 497-498; 1843-*HistNatAnim3*: 678; 1865-*DescrCoqFoss*: 285. — Type localities: Retheuil & Cuisse-la-Motte. — Type age: Eocene (Ypresian). *Cantharus (Polia) simplificatus* (Deshayes, 1835) (Le Renard & Pacaud 1995: 115). — Current status: *Endopachychilus simplificatus* (Deshayes, 1835) (Vermeij 2001: 297; Snyder 2022: 178).

*sinistrorsus*, *Fusus* – Deshayes, 1832-*EncyMeth*: 160-161; 1843-*HistNatAnim2*: 474-475; 1843-*HistNatAnim3*: 669; 1853-*TraitElem*: 65, pl. 109, fig. 8. — Type localities: Mediterranean or Indian Ocean. — Type age: Recent. — Type material: MNHN-IM-2000-6439, syntype. — Current status: synonym of the North Atlantic *Neptunea contraria* (Linnaeus, 1771) [*Murex*] (Bouchet & Warén 1985: 203; Fraussen & Terryn 2007: 41; Nolf & Kreps 2009: 4-5, pl. 42, figs 237-239, pl. 43, figs 240-242; Snyder 2022: 188).

*sulcatus*, *Fusus* – Deshayes, 1835-*DescrCoqFoss*: 553-554, 40, pl. 76, figs 1-2, *non* Lamarck, 1816; 1865-*DescrCoqFoss*: 284. — Type localities: Soissons & Retheuil. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 33175-176, syntypes. *Cantharus (Polia) wenzi* Le Renard, 1994 (Le Renard 1994: 37), replacement name (Le Renard & Pacaud 1995: 115; Snyder 2022: 193-194). However, the replacement name was unnecessary because there was an available synonym. — Current status: synonym of *Tritonidea albasiensis* Doncieux, 1908, now *Endopachychilus albasiensis* (Doncieux, 1908) (Pacaud herein).

*turritellatus*, *Fusus* – Deshayes, 1835b: 174-175 [p. 175 misnumbered as 275], pl. 19, figs 28-30, 43-45; 1843-*HistNatAnim2*: 473; 1843-*HistNatAnim3*: 669. — Type locality: Peloponnese Peninsula, Greece. — Type age: Recent. — Current status: *Chauvetia turritellata* (Deshayes, 1835) (Sabelli *et al.* 1990: 194; Cosignani & Ardochini 2011: 28, 290; Brunetti *et al.* 2017: 16-18, fig. 4C-G; Alf & Haszprunar, in Alf *et al.* 2020: 169, pl. 138).

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*emarginatus*, *Fusus* – Cossmann, 1889, ex Deshayes ms. Introduced in the synonymy of *Siphonalia speciosa* (Deshayes, 1864) and therefore unavailable (Snyder, 2022: 78).

*laciniatus*, *Murex* – Deshayes, 1843-HistNatAnim2: 591, ex Martyn ms. Sherborn (1927: 3342) credited Deshayes with this name, but it was first made available by Dillwyn (1817) as *Buccinum laciniatum*, ex Martyn ms, now considered to be a synonym of *Trophon plicatus* (Lightfoot, 1786) [*Murex*].

#### Family COLUBRARIIDAE Dall, 1904

*dissimilis*, *Fusus* – Deshayes, 1864-DescrCoqFoss: 84, pl. 84, figs 13-14; 1865-DescrCoqFoss: 253. — Type localities: Acyen-Multien, Mary-sur-Marne & Caumont. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32760, syntype from Caumont. *Coluzea dissimilis* (Deshayes, 1864) (Le Renard & Pacaud 1995: 117; Snyder 2022: 72). — Current status: *Falsifusus dissimilis* (Deshayes, 1864) (Vermeij & Snyder 2018: 74).

*gothicus*, *Fusus* – Deshayes, 1835-DescrCoqFoss: 518-519, 39, pl. 74, figs 9-10; 1843-HistNatAnim2: 492; 1843-HistNatAnim3: 676; 1865-DescrCoqFoss: 254. — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32317, syntype from Parnes. *Coluzea gothicus* (Deshayes, 1835) (Le Renard & Pacaud 1995: 118; Pacaud 2008: 62). — Type species (OD) of *Denticulofusus* Vermeij & Pacaud 2019. — Current status: *Denticulofusus gothicus* (Deshayes, 1835) (Vermeij & Pacaud 2019: 117-120, fig. 1; Snyder 2022: 93).

*inaequiliratum*, *Buccinum* – Deshayes, 1865-DescrCoqFoss: 502, 93, pl. 93, figs 18-20. — Type localities: Caumont & La Ferté-sous-Jouarre. — Type age: Eocene (Bartonian). — Current status: *Metula (Celatoconus) inaequilirata* (Deshayes, 1865) (Le Renard & Pacaud 1995: 115).

*intermedium*, *Buccinum* – Deshayes, 1835-DescrCoqFoss: 649-650, 45, pl. 87, figs 1-3, non Brocchi, 1814; 1844-HistNatAnim2: 209-210. — Type localities: Thiverval-Grignon & Parnes. — Type age: Eocene (Lutetian). *Buccinum subintermedium* d'Orbigny, 1850b (d'Orbigny 1850b: 369, no. 633), replacement name. *Buccinum intermedium* de Christofori & Jan, 1832, is a *nomen nudum*. *Metula (Celatoconus) subintermedia* (d'Orbigny, 1850) (Le Renard & Pacaud 1995: 115; Pacaud 2007: 43). — Current status: synonym of *Pisania (Celatoconus) subdecussata* (d'Orbigny, 1850) (Pacaud herein).

*serratus*, *Fusus* – Deshayes, 1825-DictClass: [80], fig. 3; 1825-DictClass7: 89; 1831-DictClass17: 119; 1832-EncyMeth: 153; 1835-DescrCoqFoss: 513-514, 39, pl. 73, figs 12-13 [in text, pl. 75 cited in error]; 1837-DescrCoqFoss: 813 [correction made]; 1843-HistNatAnim2: 490-491; 1843-HistNatAnim3: 675; 1865-DescrCoqFoss: 253-254. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32312, syntypes. — Current status: *Coluzea serratus* (Deshayes, 1825) (Le Renard & Pacaud 1995: 117; Pacaud 2008: 62, as “1824”; Snyder 2022: 179).

*unicarinatus*, *Fusus* – Deshayes, 1835-DescrCoqFoss: 515-516, 38, pl. 72, figs 11-12; 1865-DescrCoqFoss: 252-253. — Type localities: Retheuil, Soissons & Cuise-la-Motte. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32310, syntype from Retheuil. Preoccupies the Magellanic *Fusus uncarinatus* Philippi, 1868, which was renamed *Tromia dispectata* Dell, 1990 (Coan & Kabat 2017: 186). — Current status: *Coluzea uncarinata* (Deshayes, 1835) (Le Renard & Pacaud 1995: 117; Snyder 2022: 208). *Falsifusus uncarinatus* (Deshayes, 1864) (Vermeij & Snyder 2018: 74).

#### Family COLUMBELLIDAE Swainson, 1840

*angustum*, *Triton* – Deshayes, 1835-DescrCoqFoss: 609-610, 47, pl. 91, figs 7-9; 1865-DescrCoqFoss: 312. — Type locality: Retheuil. — Type age: Eocene (Ypresian). — Type material: ML-PAL-17916, 15 syntypes. — Current status: *Mitrella (Columbellopsis) angusta* (Deshayes, 1835) (Le Renard & Pacaud 1995: 114).

*festiva*, *Columbella* – Deshayes, 1833d: 66, pl. 65, figs 39-41. — Type locality: northern Red Sea. — Type age: Recent. — Type material: MNHN-IM-2000-6909, syntype. — Current status: *Euplica festiva* (Deshayes, in Laborde, 1833) (Drivas & Jay 1997: 28; Dekker & Orlin 2000: 28; Rusmore-Villaume 2008: 102-103).

*hanleyi*, *Columbella* – Deshayes, 1863: 131-132, pl. 13, figs 8-10. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-6895, neotype. — Current status: *Mitrella floccata* [Reeve, 1859] *hanleyi* (Deshayes, 1863) (Drivas & Jay 1990: 173-174, fig. 16, as full species).

*pallida*, *Columbella* – Deshayes, 1844-HistNatAnim2: 278-279. New name for *Columbella nana* Kiener, 1841 (Kiener 1841: 53-54, pl. 14, fig. 4), actually *Duclos* (1840: pl. 8, figs 4-8). No locality indicated. — Type age: Recent. Preoccupies *Columbella pallida* Philippi, 1846, an unrecognized Panamic species (Coan & Kabat 2017: 178). — Current status: synonym of the Indo-Pacific *Euplica varians* (G. B. Sowerby I, 1832) [*Columbella*] (Drivas & Jay 1990: 168-169, 173, fig. 7; Severns 2011: 258, pl. 112, figs 5-6).

*ringens*, *Purpura* – Deshayes, 1865-DescrCoqFoss: 521-522, 94, as *Ricimula ringens*, pl. 94, figs 28-30. — Type localities: Auvers-sur-Oise & Le Fayel. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 30606, lectotype from Bombiers, Le Fayel (Pacaud 2017b); EM 30608, paralectotype. *Drupa ringens* (Deshayes, 1865) (Le Renard & Pacaud 1995: 114). — Type species (OD) of *Trahaldia* Pacaud, 2017b. — Current status: *Trahaldia ringens* (Deshayes, 1865) (Pacaud 2017b: 4, pl. 1, figs 1-5; pl. 2, figs 1-8, showing residual colour patterns; Pacaud 2022a: 160, 1 fig.).

*unifascialis*, *Columbella* – Deshayes, 1844-HistNatAnim2: 273-274. — Type locality: L'île de France [Mauritius]. — Type age: Recent. Not to be confused with *Columbella unifasciata* G. B. Sowerby, 1832, which does not preoccupy this species. — Current status: *taxon inquirendum*.

#### Family FASCIOLARIIDAE J. E. Gray, 1853

*acutiformis*, *Fusus* – Deshayes, 1835a: 322, *nomen nudum* (Snyder 2022: 19).

*acutus*, *Fusus* – Deshayes, 1844-RegAnim: pl. 60, fig. 1, non *Fusus vesiculosus acutus* Lyngbye, 1819, nec I. Lea, 1833. — Type locality: none given. — Type age: Recent? — Current status: *Fusus acutus* Deshayes, 1844 (Berge 1847: 227, pl. 37, fig. 4, without a locality; Snyder 2022: 18), but a new name would be required.

*approximatus*, *Fusus* – Deshayes, 1865-DescrCoqFoss: 262. — Type localities: Beynes & Thiverval-Grignon. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32701, syntype. Referred to 1834-DescrCoqFoss: 39, pl. 73, figs 10-11. *Fusus intortus* Lamarck, 1803, var. a. — Current status: *Streptochetus approximatus* (Deshayes, 1865) (Le Renard & Pacaud 1995: 117; Pacaud 2008: 62; Snyder 2022: 28).

*biangulatus*, *Fusus* – Deshayes, 1833: 66, pl. 65, figs 13-14. — Type locality: northern Red Sea. — Type age: Recent. — Type material: MNHN-IM-2000-6469, 2 alleged syntypes. However, the “syntypes” are probably a different species, and the original material has been

lost (Bouchet, in Lyons & Snyder 2019). One of these specimens was figured by Mallard & Robin (2017). — Current status: synonym of *Marmorofusus polygonooides* (Lamarck, 1822) [*Fusus*] (Lyons & Snyder 2019: 23-29, figs 30-40; Snyder 2022: 36).

*bifidus*, *Fusus* – Deshayes, 1835-*DescrCoqFoss*: 564; 1837-*DescrCoqFoss*: 813, intended to be *F. angulatus* Lamarck, 1803. For some reason, Deshayes used the wrong name in a comparison, then corrected it, evidently not knowing that Lamarck's species was a junior homonym, *non* Röding, 1798 (Snyder 2003: 51, 295). This essentially makes the Deshayes name a *nomen nudum*.

*breviculus*, *Fusus* – Deshayes, 1835-*DescrCoqFoss*: 530-531, 38, pl. 72, figs 3-4. — Type localities: Parnes, Chaumont-en-Vexin & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Cosmolithes breviculus* (Deshayes, 1835) (Snyder 2022: 40).

*conjunctus*, *Fusus* – Deshayes, 1835-*DescrCoqFoss*: 527-528, 38, pl. 70, figs 16-17; 1865-*DescrCoqFoss*: 255. — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32301, syntypes from Parnes. — Current status: synonym of *Clavellofusus clavellatus* (Lamarck, 1803) (Snyder 1999: 5; Snyder 2022: 57).

*costarius*, *Fusus* – Deshayes, 1835-*DescrCoqFoss*: 532-533, 39, pl. 73, figs 8-9; 1865-*DescrCoqFoss*: 263 [synonymized his own *Fusus simplex*]. — Type locality: Retheuil. — Type age: Eocene (Ypresian). *Clavilithes (Cosmolithes) costarius* (Deshayes, 1835) (Le Renard & Pacaud 1995: 117; Pacaud 2007: 44). — Current status: *Cosmolithes costarius* (Deshayes, 1835) (Snyder 2022: 60).

*crassicosatus*, *Fusus* – Deshayes, 1835-*DescrCoqFoss*: 541-542, 38, pl. 72, figs 1-2; 1843-*HistNatAnim2*: 495-496; 1843-*HistNatAnim3*: 677; 1865-*DescrCoqFoss*: 263-264. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32308, syntypes. — Current status: *Streptochetus crassicosatus* (Deshayes, 1835) (Le Renard & Pacaud 1995: 117; Pacaud 2008: 62; Snyder 2022: 62).

*crassilabrum*, *Purpura* – Deshayes, 1865-*DescrCoqFoss*: 519-520, 94, pl. 94, figs 26-27. — Type locality: Les Groux. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32800, holotype. — Type species (OD) of *Endopachytilus* Cossmann, 1889. *Cantharus (Endopachytilus) crassilabrum* (Deshayes, 1865) (Le Renard & Pacaud 1995: 115, 116; Snyder 2022: 62). — Current status: *Endopachytilus crassilabrum* (Deshayes, 1865) (Pacaud 2008: 61; Tréguier & Pacaud 2018: 209; Pacaud herein).

*dameriacensis*, *Fusus* – Deshayes, 1864-*DescrCoqFoss*: 85, pl. 85, figs 23-24; 1865-*DescrCoqFoss*: 256-257. — Type locality: Damery. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32771, syntypes. *Clavellofusus dameriacensis* (Deshayes, 1864) (Snyder 1999: 5; Snyder 2022: 67). — Current status: *Clavilithes (Rhopalithes) dameriacensis* (Deshayes, 1864) (Le Renard & Pacaud 1995: 117; Pacaud 2008: 62; Pacaud herein).

*decussatus*, *Fusus* – Deshayes, 1835-*DescrCoqFoss*: 517-518, 38, pl. 72, figs 8-10 [fig. 10 not cited in text; 1837-*DescrCoqFoss*: 813, correction made], *non* T. Brown, 1827, *nec* I. Lea, 1833; 1865-*DescrCoqFoss*: 259. — Type localities: Berchère-sur-Vesgre & Parnes. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32309, syntype from Berchère-sur-Vesgre. — Current status: synonym of *Dolicholatirus (Exilifusus) lamberti* (Deshayes, 1864) (Snyder 2022: 68).

*dupetittrouarsii*, *Fusus* – Deshayes, 1843-*HistNatAnim2*: 468; 1843-*HistNatAnim3*: 667, spelled correctly here. Spelling error of the eastern Pacific *F. dupetitthouarsi* Kiener, 1840 (Keen 1971: 615-616, fig. 1340), now *Goniofusus dupetitthouarsi* (Kiener, 1840) (Snyder 2022: 74).

*incertus*, *Fusus* – Deshayes, 1835-*DescrCoqFoss*: 537-538, 38, pl. 71, figs 1-2; 1865-*DescrCoqFoss*: 261. — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32305, syntype from Parnes. — Current status: *Streptochetus incertus* (Deshayes, 1835) (Le Renard & Pacaud 1995: 117; Pacaud 2008: 62; Snyder 2022: 104).

*incrassatus*, *Fusus* – Deshayes, 1832-*EncyMeth*: 157-158, *non* Lamarck, 1816. — Type localities: Beynes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). Listed by Snyder (2022: 104). — Current status: *nomen dubium* (Pacaud herein).

*interpositus*, *Fusus* – Deshayes, 1865-*DescrCoqFoss*: 285-286, 86, pl. 86, figs 1-3. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32772, holotype. — Current status: *Latirus interpositus* (Deshayes, 1865) (Le Renard & Pacaud 1995: 116; Pacaud 2008: 63; Snyder 2022: 107).

*knorrii*, *Turbinella* – Deshayes, 1843-*HistNatAnim2*: 391; 1843-*HistNatAnim3*: 639-640. — Type locality: Peru?. — Type age: Recent. — Current status: synonym of the Caribbean *Leucozonia nassa* (Gmelin, 1791) [*Murex*], the type species of *Leucozonia* J. E. Gray, 1847 (Yidi & Sarmiento 2011; 101-102, 261, fig. 512).

*lamberti*, *Fusus* – Deshayes, 1864-*DescrCoqFoss*: 85, pl. 85, figs 20-22; 1865-*DescrCoqFoss*: 259-260. — Type localities: Cuise-la-Motte & Saint-Gobain. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32770, syntypes from Saint-Gobain. — Current status: *Dolicholatirus (Exilifusus) funiculosus* [Lamarck, 1803] *lamberti* (Deshayes, 1864) (Le Renard & Pacaud 1995: 117; Snyder 2022: 113). *Dolicholatirus (Exilifusus) lamberti* (Deshayes, 1864) (Pacaud 2008: 62).

*laticosta*, *Fusus* – see next entry.

*laticostatus*, *Fusus* – Deshayes, 1831c: [1], as *F. laticostatus*, pl. 21, as *F. laticosta*; 1832-*EncyMeth*: 151; 1843-*HistNatAnim2*: 468; 1843-*HistNatAnim3*: 667, as possible synonym of *Murex variegatus* Perry, 1811. — Type locality: Ceylon [Sri Lanka]; Mr. Blosserville, *La Chevette*. — Type age: Recent. — Type material: MNHN-IM-2000-6451, 3 syntypes. — Current status: synonym of *Marmorofusus undulatus* (Gmelin, 1791) [*Murex*] (Mallard & Robin 2017: 59, fig. 1, syntype; Lyons & Snyder 2019: 5-10, figs 1-7; Snyder 2022: 115).

*maroccanus*, *Fusus* – Deshayes, 1843-*HistNatAnim2*: 458-459; 1843-*HistNatAnim3*: 664, *ex* Chemnitz ms. — Type locality: none given. — Type age: Recent. Subsequent incorrect spelling of *Fusinus maroccensis* (Gmelin, 1791) [*Murex*] (Aartsen & Giannuzzi-Savelli 1991: 4).

*maximus*, *Fusus* – Deshayes, 1835-*DescrCoqFoss*: 526-527, 38, pl. 71, figs 11-12; 1843-*HistNatAnim2*: 493-494; 1843-*HistNatAnim3*: 676; 1865-*DescrCoqFoss*: 258. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32304, syntype; MNHN.F.A70776, syntype. *Clavellofusus maximus* (Deshayes, 1835) (Snyder 1999: 5; Snyder 2022: 128). — Current status: *Clavilithes (Clavilithes) maximus* (Deshayes, 1835) (Le Renard & Pacaud 1995: 117; Pacaud 2008: 62).

*obliquatus*, *Fusus* – Deshayes, 1835-*DescrCoqFoss*: 542, 39, pl. 74, figs 13-14; 1865-*DescrCoqFoss*: 264. — Type localities: Parnes, Chaumont-en-Vexin & Le Vivray. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32319, syntype from Parnes. — Current status: *Streptochetus obliquatus* (Deshayes, 1835) (Le Renard & Pacaud 1995: 117; Pacaud 2008: 62; Courville *et al.* 2012: 66, pl. 7, fig. 12; Snyder 2022: 142).

*peruvianus*, *Fusus* – Deshayes, 1835c: 25, *nomen nudum*. — Type locality: Norway. — Type age: Recent. Perhaps based on the Eocene *Murex peruvianus* J. de C. Sowerby, 1823, which had been sometimes placed in *Fusus*. Listed by Snyder (2022: 151).



*pulcherrima*, *Turbinella* – Deshayes, 1865-*DescrCoqFoss*: 294, 83, pl. 83, figs 12-14. — Type locality: Auvers-sur-Oise. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32752, syntype. *Latirus* group (Beu & Maxwell 1987: 57). Listed by Snyder (2022: 160). — Current status: *Pisanella pulcherrima* (Deshayes, 1865) (Le Renard & Pacaud 1995: 116).

*segregatus*, *Fusus* – Deshayes, 1865-*DescrCoqFoss*: 261-262. — Type locality: Rethuil. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32313. Referred to 1834-*DescrCoqFoss*: 39, pl. 73, figs 14-15, *Fusus intortus* Lamarck, 1803, var. e. — Current status: *Streptochetus segregatus* (Deshayes, 1865) (Le Renard & Pacaud 1995: 117; Pacaud 2008: 62; Snyder 2022: 178).

*simplex*, *Fusus* – Deshayes, 1835-*DescrCoqFoss*: 533-534, 40, pl. 76, figs 5-6; 1865-*DescrCoqFoss*: 263, as a synonym of *Fusus costarius* Deshayes, 1835. — Type localities: Cuise-la-Motte & Rethuil. — Type age: Eocene (Bartonian). — Current status: synonym of *Clavilithes* (*Cosmolithes*) *costarius* (Deshayes, 1835) (Snyder 2022: 180).

*speciosus*, *Fusus* – Deshayes, 1864-*DescrCoqFoss*: 84, pl. 84, figs 17-19; 1865-*DescrCoqFoss*: 270-271. — Type locality: Ermenonville. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32762, syntypes. Snyder (2003: 189, 293) incorrectly synonymized with an Oligocene species. Listed by Snyder (2022: 183). — Current status: *Suessonia speciosa* (Deshayes, 1864) (Le Renard & Pacaud 1995: 116).

*speyeri*, *Fusus* – Deshayes, 1864-*DescrCoqFoss*: 85, pl. 85, fig. 7; 1865-*DescrCoqFoss*: 270. — Type locality: Jeurre. — Type age: Oligocene (Rupelian). Synonym of *Streptodictyon subelongatus* (d'Orbigny, 1853) [*Fusus*] (Snyder 2003: 189, 293). *Streptodictyon speyeri* (Deshayes, 1864) (Lozouet & Maestrati 2012a: 290-191, fig. 188: 10-11 (as “1865”). — Current status: *Latirus speyeri* (Deshayes, 1864) (Lozouet 2015: 34-35, as “1865”; Snyder 2022: 183).

*spinosa*, *Turbinella* – Deshayes, 1843-*HistNatAnim2*: 385, 392; 1843-*HistNatAnim3*: 640, ex Martyn ms, non J. E. Gray, 1838. — Type locality: Îles de Amis [Tonga]. — Type age: Recent. — Current status: synonym of the Indo-Pacific *Peristernia columbarium* (Gmelin, 1791) [*Murex*] (Snyder 2022: 183). The later *Turbinella spinosa* Philippi, 1845, is accepted in MolluscaBase as *Latirus spinosus* (Philippi, 1845), under ICZN Code Art. 23.9.

*squamulosus*, *Fusus* – Deshayes, 1835-*DescrCoqFoss*: 540-541, 39, pl. 73, figs 6-7. — Type locality: Beynes. — Type age: Eocene (Lutetian). 1865-*DescrCoqFoss*: 263. Preoccupies the living *Fusus squamulosus* Philippi, 1836, which is now regarded as a synonym of *Coralliophila squamosus* (Antonio Bivona, in Andrea Bivona, 1838) (Coan & Kabat 2017: 185-186). — Current status: *Streptochetus squamulosus* (Deshayes, 1835) (Le Renard & Pacaud 1995: 117; Pacaud 2008: 62; Snyder 2022: 184).

*teniata*, *Turbinella* – Deshayes, 1833d: 66, pl. 65, figs 7-8. — Type locality: northern Red Sea. — Type age: Recent. Synonym of *Latirus turritus* (Gmelin, 1791) (Tomlin & Salisbury 1928: 33). — Current status: *Turritulus turritus* (Gmelin, 1791) (Vermeij & Snyder 2006: 419; Snyder 2022: 197), of the Red Sea and western Indian Ocean.

*terebralis*, *Fusus* – Deshayes, 1837-*DescrCoqFoss*: 813, 814, replacement name for *Fusus laevigatus* Lamarck, 1803, non (Gmelin, 1791) [*Murex*], but also non *Fusus terebralis* Lamarck, 1803. — Type locality: France. — Type age: Eocene. Listed by Snyder (2022: 198). Unnecessary replacement name, because *Fusus laevigatus* Lamarck, 1803, is a synonym of *Fusus terebralis* Lamarck, 1803.

*toreuma*, *Fusus* – Deshayes, 1843-*HistNatAnim2*: 467; 1843-*HistNatAnim3*: 666-667, ex Martyn ms [unavailable]. — Type locality: Pulo Coudore Island, Indian Ocean. — Type age: Recent. Unnecessarily renamed *Fusus rheuma* Menke, 1851 (Menke 1851:

19) on the grounds that Deshayes species was different than that of Martyn. — Current status: *Fusinus toreuma* (Deshayes, 1843), a member of the Indo-Pacific *Fusinus colus* (Linnaeus, 1758) [*Murex*] group (Lyons & Snyder 2019: 39, 43-44; Snyder 2022: 201), but not a synonym thereof as other have asserted.

*truncatum*, *Buccinum* – Deshayes, 1835-*DescrCoqFoss*: 654-655, 45, pl. 87, figs 18-20, non Strøm, 1768; 1865-*DescrCoqFoss*: 511, as *Truncaria*. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Type species (OD) of *Coptaxis* Cossmann, 1901. *Truncaria* (*Coptaxis*) *truncata* (Deshayes, 1835) (Le Renard & Pacaud 1995: 114). — Current status: *Truncaria* (*Coptaxis*) *vallismunda* Pacaud, n. name (replacement name herein): from the type locality. The name Valmondois comes from the Latin *Vallis Munda*, “elegant valley”; name given in apposition. Probably now Buccinidae.

*tuberculosis*, *Fusus* – Deshayes, 1835-*DescrCoqFoss*: 522, 40, pl. 75, figs 14-15 [in text, pl. 73 cited in error; 1837-*DescrCoqFoss*: 813, correction made]; 1865-*DescrCoqFoss*: 257. — Type locality: Parnes. — Type age: Eocene (Lutetian). *Clavellofusinus tuberculosis* (Deshayes, 1835) (Snyder 1999: 5; Snyder 2022: 205); — Current status: *Clavilithes* (*Clavilithes*) *tuberculosis* (Deshayes, 1835) (Le Renard & Pacaud 1995: 117; Pacaud 2008: 62).

*violaceus*, *Fusus* – Deshayes, 1835b: 174, pl. 19, figs 19-21; 1843-*HistNatAnim2*: 473-474; 1843-*HistNatAnim3*: 669. — Type locality: Peloponnese Peninsula, Greece. — Type age: Recent. Listed by Snyder (2022: 214). — Current status: *nomen dubium*.



*heptagonus*, *Streptochetus* – Pacaud (2008: 62) listed *Streptochetus heptagonus* (Deshayes, 1835), an error for Lamarck, 1803 [*Fusus*].

*longirostris*, *Fusus* – Deshayes, 1849-*DictUnivAtlas*: 8, pl. 21, fig. 5. — Type locality: none given. — Type age: Recent. *Fusus longirostris* Schumacher, 1817, was synonymized by Deshayes (1843-*HistNatAnim*: 444) with *F. colus* (Linnaeus, 1758) [*Murex*], now *Fusinus colus* (Linnaeus, 1758). However, it was not listed among the synonyms of that species given by Callomon & Snyder (2007: 29-34, figs 25-40, 64-65), but these are now regarded as a species group (Lyons & Snyder 2019: 39, 43-44; Snyder 2022: 121-122). It is not clear why Deshayes illustrated this as a separable species, adding his name as its author, but that seems to be what happened.

#### Family MELONGENIDAE Gill, 1871 [1854]

*fulva*, *Pyryla* – Deshayes, 1832b: 422-424, 440, 523, pl. 2, fig. 5. — Type locality: Sunda Strait, Indonesia; Bélanger. — Type age: Recent. — Current status: synonym of *Volegalea cochlidium* (Linnaeus, 1758) [*Murex*] (MolluscaBase).

*globatus*, *Fusus* – Deshayes, 1864-*DescrCoqFoss*: 83, pl. 83, figs 21-22; 1865-*DescrCoqFoss*: 288. — Type localities: Auvers-sur-Oise, Valmondois, Mary-sur-Marne, Jaignes, Betz & Le Fayel. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32755, syntype from Le Fayel. — Current status: *Sycostoma globatum* (Deshayes, 1864) (Le Renard & Pacaud 1995: 116; Snyder 2022: 92).

*muricoides*, *Fusus* – Deshayes, 1835-*DescrCoqFoss*: 561-562, 38, pl. 71, figs 3-4; 1865-*DescrCoqFoss*: 285. — Type localities: Thiverval-Grignon, Beynes, Mouchy-le-Châtel, Parnes & Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32306, syntype from Beynes. Preoccupies *Fusus muricoides* C. B. Adams, 1845, now considered to be a synonym of *Muricopsis caribbaea* (Bartsch & Rehder, 1939). Synonym of *Melongena subcarinata* (Lamarck, 1803) [*Fusus*] (Pezant 1910: 11). *Solenosteira subcarinata* (Lamarck, 1803) (Le Renard 1992:

7; Le Renard & Pacaud 1995: 116; Merle & Pacaud 2002: 7, pl. 1, fig. 5). *Pugilina muricoides* (Deshayes, 1835) (Snyder 2022: 136). — Current status: *Lamarckofusus subcarinatus* (Lamarck, 1803) (Vermeij & Lozouet 2012: 82).

*obtusus*, *Fusus* – Deshayes, 1835-*DescrCoqFoss*: 567-568, 41, pl. 77, figs 5-6; 1865-*DescrCoqFoss*: 278-279. — Type locality: La Chapelle-en-Serval. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32828, syntype. *Pugilina palissyi* Pezant, 1908 [*Melongena*], was new species based on *Fusus subcarinatus* Lamarck, 1803, *sensu* Deshayes, 1835 (Deshayes 1835: 565, pl. 77, fig. 7-14), *non* Lamarck, 1803, is thus a junior synonym of *Fusus obtusus* Deshayes, 1835. Preoccupies *F. obtusus* G. B. Sowerby II, 1880, a synonym of *Colus islandicus* (Mohr, 1786) [*Murex*] [now *Colidae*]. Synonym of *Melongena subcarinata* (Lamarck, 1803) [*Fusus*] (Snyder 2022: 143). — Current status: *Pugilina obtusa* (Deshayes, 1835) (Pacaud herein).

#### Family NASSARIIDAE Iredale, 1916 [1835]

*ampullaceum*, *Buccinum* – Deshayes, 1844-*HistNatAnim2*: 203-204. Unnecessary replacement name for *Buccinum* “*globosum*” Kiener, 1834 (Kiener 1834: 12, pl. 10, fig. 33), *non* Quoy & Gaimard, 1833, because Kiener’s species was actually *Buccinum globulosum*. — Type age: Recent. — Current status: synonym of the Argentinean *Buccinastrum deforme* (P. P. King, 1832) [*Buccinum*] (Pastorino & Simone 2021: 1230-1236, figs 16-19), the type species of this new genus.

*auversienne*, *Buccinum* – Deshayes, 1865-*DescrCoqFoss*: 498-499, 94, pl. 94, figs 1-3. — Type locality: Auvers-sur-Oise. — Type age: Eocene (Bartonian). — Current status: *Colwellia auversiensis* (Deshayes, 1865) (Le Renard & Pacaud 1995: 114; Lozouet & Galindo 2015: 46).

*bizonata*, *Canidia* – Deshayes in Deshayes & Jullien, 1876: 156-157, 162, pl. 8, figs 25-26. — Type locality: Ca-Lgniou Island, Cambodia. — Type age: Recent. — Type material: MNHN-IM-2000-6326, 9 syntypes. — Current status: *Anentome bizonata* (Deshayes, 1876) (Strong *et al.* 2017).

*broti*, *Canidia* – Deshayes in Deshayes & Jullien, 1876: 157-158, 162, pl. 8, figs 27-28. — Type locality: Ca-Lgniou Island, Cambodia. — Type age: Recent. — Type material: MNHN-IM-2000-6322, 5 syntypes; MNHN-IM-2000-6323, 4 syntypes; MNHN-IM-2000-6324, 2 syntypes. — Current status: synonym of *Anentome jullieni* (Deshayes, 1876) (MolluscaBase).

*buccinulum*, *Terebra* – Deshayes, 1857d: 92-93, pl. 5, fig. 12; 1859: 282. — Type locality: eastern Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 20130671.1, lectotype; 20130671/2-4, paralectotypes (listed by A. Salvador & Pickering, 2017: 110-111). — Current status: synonym of *Bullia turrita* J. E. Gray, 1839 (Cernohorsky 1984: 30; Bratcher & Cernohorsky 1987: 29).

*conoidale*, *Buccinum* – Deshayes, 1832b: 433-434, 440, 523, pl. 3, figs 6-7; 1844-*HistNatAnim2*: 194-195. — Type locality: Sunda Strait, Indonesia; Bélanger. — Type age: Recent. — Type material: MNHN-IM-2000-6320, lectotype; MNHN-IM-2000-6960, paralectotype. — A junior synonym of this species, *Nassa cumingii* A. Adams, 1852, is the type species (SD Cossmann, 1901) of *Niotha* H. Adams & A. Adams, 1853, generally regarded as a synonym of *Nassarius* Duméril, 1805. — Current status: *Nassarius conoidalis* (Deshayes, 1832) (Cernohorsky 1984: 78-80, pl. 7, figs 3-10; Wilson 1994: 81, pl. 15, fig. 19a-c; Qi 2004: 98, pl. 59, fig. F; Tsuchiya, in Okutani 2017: 911, pl. 199, fig. 6, as “Deshayes, in Bruguière, 1832”; Poppe 2018: 142).

*desorii*, *Buccinum* – Deshayes, 1865-*DescrCoqFoss*: 501, 93, pl. 93, figs 16-17. — Type localities: Abbecourt, Saint-Martin-aux-Bois, Châlons-sur-Vesle, Gueux & Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Type species (OD) of *Desorinassa* Nuttall & Cooper, 1983, a synonym of *Keepingia* Nuttall & Cooper, 1983 (type species by OD: *Buccinum gossardii* Nyst, 1836) (Lozouet & Galindo 2015: 32). *Desorinassa desorii* (Deshayes, 1865) (Nuttall & Cooper 1973: 202-203, pl. 4, figs 4-6, as *D. “desori”*; Le Renard & Pacaud 1995: 114; Leroy *et al.* 2014: 25, pl. 27, figs 1-2). — Current status: *Keepingia desorii* (Deshayes, 1865) (Lozouet & Galindo 2015: 32, as “*desori*”).

*dujardinii*, *Buccinum* – Deshayes, 1844-*HistNatAnim2*: 211-212. — Type localities: Touraine & Bordeaux, Vienna, Austria. — Type age: Miocene (Burdigalian). *Nassa (Arcularia) dujardini* (Deshayes, 1844) (Peyrot 1925: 187-188; 1927: pl. 3, figs 124-126). *Gussonea dujardini* (Deshayes, 1844) (Manganelli *et al.* 2010: 200). — Current status: *Nassarius dujardinii* (Deshayes, 1844) (Lozouet & Galindo 2015: 47, as *N. “dujardini”*).

*fusiformis*, *Canidia* – Deshayes in Deshayes & Jullien, 1876: 151-153, 161, pl. 3, figs 30-32, 162, pl. 8, figs 21-22. — Type locality: Ca-Lgniou Island, Cambodia. — Type age: Recent. — Type material: MNHN-IM-2000-6943, 4 syntypes; MNHN-IM-2000-6944, 6 syntypes. — Current status: synonym of *Anentome helena* (Busch, 1847) [*Melania*] (Galindo *et al.* 2016: 341).

*gradatum*, *Buccinum* – Deshayes, 1844-*HistNatAnim2*: 186-187. — Type locality: “New Zealand” [Argentina]. — Type age: Recent. — Type material: MNHN-IM-2000-6973, syntype. — Current status: synonym of *Buccinanopsis cochlidium* (Dillwyn, 1817) [*Buccinum*] (Simone 1996; Pastorino & Simone 2021: 1213-1222, figs 1-8).

*granatina*, *Purpura* – Deshayes, 1832b: 425-426, 440, 523, pl. 3, figs 8-9. — Type locality: Ceylon [Sri Lanka]; Bélanger. — Type age: Recent. — Current status: *Taxon inquirendum* (R. Houart pers. comm., March 2020).

*jullieni*, *Canidia* – Deshayes in Deshayes & Jullien, 1876: 155-156, 162, pl. 7, figs 23-24. — Type locality: Ca-Lgniou Island, Cambodia. — Type age: Recent. — Type material: MNHN-IM-2000-6940, 17 syntypes; MNHN-IM-2000-6941, 8 syntypes. — Current status: *Anentome jullieni* (Deshayes, 1876) (Strong *et al.* 2017).

*kieneri*, *Nassa* – Deshayes, 1863: 129-130, *non* *Nassarius kieneri* (Anton, 1838) [*Buccinum*]. — Type locality: La Réunion. — Type age: Recent. *Nassa seclusa* P. Fischer, 1891 (P. Fischer 1891: 143), replacement name. *Nassarius bourbonensis* H. H. Kool, 2015, unnecessary additional replacement name. — Type material: MNHN-IM-2000-6710, 2 syntypes. Kool (2015: 100-101, figs 9-13) concluded that this frequently synonymized species was distinct but overlooked the earlier replacement name, later corrected (Kool & Gili 2020). — Current status: *Nassarius seclusus* P. Fischer, 1891.

*latum*, *Buccinum* – Deshayes, 1865-*DescrCoqFoss*: 501-502, 93, pl. 93, figs 27-28. — Type localities: Bracheux & Abbecourt. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32798, syntype from Abbecourt. — Current status: *Desorinassa lata* (Deshayes, 1865) (Le Renard & Pacaud 1995: 114).

*melanoides*, *Buccinum* – Deshayes, 1832b: 430-431, 439, 523, pl. 2, figs 3-4; 1844-*HistNatAnim2*: 202. — Type locality: Ceylon [Sri Lanka]; Bélanger. — Type age: Recent. — Type material: MNHN-IM-2000-6965, 5 syntypes. — Current status: *Bullia melanoides* (Deshayes, 1832) (Cernohorsky 1984: 29).

*obelatum*, *Buccinum* – Deshayes, 1833d: 66, pl. 65, figs 5-6. — Type locality: northern Red Sea. — Type age: Recent. Synonym of *Nassarius arcularia plicatus* (Röding, 1798) (Cernohorsky 1984: 57-58, pl. 1, figs 4-9; Sabelli *et al.* 1990: 198). — Current status: *Nassarius obvelatus* (Deshayes, in Laborde, 1833) (Dekker & Orlin 2000: 28).



*onerata*, *Nassa* – Deshayes, 1863: 130-131, pl. 12, figs 24-25. — Type locality: La Réunion; Maillard coll. — Type age: Recent. — Type material: MNHN-IM-2000-6706, holotype. — Current status: *Nassarius oneratus* (Deshayes, 1863) (Cernohorsky 1984: 76, pl. 6, figs 11-13; Wilson 1994: 84, pl. 15, fig. 25a-b; Tsuchiya, in Okutani 2017: 911, pl. 199, fig. 3).

*ovatum*, *Buccinum* – Deshayes, 1835-DescrCoqFoss: 652-653, 48, pl. 94, figs 14-16; 1844-HistNatAnim2: 209; 1865-DescrCoqFoss: 497-498. — Type locality: Retheuil. — Type age: Eocene (Ypresian). ML-PAL-21099, holotype. — Current status: *Desorinassa ovata* (Deshayes, 1835) (Le Renard & Pacaud 1995: 114; Lozouet & Galindo 2015: 46).

*pristis*, *Buccinum* – Deshayes, 1844-HistNatAnim2: 192. — Type locality: “California”. — Type age: Recent. — Type species (OD) of *Northia* J. E. Gray, 1847. — Current status: the Panamic *Northia pristis* (Deshayes, 1844) (Keen 1971: 568).

*roissyi*, *Buccinum* – Deshayes, 1832b: 432-433, 440, 523, pl. 3, figs 3-4; 1844-HistNatAnim2: 198. — Type locality: Indian Ocean; Bélanger. — Type age: Recent. — Type material: MNHN-IM-2000-6951, syntype. — Current status: *Nassarius (Zeuxos) roissyi* (Deshayes, 1832) (Cernohorsky 1984: 153, pl. 31, fig. 5). The subgenus *Zeuxis* H. Adams & A. Adams, 1853, is now generally synonymized with *Nassarius*.

*rumphii*, *Buccinum* – Deshayes, 1844-HistNatAnim2: 179. — Type locality: none given. — Type age: Recent. Not preoccupied by *Buccinum rumpfi* Gmelin, 1791, a synonym of *Cassis tessellata* (Gmelin, 1791) [*Buccinum*] [Cassidae]. — Current status: synonym of *Nassarius arcularia* (Linnaeus, 1758) [*Buccinum*] (Wilson 1994: 80), the type species (SM) of *Nassarius* Duméril, 1805. Synonym of *Nassarius arcularia plicatus* (Röding, 1798) (Sabelli *et al.* 1990: 198, as “Deshayes & Edwards”).

*scalarina*, *Canidia* – Deshayes in Deshayes & Jullien, 1876: 153-154, 162, pl. 8, figs 18-20. — Type locality: Ca-Lgniou Island, Cambodia. — Type age: Recent. — Type material: MNHN-IM-2000-6938, holotype. — Current status: *Anentome scalarina* (Deshayes, 1876) (Strong *et al.* 2017).

*turonense*, *Buccinum* – Deshayes, 1844-HistNatAnim2: 223. — Type locality: Faluns de Touraine. — Type age: Miocene (Serravallian). *Nassa (Hima) turonensis* (Deshayes, 1844) (Peyrot 1925: 144-146; 1927: pl. 2, figs 34-36). *Nassarius turonense* (Deshayes, 1844) (Lozouet & Galindo 2015: 48). — Current status: *Tritia turonensis* (Deshayes, 1844) (Landau *et al.* 2019: 179-180, pl. 41, figs 1-5).



*limatum*, *Buccinum* – Deshayes, 1844-HistNatAnim2: 200-201, *ex* Chemnitz ms. Cernohorsky (1984: 50) and Cecalupo (1988: 36, pl. 2, fig. 6, as *Himia*) credited this species to Deshayes, but this Chemnitz ms name was first made available by Philippi (1836) and is now considered to be a synonym of *Tritia lima* (Dillwyn, 1817) [*Buccinum*] (Coan & Kabat 2017: 182).

#### Family PISANIIDAE J. E. Gray, 1857

*incarnata*, *Turbinella* – Deshayes, 1833d: 66, pl. 65, figs 20-22; 1843-HistNatAnim2: 394-395; 1843-HistNatAnim3: 640-641. — Type locality: northern Red Sea. — Type age: Recent. — Type material: MNHN-IM 2000-30244, syntype. *Engina incarnata* (Deshayes, in Laborde, 1833) (Wilson 1994: 93, pl. 10, figs 6a-b). — Current status: *Clivipollia incarnata* (Deshayes, in Laborde, 1833) (Dekker & Orlin 2000: 27; Rusmore-Villaume 2008: 100-101; Fraussen & Stahlschmidt 2016: 33-34, figs 3F-H, 6G-L [I-J], syntype), restricted to the Red Sea and western Indian Ocean.

*plicatulus*, *Fusus* – Deshayes, 1835-DescrCoqFoss: 575, 39, pl. 73, figs 18-20; 1843-HistNatAnim2: 499; 1843-HistNatAnim3: 678; 1865-DescrCoqFoss: 264. — Type locality: Monneville. — Type age: Eocene (Bartonian). Listed by Snyder (2022: 160) as a “junior” synonym of *Pisania subdentata* Cossmann, 1889. — Current status: *Pisania plicatula* (Deshayes, 1835) (Le Renard & Pacaud 1995: 115).

*tafon*, *Buccinum* – Deshayes, 1844-HistNatAnim2: 188-189, *ex* Adanson ms. — Type locality: Senegal. — Type age: Recent. — Type material: MNHN-IM-2000-35831, 5 syntypes. — Current status: synonym of *Gemphos viverratus* (Kiener, 1834) [*Buccinum*] (MolluscaBase).

#### Family MURICIDAE Rafinesque, 1815

*Concholepa* – Deshayes, 1830a-EncyMeth: 256. Incorrect subsequent spelling of *Concholepas* Lamarck, 1801.

*Murula* – Deshayes, 1832-EncyMeth: 588. Incorrect subsequent spelling of *Morula* Schumacher, 1817.

*Purpura* – Deshayes, 1844d: 2, pl. 85. Incorrect subsequent spelling of *Purpura* Bruguière, 1789.

*aculeata*, *Purpura* – Deshayes, 1844: 104-105, *ex* Regenfuss ms. — Type locality: none given. — Type age: Recent. The western Indo-Pacific *Thalessa aculeata* (Deshayes, 1844) (Wilson 1994: 48, pl. 4, figs 12a-b, as *Thais*; Houart, in Poppe 2008b: 216, pl. 403, figs 4-5, as *Thais*; Tsuchiya, in Okutani 2017: 961, pl. 253, fig. 12, as “Deshayes & Milne-Edwards”; Claremont *et al.* 2012: 94; Poppe 2018: 132). — Current status: *Tylothais aculeata* (Deshayes, 1844) (Boutet *et al.* 2020: 382).

*albomarginata*, *Purpura* – Deshayes, 1839d: 360; 1841: 2, pl. 44; 1844-HistNatAnim2: 95-96. — Type locality: New Zealand; Jeannelle collection. — Type age: Recent. — Type material: MNHN-IM-2000-1066, lectotype; MNHN-IM-2000-824, 10 paralectotypes. — Current status: *Haustrum albomarginatum* (Deshayes, 1839) (Powell 1979: 180, pl. 36, fig. 4, as a subspecies of *Lepsiella scobina* (Quoy & Gaimard, 1833) (B. Marshall, pers. comm., June 26, 2020).

*atromarginata*, *Purpura* – Deshayes, 1844-HistNatAnim10: 91-92. Unjustified emendation of *Purpura marginatra* Blainville, 1832. The Indo-Pacific *Neothais marginatra* (Blainville, 1832).

*aturi*, *Murex* – Deshayes, 1865-DescrCoqFoss: 330. New species based on *Murex calcitrapoides* Lamarck, 1822, *sensu* Grateloup, 1845, *non* Lamarck, 1822. — Type locality: Saint-Paul-lès-Dax. — Type age: Miocene. — Current status: *Acanthotrophon aturi* (Deshayes, 1865) (Merle *et al.* 2022: 99, pl. 50, figs 4-9).

*auversiensis*, *Murex* – Deshayes, 1865-DescrCoqFoss: 322, 87, pl. 87, figs 13-15. — Type locality: Auvers-sur-Oise. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 33143, 33145-33150, syntypes. *Muricopsis auversiensis* (Deshayes, 1865) (Le Renard & Pacaud 1995: 114). — Current status: *Jsowerbya auversiensis* (Deshayes, 1865) (Merle 2005: 510-511, figs 3-4).

*bernayi*, *Murex* – Deshayes, 1865-DescrCoqFoss: 322-323, 87, pl. 87, figs 16-17. — Type locality: Chaussy. — Type age: Eocene (Lutetian). *Muricopsis bernayi* (Deshayes, 1865) (Le Renard & Pacaud 1995: 114; Pacaud 2008: 63). — Current status: *Textiliomurex bernayi* (Deshayes, 1865) (Merle *et al.* 2011: 125, pl. 94, figs 3-5).

*bicostatus*, *Murex* – Deshayes, 1835-DescrCoqFoss: 602-603, 43, pl. 81, figs 28-30; 1865-DescrCoqFoss: 319-320. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Type material:

UCBL-EM 33437, holotype. *Ocinebrina bicostata* (Deshayes, 1835) (Le Renard & Pacaud 1995: 114). — Current status: *Paleochicoreus bicostatus* (Deshayes, 1835) (Merle *et al.* 2024: 515).

*blainvillei*, *Purpura* – Deshayes, 1844-HistNatAnim2: 93-94. — Type locality: Peru. — Type age: Recent. New species based on *Purpura callaoensis* J. E. Gray, 1828, of Blainville (1832: 242) and Kiener, 1836 (99-100, pl. 26, fig. 71). — Type material: MNHN-IM-2000-50, 3 syntypes. — Current status: synonym of *Stramonita delessertiana* (d'Orbigny, 1841) [*Purpura*] (Keen 1971: 550-552, fig. 1078).

*blosvillei*, *Fusus* – Deshayes, 1832-EncyMeth: 155; 1843-Hist-NatAnim2: 473-473; 1843-HistNatAnim3: 668-669; 1844d: 2, pl. 85; 2, pl. 85, replacement pages, as *Purpurea*. — Type locality: Ceylon; Mr. Blosville, *La Chevette*. — Type age: Recent. — Type material: MNHN-IM-2000-6468, 2 syntypes. *Lataxienna blosvillei* (Deshayes, 1832) (Wilson 1994: 22, pl. 5, fig. 27a-b; Houart *et al.* 2019: 50; Snyder 2022: 37-38). — Current status: *Bedeua blosvillei* (Deshayes, 1832) (Houart, in Poppe 2008b: 198, pl. 394, fig. 10; Poppe 2018: 131).

*buccinea*, *Purpura* – Deshayes, 1844-HistNatAnim2: 92-93. — Type locality: New Guinea. — Type age: Recent. Unnecessary replacement name for *Purpura striata* “Brugière” [actually Blainville], *non Purpura striata* (Martyn, 1784) [*Buccinum*], but with only a few exceptions, Martyn's names are unavailable (ICZN Opinions 456 & 479, 1957a-b; Opinion 1662, 1992), and this is not one of them. — Current status: synonym of *Taurasia striata* (Blainville, 1832) [*Purpura*] (Raven 2016: 82-86, pl. 1, figs 2-3, pl. 2, figs 1-14, text-fig. 1, table 1).

*caillati*, *Murex* – Deshayes, 1865-DescrCoqFoss: 316-317, 87, pl. 87, figs 24-26. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32782, holotype. *Ponderia caillati* (Deshayes, 1865) (Le Renard 1992: 6; Le Renard & Pacaud 1995: 114; Pacaud 2008: 63).

*chapuisi*, *Murex* – Deshayes, 1865-DescrCoqFoss: 88, pl. 88, figs 1-3 [not in text]. — Type locality: none given. Eocene (Ypresian). *Muricopsis plicatilis chapuisi* (Deshayes, 1835) (Le Renard & Pacaud 1995: 114). — Current status: synonym of *Nucellopsis plicatilis* (Deshayes, 1835) (Merle 2005: 181).

*chrysostoma*, *Purpura* – Deshayes, 1844d: 2, pl. 86. — Type locality: Red Sea. — Type age: Recent. — Type material: MNHN-IM-2000-1029, 5 syntypes. — Current status: *Morula chrysostoma* (Deshayes, 1844) (Houart *et al.* 2019: 50).

*coronarius*, *Typhis* – Deshayes, 1865-DescrCoqFoss: 335-336, 88, as *Typhis coronatus*, pl. 88, figs 11-13. — Type localities: Cuisse-la-Motte & Laon. — Type age: Eocene (Ypresian). — Type species (OD) of *Laevityphis* Cossmann, 1903. Synonym of *Typhis muticus* J. Sowerby, 1834 (Radwin & D'Attilio 1976: 195). — Current status: *Laevityphis muticus* (J. Sowerby, 1834) (Houart *et al.* 2021: 141, fig. 20H-I).

*coronatus*, *Typhis* – see previous entry.

*crassicosatus*, *Murex* – Deshayes, 1835-DescrCoqFoss: 601-602, 43, pl. 82, figs 13-14; 1865-DescrCoqFoss: 318. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Type species (OD) of *Lyropurpura* Jousseume, 1880. — Current status: *Vitularia (Lyropurpura) crassicosata* (Deshayes, 1835) (Le Renard & Pacaud 1995: 114).

*cumingii*, *Leptoconchus* – Deshayes, 1863: 125-126, pl. 12, figs 26-27. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-127, 2 syntypes. Synonym of *Magilus antiquus* Montfort, 1810 (G. B. Sowerby III 1919; Wilson, 1994: 19). — Current status: *Leptoconchus cumingii* Deshayes, 1863 (Massin 1982: 14); *taxon inquirendum* (MolluscaBase).

*cuvieri*, *Concholepas* – Deshayes, 1853-TraitElem: 70, pl. 117, figs 12-13. — Type locality: none given. — Type age: Recent. — Current status: juvenile of the Chilean *Concholepas concholepas* (Brugière, 1789) [*Buccinum*] (MolluscaBase).

*cuvieri*, *Leptoconchus* – Deshayes, 1863: 128-129, pl. 13, figs 6-7. — Type locality: La Réunion. — Type age: Recent. Synonym of *Magilus antiquus* Montfort, 1810 (Wilson, 1994: 19). — Current status: *Leptoconchus cuvieri* Deshayes, 1863 (Massin 1982: 14).

*denudatus*, *Murex* – Deshayes, 1835-DescrCoqFoss: 601, 43, pl. 81, figs 4-6; 1865-DescrCoqFoss: 319. UCBL-EM32343, syntype. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32343, syntype. *Muricopsis denudata* (Deshayes, 1835) (Le Renard & Pacaud 1995: 114). — Current status: *Pterynotus (Pteryomarchia) denudatus* (Deshayes, 1835) (Merle *et al.* 2011: 124, pl. 89, figs 2-6).

*depauperatus*, *Murex* – Deshayes, 1865-DescrCoqFoss: 331-332, 87, pl. 87, figs 18-20. — Type locality: Auvers-sur-Oise. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 33151, syntype. *Muricopsis depauperata* (Deshayes, 1865) (Le Renard & Pacaud 1995: 114). — Current status: *Jowerbya depauperata* (Deshayes, 1865) (Merle 2005: 511, figs 5-7).

*deslongchampsii*, *Murex* – Deshayes, 1865-DescrCoqFoss: 321, 86, pl. 86, figs 16-17. — Type locality: Caumont. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32776, holotype. *Poirieria (Paziella) deslongchampsii* (Deshayes, 1865) (Le Renard & Pacaud 1995: 114). — Current status: *Textiliomurex deslongchampsii* (Deshayes, 1865) (Merle *et al.* 2011: 127, pl. 94, fig. 7).

*distans*, *Murex* – Deshayes, 1835-DescrCoqFoss: 592-593, 43, pl. 81, figs 24-25; 1865-DescrCoqFoss: 318-319. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32344, syntypes. *Favartia (?Murexiella) distans* (Deshayes, 1835) (Le Renard & Pacaud 1995: 114). — Type species (OD) of *Propefavartia* Merle, in Merle *et al.*, 2022. — Current status: *Propefavartia distans* (Deshayes, 1835) (Merle *et al.* 2022: 105, pl. 54, figs 1-6).

*distortus*, *Murex* – Deshayes, 1835-DescrCoqFoss: 599-600, 43, pl. 82, figs 15-16, *non* Brocchi, 1814; 1865-DescrCoqFoss: 318. — Type locality: Beynes. Eocene (Lutetian). Synonym of *Pterynotus tripteroides* (Lamarck, 1822) [*Murex*] (Pacaud 2007: 46). *Murex subdistortus* d'Orbigny, 1850b (d'Orbigny 1850b: 364, no. 532), was an unnecessary replacement name. — Current status: *Timbellus tripteroides* (Lamarck, 1822) (Merle *et al.* 2011: 130; Pacaud *et al.*, 2017: 61).

*emarginata*, *Purpura* – Deshayes, 1839d: 360; 1841: 2, pl. 25; 1844-Hist-NatAnim2: 94-95. — Type locality: “New Zealand” [San Miguel Island, California]; Mr. Chiron. — Type age: Recent. — Type material: MNHN-IM-2000-96, lectotype; MNHN-IM-2000-827, paralectotype (Marko *et al.* 2003: 78-79, fig. 1A-D). — Current status: the Californian *Nucella emarginata* (Deshayes, 1839) (McLean 2007: 742).

*flexuosus*, *Murex* – Deshayes, 1865-DescrCoqFoss: 326-327, 88, pl. 88, figs 4-5. — Type locality: Cuisse-la-Motte. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 989, syntype. *Poirieria (Flexopteron) flexuosa* (Deshayes, 1865) (Le Renard & Pacaud 1995: 114). — Current status: *Paziella (Flexopteron) flexuosa* (Deshayes, 1865) (Merle *et al.* 2011: 167, pl. 135, figs 7-9).

*fraterculus*, *Murex* – Deshayes, 1865-DescrCoqFoss: 324. — Type localities: Parnes, Thiverval-Grignon & Chambors. — Type age: Eocene (Lutetian). *Poirieria (Flexopteron) foliacea* [Melleville, 1843] *fraterculus* (Deshayes, 1865) (Le Renard & Pacaud 1995: 114). *Paziella fraterculus* (Deshayes, 1865) (Pacaud 2008: 63). — Current status: *Paziella (Flexopteron) foliacea fraterculus* (Deshayes, 1865) (Merle *et al.* 2011: 167, pl. 136, figs 9-10).



*freycinetii*, *Purpura* – Deshayes, 1839d: 360; 1841: 2, pl. 26; 1844-HistNatAnim2: 108-109. — Type locality: Kamchatka. — Type age: Recent. — Type material: MNHN-IM-2000-83, 3 syntypes. NHMUK 20020235, 3 possible syntypes. — Current status: *Nucella freycinetii* (Deshayes, 1839) (Kantor & Sysoev 2005: 115; Tsuchiya, in Okutani 2017: 960, pl. 252, fig. 10).

*fusoides*, *Murex* – Deshayes, 1865-DescrCoqFoss: 315, 87, pl. 87, figs 11-12. — Type localities: Caumont & Valmondois. — Type age: Eocene (Bartonian). — Type material: lectotype UCBL-EM 33384 (from Valmondois) designated by Merle *et al.* (2024: 516); paralectotypes: UCBL-EM 33383 (2 specimens from Caumont). *Pterynotus* (*Pterynotus*) *fusoides* (Deshayes, 1865) (Le Renard & Pacaud 1995: 114). — Current status: *Timbellus fusoides* (Deshayes, 1865) *nomen dubium*.

*jucundus*, *Murex* – Deshayes, 1865-DescrCoqFoss: 325-326, 87, as *Murex* “*formosus*”, pl. 87, figs 21-23. — Type locality: Chaussy. — Type age: Eocene (Lutetian). *Apixystus jucundus* (Deshayes, 1865) (Le Renard & Pacaud 1995: 114). — Current status: *Gemixystus jucundus* (Deshayes, 1865) (Pacaud 2008: 63).

*kienerii*, *Purpura* – Deshayes, 1844-HistNatAnim2: 64, 101-102. — Type locality: “Martinique” [actually Australia]. — Type age: Recent. Synonym of *Reishia bitubercularis* (Lamarck, 1822) [*Purpura*] (R. Houart pers. comm., March, 20 2020).

*lamarckii*, *Leptoconchus* – see next entry.

*lamarckii*, *Leptoconchus* – Deshayes, 1863: 127-128, pl. 12, figs 1-3, as *L. lamarckii*. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-982, 5 syntypes. Name should be corrected to *L. lamarckii* (ICZN Code Art. 32.5). — Type species (OD) of *Magilopsis* G. B. Sowerby III, 1919, now regarded as a synonym of *Leptoconchus* Rüppell, 1835. *Magilus lamarckii* (Deshayes, 1863) (Tsuchiya, in Okutani 2017: 972, pl. 266, fig. 10). — Current status: *Leptoconchus lamarckii* Deshayes, 1863 (Massin 1982: 16-17; Severns 2011: 278, pl. 122, fig. 4; Boutet *et al.* 2020: 388).

*laceratum*, *Murex* – Deshayes, 1856d: 79-81, pl. 3, figs 3-4; 1857: 419. — Type locality: Algeria; Deshayes coll. — Type age: Recent. — Current status: synonym of *Babelomurex cariniferus* (G. B. Sowerby II, 1834) [*Murex*] (MolluscaBase).

*leucostoma*, *Purpura* – Deshayes, 1863: 116-117, pl. 12, fig. 23. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-967, 12 syntypes. — Current status: synonym of *Usilla avenacea* (Lesson, 1842) [*Purpura*] (R. Houart pers. comm., March 27, 2020).

*macropterus*, *Murex* – Deshayes, 1839d: 360; 1841: 2, pl. 38; 1843-HistNatAnim2: 606-607; 1843-HistNatAnim3: 715. In 1839b, Deshayes cited his plate, but it did not appear until 1841. — Type locality: none given. — Type age: Recent. — Type material: MNHN-IM-2000-211, 2 syntypes. — Type species (OD) of *Pteropurpura* Jousseaume, 1880. — Current status: the Californian *Pteropurpura macroptera* (Deshayes, 1839) (Emerson 1964; Houart & Hendricks 2020: 30).

*maillardi*, *Leptoconchus* – Deshayes, 1863: 124-125, pl. 12, figs 28-20. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-206, syntype. — Current status: *Leptoconchus maillardi* Deshayes, 1863 (Massin 1982: 17); *taxon inquirendum* (MolluscaBase).

*micropterus*, *Murex* – Deshayes, 1835-DescrCoqFoss: 596-597, 43, pl. 82, figs 3-4; 1865-DescrCoqFoss: 316. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Type material: UCBL-EM32347, syntypes. *Pterynotus* (*Pterynotus*) *micropterus* (Deshayes, 1835) (Le Renard & Pacaud 1995: 114; Pacaud 2008: 63). — Current status: *Timbellus micropterus* (Deshayes, 1835) (Merle *et al.* 2011: 135, pl. 102, figs 1-5; Pacaud *et al.* 2017: 61).

*minutus*, *Fusus* – Deshayes, 1835b: 173-174, pl. 19, figs 31-33, *non* Röding, 1798, *nec* Lamarck, 1803, *nec* T. Brown, 1827; 1843-HistNatAnim2: 474; 1843-HistNatAnim3: 669. — Type locality: Peloponnese Peninsula, Greece. — Type age: Recent. Probable synonym of *Ocinebrina aciculata* (Lamarck, 1822) [*Murex*] (Snyder 2022: 131). Crocetta *et al.* (2012) incorrectly assumed that Deshayes was referencing Lamarck’s 1803 Eocene species.

*multistriatus*, *Murex* – Deshayes, 1865-DescrCoqFoss: 332, 88, pl. 88, figs 8-10. — Type locality: Noailles. — Type age: Paleocene (Thanetian). — Current status: synonym of *Lyrofusus angusticostatus* (Melleville, 1843) [*Fusus*] (Merle *et al.* 2024).

*pauperculus*, *Fusus* – Deshayes, 1833d: 66, pl. 65, figs 15-17. — Type locality: northern Red Sea. — Type age: Recent. E. Lamy (1927: 380) noted that previous authors had doubtfully compared it with *Fusus strigatus* Philippi, 1850, and with *F. tuberculatus* Lamarck, 1822. Tomlin & Salisbury (1928: 33) stated that this was “A *Murex*, but hardly determinable”, which Snyder (2006: 158, 275) followed. If this species is a “*Murex*”, it would be a secondary senior homonym of *Murex pauperculus* C. B. Adams, 1850, a widely cited Caribbean species now placed in *Dermomurex*. — Current status: Deshayes’ name has not been used as an available species and is here regarded as a *nomen dubium*, as agreed by Lyons & Snyder (2019: 12).

*plicatilis*, *Murex* – Deshayes, 1835-DescrCoqFoss: 588, 43, pl. 81, figs 16-21 [figs 16-18 not cited in text]; 1837-DescrCoqFoss: 813 [correction made]; 1865-DescrCoqFoss: 330-331 — Type localities: Rethuil & Cuise-la-Motte. — Type age: Eocene (Ypresian). — Type species (OD) of *Nucellopsis* Merle, 2005. *Muricopsis plicatilis* (Deshayes, 1835) (Le Renard & Pacaud 1995: 114). — Current status: *Nucellopsis plicatilis* (Deshayes, 1835) (Merle 2005: 181).

*purpura*, *Murex* – Deshayes, 1843-HistNatAnim2: 595; 1843-HistNatAnim3: 711. Unnecessary replacement name for *Murex miliaris* Gmelin, 1791, in a desire to reflect Chemnitz’ unavailable name. — Type age: Recent. — Current status: synonym of the Philippines *Vitulularia miliaris* (Gmelin, 1791) [*Murex*] (E. H. Vokes 1971: 87).

*rarisulcatus*, *Fusus* – Deshayes, 1835-DescrCoqFoss: 556, 40, pl. 76, figs 32-34; 1865-DescrCoqFoss: 286. — Type locality: Monneville. — Type age: Eocene (Bartonian). *Muricopsis rarisulcatus* (Deshayes, 1835) (Le Renard & Pacaud 1995: 114, 115; Snyder 2022: 164). — Current status: *Ocinebrina rarisulcata* (Deshayes, 1835) (Merle *et al.* 2022: 35).

*rudis*, *Murex* – Deshayes, 1835-DescrCoqFoss: 593-594, 43, pl. 81, figs 1-3, *non* Borson, 1826; 1865-DescrCoqFoss: 321-322. — Type localities: Valmondois & Barton-on-Sea (England). — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32341, syntypes from Valmondois. *Murex subrudis* d’Orbigny, 1850b (d’Orbigny 1850b: 417, no. 1497), replacement name. — Current status: *Eofavartia subrudis* (d’Orbigny, 1850) (Merle 2002; Pacaud 2007: 46; Merle *et al.* 2022: 154, pl. 147, figs 1-9).

*ruppellii*, *Leptoconchus* – Deshayes, 1863: 126-127 [as *ruppellii*], 144 [corrected to *ruppellii*], pl. 13, figs 4-5. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-902, 3 syntypes; MNHN-IM-2000-903, 5 syntypes. Synonym of *Magilus antiquus* Montfort, 1810 (Wilson 1994: 19). — Current status: *Leptoconchus ruppellii* Deshayes, 1863 (Massin 1982: 19, as *L. “ruepellii”*); *taxon inquirendum* (MolluscaBase).

*savignyi*, *Purpura* – Deshayes, 1844-HistNatAnim2: 112-113, based on Savigny’s figure. — Type locality: Red Sea. — Type age: Recent. — Type material: MNHN-IM-2000-894, syntype (figured by Bouchet & Danrigal 1982: 15, fig. 30). — Type species (OD) of *Tylothais* Houart, 2017. — Current status: *Tylothais savignyi* (Deshayes, 1844) (Claremont *et al.* 2012: 94, as *Thalessa*; Houart 2017: 92).

*serriale*, *Buccinum* – Deshayes, 1833d: 66, pl. 65, figs 32-34. — Type locality: northern Red Sea. — Type age: Recent. Several authors have erroneously spelled the species name as “*serrialis*” (e.g., Lee & Chao 2003: 34, 42, pl. 4, fig. 21). Cernohorsky (1982: 132, fig. 22) designated Deshayes’ illustration as the lectotype of this species. — Current status: *Maculotriron serriale* (Deshayes, in Laborde, 1833) (Houart, in Poppe 2008b: 200, pl. 395, fig. 1; Severns 2011: 280, pl. 123, fig. 8; Tsuchiya, in Okutani 2017: 956, pl. 249, fig. 8; Houart *et al.* 2019: 50; Boutet *et al.* 2020: 374), widely distributed in the Indo-Pacific.

*spinulosus*, *Murex* – Deshayes, 1835-DescrCoqFoss: 590-591, 43, pl. 81, figs 13-15; 1865-DescrCoqFoss: 327-328. — Type localities: Monneville & Senlis. — Type age: Eocene (Bartonian). Preoccupies *Murex spinulosus* O. G. Costa, 1861, which is now considered to be a synonym of *Murexsul aradasii* (Monterosato, 1863) [*Murex*]. *Poirieria (Flexopteron) spinulosa* (Deshayes, 1865) (Le Renard & Pacaud 1995: 114). — Current status: *Paziella (Flexopteron) spinulosa* (Deshayes, 1865) (Merle *et al.* 2011: 167, pl. 138, figs 3-5).

*squamigera*, *Purpura* – Deshayes, 1832b: 426-427, 440, 523, pl. 3, figs 10-12; 1844-HistNatAnim2: 103-104. — Type locality: Islands in the Sunda Strait; Bélanger. — Type age: Recent. — Type material: MNHN-IM-2000-263, 3 syntypes. — Current status: *Semiricinula squamigera* (Deshayes, 1832) (Claremont *et al.* 2012: 94).

*squamosa*, *Purpura* – Deshayes, 1832b: 427-428, 440, 523, pl. 2, figs 6-8, *non Lamarck*, 1816; 1844-HistNatAnim2: 104, renamed *Purpura squamulosa* Deshayes, 1844, *non* J. E. Gray, 1839. — Type locality: coast of western India; Bélanger. — Type age: Recent. — Type material: missing. — Current status: synonym of *Drupella margariticola* (Broderip, in Broderip & G. B. Sowerby I, 1833) [*Murex*] (Cernohorsky 1982: 116-117, figs 15-18). Concerning the phylogenetic genetic complexities of this species, but without mention of Deshayes’ taxon, see Claremont *et al.* (2011).

*squamulosa*, *Purpura*; see: *squamosa*, *Purpura*

*sublamellosus*, *Fusus* – Deshayes, 1835-DescrCoqFoss: 549-550, 40, pl. 76, figs 22-29 [figs 25-26 not cited in text]; 1843-HistNatAnim2: 500-501; 1843-HistNatAnim3: 679; 1865-DescrCoqFoss: 275. — Type locality: Monneville. — Type age: Eocene (Bartonian). *Trophonopsis sublamellosus* (Deshayes, 1835) (Le Renard & Pacaud 1995: 114; Snyder 2022: 190). — Current status: synonym of *Buccinum defossum* Pilkington, 1804, type species of *Pseudotrophonopsis* Merle, 2024 (Merle *et al.* 2024: 540).

*tectumsinense*, *Murex* – Deshayes, 1856d: 78-79, pl. 3, figs 1-2; 1857: 419. — Type locality: Algeria; Deshayes coll. — Type age: Recent. — Current status: *Babelomurex tectumsinensis* (Deshayes, 1856) (Cossignani & Ardochini 2011: 27, 278; Vazzana 2015: 10, fig. 2; Alf & Haszprunar, in Alf *et al.* 2020: 203, pl. 168).

*tricarinoideis*, *Murex* – Deshayes, 1835-DescrCoqFoss: 598-599, 43, pl. 82, figs 11-12. — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 33218, lectotype from Parnes (Pacaud *et al.* 2017). *Pterynotus (Pterynotus) tricarinoides* (Deshayes, 1835) (Le Renard & Pacaud 1995: 114; Pacaud 2008: 63; Courville *et al.* 2012: 66, pl. 6, fig. 5, as *Timbellus*). — Current status: synonym of *Timbellus crenulatus* [Röding, 1798] *tricarinatus* (Lamarck, 1803) [*Murex*] (Pacaud *et al.* 2017: 60, figs 1-2).

*tricuspidatus*, *Murex* – Deshayes, 1835-DescrCoqFoss: 600, 43, pl. 81, figs 22-23. — Type locality: Valmondois. — Type age: Eocene (Bartonian). *Pterynotus (Pterynotus) crenulatus* [Röding, 1798] *tricuspidatus* (Deshayes, 1835) (Le Renard & Pacaud 1995: 114). — Current status: synonym of *Timbellus crenulatus* (Röding, 1798) [*Purpura*] (Merle *et al.* 2011: 134, pl. 99, figs 1-5).

*variabilis*, *Purpura* – Deshayes, 1863: 115-116, pl. 12, fig. 22. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-886, 3 syntypes; MNHN-IM-2000-887, 5 syntypes. — Current status: synonym of *Usilla avenacea* (Lesson, 1842) [*Purpura*] (Tröndlé & Houart, 1992).

*foliaceus*, *Murex* – Deshayes, 1865-DescrCoqFoss: 324-325, 87, pl. 87, figs 27-30. Made available by Melleville (1843: 115-116 [70, 87], pl. 9, figs 4-6). — Type locality: Mons-en-Laonnois. — Type age: Eocene (Ypresian). — Current status: *Paziella (Flexopteron) foliacea fraterculus* (Deshayes, 1865) (Merle *et al.* 2011: 167, pl. 136, figs 9-10).

*globulosus*, *Magilus* – G. B. Sowerby II, 1872a: pl. 3, fig. 10, *ex* Deshayes ms. — Type locality: none given. — Type age: Recent. — Current status: *Leptoconchus globulosus* G. B. Sowerby II, 1872 (Massin 1982: 16); *taxon inquirendum* (MolluscaBase).

*monoplex*, *Purpura (Monoplex)* – Sandberger, 1861: 225-226, 1860: pl. 18, fig. 10-10a, b, *ex* Deshayes ms. — Type localities: Jeurre & Welschberg (Germany). — Type age: Oligocene (Rupelian). — Current status: *Cymia monoplex* (Sandberger, 1861) (Cossmann & Lambert 1884: 174-175, pl. 5, fig. 18, as “Deshayes” and as “*var. disjuncta*”; Lozouet 2012).

*serratis*, *Magilus* – G. B. Sowerby II, 1872a: pl. 3, fig. 8a-b, *ex* Deshayes ms. — Type locality: none given. — Type age: Recent (Petit 2009: 165). — Current status: *Leptoconchus serratis* (G. B. Sowerby II, 1872) (Massin 1982: 20); *taxon inquirendum* (MolluscaBase).

#### Family COSTELLARIIDAE MacDonald, 1860

*aizyensis*, *Mitra* – Deshayes, 1865-DescrCoqFoss: “579-580” [589-590], 103, pl. 103, figs 6-7. — Type locality: Aizy-Jouy. — Type age: Eocene (Ypresian). — Current status: *Vexillum (Uromitra) aizyense* (Deshayes, 1865) (Le Renard & Pacaud 1995: 118).

*barbieri*, *Mitra* – Deshayes, 1865-DescrCoqFoss: “578-579” [588-589], 103, pl. 103, figs 20-23. — Type localities: Parnes, Fontenay-en-Vexin, Chaumont-en-Vexin, Hérrouval, Mouchy-le-Châtel & Saint-Félix. — Type age: Eocene (Lutetian). — Current status: *Vexillum (Uromitra) barbieri* (Deshayes, 1865) (Le Renard & Pacaud 1995: 118; Pacaud 2008: 63).

*depexa*, *Mitra* – Deshayes, 1833d: 66, pl. 65, figs 23-25. — Type locality: northern Red Sea. — Type age: Recent. Listed in Sherborn (1930: 5468) as *Mitra “repexa”*. — Current status: *Vexillum (Pusia) depexum* (Deshayes, in Laborde, 1833) (Dekker & Orlin 2000: 30; Turner 2001: 28; Rusmore-Villaume 2008: 120-121; Poppe & Tagaro, in Poppe 2011: 570, pl. 1276, figs 9-10), endemic to Red Sea; introduced into eastern Mediterranean.

*extranea*, *Mitra* – Deshayes, 1865-DescrCoqFoss: “580” [590], 103, pl. 103, figs 11-13. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). *Vexillum (Uromitra) extraneum* (Deshayes, 1865) (Le Renard & Pacaud 1995: 118).

*leucozonias*, *Mitra* – Deshayes, 1833d: 66, pl. 65, figs 26-28. — Type locality: northern Red Sea. — Type age: Recent. — Current status: *Vexillum (Pusia) leucozonium* (Deshayes, in Laborde, 1833). The Indo-Pacific *Vexillum leucozonias* (Deshayes, in Laborde, 1833) (Sharabati 1984: 68, pl. 27, fig. 5; Dekker & Orlin 2000: 30; Rusmore-Villaume 2008: 122-123; Poppe, Tagaro & Martin, in Poppe 2008b: 314, pl. 452, figs 7-9; Severns 2011: 302, pl. 134, fig. 3; Tsuchiya, in Okutani 2017: 991, pl. 284, fig. 13; Boutet *et al.* 2020: 397).

*quoyi*, *Mitra* – Deshayes, 1844-HistNatAnim2: 326, 348-349 [November]. — Type locality: Carteret, Nouvelle-Irlande [New



Guinea]. — Type age: Recent. Replacement name for *Mitra nigra* Quoy & Gaimard, 1833, *non Mitra nigra* (Gmelin, 1791) [*Voluta*], now *Isara*. — Current status: synonym of the Indo-Pacific *Vexillum oleacea* (Reeve, 1844 [September]) [*Mitra*]. *Zierliana oleacea* (Reeve, 1844) (Salvat & Rives 1975: 342, fig. 310, without synonymy), now *Vexillum oleaceum* (Reeve, 1844) (MolluscaBase).

#### Family VOLUTOMITRIDAE J. E. Gray, 1854

*angystoma*, *Mitra* – Deshayes, 1865-DescrCoqFoss: “569-570” [579-580], 103, pl. 103, figs 26-27. — Type locality: Acy-en-Multien. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32819, holotype. — Current status: *Conomitra angystoma* (Deshayes, 1865) (Le Renard & Pacaud 1995: 118).

*hordeola*, *Mitra* – Deshayes, 1865-DescrCoqFoss: “576” [586], 103, pl. 103, figs 17-19. — Type localities: Laon, Cuise-la-Motte, Mercin-et-Vaux, Laversine & Hérouval. — Type age: Eocene (Ypresian). — Current status: *Conomitra hordeola* (Deshayes, 1865) (Le Renard & Pacaud 1995: 118; Pacaud 2007: 48).

*inaspecta*, *Mitra* – Deshayes, 1865-DescrCoqFoss: “574-575” [584-585], 103, pl. 103, figs 14-16. — Type locality: Auvers-sur-Oise. — Type age: Eocene (Bartonian). — Current status: *Conomitra inaspecta* (Deshayes, 1865) (Le Renard & Pacaud 1995: 118).

*prisca*, *Mitra* – Deshayes, 1865-DescrCoqFoss: “577-578” [587-588], 103, pl. 103, figs 8-10. — Type localities: Brimont, Châlons-sur-Vesle & Gueux. — Type age: Paleocene (Thanetian). — Current status: *Conomitra prisca* (Deshayes, 1865) (Le Renard & Pacaud 1995: 118; Leroy et al. 2014: 25, pl. 28, fig. 13).

#### Family MITRIDAE Swainson, 1831

*brongiarti*, *Mitra* – Deshayes, 1832-EncyMeth: 468; 1835-DescrCoqFoss: 665-666, 46, pl. 89, figs 9-10 [pl. mistakenly cited in text as 99]; 1837-DescrCoqFoss: 813, correction noted; 1844-HistNatAnim2: 361-362; 1865-DescrCoqFoss: “567-568” [577-578], synonym of *Mitra delucii* (Defrance, 1824). — Type localities: Parnes, Liancourt-Saint-Pierre & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Episcomitra delucii* (Defrance, 1824) (Pacaud herein).

*fasciolaris*, *Mitra* – Deshayes, 1833d: 66, pl. 65, figs 18-19. — Type locality: northern Red Sea. — Type age: Recent. *Mitra fasciolaris* Deshayes, in Laborde, 1833 (Sharabati 1984: 66, pl. 26, fig. 1; D. T. Bosch et al. 1995: 149, fig. 625; Dekker & Orlin 2000: 29; Rusmore-Villaume 2008: 116-117). — Current status: *Strigatella fasciolaris* (Deshayes, in Laborde, 1833) (Fedosov et al. 2018: 301), endemic to the Red Sea.

*lamarckii*, *Mitra* – Deshayes, 1832-EncyMeth: 448; 1844-HistNatAnim2: 342-343. — Type locality: none given. — Type age: Recent. — Current status: the Philippines *Quasimitra lamarckii* (Deshayes, 1832) (Poppe & Tagaro, in Poppe 2011: 594, pl. 1288, fig. 5, as *Mitra*).

*lutescente*, *Mitra* – Deshayes, 1844-HistNatAnim2: 323. Misspelling of *Mitra lutescens* Lamarck, 1811, a synonym of *Mitra cornicula* Linnaeus, 1758 (Cernohorsky 1976: 369-371).

*pica*, *Mitra* – Deshayes, 1844-HistNatAnim2: 331, ex Chemnitz ms. No locality indicated. — Type age: Recent. Name made available by Dillwyn, 1817, also as ex Chemnitz ms, an Indo-Pacific species (Cernohorsky 1976: 304-305, 479-480, pl. 258, figs 4-5, pl. 430, figs 2-4, pl. 430A).

#### Family CHARITODORONIDAE Fedosov, Hermann, Kantor & Bouchet, 2018

*angustus*, *Fusus* – Deshayes, 1835-DescrCoqFoss: 543-544, 40, pl. 76, figs 30-31; 1865-DescrCoqFoss: 266. — Type locality: near Soissons. — Type age: Eocene (Ypresian). *Ptychtractus angustus* (Deshayes, 1835) (Le Renard & Pacaud 1995: 117; Pacaud 2007: 48, 53, fig. 11B; Snyder 2022: 25). — Current status: *Olindieria angusta* (Deshayes, 1835) (Lozouet 2021b: 14, fig. 5a-d).

*cylindraceus*, *Fusus* – Deshayes, 1865-DescrCoqFoss: 268, 86, pl. 86, figs 19-20. — Type locality: Caumont. — Type age: Eocene (Bartonian). *Ptychtractus cylindraceus* (Deshayes, 1865) (Le Renard & Pacaud 1995: 116; Snyder 2022: 66). — Current status: *Olindieria cylindracea* (Deshayes, 1865) (Lozouet 2021b: 14).

*exceptiunculus*, *Fusus* – Deshayes, 1864-DescrCoqFoss: 84, pl. 84, figs 10-12; 1865-DescrCoqFoss: 266-267. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32759, syntype. *Ptychtractus exceptiunculus* (Deshayes, 1864) (Le Renard & Pacaud 1995: 117; Pacaud 2008: 67; Snyder, 2022: 80). — Current status: *Olindieria exceptiuncula* (Deshayes, 1864) (Pacaud herein).

*seminuda*, *Pleurotoma* – Deshayes, 1865-DescrCoqFoss: 401, 98, pl. 98, figs 18-19, *non* Anton, 1838. Made available by Melleville (1843: 110 [64, 86], pl. 8, fig. 12-14). — Type locality: none given. — Type age: Eocene (Ypresian). — Current status: synonym of *Olindieria angusta* (Deshayes, 1834) (Pacaud herein).

#### Family OLIVIDAE Latreille, 1825

*Dipsaccus* – Deshayes, 1830b-EncyMeth: 89, ex Klein ms. Dictionary entry taken from an unavailable work and not used as a valid name

*nitidula*, *Oliva* – Deshayes, 1835-DescrCoqFoss: 741, 50, figs 96, figs 19-20; 1844-HistNatAnim2: 637; 1865-DescrCoqFoss: 530. — Type localities: Thiverval-Grignon, Beynes, Courtagnon & Parnes. — Type age: Eocene (Lutetian). *Olivella parisiensis* Cossmann, 1899b (Cossmann 1899b: 178), replacement name, as *non Voluta nitidula* Dillwyn, 1817, an *Olivella*, although a junior synonym of *Olivella minuta* (Link, 1809) [*Porphyria*]. — Current status: *Olivancillaria (Pseudolivella) parisiensis* (Cossmann, 1899) (Le Renard & Pacaud 1995: 121; Tréguier & Pacaud 2018: 208).

*patulum*, *Buccinum* – Deshayes, 1835-DescrCoqFoss: 646-647, 45, pl. 88, figs 5-6, *non* Linnaeus, 1758; 1844-HistNatAnim2: 211; 1865-DescrCoqFoss: 495. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 30549, lectotype (Pacaud & Cazes, 2014); EM 30550, paralectotype. *Bullia patula* (Deshayes, 1835) (Le Renard & Pacaud 1995: 114; Pacaud & Cazes 2014: 17, showing residual colour patterns). *Ancillopsis patula* (Deshayes, 1835) (Allmon & Friend 2023: 16, 18, figs 8.22, 8.23, 9.15). — Current status: synonym of *Ancillopsis ovalis* (J. de C. Sowerby, in Dixon, 1850) (Pacaud herein).

*micans*, *Oliva* – Bezançon, 1870: 321-323, pl. 10, fig. 6, ex Deshayes ms. — Type locality: Acy-en-Multien. — Type age: Eocene (Bartonian). — Current status: *Pseudolivella micans* (Bezançon, 1870).

## Family ANCILLARIIDAE Swainson, 1840

*conoidea*, *Ancillaria* – Deshayes, 1830a-EncyMeth: 44-45. — Type locality: Touraine. — Type age: Miocene (Serravallian). Listed by Voskuil (2018: 22). — Current status: *Ancilla* (*Baryspira*) *glandiformis* [Lamarck, 1810] *conoidea* (Deshayes, 1830) (Peyrot 1928: 189-190, pl. 7, figs 13-14, as “1832”).

*dubia*, *Ancillaria* – Deshayes, 1830a-EncyMeth: 45; 1835-DescrCoqFoss: 734, 49, pl. 96, figs 3-5, 8-9; 1865-DescrCoqFoss: 536. — Type localities: Beauchamp, Thiverval-Grignon & Mouchy-le-Châtel. — Type age: Eocene (Lutetian-Bartonian). Listed by Voskuil (2018: 22, and again on p. 25, as if it were a junior homonym). *Amalda* (*Baryspira*) *dubia* (Deshayes, 1830) (Le Renard & Pacaud 1995: 121; Pacaud 2008: 66). — Current status: *Amalda dubia* (Deshayes, 1830) (Tréguier & Pacaud 2018: 207).

*eburnea*, *Ancillaria* – Deshayes, 1830a-EncyMeth: 42; 1844-HistNatAnim2: 591-592. — Type locality: none given. — Type age: Recent. — Type material: MNHN-IM-2000-1336, syntype. Listed in Voskuil (2018: 22). — Current status: the Gulf of Suez *Ancilla eburnea* (Deshayes, 1830) (Kilburn 1981: 385-386, figs 48, 101, 114-120; Rusmore-Villaume 2008: 112-113).

*elongata*, *Ancillaria* – Deshayes, 1830a-EncyMeth: 45-46; 1844-HistNatAnim2: 600. — Type locality: Touraine. — Type age: Miocene. Listed by Voskuil (2018: 22). Preoccupies *Ancillaria elongata* J. E. Gray, 1874, which was renamed *Ancilla muscae* Pilsbry, 1926. — Current status: synonym of *Ancilla* (*Baryspira*) *glandiformis* (Lamarck, 1810) [*Ancillaria*] (Peyrot 1938: 252), now *Amalda glandiformis* (Lamarck, 1810).

*glandina*, *Ancillaria* – Deshayes, 1835-DescrCoqFoss: 731-732, 49, pl. 96, figs 1-2; 1865-DescrCoqFoss: 535-536. — Type localities: Courtagnon & Senlis. — Type age: Eocene (Lutetian). Listed by Voskuil (2018: 25). — Current status: *Ancillus* (*Turrancilla*) *glandina* (Deshayes, 1835) (Le Renard & Pacaud 1995: 121; Pacaud 2008: 68).

*inflata*, *Ancillaria* – Deshayes, 1830a-EncyMeth: 44, *non* Borson, 1820; 1835-DescrCoqFoss: 732-733, 50, pl. 97, figs 15-16; 1844-HistNatAnim2: 599; 1865-DescrCoqFoss: 535. *Ancillaria obesula*, replacement name (see below). — Type localities: Ermenonville, La Chapelle-en-Serval, Valmondois, Monneville & Mouchy-le-Châtel. — Type age: Eocene (Bartonian). Listed by Voskuil (2018: 22).

*lamarckii*, *Ancillaria* – Deshayes, 1865-DescrCoqFoss: 534-535. — New species based on *Ancillaria buccinoides* (Lamarck, 1803) [*Ancilla*], of Lamarck (1816: pl. 393, fig. 1a-b) and Deshayes (1835-DescrCoqFoss: 730-731 *partim*, pl. 92, fig. 11-12), *non* Lamarck, 1803. — Type localities: Thiverval-Grignon, Parnes & Le Guépelle. — Type age: Eocene (Lutetian). — Type material: syntype from Thiverval-Grignon, MNHN.FA94812 (Lamarck coll.). *Ancillus* (*Turrancilla*) *lamarckii* (Deshayes, 1865) (Le Renard & Pacaud 1995: 121; Pacaud 2008: 66). Listed by Voskuil (2018: 25, 38, ambiguously as renamed homonym). — Current status: *Spirancilla lamarckii* (Deshayes, 1865) (Pacaud *et al.* 2013: 38).

*obesula*, *Ancillaria* – Deshayes, 1865-DescrCoqFoss: 535. Replacement name for *Ancillaria inflata* Deshayes, 1835 (see above), *non* (Borson, 1820) [*Ancilla*]. Listed by Voskuil (2018: 25, 38). — Current status: *Ancillus* (*Turrancilla*) *obesulus* (Deshayes, 1865) (Le Renard & Pacaud 1995: 121).

*volutella*, *Ancillaria* – Deshayes, 1831c: [2], pl. 31. — Type locality: Indian Ocean; Mr. Michelin. — Type age: Recent. — Type species (OD) of *Cymbancilla* P. Fischer, 1881, now regarded as a synonym of *Anolacia* J. E. Gray, 1857. — Current status: synonym of *Anolacia mauritiana* G. B. Sowerby I, 1830 [*Ancillaria*] (Voskuil 2018: 23), the type species (M) of Gray's genus.

*subulata*, *Ancillaria* – Voskuil (2018: 29) listed this as “Deshayes, *not A. subulata* Lamarck, 1803”, but Deshayes credited this species to Lamarck, so it would only be an asserted misuse.

## Family BENTHOBIIDAE

Kantor, Fedosov, Puillandre, Bonillo & Bouchet, 2017

*prisca*, *Etallonia* – Deshayes, 1862-DescrCoqFoss: 607-608; 1863-DescrCoqFoss: 40, pl. 40, figs 4-6. — Type localities: Jonchery-sur-Vesle & Gueux. — Type age: Paleocene (Thanetian). Listed by Voskuil (2018: 37). — Current status: *Fusulculus prisca* (Deshayes, 1862) (Pacaud & Tracey 2000: 54, 57, pl. 1, fig. 4a-b; Pacaud 2020a: 9).

Pseudolividae de Gregorio, 1880

*fissuratum*, *Buccinum* – Deshayes, 1835-DescrCoqFoss: 656, 45, pl. 87, figs 21-22; 1844-HistNatAnim2: 226. 1858: 554, as *Pseudoliva*; 1865-DescrCoqFoss: 508-509, as *Pseudoliva*. — Type localities: Noailles & Abbecourt. — Type age: Paleocene (Thanetian). Listed by Voskuil (2018: 25). This species has been mistakenly listed as the type species of *Sulcobuccinum*, which is instead *Buccinum tiara* (see below). — Current status: *Pseudoliva fissurata* (Deshayes, 1835) (Le Renard & Pacaud 1995: 114; Pacaud 1998: 14, 17; Pacaud 2007: 48).

*obtusum*, *Buccinum* – Deshayes, 1835-DescrCoqFoss: 657, 45, pl. 88, figs 1-2, *non* Gmelin, 1791; 1844-HistNatAnim2: 226; 1865-DescrCoqFoss: 508, as *Pseudoliva*. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). Listed by Voskuil (2018: 25). *Pseudoliva obtusa* (Deshayes, 1835) (Le Renard & Pacaud 1995: 114; Pacaud 2008: 66; Pacaud 2009b: 6). — Current status: synonym of *Pseudoliva aizyensis* Watelet, 1875 (Pacaud *herein*).

*semicostatatum*, *Buccinum* – Deshayes, 1835-DescrCoqFoss: 657-658, 45, pl. 88, figs 3-4, *non* Brocchi, 1814; 1844-HistNatAnim2: 227-228; 1865-DescrCoqFoss: 508, as *Pseudoliva*. — Type locality: Soissons. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32357, syntypes. — Current status: synonym of *Pseudoliva laudunensis* (Defrance, 1826) (Le Renard & Pacaud 1995: 114; Pacaud 1998: 20; Voskuil 2018: 25; Valdés & Lozouet 2000: 459).

*tiara*, *Buccinum* – Deshayes, 1835-DescrCoqFoss: 655-656, 45, pl. 87, figs 23-24; 1844-HistNatAnim2: 228-229; 1865-DescrCoqFoss: 509, as synonym of *Pseudoliva prima* (Defrance, 1827) [*Struthiolaria*]. — Type localities: Abbecourt & Noailles. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32356, lectotype (Villatte 1970), -EM 33415, 1 paralectotype from Abbecourt; -EM 33416 & 33417, 2 paralectotypes from Noailles. *Buccinum tiara* is the type species (SD Pictet, 1853-1857: 44, plate caption) of *Sulcobuccinum* d'Orbigny, 1850. *Poponeum primum* (Defrance, 1827) (Pacaud 1998: 14, 19, figs 13-14; Pacaud & Schnetler 1999: 56; Pacaud 2009b: 6), which Squires *et al.* (1989) placed in the new genus *Poponeum* Squires, 1989. However, because of an incorrectly interpreted type species of *Sulcobuccinum*, *Poponeum* Squires, 1989, is a synonym of *Sulcobuccinum* d'Orbigny, 1850. Listed by Voskuil (2018: 25). — Current status: *Sulcobuccinum primum* (Defrance, 1827).

## Family CONIDAE L. Fleming, 1822

*Cylindrus* – Deshayes, 1824-DictClass5: 236. Unjustified emendation of *Cylinder* Montfort, 1810. Placed on the Official Index by Opinion 2422, 2018.

*acutus*, *Conus* – Deshayes, 1865-DescrCoqFoss: 426, 100, pl. 100, figs 20-21, *non* Anton, 1838, *non* G. B. Sowerby II, 1857. — Type



localities: Thiverval-Grignon, Chambors & Gomerfontaine. — Type age: Eocene (Lutetian). *Conus macrocentrus* Bayan, 1873a (Bayan 1873a: 110), replacement name. — Current status: *Hemiconus macrocentrus* (Bayan, 1873) (Le Renard & Pacaud 1995: 122).

*angularis*, *Conus* – Deshayes, 1833e: 124, 128, *nomen nudum*. — Type localities: Baden & Enzersfeld, Austria. — Type age: Tertiary [probably Miocene].

*calvimontanus*, *Conus* – Deshayes, 1865-DescrCoqFoss: 416, 100, pl. 100, figs 5-6. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Current status: *Conus (Stephanoconus) calvimontanus* Deshayes, 1865 (Le Renard & Pacaud 1995: 122; Pacaud 2008: 67).

*crenulatus*, *Conus* – Deshayes, 1835-DescrCoqFoss: 750, 50, pl. 98, figs 3-4 [cited in text and pl. expl. as figs 7-8, which are actually *Conus sulciferus*]; 1837-DescrCoqFoss: 813, 814 [correction in figure citations made]; 1845-HistNatAnim2: 157-158; 1865-DescrCoqFoss: 415. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32374, lectotype (Kohn 1992: 259-260, fig. 514). Preoccupies *Conus crenulatus* Kiener, 1860, which was replaced by *Conus armiger* Crosse, 1858 (Breure *et al.* 2022a: 64). — Current status: synonym of *Conus (Stephanoconus) decussatus* Deshayes, 1823 (Pacaud herein).

*decussatus*, *Conus* – Deshayes, 1823-DictClass4: 387. — Type locality: Valmondois. — Type age: Eocene (Bartonian). Kohn (1988: 32; 1992: 209) thought that this species was a *nomen dubium*. However, it is a good species, for which Deshayes later also proposed *Conus crenulatus*, perhaps from the same material. — Current status: *Conus (Stephanoconus) decussatus* Deshayes, 1823 (Le Renard & Pacaud 1995: 122).

*defrancii*, *Conus* – Deshayes, 1865-DescrCoqFoss: 425, 100, pl. 100, figs 7-9. — Type localities: Thiverval-Grignon, Houdan, Mouchy-le-Châtel, Damery, Parnes & Chambors. — Type age: Eocene (Lutetian). — Current status: *Hemiconus defrancii* (Deshayes, 1865) (Le Renard & Pacaud 1995: 122; Pacaud 2008: 67; Caze *et al.* 2012: 46, fig. 20G, showing residual colour patterns).

*derelictus*, *Conus* – Deshayes, 1865-DescrCoqFoss: 422-423, 100, pl. 100, figs 1-2. — Type localities: Chaussy & Thiverval-Grignon. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32802, syntype from Chaussy. — Current status: *Conus (Leptoconus) derelictus* (Deshayes, 1865) (Le Renard & Pacaud 1995: 122; Pacaud 2008: 67).

*disjunctus*, *Conus* – Deshayes, 1865-DescrCoqFoss: 419-420, 100, pl. 100, figs 17-19. — Type localities: Thiverval-Grignon, Ully-Saint-Georges, Damery & Cumières. — Type age: Eocene (Lutetian). — Current status: *Hemiconus disjunctus* (Deshayes, 1865) (Le Renard & Pacaud 1995: 122; Pacaud 2008: 67; Caze *et al.* 2012: 46, fig. 20F, showing residual colour patterns).

*diversiformis*, *Conus* – Deshayes, 1835-DescrCoqFoss: 747, 50, pl. 98, figs 9-12; 1845-HistNatAnim2: 162-163; 1865-DescrCoqFoss: 423. — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32375, lectotype (Kohn 1992: 260, figs 516-518); UCBL-EM 32376, paralectotype from Parnes; UCBL-EM 32377-32379, paralectotypes from Mouchy-le-Châtel. — Current status: *Conus (Leptoconus) diversiformis* (Deshayes, 1865) (Le Renard & Pacaud 1995: 122). *Eoconus difersiformis* (Deshayes, 1865) (Tucker & Tenorio 2009: 142; Caze *et al.* 2012: 46, fig. 20C, showing residual colour patterns; Tréguier & Pacaud 2018: 208).

*dujardini*, *Conus* – Deshayes, 1845-HistNatAnim2: 158-159. — Type localities: Touraine, Dax, Bordeaux & Vienna, Austria. — Type age: Miocene. *Conus (Conospira) dujardini* Deshayes, 1845 (Peyrot

1931a: 85-87; 1931b: pl. 1, figs 46-47, 49; Glibert 1952: 371-372, pl. 12, fig. 13). *Conilithes dujardini* (Deshayes, 1845) (Tucker & Tenorio 2009: 137). — Current status: synonym of *Conilithes exaltatus* (Eichwald, 1830) [*Conus*] (Harzhauser & Landau 2016: 51-53, figs 3D, 6B1-B3, 6C1-C3, 6D1-D3, 6E1-E3, 6F1-F2).

*granatinus*, *Conus* – Deshayes, 1865-DescrCoqFoss: 419, 100, pl. 100, figs 22-23. — Type localities: Chambors & Caumont. — Type age: Eocene (Lutetian-Bartonian). — Current status: *Hemiconus granatinus* (Deshayes, 1865) (Le Renard & Pacaud 1995: 122; Pacaud 2008: 67).

*incomptus*, *Conus* – Deshayes, 1865-DescrCoqFoss: 424, 100, pl. 100, figs 12-13. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Current status: *Hemiconus incomptus* (Deshayes, 1865) (Le Renard & Pacaud 1995: 122; Pacaud 2008: 67).

*lebruni*, *Conus* – Deshayes, 1865-DescrCoqFoss: 417-418, 100, pl. 100, figs 3-4. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). *Conus (Conilithes) lebruni* Deshayes, 1865 (Le Renard & Pacaud 1995: 122; Pacaud & Le Renard 1995: 187; Pacaud 2008: 67). — Current status: *Conilithes lebruni* (Deshayes, 1865) (Pacaud herein).

*mazei*, *Conus* – Deshayes, 1874a: 64-66, pl. 1, fig. 1. — Type locality: Martinique; Mazé; 90 m. — Type age: Recent. — Type material: MNHN-IM-2000-3307, holotype. — *Conus mazei* Deshayes, 1874 (Rosenberg *et al.* 2009: 661; Redfern 2013: 202, fig. 562; Kohn 2014: 106-114, pl. 16-17, text-figs 5.18-5.22; D. Lamy & Pointier 2018: 455). — *Dalliconus mazei* (Deshayes, 1874) (Tucker & Tenorio 2009: 141). — Current status: *Conasprella (Dalliconus) mazei* (Deshayes, 1874) (Puillandre *et al.* 2015: 4).

*nodulosus*, *Conus* – Deshayes, 1865-DescrCoqFoss: 416-417, 100, pl. 100, figs 24-26, *non* G. B. Sowerby II, 1864. — Type localities: Thiverval-Grignon & Mouy. — Type age: Eocene (Lutetian). — Current status: *Hemiconus lineatus* [Solander, in Brander, 1766] *tremletti* Le Renard, 1994 (Le Renard 1994: 38), replacement name (Pacaud 2008: 67, both authors with Sowerby name as “1834”).

*parisiensis*, *Conus* – Deshayes, 1865-DescrCoqFoss: 418. — Type localities: Parnes, Mouchy-le-Châtel, Chaussy & Liancourt-Saint-Pierre. — Type age: Eocene (Lutetian). New species based on *Conus antediluvianus* Bruguière, 1791, of Deshayes, 1835, *non* Bruguière, 1792. Deshayes cited his earlier treatment (1835-DescrCoqFoss: 729-730, pl. 98, figs 13-14), which he had interpreted as *Conus antediluvianus* Bruguière, 1792. Bruguière’s species was actually from the Tortonian Pliocene of Italy. Janssen *et al.* (2014) filed a petition with the ICZN, and it agreed to set aside an earlier lectotype designation of Bruguière’s species of a specimen from the Paris Basin and to designate a new neotype from Italy, thus preserving the Deshayes Paris Basin species name (ICZN Opinion 2394, 2017). *Conus lamarckii* F. E. Edwards, 1856 (Edwards 1856: 194-195, pl. 25, fig. 3a-c), was proposed for similar Eocene material from England. However, it is a junior homonym of *C. lamarckii* Kiener, 1849. — Current status: *Conilithes parisiensis* (Deshayes, 1865) (Tracey & Todd 1996: 48; Tucker & Tenorio 2009: 137). *Conus parisiensis* Deshayes, 1865 (Janssen *et al.* 2014).

*planaxis*, *Conus* – Deshayes, 1863: 135-135, pl. 13, figs 11-12. — Type locality: La Réunion; Maillard coll. — Type age: Recent. — Current status: synonym of *Conasprella (Strategoconus) maldivus* Hwass, in Bruguière, 1792 (Filmer 2001: 219; generic position: Puillandre *et al.* 2015: 13).

*scriptus*, *Conus* – Deshayes, 1823-DictClass: pl. [83], fig. 2; 1831-DictClass17: 120. — Type locality: none given. — Type age: Recent. Preoccupies *Conus scriptus* G. B. Sowerby II, 1857, which is now considered to be a synonym of *Conus textile vaulberti* Lorenz, 2012. — Current status: *nomen dubium* (Kohn 1992: 234; Filmer 2001: 253).

*spirogloxus*, *Conus* – Deshayes, 1863: 135-136, pl. 13, figs 13-14. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-2514, holotype (Jenner 1972: figs 1-6). — Current status: synonym of *Conasprella (Strategoconus) maldivus* Hwass, in Bruguière, 1792 (Filmer 2001: 260; generic position: Puillandre *et al.* 2015: 13).

*sulciferus*, *Conus* – Deshayes, 1835-DescrCoqFoss: 748, 50 [as *C. “sulcifer”*], pl. 98, figs 7-8 [cited in text and pl. expl. as figs 3-4, which actually are of *Conus crenulatus*]; 1837-DescrCoqFoss: 813, 814 [correction in figures made]; 1845-HistNatAnim2: 160; 1865-DescrCoqFoss: 417– Type locality: Monneville. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32373, lectotype (Kohn 1992: 260, figs 519-520). — Current status: *Conus (Stephanoconus) sulciferus* Deshayes, 1865 (Le Renard & Pacaud 1995: 122).

*turbinopsis*, *Conus* – Deshayes, 1865-DescrCoqFoss: 425-426, 100, pl. 100, figs 10-11. — Type localities: Thiverval-Grignon, Saint-Félix, Hérouval & Chaussy. — Type age: Eocene (Lutetian). — Current status: *Hemiconus turbinopsis* (Deshayes, 1865) (Le Renard & Pacaud 1995: 122; Pacaud 2008: 67).

*turriculatus*, *Conus* – Deshayes, 1865-DescrCoqFoss: 423. — Type localities: Thiverval-Grignon, Parnes, Mouchy-le-Châtel, Ully-Saint-Georges, Montmirail, Damery, Fleury-la-Rivière & Chamery. — Type age: Eocene (Lutetian). Based on figs from 1<sup>st</sup> edition, pl. 98, figs 5-6 of *Conus turritus* Lamarck, 1803. Preoccupies *Conus turriculatus* G. B. Sowerby II, 1866, which is now considered to be a synonym of *Conus acutiangulus* Lamarck, 1810. — Current status: *Conus (Leptoconus) turriculatus* Deshayes, 1865 (Le Renard & Pacaud 1995: 122; Pacaud 2008: 67; Courville *et al.* 2012: 71, pl. 11, figs 1-4, 6, 11-12).



*acutiangulus*, *Conus* – Deshayes, 1833e: 127. Misattributed to Deshayes, this was originally proposed by Lamarck, 1810, a living Indo-Pacific species, in 1833 misused for a Miocene fossil from Austria.

*pseudomarmoreus*, *Conus* – Crosse, 1875a: 223-225, pl. 9, fig. 4, *ex* Deshayes ms. — Type locality: none given. — Type age: Recent. — Type material: MNHN-IM-2000-2522, holotype. Synonym of *Conus (Conus) marmoreus* Linnaeus, 1758 (Filmer 2001: 227), the type species of the genus *Conus* Linnaeus, 1758 (Puillandre *et al.* 2015: 6).

*symmetricus*, *Conus* – Sandberger, 1859: pl. 15, fig. 3, 3a; 1862: 248, *ex* Deshayes ms; Deshayes, 1865-DescrCoqFoss: 426, 100, pl. 100, figs 27-28, *non* G. B. Sowerby I, 1850. — Type locality: Weinheim, Gienberg & Kernberg, Germany; Jeurre, France. — Type age: Oligocene (Rupelian). *Hemiconus symmetricus* (Sandberger, 1859) (Lozouet & Maestrati 2012a: 290, 293, fig. 190: 1-3, as “Deshayes”). — Current status: *Hemiconus acionna* Pacaud, n. name (replacement name herein): from one of its type regions (Essonne, France) with Germany, where the type material was collected. Name from the Essonne River, which originates from the name of the Gallic goddess of rivers, Acionna; name given in apposition.

#### Family SYPHOPSINAE Le Renard, 2005 [unassigned within NEOGASTROPODA]

#### NOTE

*Syphopsis* Le Renard, 2005, is a replacement name for *Siphopsis* Le Renard, 1995, *non* Rafinesque, 1819 [Cnidaria]; the invalid name was used in some of the references below prior to 2005.

*breviusculus*, *Fusus* – Deshayes, 1864-DescrCoqFoss: 83, pl. 83, figs 26-28; 1865-DescrCoqFoss: 274-275. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Syphopsis brevisculus* (Deshayes, 1864) (Le Renard & Pacaud 1995: 116; Pacaud 2008: 69; Snyder 2022: 40).

*denudatus*, *Fusus* – Deshayes, 1864-DescrCoqFoss: 85, pl. 85, figs 25-27; 1865-DescrCoqFoss: 266. — Type locality: Saint-Félix. — Type age: Eocene (Lutetian). — Current status: *Syphopsis denudata* (Deshayes, 1864) (Le Renard & Pacaud 1995: 115; Snyder 2022: 82; Pacaud 2008: 69).

*distorta*, *Pleurotoma* – Deshayes, 1865-DescrCoqFoss: 400-401, 95, pl. 95, figs 7-9 [fig. 9 left off text]; 666 [correction noted]. — Type locality: Damery. — Type age: Eocene (Lutetian). — Current status: *Syphopsis distorta* (Deshayes, 1865) (Le Renard & Pacaud 1995: 115; Pacaud 2008: 69).

*inchoatus*, *Fusus* – Deshayes, 1864-DescrCoqFoss: 84, pl. 84, figs 25-27; 1865-DescrCoqFoss: 281. — Type localities: Chaussy & Parnes. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32765, syntype from Chaussy. — Type species (OD) of *Andoniopsis* Le Renard, 1995. — Current status: *Andoniopsis inchoata* (Deshayes, 1864) (Le Renard & Pacaud 1995: 115; Pacaud 2008: 69; Snyder 2022: 104).

*lamarckii*, *Fusus* – Deshayes, 1835-DescrCoqFoss: 543, 48, pl. 94 bis, figs 3-5, *ex* Defrance ms; 1843-HistNatAnim2: 496; 1843-HistNatAnim3: 677. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Pseudoandonia lamarckii* (Deshayes, 1835) (Le Renard & Pacaud 1995: 115; Pacaud 2008: 69; Snyder 2022: 113, all as “Defrance, in Deshayes”).

*panniculus*, *Fusus* – Deshayes, 1864-DescrCoqFoss: 84, pl. 84, figs 1-3; 1865-DescrCoqFoss: 273-274. — Type localities: Thiverval-Grignon & Parnes. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32757, syntype from Thiverval-Grignon. — Current status: *Siphonaliopsis panniculus* (Deshayes, 1864) (Le Renard & Pacaud 1995: 116; Pacaud 2008: 69; Snyder 2022: 147).

*seminudus*, *Fusus* – Deshayes, 1864-DescrCoqFoss: 83, pl. 83, figs 23-25; 1865-DescrCoqFoss: 272. — Type localities: Thiverval-Grignon & Saint-Félix. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32756, syntypes from Thiverval-Grignon. — Current status: *Syphopsis seminuda* (Deshayes, 1864) (Le Renard & Pacaud 1995: 116; Pacaud 2008: 69; Snyder 2022: 178).

*striolatus*, *Fusus* – Deshayes, 1864-DescrCoqFoss: 83, pl. 83, figs 29-31; 1865-DescrCoqFoss: 267. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Syphopsis striolata* (Deshayes, 1864) (Le Renard & Pacaud 1995: 115; Pacaud 2008: 69; Snyder 2022: 187).

*tenuis*, *Fusus* – Deshayes, 1835-DescrCoqFoss: 555, 40, pl. 76, figs 19-21; 1865-DescrCoqFoss: 265. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Syphopsis tenuis* (Deshayes, 1835) (Le Renard & Pacaud 1995: 115; Pacaud 2008: 69, as “1864”; Snyder 2022: 198).

#### Family BORSONIIDAE Bellardi, 1875

*acutata*, *Borsonia* – Deshayes, 1865-DescrCoqFoss: 343, pl. 95, figs 29-31. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Borsonia (Cordieria) acutata* Deshayes, 1865 (Le Renard & Pacaud 1995: 123; Pacaud 2008: 67).

*angusta*, *Borsonia* – Deshayes, 1865-DescrCoqFoss: 346-347, 96, pl. 96, figs 4-6. — Type locality: Montjavoult. — Type age: Eocene (Bartonian). — Current status: *Borsonia (Cordieria) angusta* Deshayes, 1865 (Le Renard & Pacaud 1995: 123).



*bellardii*, *Borsonia* – Deshayes, 1865-*DescrCoqFoss*: 342-343, 96, pl. 96, figs 10-12. — Type localities: Chaussy & Hérouval. — Type age: Eocene (Lutetian). Preoccupies *Borsonia bellardii* Briart & Cornet, 1877, which was renamed *Borsonia briarti* Cossmann, 1899. — Current status: *Borsonia (Cordieria) bellardii* Deshayes, 1865 (Le Renard & Pacaud 1995: 123; Pacaud 2008: 67).

*brevicula*, *Pleurotoma* – Deshayes, 1834-*DescrCoqFoss*: 491, 36, pl. 68, figs 13-15, *non* Deshayes, 1834 [Turridae], which occurred on previous pages; 1865-*DescrCoqFoss*: 344-345, as *Borsonia*. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Borsonia (Cordieria) gliberti* Le Renard, 1994 (Le Renard 1994: 38), replacement name (Le Renard & Pacaud 1995: 123; Pacaud 2008: 67).

*calvimontana*, *Borsonia* – Deshayes, 1865-*DescrCoqFoss*: 341-342, pl. 95, figs 20-22. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). *Borsonia (Cordieria) calvimontana* Deshayes, 1865 (Le Renard & Pacaud 1995: 123; Pacaud 2008: 67).

*edwardsi*, *Borsonia* – Deshayes, 1865-*DescrCoqFoss*: 348, 99, pl. 99, figs 1-3. — Type locality: Saint-Félix. — Type age: Eocene (Lutetian). — Current status: *Borsonia (Cordieria) edwardsi* Deshayes, 1865 (Le Renard & Pacaud 1995: 123; Pacaud 2008: 67).

*funiculosa*, *Purpura* – Deshayes, 1865-*DescrCoqFoss*: 520-521, 94, pl. 94, figs 23-25. — Type locality: Caumont. — Type age: Eocene (Bartonian). — Current status: *Asthenotoma funiculosa* (Deshayes, 1865) (Le Renard & Pacaud 1995: 123).

*incerta*, *Borsonia* – Deshayes, 1865-*DescrCoqFoss*: 348-349, 96, pl. 96, figs 1-3. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Current status: *Borsonia (Cordieria) incerta* Deshayes, 1865 (Le Renard & Pacaud 1995: 123; Pacaud 2008: 67).

*loustau*, *Pleurotoma* – Deshayes, 1865-*DescrCoqFoss*: 411-412, 96, pl. 96, figs 22-24. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Acamptogenotia loustau* (Deshayes, 1865) (Le Renard & Pacaud 1995: 122; Pacaud 2008: 67).

*marginata*, *Borsonia* – Deshayes, 1865-*DescrCoqFoss*: 345, 96, pl. 96, figs 7-9. Aizy-Jouy. — Type age: Eocene (Ypresian). — Current status: *Borsonia (Cordieria) marginata* Deshayes, 1865 (Le Renard & Pacaud 1995: 123).

*minor*, *Borsonia* – Deshayes, 1865-*DescrCoqFoss*: 346, pl. 95, figs 23-25. — Type localities: Mouchy-le-Châtel & Parnes. — Type age: Eocene (Lutetian). — Current status: *Borsonia (Cordieria) minor* Deshayes, 1865 (Le Renard & Pacaud 1995: 123; Pacaud 2008: 67).

*mitraeformis*, *Borsonia* – Deshayes, 1865-*DescrCoqFoss*: 347, pl. 95, figs 14-16. — Type localities: Chambors & Hérouval. — Type age: Eocene (Lutetian). — Current status: *Borsonia (Cordieria) mitraeformis* (Deshayes, 1865) (Pacaud 2021: 42).

*nodularis*, *Pleurotoma* – Deshayes, 1834-*DescrCoqFoss*: 493-494, 36 [as *P. "nodularia"*], pl. 66, figs 23-25; 1837-*DescrCoqFoss*: 814 [correction made]; 1865-*DescrCoqFoss*: 343-344, as *Borsonia*. — Type localities: Thiverval-Grignon & Parnes. — Type age: Eocene (Lutetian). — Type species (OD) of *Phlyctaenia* Cossmann, 1889, *non* Hübner, 1825; *Phlyctis* Harris & Burrows, 1891, replacement name, now both regarded as synonyms of *Cordieria* Roualt, 1850. — Current status: synonym of *Borsonia (Cordieria) nodulosa* (Lamarck, 1803) (Pacaud herein).

*obesula*, *Borsonia* – Deshayes, 1865-*DescrCoqFoss*: 344, 96, pl. 96, figs 13-15. — Type localities: Acy-en-Multien, Lizy-sur-Ourcq, Vers-sur-Launette & Le Guépelle. — Type age: Eocene (Bartonian). — Current status: *Borsonia (Cordieria) obesula* Deshayes, 1865 (Le Renard & Pacaud 1995: 123).

*quieta*, *Pleurotoma* – Deshayes, 1865-*DescrCoqFoss*: 397-398, 96, pl. 96, figs 32-34. — Type locality: Hérouval. — Type age: Eocene (Lutetian). — Current status: *Acamptogenotia quieta* (Deshayes, 1865) (Le Renard & Pacaud 1995: 122; Pacaud 2008: 67).

*quoyi*, *Pleurotoma* – Deshayes, 1843-*HistNatAnim2*: 364-365; 1843-*HistNatAnim3*: 630, *non* Desmoulins, 1842. — Type locality: New Zealand. — Type age: Recent. Replacement name for *P. rosea* Quoy & Gaimard, 1833, *non* G. B. Sowerby I, 1834. Deshayes thus proposed a replacement name for the senior homonym, and in doing so, created his own new synonym and junior homonym. His replacement name is therefore a synonym of *Phenatoma roseum* (Quoy & Gaimard, 1833) [*Pleurotoma*], the senior name for the type species of *Phenatoma* Finlay, 1924, which is the additional synonym *Pleurotoma novaezelandiae* Reeve, 1843 (OD). This species was figured in Powell (1979: 234, pl. 47, fig. 4), not mentioning Deshayes' taxon. The Sowerby species, which was the actual junior homonym, is now *Drillia roseola* (Hertlein & Strong, 1955) [*Cymatosyrinx*]. — Current status: synonym of *Phenatoma roseum* (Quoy & Gaimard, 1833).

*turbinelloides*, *Borsonia* – Deshayes, 1865-*DescrCoqFoss*: 345-346, pl. 95, figs 26-28. — Type localities: Mouchy-le-Châtel & Chaussy. — Type age: Eocene (Lutetian). — Current status: *Borsonia (Cordieria) turbinelloides* Deshayes, 1865 (Le Renard & Pacaud 1995: 123; Pacaud 2008: 67).

#### Family CLATHURELLIDAE H. Adams & A. Adams, 1858

*scalarina*, *Pleurotoma* – Deshayes, 1863: 109-110, pl. 12, figs 12-14. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-3230, 36 syntypes. — Current status: *Eremopa scalarina* (Deshayes, 1963) (Hasegawa, in Okutani 2017: 1015, pl. 309, fig. 3).

#### Family CLAVATULIDAE J. E. Gray, 1853

*brevicauda*, *Pleurotoma* – Deshayes, 1834-*DescrCoqFoss*: 453-454, 33, pl. 62, figs 9-10; 1865-*DescrCoqFoss*: 361. — Type localities: Thiverval-Grignon, Parnes, Mouchy-le-Châtel & Courtagnon. — Type age: Eocene (Lutetian). Preoccupies *Pleurotoma costellata brevicauca* Grateloup, 1845, which regarded as a synonym of *Pleurotomoides sublaevigatus* (Grateloup, 1845) (Pacaud 2021: 42-43). — Current status: *Turricula (Crenaturricula) brevicauca* (Deshayes, 1834) (Le Renard & Pacaud 1995: 125; Pacaud 2008: 69).

*catenula*, *Pleurotoma* – Deshayes, 1865-*DescrCoqFoss*: 358-359, 97, pl. 97, figs 13-15. — Type localities: Aizy-Jouy & Sermoise. — Type age: Eocene (Ypresian). — Current status: *Turricula (Catenotoma) catenula* (Deshayes, 1865) (Le Renard & Pacaud 1995: 125).

*lamberti*, *Pleurotoma* – Deshayes, 1865-*DescrCoqFoss*: 355-356, 97, pl. 97, figs 1-2. — Type locality: Saint-Gobain. — Type age: Eocene (Ypresian). — Current status: synonym of *Turricula (Crenaturricula) subelegans* (d'Orbigny, 1850) [*Pleurotoma*] (Pacaud 2007: 49).

*michelini*, *Pleurotoma* – Deshayes, 1865-*DescrCoqFoss*: 361. New species based on *Pleurotoma dentata* var. b. Deshayes, 1834. — Type localities: Paris Basin & London. — Type age: Eocene (Bartonian). — Current status: *Turricula (Crenaturricula) michelini* (Deshayes, 1865) (Le Renard & Pacaud 1995: 124; Pacaud 2008: 69).

*nifal*, *Fusus* – Deshayes, 1825-*DictClass7*: 89. Error *pro Pusionella nifal* (Bruguère, 1789) [*Buccinum*], the type species (SD Petit 2012) of *Pusionella* J. E. Gray, 1847.

*textiliosa*, *Pleurotoma* – Deshayes, 1834-*DescrCoqFoss*: 454-455, 33, pl. 62, figs 5-6; 1865-*DescrCoqFoss*: 361-362. — Type locality: Monneville. — Type age: Eocene (Bartonian). — Current status: *Turricula* (*Crenaturricula*) *textiliosa* (Deshayes, 1834) (Le Renard & Pacaud 1995: 124).

*vaudini*, *Pleurotoma* – Deshayes, 1865-*DescrCoqFoss*: 357, 97, pl. 97, figs 24–26. — Type localities: Laon, Mercin-et-Vaux & Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Turricula* (*Surcula*) *vaudini* (Deshayes, 1865) (Le Renard & Pacaud 1995: 123).

#### Family COCHLESPIRIDAE Powell, 1942

*chapuisi*, *Pleurotoma* – Deshayes, 1865-*DescrCoqFoss*: 399-400, 96, pl. 96, figs 35-36. — Type locality: Laon. — Type age: Eocene (Ypresian). — Current status: *Apiotoma chapuisi* (Deshayes, 1865) (Le Renard & Pacaud 1995: 124).

*pyrulata*, *Pleurotoma* – Deshayes, 1834-*DescrCoqFoss*: 449, 35, pl. 66, figs 1-3. — Type localities: Parnes & Compiègne. — Type age: Eocene (Lutetian). 1865-*DescrCoqFoss*: 399. — Type species (OD) of *Apiotoma* Cossmann, 1889. — Current status: *Apiotoma pyrulata* (Deshayes, 1834) (Le Renard & Pacaud 1995: 124; Pacaud 2008: 70).

#### Conorbidae de Gregorio, 1880

*bistriata*, *Pleurotoma* – Deshayes, 1834-*DescrCoqFoss*: 444, 37, pl. 70, figs 3-5; 1865-*DescrCoqFoss*: 409. — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). *Conorbis marginatus* [Lamarck, 1804] *bistriatus* (Deshayes, 1834) (Le Renard & Pacaud 1995: 122). — Current status: *Conorbis bistriatus* (Deshayes, 1865) (Pacaud 2008: 67).

#### Family CRYPTOCONIDAE Cossmann, 1896

*approximata*, *Pleurotoma* – Deshayes, 1865-*DescrCoqFoss*: 408, 95, pl. 95, figs 1-2. — Type localities: Thiverval-Grignon, Parnes, Fontenay-en-Vexin, Mouchy-le-Châtel & Chaussy. — Type age: Eocene (Lutetian). — Current status: *Cryptoconus priscus* [Solander, in Brander, 1766] *approximatus* (Deshayes, 1865) (Le Renard & Pacaud 1995: 122). — Current status: *Cryptoconus approximatus* (Deshayes, 1865) (Pacaud 2008: 67).

*calophora*, *Pleurotoma* – Deshayes, 1865-*DescrCoqFoss*: 406. Unnecessary additional replacement name for *Pleurotoma cincta* Deshayes, 1834, *non* Lamarck, 1822 (see next entry). — Current status: synonym of *Cryptoconus priscus* (Solander, in Brander, 1766) (Pacaud herein).

*cincta*, *Pleurotoma* – Deshayes, 1834-*DescrCoqFoss*: 447, 37, pl. 69, figs 3-4, *non* Lamarck, 1822. — Type locality: Beynes. — Type age: Eocene (Lutetian). *Pleurotoma deshayesii* Des Moulins, 1842 (Des Moulins 1842: 123), replacement name, but *non* *Pleurotoma deshayesi* Doumet, 1840, unknown to Le Renard & Pacaud (1995: 122). — Current status: all are synonyms of the much older *Cryptoconus priscus* (Solander, in Brander, 1766) (Pacaud herein).

*denuadata*, *Pleurotoma* – Deshayes, 1865-*DescrCoqFoss*: 409-410, 95, pl. 95, figs 5-6, *non* J. de C. Sowerby, 1847. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). *Cryptoconus cossmanni* Tucker & Le Renard, 1993 (Tucker & Le Renard 1993: 2), replacement name. — Current status: *Cryptoco-*

*nus cossmanni* Tucker & Le Renard, 1993 (Le Renard & Pacaud 1995: 122, as “*non* Smith”).

*elongata*, *Pleurotoma* – Deshayes, 1834-*DescrCoqFoss*: 439, 37, pl. 69, figs 19-20; 1865-*DescrCoqFoss*: 403. — Type localities: Thiverval-Grignon, Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). A second species by the same name in the same work, but on later pages it was renamed *P. striolaris* Deshayes, 1837 [Raphitomidae]. Also preoccupies *Pleurotoma elongata* Anton, 1838, and *P. elongata* J. E. Gray, 1839, as well as three additional later subspecies. *Conorbis elongatus* (Deshayes, 1834) (Tucker & Tenorio 2009: 133). — Current status: *Cryptoconus elongatus* (Deshayes, 1834) (Le Renard & Pacaud 1995: 122; Pacaud 2008: 67; Courville *et al.* 2012: 71, pl. 11, fig. 20; Caze *et al.* 2012: 50, fig. 21A, showing residual colour patterns).

*erecta*, *Pleurotoma* – Deshayes, 1865-*DescrCoqFoss*: 402, 96, pl. 96, figs 29-31. — Type locality: Saint-Félix. — Type age: Eocene (Lutetian). — Current status: *Cryptoconus erectus* (Deshayes, 1865) (Le Renard & Pacaud 1995: 122; Pacaud 2008: 67, as “1834”).

*evulsa*, *Pleurotoma* – Deshayes, 1865-*DescrCoqFoss*: 404-405. — Type localities: Cuise-la-Motte, Retheuil, Laversine & Laon. — Type age: Eocene (Ypresian). — Current status: *Cryptoconus evulsa* (Deshayes, 1865) (Le Renard & Pacaud 1995: 122).

*inaequistriata*, *Pleurotoma* – Deshayes, 1865-*DescrCoqFoss*: 411, pl. 95, figs 17-19. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Cryptoconus inaequistriatus* (Deshayes, 1865) (Le Renard & Pacaud 1995: 122; Pacaud 2008: 67, as “1834”).

*interposita*, *Pleurotoma* – Deshayes, 1865-*DescrCoqFoss*: 402-403, pl. 95, figs 12-13. — Type locality: Aizy-Jouy. — Type age: Eocene (Ypresian). — Current status: *Cryptoconus interpositus* (Deshayes, 1865) (Le Renard & Pacaud 1995: 122).

*labiata*, *Pleurotoma* – Deshayes, 1834-*DescrCoqFoss*: 438, 37, pl. 68, figs 23-24; 1865-*DescrCoqFoss*: 410. — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: synonym of *Cryptoconus glabratus* (Lamarck, 1804) (Pacaud herein).

*semistriata*, *Pleurotoma* – Deshayes, 1834-*DescrCoqFoss*: 443-444, 37, pl. 69, figs 5-6; 1865-*DescrCoqFoss*: 408-409, synonymized with *Pleurotoma lineolata* Lamarck, 1804. — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). *Cryptoconus lineolatus* [Lamarck, 1804] *semistriatus* (Deshayes, 1834) (Le Renard & Pacaud 1995: 122). — Current status: *Cryptoconus semistriatus* (Deshayes, 1834) (Pacaud 2008: 67).

*subangulata*, *Pleurotoma* – Deshayes, 1834-*DescrCoqFoss*: 444-445, 37, pl. 70, figs 8-9; 1865-*DescrCoqFoss*: 403-404. — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Cryptoconus subangulatus* (Deshayes, 1834) (Le Renard & Pacaud 1995: 122; Pacaud 2008: 67).

*subdecussata*, *Pleurotoma* – Deshayes, 1834-*DescrCoqFoss*: 446-447, 37, pl. 70, figs 1-2; 1865-*DescrCoqFoss*: 410. — Type localities: Courtagnon & Damery. — Type age: Eocene (Lutetian). — Current status: *Cryptoconus subdecussatus* (Deshayes, 1834) (Le Renard & Pacaud 1995: 122; Pacaud 2008: 67).

*unifascialis*, *Pleurotoma* – Deshayes, 1834-*DescrCoqFoss*: 445-446, 37, pl. 70, figs 12-13; 1865-*DescrCoqFoss*: 410. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Cryptoconus unifascialis* (Deshayes, 1834) (Le Renard & Pacaud 1995: 122; Pacaud 2008: 67).



Family MANGELIIDAE P. Fischer, 1883

*Etallonia* – Deshayes, 1862-DescrCoqFoss: 605-608, non Oppel, 1861 [Crustacea]. — Type species (SD Bayan, 1873a): *Bulimus cytharellus* Lamarck, 1804. *Buchozia* Bayan, 1873a (Bayan 1873a: 113-114), replacement name. France. — Type age: Eocene. — Current status: *Buchozia* is valid genus or subgenus of *Oenopota*.

*albida*, *Pleurotoma* – Deshayes, 1835b: 176-177, pl. 19, figs 22-24, non Perry, 1811, nec Risso, 1826. — Type locality: Peloponnese Peninsula, Greece. — Type age: Recent. — Type species (OD) of *Cyrtocythara* F. Nordseick, 1977, which is now regarded as a synonym of *Mangelia* Risso, 1826. — Current status: synonym of *Mangelia unifasciata* (Deshayes, 1835) [*Pleurotoma*] (Sabelli et al. 1990: 213; Cossignani & Ardochini 2011: 31, 323; Alf & Haszprunar, in Alf et al. 2020: 221, pl. 180).

*costuosa*, *Pleurotoma* – Deshayes, 1865-DescrCoqFoss: 389, 99, pl. 99, figs 28-30. — Type localities: Jeurre & Morigny-Champigny. — Type age: Oligocene (Rupelian). — Current status: *Mangelia costuosa* (Deshayes, 1865) (Lozouet & Maestrati 2012b: 32).

*cytharella*, *Auricula* – Deshayes, 1824-DescrCoqFoss: 70, 4, pl. 8, figs 4-5; 1862-DescrCoqFoss: 607, as *Etallonia*. — Type localities: Thiverval-Grignon, Mouchy-le-Châtel, Hautteville-Bocage. — Type age: Eocene (Lutetian). Subsequent incorrect spelling of *Bulimus citharellus* Lamarck, 1804. — Current status: *Oenopota (Buchozia) citharella* (Lamarck, 1804) (Le Renard & Pacaud 1995: 123).

*dameriacensis*, *Pleurotoma* – Deshayes, 1865-DescrCoqFoss: 394-395, 99, pl. 99, figs 7-9. — Type localities: Damery & Saint-Félix. — Type age: Eocene (Lutetian). Preoccupies *Pleurotoma dameriensis* Boury, 1899, which was renamed *Eopleurotoma morelleti* Tucker & Le Renard, 1993 (Tucker & Le Renard 1993: 2), an unnecessary replacement name because it is a synonym of *Eopleurotoma multinoda* (Lamarck, 1804). *Raphitoma (Raphitoma) defrancei* [Tucker & Le Renard, 1993] *dameriacensis* (Deshayes, 1865) (Le Renard & Pacaud 1995: 126), an error in rank. — Current status: *Amblyacrum dameriense* (Deshayes, 1865) (Pacaud 2021: 43).

*fuscata*, *Pleurotoma* – Deshayes, 1835b: 177. — Type locality: Peloponnese Peninsula, Greece. — Type age: Recent. — Type species (SD Crosse, 1885) of *Ginnania* Monterostato, 1884, which is now regarded as a synonym of *Bela* Leach, in J. E. Gray, 1847. — Current status: *Bela fuscata* (Deshayes, 1835) (Kantor & Sysoev 2005: 148; Cossignani & Ardochini 2011: 30, 317; Prkić & Giannuzzi-Savelli 2022: figs 14-22, 25-29, 31, 36-38).

*gemmulata*, *Pleurotoma* – Deshayes, 1863: 107-108, pl. 12, figs 8-10. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-2958, 15 syntypes. — Current status: synonym of *Macteola interrupta* (Reeve, 1846) [*Mangelia*] (Higo et al. 1999: 320).

*gervillii*, *Etallonia* – Deshayes, 1862-DescrCoqFoss: 607. — Type locality: Valognes. — Type age: Eocene (Lutetian). — Current status: *Oenopota (Buchozia) gervillii* (Deshayes, 1862) (Le Renard & Pacaud 1995: 123; Pacaud 2008: 68; Tréguier & Pacaud 2018: 209).

*harpula*, *Pleurotoma* – Deshayes, 1834-DescrCoqFoss: 490, 36, pl. 67, figs 22-24, non (Brocchi, 1814) [*Murex*]; 1865-DescrCoqFoss: 389-390, synonymized with *Pleurotomella citharella* (Lamarck, 1803) [*Fusus*]. — Type localities: Thiverval-Grignon & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). *Pleurotoma pseudoharpula* d'Orbigny, 1850b (d'Orbigny 1850b: 357, no. 369), replacement name. *Mangelia (Mangiliella) pseudoharpula* (d'Orbigny, 1850) (Pacaud 2007: 48). — Current status: *Mangelia pseudoharpula* (d'Orbigny, 1850) (Pacaud herein).

*minuatus*, *Fusus* – Deshayes, 1864-DescrCoqFoss: 84, pl. 84, figs 31-33; 1865-DescrCoqFoss: 281-282. — Type locality: Les Groux. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32766, syntype. Wrongly regarded as a junior homonym of *Fusus minutus* Lamarck, 1803, and renamed *Siphonalia lacrymosa* Cossmann, 1889 (Cossmann 1889: 152) (Snyder 2022: 131). — Current status: *Oenopota (Buchozia) minuata* (Deshayes, 1864) (Le Renard & Pacaud 1995: 116; Pacaud 2008: 68).

*multilineolata*, *Pleurotoma* – Deshayes, 1835b: 178, pl. 19, figs 46-48. — Type locality: Peloponnese Peninsula, Greece. — Type age: Recent. — Type species (OD) of *Mangiliella* Bucquoy, Dautzenberg & Dolfuss, 1883, which is sometimes treated as a synonym of *Mangelia* Risso, 1826. — Current status: *Mangelia (Mangiliella) multilineolata* (Deshayes, 1835) (Sabelli et al. 1990: 213; Cossignani & Ardochini 2011: 30, 321; Alf & Haszprunar, in Alf et al. 2020: 220, pl. 179; Öztürk 2021: 243).

*payraudeauti*, *Pleurotoma* – Deshayes, 1835b: 179. — Type localities: Peloponnese Peninsula, Greece; also Italy. — Type age: Subapennine Formation, Pliocene; also living in Mediterranean. — Current status: *Mangelia payraudeauti* (Deshayes, 1835) (Sabelli et al. 1990: 212; Cossignani & Ardochini 2011: 31, 322).

*prevosti*, *Pleurotoma* – Deshayes, 1865-DescrCoqFoss: 390, 99, pl. 99, figs 25-27. — Type localities: Jeurre & Morigny-Champigny. — Type age: Oligocene (Rupelian). — Current status: *Mangelia prevosti* (Deshayes, 1865) (Lozouet & Maestrati 2012a: 290, 293, fig. 190: 7-9, 17-18).

*semicostulata*, *Pleurotoma* – Deshayes, 1865-DescrCoqFoss: 397, pl. 95, figs 32-34. — Type localities: Mouchy-le-Châtel & Saint-Félix. — Type age: Eocene (Lutetian). — Current status: *Mangelia (Mangiliella) semicostulata* (Deshayes, 1865) (Le Renard & Pacaud 1995: 127; Pacaud 2008: 68).

*teniata*, *Pleurotoma* – Deshayes, 1835b: 178, pl. 19, figs 37-39. — Type locality: Peloponnese Peninsula, Greece. — Type age: Recent. — Type material: MNHN-IM-2000-3274, 5 syntypes. The revised spelling *M. taeniata* is now in prevailing usage (ICZN Code Art. 33.2.3.1). — Type species (M) of *Lyromangelia* Monterosato, 1917, which is now treated as a synonym of *Mangelia* Risso, 1826. — Current status: *Mangelia taeniata* (Deshayes, 1835) (Sabelli et al. 1990: 213; Cossignani & Ardochini 2011: 31, 323; Alf & Haszprunar, in Alf et al. 2020: 221, pl. 179; Öztürk 2021: 253-254, fig. 15).

*unifasciata*, *Pleurotoma* – Deshayes, 1835b: 177, pl. 19, figs 34-36. — Type locality: Peloponnese Peninsula, Greece. — Type age: Recent. — Current status: *Mangelia unifasciata* (Deshayes, 1835) (Sabelli et al. 1990: 213; Cossignani & Ardochini 2011: 31, 323; Alf & Haszprunar, in Alf et al. 2020: 221, pl. 180; Öztürk 2021: 255-256, fig. 17).

Family PSEUDOMELATOMIDAE Morrison, 1966

*angulosa*, *Pleurotoma* – Deshayes, 1834-DescrCoqFoss: 478-479, 36 [as *P. "angulata"*], pl. 67, figs 4-7; 1837-DescrCoqFoss: 814 [correction noted]; 1865-DescrCoqFoss: 384. — Type localities: Thiverval-Grignon & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: synonym of *Crassispira (Tripia) inflexa* (Lamarck, 1804) (Pacaud herein).

*costaria*, *Pleurotoma* – Deshayes, 1834-DescrCoqFoss: 485-486, 36, pl. 68, figs 1-3; 1865-DescrCoqFoss: 388. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Current status: *Crassispira (Tripia) sulcata* [Lamarck, 1804] *costaria* (Deshayes, 1834) (Le Renard & Pacaud 1995: 126).

*cyclophora*, *Pleurotoma* – Deshayes, 1863: 111-112, pl. 12, figs 19-21. — Type locality: La Réunion. — Type age: Recent. — Current status: *Oritoma cyclophora* (Deshayes, 1863) (Hasegawa & Okutani, in Okutani 2017: 1027-1028, pl. 321, fig. 4; Poppe 2017: 560, pl. 1580, figs 1-2; Boutet *et al.* 2020: 449).

*decipiens*, *Pleurotoma* – Deshayes, 1865-DescrCoqFoss: 363, 97, pl. 97, figs 19-20. — Type localities: Laon, Cuise-la-Motte & Retheuil. — Type age: Eocene (Ypresian). — Current status: *Knefastia decipiens* (Deshayes, 1865) (Le Renard & Pacaud 1995: 124).

*polygona*, *Pleurotoma* – 1834-DescrCoqFoss: 472, 35, pl. 65, figs 14-16; 1865-DescrCoqFoss: 363. — Type localities: Beynes, Thiverval-Grignon, Courtagnon & (Retheuil). — Type age: Eocene (Lutetian). The Ypresian specimen from Retheuil is *Knefastia decipiens* (Deshayes, 1865) and not *K. polygona* (Pacaud herein). — Current status: *Knefastia polygona* (Deshayes, 1834) (Le Renard & Pacaud 1995: 124; Pacaud 2008: 70).

*rariocostulata*, *Pleurotoma* – Deshayes, 1865-DescrCoqFoss: 374-375, 97, pl. 97, figs 10-12. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Crassispira (Crassispira) rariocostulata* (Deshayes, 1865) (Le Renard & Pacaud 1995: 125).



*clathrata*, *Drillia (Crassispira) granulata* [Lamarck, 1804] – Cossmann, 1889: 279, pl. 10, fig. 25, *ex* Deshayes ms, *non* J. E. Gray, 1828. — Current status: synonym of *Pleurotoma girgillus* Dolfuss, 1899 (Le Renard 1994: 40), now *Crassispira (Tripia) girgillus* (Dollfus, 1899) (Le Renard & Pacaud 1995: 125).

*contabulata*, *Pleurotoma* – Cossmann, 1889: 272, pl. 10, fig. 8, *ex* Deshayes ms. *Crassispira (Crassispira) contabulata* (Cossmann, 1889) (Le Renard & Pacaud 1995: 125).

*contraria*, *Pleurotoma* – Cossmann, 1889: 270, pl. 10, fig. 3, *ex* Deshayes ms. — Current status: *Crassispira (Crassispira) larteti* [Deshayes, 1865] *contraria* (Cossmann, 1889) (Le Renard & Pacaud 1995: 125).

*obliqua*, *Pleurotoma* – Boury, 1899: 118, *ex* Deshayes ms. New species based on *Drillia nodulosa* Lamarck, 1804, *sensu* Cossmann, 1889, *non* *Pleurotoma nodulosa* Lamarck, 1804]. However, *non* *Pleurotoma obliqua* I. Lea, 1833, *nec* Anton, 1838, *nec* Bellardi, 1847. *Crassispira lamarcki* Tucker & Le Renard, 1993 (Tucker & Le Renard 1993: 2), unnecessary replacement name. — Current status: synonym of *Crassispira (Crassispira) berthelini* (Boury, 1899) (Pacaud herein).

*obliquata*, *Drillia (Drillia)* – Cossmann, 1889 (Cossmann 1889: 274-275, pl. 10, fig. 12), *ex* Deshayes ms. — Current status: *Crassispira (Crassispira) obliquata* (Cossmann, 1889) (Le Renard & Pacaud 1995: 125).

#### Family RAPHITOMIDAE Bellardi, 1875

*alba*, *Pleurotoma* – Deshayes, 1863: 110-111, pl. 12, figs 17-18. — Type locality: La Réunion. — Type age: Recent. — Current status: *Raphitoma alba* (Deshayes, 1863), but *taxon inquirendum* (MolluscaBase).

*attenuata*, *Pleurotoma* – Deshayes, 1834-DescrCoqFoss: 483-484, 36, pl. 68, figs 6-8, *non* J. Sowerby, 1816; 1865-DescrCoqFoss: 386. — Type locality: Retheuil. — Type age: Eocene (Ypresian). *Pleurotoma subattenuata* d'Orbigny, 1850b (d'Orbigny 1850b: 316, no. 340), replacement name. *Raphitoma (Raphitoma) subattenuata* (d'Orbigny, 1850) (Pacaud 2007: 48). — Current status: *Amblyacrum subattenuatum* (d'Orbigny, 1850) (Pacaud herein).

*baudoni*, *Pleurotoma* – Deshayes, 1865-DescrCoqFoss: 393, 96, pl. 96, figs 25-26. — Type localities: Thiverval-Grignon, Mouchy-le-Châtel & Coincourt. — Type age: Eocene (Lutetian). *Raphitoma (Raphitoma) costellata* [Lamarck, 1804] *baudoni* (Deshayes, 1865) (Le Renard & Pacaud 1995: 126). *Raphitoma (Raphitoma) baudoni* (Deshayes, 1865) (Pacaud 2008: 68). — Current status: *Amblyacrum costellatum baudoni* (Deshayes, 1865) (Pacaud herein).

*capellinii*, *Pleurotoma* – Deshayes, 1865-DescrCoqFoss: 391, 96, pl. 96, figs 27-28. — Type locality: La Ferté-sous-Jouarre. — Type age: Eocene (Bartonian). *Raphitoma (Raphitoma) costellata* [Lamarck, 1804] *capellinii* (Deshayes, 1865) (Le Renard & Pacaud 1995: 126). — Current status: *Amblyacrum costellatum capellinii* (Deshayes, 1865) (Pacaud herein).

*carinata*, *Pleurotoma* – Deshayes, 1834-DescrCoqFoss: 489-490, 36, pl. 66, figs 26-29, *ex* Defrance ms, *non* “*Pleurotome*” [incorrect subsequent spelling] *carinata* Link, 1808. — Type localities: Thiverval-Grignon, Parnes, Mouchy-le-Châtel & Chaumont-en-Vexin. — Type age: Eocene (Lutetian). *Raphitoma (Raphitoma) defrancei* Tucker & Le Renard, 1993 (Tucker & Le Renard 1993: 2), replacement name (Le Renard & Pacaud 1995: 126; Pacaud 2008: 68, as “Defrance in Deshayes”). Both preoccupy *Pleurotoma carinata* J. E. Gray, 1834, and *Pleurotoma carinata* Bivona, 1838. — Current status: synonym of *Amblyacrum dameriacense* (Deshayes, 1865), making the replacement name unnecessary (Pacaud 2021: 43).

*clandestina*, *Pleurotoma* – Deshayes, 1863: 110, pl. 12, figs 15-16. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-2841, syntype. — Current status: synonym of *Kermia pumila* (Mighels, 1845) [*Pleurotoma*] (Kilburn 2009: 230-231, figs 34-38).

*columnella*, *Pleurotoma* – Deshayes, 1865-DescrCoqFoss: 396, 96, pl. 96, figs 19-20. — Type locality: Le Fayel. — Type age: Eocene (Bartonian). *Raphitoma (Amblyacrum) perplexa* [Tucker & Le Renard, 1993] *columnella* (Deshayes, 1865) (Le Renard & Pacaud 1995: 126), an error in rank. — Current status: synonym of *Amblyacrum perplexum* (Deshayes, 1865) (Pacaud herein).

*dubia*, *Pleurotoma* – Deshayes, 1834-DescrCoqFoss: 481, 36, pl. 67, figs 12-14, *ex* Defrance ms, *non* De Cristofori & Jan, 1832. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Crassispira (Crassispira) tuckeri* Le Renard, 1994 (Le Renard 1994: 38), replacement name (Pacaud 2008: 71).

*elongata*, *Pleurotoma* – Deshayes, 1834-DescrCoqFoss: 484, 36, pl. 68, figs 4-5, 9, *non* Deshayes, 1834 [Conorbidae]; 1837-DescrCoqFoss: 812, 814, species renamed *P. striolaris* Deshayes, 1837 (see below); 1865-DescrCoqFoss: 387– Type locality: Retheuil. — Type age: Eocene (Ypresian).

*fragilis*, *Pleurotoma* – Deshayes, 1834-DescrCoqFoss: 480-481, pl. 67, 36, figs 25-27; 1843-HistNatAnim2: 489, possibly synonym of *Pleurotoma striatulus* (Lamarck, 1803) [*Fusus*]; 1843-HistNatAnim3: 631; 1865-DescrCoqFoss: 388. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). Preoccupies *Pleurotoma fragilis* Reeve, 1845, which became a synonym of *Daphnella interrupta* Pease, 1860. Sherborn (1926: 2505) misunderstood Deshayes' (1843-HistNatAnim: 489) footnote and listed *Pleurotoma striatulus* as a new species by Deshayes. — Current status: *Pleurotomella (Anomalotomella) fragilis* (Deshayes, 1834) (Le Renard & Pacaud 1995: 126; Pacaud 2008: 69).

*margaritula*, *Pleurotoma* – Deshayes, 1834-DescrCoqFoss: 479-480, 36, pl. 67, figs 8-11; 1865-DescrCoqFoss: 386. — Type localities: Thiverval-Grignon, Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Crassispira (Tripia) margaritula* (Deshayes, 1834) (Le Renard & Pacaud 1995: 125; Pacaud 2008: 71).



*nana*, *Pleurotoma* – Deshayes, 1834-*DescrCoqFoss*: 482-483, 37, pl. 68, figs 19-22; 1865-*DescrCoqFoss*: 387. — Type locality: Parnes. — Type age: Eocene (Lutetian). Preoccupies *P. nana* Deshayes, 1835 [Turridae; see below], *P. nana* Scacchi, 1836, and *P. nana* Thiele, 1925. Scacchi's species was renamed *Bella menkhorsti* Aartsen, 1988. Thiele's species is a synonym of *Micropleurotoma melvilli* (Sykes, 1906). — Current status: *Crassispira (Tripia) nana* (Deshayes, 1834) (Le Renard & Pacaud 1995: 125; Pacaud 2008: 71, as “1865”).

*perplexa*, *Pleurotoma* – Deshayes, 1865-*DescrCoqFoss*: 395, 99, as *Pleurotoma perplexa*, pl. 99, figs 10-12; 666 [text should have been spelled *perplexa*]. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). *Raphitoma (Amblyacrum) perplexa* (Deshayes, 1865) (Tucker & Le Renard 1993: 38; Le Renard & Pacaud 1995: 126; Pacaud 2008: 68). — Current status: *Amblyacrum perplexum* (Deshayes, 1865) (Tréguier & Pacaud 2018: 211, 212, pl. 4, fig. 4).

*perplexa*, *Pleurotoma* – see entry above.

*quantula*, *Pleurotoma* – Deshayes, 1865-*DescrCoqFoss*: 394, 99, pl. 99, figs 4-6. — Type locality: Chaussy, Parnes & Saint-Félix. — Type age: Eocene (Lutetian). *Raphitoma (Raphitoma) costellata* [Lamarck, 1804] *quantula* (Deshayes, 1865) (Le Renard & Pacaud 1995: 126). — Current status: *Raphitoma (Raphitoma) quantula* (Deshayes, 1865) (Pacaud 2008: 68).

*reeveana*, *Pleurotoma* – Deshayes, 1863: 106-107, pl. 12, figs 5-7. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-3218, syntype. — Current status: *Daphnella reeveana* (Deshayes, 1863) (B. Li & X. Li 2014: 12, fig. 3E; Hasegawa & Okutani, in Okutani 2017: 1028, pl. 321, fig. 5; Poppe 2017: 566, pl. 1583, figs 1-2; Boutet *et al.* 2020: 449).

*rugosa*, *Pleurotoma* – Deshayes, 1834-*DescrCoqFoss*: 486-487, 35, pl. 66, figs 20-21, non I. Lea, 1833. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Type species (OD) of *Amblyacrum* Cossmann, 1889. *Paphitoma gougeroti* Tucker & Le Renard, 1993 (Tucker & Le Renard 1993: 2), replacement name. *Raphitoma (Amblyacrum) gougeroti* (Tucker & Le Renard 1993) (Le Renard & Pacaud 1995: 126; Pacaud 2008: 68). — Current status: *Amblyacrum gougeroti* (Tucker & Le Renard 1993; Pacaud 2021: 43).

*striolaris*, *Pleurotoma* – Deshayes, 1834-*DescrCoqFoss*: 812, replacement name for *Pleurotoma elongata* Deshayes, 1834, non Deshayes, 1834 [Conorbidae]. — Type locality: Retheuil. — Type age: Eocene (Ypresian). — Current status: *Raphitoma (Raphitoma) striolaris* (Deshayes, 1834) (Le Renard & Pacaud 1995: 126).

## Family TEREBRIDAE Mörch, 1852

*acumen*, *Terebra* – Deshayes, 1859: 287. — Type locality: none given; Cuming & Deshayes colls. — Type age: Recent. — Type material: MNHN-IM-2000-2342, lectotype. — Current status: the Indo-Pacific *Hastula acumen* Deshayes, 1859 (Bratcher & Cernohorsky 1987: 173-174; Terryn 2007: 17, pls. 13, 52; Chino & Terryn 2019: pl. 1, fig. 10; Fedosov *et al.* 2020: 371; Terryn & Marrow 2022: 47, 50, pl. 1, figs 1-2, pl. 6, figs 1-3, pl. 9).

*acuta*, *Terebra* – Deshayes, 1857d: 100-101, pl. 4, figs 5-6; 1859: 315. — Type locality: China; Cuming coll.; Deshayes coll. (added in 1859). — Type age: Recent. — Type material: NHMUK 20140786, 2 probable syntypes (A. Salvador & Pickering 2017: 103). Synonym of *Terebra anilis* (Röding, 1798) (Bratcher & Cernohorsky 1987: 62-64). — Current status: synonym of *Hastula cinerea* (Born, 1778) [*Buccinum*] (MolluscaBase; Fedosov *et al.* 2020: 371, fig. 6D, without synonymy).

*adansonii*, *Terebra* – Deshayes, 1859: 291. — Type locality: Senegal; Cuming & Deshayes colls. — Type age: Recent. — Type material: NHMUK 197977, 3 paralectotypes (A. Salvador & Pickering 2017: 103-104); MNHN-IM-2000-2343, 9 paralectotypes; MNHN-IM-2000-2344, 5 paralectotypes. Location of lectotype unknown. — Current status: synonym of *Hastula aciculina* (Lamarck, 1822) [*Terebra*] (Bouchet 1983: 204, figs 14, 54-55; Bratcher & Cernohorsky 1987: 194-196; Terryn 2007: 21, pls. 10, 51; Fedosov *et al.* 2020: 371, the latter two without synonymy).

*addita*, *Terebra* – Deshayes, 1859: 293. — Type locality: Tasmania, Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 197978, lectotype (listed by A. Salvador & Pickering 2017: 104). — Current status: synonym of *Duplicaria bernardii* (Deshayes, 1857) [*Terebra*] (Bratcher & Cernohorsky 1987: 198-199; Terryn 2007: 12, pls. 17, 53; Fedosov *et al.* 2020: 365, fig. 3E, the latter two without synonymy).

*albomarginata*, *Terebra* – Deshayes, 1859: 314. — Type locality: Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 197979, lectotype (listed by A. Salvador & Pickering 2017: 105). Synonym of *Terebra amanda* Hinds, 1844 (Bratcher & Cernohorsky 1987: 60; Wilson 1994: 223, pl. 52, fig. 24). — Current status: *Dimidacus albomarginata* (Deshayes) (Tsuchida & Kubo in Okutani, 2017: 1049, pl. 399, fig. 3). *Terebra albomarginata* Deshayes, 1859 (Fedosov *et al.* 2020: 368).

*amoena*, *Terebra* – Deshayes, 1859: 297. — Type locality: China; Cuming coll. — Type age: Recent. — Type material: NHMUK 197980, lectotype (listed by A. Salvador & Pickering 2017: 106). *Terebra amoena* Deshayes, 1857 (Bratcher & Cernohorsky 1987: 88, pl. 21, fig. 7a-b, pl. 22, fig. 76c; Wilson 1994: 223, pl. 52, fig. 28). *Hastulopsis amoena* (Deshayes, 1859) (Terryn, in Poppe 2008b: 814, pl. 702, figs 12-13). *Decorihastula amoena* (Deshayes, 1859) (Tsuchida & Kubo, in Okutani, 2017: 1046, pl. 337, fig. 2). — Current status: *Myurella amoena* (Deshayes, 1859) (Boutet *et al.* 2020: 461; Fedosov *et al.* 2020: 374).

*apicina*, *Terebra* – Deshayes, 1859: 284. — Type locality: Singapore; Cuming coll. — Type age: Recent. — Type material: NHMUK 197981.1, lectotype; 197981/2-3, paralectotypes (listed by A. Salvador & Pickering 2017: 106). Synonym of The Indo-Pacific *Hastula bacillus* (Deshayes, 1859) (Bratcher & Cernohorsky 1987: 191). Synonym of *Impages bacillus* (Deshayes, 1859) (Terryn 2007: 21, pls. 10, 51; Fedosov *et al.* 2020: 371, both without synonymy). *Hastulopsis amonea* (Deshayes, 1859) (Severns 2011: 374, pl. 170, fig. 1). — Current status: *Hastula apicina* (Deshayes, 1859) (MolluscaBase).

*approximata*, *Terebra* – Deshayes, 1859: 299. — Type locality: none given; Deshayes coll. — Type age: Recent. — Current status: *nomen dubium* (Bratcher & Cernohorsky 1987: 29).

*archimedis*, *Terebra* – Deshayes, 1859: 314-315. — Type locality: none given; Deshayes coll. — Type age: Recent. — Type material: MNHN-IM-2000-2347, syntype. Synonym of *Terebra funiculata* Hinds, 1844 (Bratcher & Cernohorsky 1987: 54). — Current status: *Terebra archimedis* Deshayes, 1859 (Boutet *et al.* 2020: 464; Fedosov *et al.* 2020: 368).

*argenvillii*, *Terebra* – Deshayes, 1859: 286. — Type locality: none given; Cuming & Deshayes colls. — Type age: Recent. — Type material: MNHN-IM-2000-2348, syntype. — Current status: synonym of *Hastula strigilata* (Linnaeus, 1758) [*Buccinum*] (Bratcher & Cernohorsky 1987: 172-173; Terryn 2007: 19, pls. 12, 52; Chino & Terryn 2019: pl. 1, figs 12-13; Fedosov *et al.* 2020: 372; Terryn & Marrow 2022: 47, 49, pl. 1, fig. 4. pl. 3, fig. 1).

*bacillus*, *Terebra* – Deshayes, 1859: 285. — Type locality: Hawaiian Islands; Cuming coll. — Type age: Recent. — Type material:

NHMUK 197982.1, lectotype; NHMUK 197982.2-5, paralectotypes (listed by A. Salvador & Pickering 2017: 108). — Current status: the Indo-Pacific *Hastula bacillus* (Deshayes, 1859) (Bratcher & Cernohorsky 1987: 191, pl. 59, fig. 232a-d, pl. D, figs 1-2, who noted that the Hawaiian locality was probably in error; Terry 2007: 21, pls. 10, 51; Terry, in Poppe 2008b: 798, pl. 694, fig. 11, as *Impages*; Fedosov *et al.* 2020: 371).

*badia*, *Terebra* – Deshayes, 1859: 300-301. — Type locality: Guinea. — Type age: Recent. — Current status: *Duplicaria badia* (Deshayes, 1859) (Bratcher & Cernohorsky 1987: 204, pl. 64, fig. 247, pl. E, fig. 23; Terry 2007: 12, pls. 17, 53; Fedosov *et al.* 2020: 365).

*bernardii*, *Terebra* – Deshayes, 1857d: 84-85, pl. 4, fig. 10; 1859: 293. — Type locality: eastern Australia; Cuming & Deshayes colls. (the latter added in 1859). — Type age: Recent. — Type material: NHMUK 197955.1, lectotype; NHMUK 197955.2-3, paralectotypes (listed by A. Salvador & Pickering 2017: 108). — Current status: *Duplicaria bernardii* (Deshayes, 1857) (Bratcher & Cernohorsky 1987: 198-199, pl. 61, fig. 239a-b, pl. 62, fig. 39c, pl. F, fig. 8; Wilson 1994: 219, pl. 52, fig. 29; Terry 2007: 12, pls. 17, 53; Fedosov *et al.* 2020: 365, fig. 3E).

*bipartita*, *Terebra* – Deshayes, 1859: 284. — Type locality: Hawaiian Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 197983.1, lectotype; NHMUK 197983.2, paralectotype (listed by A. Salvador & Pickering 2017: 109). — Current status: synonym of the Indo-Pacific *Hastula albula* (Menke, 1843) [*Terebra*] (Bratcher & Cernohorsky 1987: 180; Terry 2007: 17, pls. 13, 52; Fedosov *et al.* 2020: 371, the latter two without synonymy).

*bitorquata*, *Terebra* – Deshayes, 1859: 313. — Type locality: none given; Crosse coll. — Type age: Recent. New species based on a small variety of *Terebra corrugata* Lamarck, 1822, as figured by Kiener, 1838. Bratcher & Cernohorsky (1987: 129) misinterpreted this as a replacement name. — Current status: synonym of *Terebra corrugata* Lamarck, 1822 (Bouchet 1983: 188-189, figs 1, 17-18; Fedosov *et al.* 2020: 369, the latter without synonymy).

*blanda*, *Terebra* – Deshayes, 1859: 298. — Type locality: Japan; Cuming coll. — Type age: Recent. — Type material: NHMUK 197984, lectotype (listed by A. Salvador & Pickering 2017: 109). *Terebra blanda* Deshayes, 1859 (Bratcher & Cernohorsky 1987: 92-93, pl. 23, fig. 85). — Current status: *Hastulopsis blanda* (Deshayes, 1859) (Terry 2007: 20, pls. 29, 59; Fedosov *et al.* 2020: 379).

*bourguignati*, *Terebra* – Deshayes, 1859: 288. — Type locality: China; Cuming & Deshayes colls. — Type age: Recent. — Type material: MNHN-IM-2000-2352, holotype; 1979103, paralectotype (listed by A. Salvador & Pickering 2017: 109). Synonym of *Terebra plumbea* Quoy & Gaimard, 1833 (Bratcher & Cernohorsky 1987: 97-98). Synonym of *Strioterebrum plumbeum* (Quoy & Gaimard, 1833) (Terry 2007: 27, pls. 30, 60, without synonymy). — Current status: *Punctoterebra plumbea* (Quoy & Gaimard, 1833) (Fedosov *et al.* 2020: 374, without synonymy).

*brevicula*, *Terebra* – Deshayes, 1859: 296-297. — Type locality: “Tasmania, Australia”; Cuming coll. — Type age: Recent. — Type material: NHMUK 197985, 2 probable syntypes (listed by A. Salvador & Pickering 2017: 110). The west African *Terebra brevicula* Deshayes, 1859 (Bouchet 1983: 198-199, figs 9, 38-39, as *T. “gruveli Dautzenberg,”* 1912, a junior synonym; Bratcher & Cernohorsky 1987: 170-172, pl. 52, figs 204a-c, who clarified the type locality as being Santa Maria Bay, Angola). — Current status: *Duplicaria brevicula* (Deshayes, 1858) (Terry 2007: 12, pls. 17, 53; Fedosov *et al.* 2020: 365, fig. 3D).

*bruguieri*, *Terebra* – Deshayes, 1859: 297. — Type locality: China; Cuming coll. — Type age: Recent. *Terebra hindsi* Deshayes, 1857, *non Terebra hindsi* (P. P. Carpenter, 1857) [*Myurella*], unnecessary

replacement name because Carpenter’s taxon was published on 1 August and Deshayes’ in July. In any event, both *T. hindsi* and *T. bruguieri* are synonyms of *Terebra conspersa* Hinds, 1844 (Bratcher & Cernohorsky 1987: 86-87, pl. 21, fig. 73b, lectotype of *T. hindsi* Deshayes). Carpenter’s junior homonym is a synonym of the eastern Pacific *Neoterebra interincta* (Hinds, 1844) [*Terebra*]. *Hastulopsis conspersa* (Hinds, 1844) (Terry 2007: 20, pls. 28, 44, 59, without synonymy). — Current status: *Myurella conspersa* (Hinds, 1844) (Fedosov *et al.* 2020: 374).

*caliginosa*, *Terebra* – Deshayes, 1859: 287-288. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 197987, lectotype (listed by A. Salvador & Pickering 2017: 111). *Terebra caliginosa* Deshayes, 1859 (Bratcher & Cernohorsky 1987: 97, pl. 24, fig. 91a-b). *Strioterebrum caliginosa* (Deshayes, 1859) (Terry 2007: 27, pls. 30, 60). — Current status: *Punctoterebra caliginosum* (Deshayes, 1850) (Fedosov *et al.* 2020: 375).

*chilensis*, *Terebra* – Deshayes, 1859: 295. — Type locality: Chile; Deshayes coll. — Type age: Recent. — Type material: MNHN-IM-2000-2363, holotype. Synonym of *Terebra gemmulata* Kiener, 1839 1859 (Bratcher & Cernohorsky 1987: 148). — Current status: *Duplicaria gemmulata* (Kiener, 1839) (Terry 2007: 13, pls. 18, 53; Fedosov *et al.* 2020: 365, both without synonymy).

*chinensis*, *Terebra* – Deshayes, 1859: 309. — Type locality: China; Deshayes coll. — Type age: Recent. — Current status: *nomen dubium* (Bratcher & Cernohorsky 1987: 30).

*cinctella*, *Terebra* – Deshayes, 1859: 305. Mouth of the Indus River; Cuming coll. — Type age: Recent. — Type material: NHMUK 197988.1, lectotype; NHMUK 197988.2-3, paralectotypes (listed by A. Salvador & Pickering 2017: 112). *Terebra cinctella* Deshayes, 1859 (Bratcher & Cernohorsky 1987: 100, pl. 26, fig. 96a-b, pl. C, fig. 23). *Myurella cinctella* (Deshayes, 1859) (Terry 2007: 23, pls. 26, 57). — Current status: *Macaulaeger cinctella* (Deshayes, 1859) (Fedosov *et al.* 2020: 378).

*circinata*, *Terebra* – Deshayes, 1857d: 99-100, pl. 4, figs 6-7; 1859: 315. — Type locality: China; Cuming coll.; Deshayes coll. (added in 1859). — Type age: Recent. — Type material: NHMUK 20140785.1, lectotype; NHMUK 20140785.2-4, paralectotypes (listed by A. Salvador & Pickering 2017: 112). Synonym of *Terebra anilis* (Röding, 1798) (Bratcher & Cernohorsky 1987: 62-64, pl. 12, fig. 39c, paralectotype). — Current status: *Terebra circinata* Deshayes, 1857 (Fedosov *et al.* 2020: 369).

*circumcincta*, *Terebra* – Deshayes, 1857d: 77-78, pl. 3, fig. 9; 1859: 283. — Type locality: Red Sea; Cuming coll. — Type age: Recent. — Type material: NHMUK 1978150, holotype (listed by A. Salvador & Pickering 2017: 112). — Type species (OD) of *Perirhoe* Dall, 1908. *Terebra circumcincta* Deshayes, 1857 (Powell 1979: 246, pl. 47, fig. 18; Bratcher & Cernohorsky 1987: 48, pl. 6, fig. 21, pl. 7, fig. 21b; Wilson 1994: 224, pl. 52, fig. 3). — Current status: *Perirhoe circumcincta* (Deshayes, 1857) (Terry 2007: 25, pls. 9, 51; Boutet *et al.* 2020: 463; Fedosov *et al.* 2020: 379, fig. 10E).

*columnaris*, *Terebra* – Deshayes, 1859: 301. — Type locality: none given; Deshayes coll. — Type age: Recent. — Type material: MNHN-IM-2000-2364, holotype. — Current status: synonym of *Terebra cingulifera* Lamarck, 1822 (Bratcher & Cernohorsky 1987: 50-52; Terry 2007: 30, pls. 19, 55; Fedosov *et al.* 2020: 369, fig. 5J, the latter two without synonymy), the type species (typification of replacement name) of *Dimidacus* Iredale, 1929, a synonym of *Terebra* Bruguière, 1789.

*concinna*, *Terebra* – Deshayes, 1857d: 98-99, pl. 3, fig. 10, *non T. concinna* (Dillwyn, 1817) [*Buccinum*], the latter actually a *Hastula*. — Type locality: Japan [actually Senegal]; Cuming coll. — Type age: Recent. — Type material: MNHN-IM-2000-2353, lectotype;



**MNHN-IM-2000-2354**, 2 paralectotypes. NHMUK 19791.1, paralectotype (listed by A. Salvador & Pickering 2017: 113). *Terebra divisa* Pease, 1868, was a replacement name. Discussed by Bouchet (1983: 193, figs 28-29) as *T. concinna* Deshayes, 1857. However, both are now regarded as synonyms of *Terebra dillwynii* (Deshayes, 1859) (Bratcher & Cernohorsky 1987: 167), the replacement being regarded as permanent. — Current status: synonym of *Oxymeris dillwynii* (Deshayes, 1859), a species discussed by Fedosov *et al.* (2020: 372).

*consobrina*, *Terebra* – Deshayes, 1857d: 72-73, pl. 3, fig. 3; 1859: 308. — Type locality: Red Sea; Cuming coll.; Deshayes coll. (added in 1859). — Type age: Recent. — Type material: NHMUK 197956.1, lectotype; NHMUK 20140785.2-3, paralectotypes (listed by A. Salvador & Pickering 2017: 113); **MNHN-IM-2000-2365**, 3 paralectotypes. — Current status: *Terebra consobrina* Deshayes, 1857 (Bratcher & Cernohorsky 1987: 36, pl. 2, fig. 4a-b, pl. B, fig. 17; Boutet *et al.* 2020: 464; Fedosov *et al.* 2020: 369).

*continua*, *Terebra* – Deshayes, 1859: 286. — Type locality: none given; Cuming & Deshayes colls. — Type age: Recent. — Type material: NHMUK 197898, lectotype; **MNHN-IM-2000-2356**, 2 paralectotypes (listed by A. Salvador & Pickering 2017: 114). The Japanese *Hastula continua* (Deshayes, 1859) (Bratcher & Cernohorsky 1987: 190-191, pl. 59, figs 231a-b; Fedosov *et al.* 2020: 371).

*crassula*, *Terebra* – Deshayes, 1859: 282. — Type locality: none given; Deshayes coll. — Type age: Recent. — Type material: **MNHN-IM-2000-2360**, lectotype. — Current status: synonym of the western Atlantic *Hastula hastata* (Gmelin, 1791) [*Buccinum*] (Bratcher & Cernohorsky 1987: 184; Fedosov *et al.* 2020: 371, without synonymy).

*crenifera*, *Terebra* – Deshayes, 1859: 298. — Type locality: “China”; Cuming coll. — Type age: Recent. — Type material: NHMUK 197990, lectotype (listed by A. Salvador & Pickering, 2017: 114). The eastern Pacific *Terebra crenifera* Deshayes, 1859 (Bratcher & Cernohorsky 1987: 140, pl. 40, figs 155a-c). Type locality clarified as being Guaymas, Sonora, Mexico (Bratcher & Cernohorsky, 1987). — Current status: *Neoterebra crenifera* (Deshayes, 1859: 377) (Fedosov *et al.* 2020: 377).

*crossii*, *Terebra* – Deshayes, 1859: 289. — Type locality: Indian Ocean; Crosse coll. — Type age: Recent. — Type material: **MNHN-IM-2000-2359**, holotype. — Current status: synonym of the Indo-Pacific *Hastula penicillata* (Hinds, 1844) [*Terebra*] (Bratcher & Cernohorsky 1987; Fedosov *et al.* 2020: 371).

*cumingii*, *Terebra* – Deshayes, 1857d: 66-67, pl. 3, fig. 1; 1859: 311. — Type locality: China; Cuming coll. — Type age: Recent. — Type material: NHMUK 197957.1, lectotype; NHMUK 197957.2, paralectotype (listed by A. Salvador & Pickering 2017: 115). — Current status: *Terebra cumingii* Deshayes, 1857 (Bratcher & Cernohorsky 1987: 66, pl. 13, fig. 44a-c, pl. C, fig. 4; Wilson 1994: 225, pl. 53, fig. 12; Qi 2004: 128, pl. 77, fig. F; Fedosov *et al.* 2020: 369).

*decorata*, *Terebra* – Deshayes, 1857d: 75-73, pl. 4, fig. 13. Pidang. — Type locality: Sumatra; Capt. Martin; Cuming coll. — Type age: Recent. — Type material: NHMUK 197958.1, lectotype; NHMUK 197958.2, paralectotype (listed by A. Salvador & Pickering 2017: 115). — Current status: synonym of *Terebra tessellata* J. E. Gray, 1834 (Bratcher & Cernohorsky 1987: 36, pl. 2, fig. 5c, Deshayes lectotype; Fedosov *et al.* 2020: 370, without synonymy).

*difficilis*, *Terebra* – Deshayes, 1859: 304. — Type locality: none given; Deshayes coll. — Type age: Recent. — Current status: *nomen dubium* (Bratcher & Cernohorsky 1987: 30; Terryn & Fraussen 2022: 136).

*dillwynii*, *Terebra* – Deshayes, 1859: 279. — Type locality: “Japan”; Cuming & Deshayes colls. — Type age: Recent. — Type material: NHMUK 197991.1, lectotype; NHMUK 197991.2, paralectotype

(listed by A. Salvador & Pickering 2017: 115). *Terebra dillwynii* Deshayes, 1859 (Bratcher & Cernohorsky 1987: 167, pl. 51, fig. 198, pl. D, fig. 15, who clarified the type locality as being Cap Vert, Senegal). *Acus dillwynii* (Deshayes, 1859) (Terryn 2007: 5, pls. 3, 49). — Current status: the west African *Oxymeris dillwynii* (Deshayes, 1859) (Fedosov *et al.* 2020: 372).

*dispar*, *Terebra* – Deshayes, 1859: 284. — Type locality: none given; Deshayes coll. — Type age: Recent. — Type material: **MNHN-IM-2000-2358**, 6 syntypes. — Current status: *nomen dubium* (Bratcher & Cernohorsky 1987: 30; Wilson 1994: 221, pl. 53, fig. 19a-b, as “cf.”).

*dunckeri*, *Terebra* – Deshayes, 1859: 285. Replacement name for *Terebra eburnea* Dunker, 1853, *non* Hinds, 1844. — Type locality: none given. — Type age: Recent. — Current status: *nomen dubium* (Bratcher & Cernohorsky 1987: 30).

*evoluta*, *Terebra* – Deshayes, 1859: 292. — Type locality: Japan; Cuming coll. — Type age: Recent. — Type material: NHMUK 197992.1, lectotype; NHMUK 197992.2-4, 3 paralectotypes (listed by A. Salvador & Pickering 2017: 116). — Current status: *Duplicaria evoluta* (Deshayes, 1859) (Bratcher & Cernohorsky 1987: 202; pl. 63, fig. 245a-b; Wilson 1994: 219, pl. 53, fig. 18; Terryn 2007: 13, pls. 17, 53; Tsuchida & Kubo, in Okutani 2017: 1043, pl. 335, fig. 1; Fedosov *et al.* 2020: 365; Terryn & Chino 2022: 9-10, pl. 1, fig. 11, pl. 2, figs 1-19, pl. 3, figs 1-11).

*exigua*, *Terebra* – Deshayes, 1859: 301. — Type locality: eastern Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 197993, lectotype (listed by A. Salvador & Pickering 2017: 117). Synonym of *Terebra succincta* (Gmelin, 1791) (Bratcher & Cernohorsky 1987: 103-104, pl. 27, fig. 103b). Terryn 2007: 34, pls. 31, 61, without synonymy). — Current status: *Punctoterebra succincta* (Gmelin, 1791) (Fedosov *et al.* 2020: 375, fig. 8D, without synonymy).

*eximia*, *Terebra* – Deshayes, 1859: 314. — Type locality: Pidang, Sumatra; Cuming coll. — Type age: Recent. — Type material: **MNHN-IM-2000-2370**, lectotype. *Terebra eximia* Deshayes, 1859 (Bratcher & Cernohorsky 1987: 38, pl. 2, fig. 7a-c). *Cinguloterebra eximia* (Deshayes, 1859) (Terryn 2007: 8, pls. 22, 56). — Current status: *Terebra eximia* Deshayes, 1859 (Fedosov *et al.* 2020: 369, with *Cinguloterebra* regarded as a synonym of *Terebra*).

*festiva*, *Terebra* – Deshayes, 1857d: 74-75, pl. 3, fig. 4; 1859: 278. — Type locality: Senegal; Cuming & Deshayes colls. — Type age: Recent. — Type material: NHMUK 1979059.1, lectotype; NHMUK 1979059.2-3, paralectotypes (listed by A. Salvador & Pickering, 2017: 117). Synonym of *Terebra senegalensis* Lamarck, 1822 (Bouchet 1983: 191-192, figs 3, 22-27; Bratcher & Cernohorsky 1987: 166-167). *Acus senegalensis* (Lamarck, 1822) (Terryn 2007: 6, pls. 3, 49, without synonymy). — Current status: *Oxymeris senegalensis* (Lamarck, 1822) [*Terebra*] (Fedosov *et al.* 2020: 372, without synonymy).

*fimbriata*, *Terebra* – Deshayes, 1857d: 71-72, pl. 5, fig. 1; 1859: 276. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: MNHN-IM-2367, lectotype; 197954/1-3, paralectotypes (listed by A. Salvador & Pickering 2017: 117-118). Synonym of the Indo-Pacific *Terebra crenulata* (Linnaeus, 1758) (Bratcher & Cernohorsky 1987: 41, pl. 3, fig. 11a, lectotype). *Acus crenulata* (Linnaeus, 1758) (Terryn 2007: 5, pls. 1, 49, without synonymy). — Current status: *Oxymeris crenulata* (Linnaeus, 1758) [*Buccinum*] (Fedosov *et al.* 2020: 372, without synonymy).

*flavescens*, *Terebra* – Deshayes, 1859: 299. — Type locality: Hawaiian Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 19790094, lectotype (listed by A. Salvador & Pickering 2017: 118). Synonym of *Terebra succincta* (Gmelin, 1791) (Bratcher &

Cernohorsky 1987: 100-104, pl. 27, fig. 103b); Terryn 2007: 34, pls. 31, 61). — Current status: *Punctoterebra succincta* (Gmelin, 1791) (Fedosov *et al.* 2020: 375, fig. 8D, without synonymy; Terryn & Fraussen 2022: 136-137, figs 1Q, S, 2H-P).

*formosa*, *Terebra* – Deshayes, 1857d: 65-66, pl. 3, fig. 6; 1859: 307. — Type locality: Panama Bay; Cuming coll. — Type age: Recent. — Type material: NHMUK 197960, lectotype (listed by A. Salvador & Pickering 2017: 118). — Current status: *Terebra formosa* Deshayes, 1857 (Bratcher & Cernohorsky 1987: 126, pl. 35, fig. 138a-d, pl. B, fig. 12; Terryn 2007: 29, pls. 7, 50; Fedosov *et al.* 2020: 369).

*fortunei*, *Terebra* – Deshayes, 1857d: 79, pl. 4, fig. 1; 1859: 312. — Type locality: China; Cuming coll. — Type age: Recent. — Type material: NHMUK 19790061, lectotype (listed by A. Salvador & Pickering 2017: 118). — Type species (OD) of *Clathroterebra* Oyama, 1961, which is now regarded as a synonym of *Myurella* Hinds, 1845. *Terebra fortunei* Deshayes, 1857 (Bratcher & Cernohorsky 1987: 108-110, pl. 29, fig. 111a-c, pl. E, fig. 1; Wilson 1994: 226, pl. 53, fig. 1). *Clathroterebra fortunei* (Deshayes, 1857) (Terryn 2007: 10, pls. 27, 58; Terryn, in Poppe 2008b: 812, pl. 701, figs 5-6, as *Cinguloterebra*; Terryn, 2017; Tsuchida & Kubo, in Okutani 2017: 1050, pl. 339, fig. 15). — Current status: *Myurella fortunei* (Deshayes, 1857) (Fedosov *et al.* 2020: 374, fig. 7B).

*geminata*, *Terebra* – Deshayes, 1859: 296. — Type locality: Cape Natal, South Africa; Cuming coll. — Type age: Recent. — Type material: NHMUK 197995.1, lectotype; NHMUK 197995.2, paralectotype (listed by A. Salvador & Pickering 2017: 119). — Current status: synonym of *Duplicaria spectabilis* (Hinds, 1844) (Bratcher & Cernohorsky 1987: 199-200; Terryn 2007: 14, pls. 18, 53; Terryn & Chino 2022: 17, pl. 4, fig. 1, the latter two without synonymy).

*glabra*, *Terebra* – Deshayes, 1857d: 101-102, pl. 5, fig. 13; 1859: 281-282. — Type locality: China; Deshayes coll. — Type age: Recent. — Type material: MNHN-IM-2000-2374, lectotype. Synonym of *Terebra consors* Hinds, 1844 (Bratcher & Cernohorsky, 1987: 44-46; Terryn 2007: 28, pls. 5, 50, without synonymy). — Current status: *Oxymeris consors* (Hinds, 1844) (Fedosov *et al.* 2020: 372).

*gouldi*, *Terebra* – Deshayes, 1857d: 89-91, pl. 4, fig. 14; 1859: 278. — Type locality: Hawaii; Cuming & Deshayes colls. — Type age: Recent. — Type material: NHMUK 197962.1, lectotype; NHMUK 197962.2, paralectotype (listed by A. Salvador & Pickering 2017: 119); MNHN-IM-2000-2369, 5 paralectotypes. *Duplicaria gouldi* (Deshayes, 1857) (Bratcher & Cernohorsky 1987: 206, pl. 64, fig. 251; Terryn 2007: 13, pls. 16, 53). — Current status: *Oxymeris gouldi* (Deshayes, 1857) (Severns 2011: 370, pl. 168, fig. 3; Fedosov *et al.* 2020: 372).

*hindi*, *Terebra* – Deshayes, 1857 (July): 81-82, pl. 5, fig. 5, *non* (P. Carpenter, 1857, but 1 August, i.e. later) [*Myurella*]. — Type locality: China; Cuming coll. — Type age: Recent. — Type material: NHMUK 197986.1, lectotype; NHMUK 197986.2, paralectotype (listed by A. Salvador & Pickering 2017: 120). See above under *T. bruguieri*. Synonym of *Terebra conspersa* Hinds, 1844 (Bratcher & Cernohorsky 1987: 86-87, pl. 21, fig. 73b, lectotype). Synonym of *Hastulopsis conspersa* (Hinds, 1844) (Terryn 2007: 20, pls. 28, 29, 59, without synonymy). — Current status: *Myurella conspersa* (Hinds, 1844) (Fedosov *et al.* 2020: 374).

*histrion*, *Terebra* – Deshayes, 1857d: 76-77, pl. 4, fig. 11; 1859: 308-309. — Type locality: none given; Deshayes coll. — Type age: Recent. — Type material: missing. — Current status: the west African *Terebra histrion* Deshayes, 1857 (Bouchet 1983: 190-191, figs 5, 20-21; Bratcher & Cernohorsky 1987: 170, pl. 52, fig. 203a-b; Terryn 2007: 29, pls. 7, 50; Fedosov *et al.* 2020: 370).

*incolor*, *Terebra* – Deshayes, 1859: 283. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 197996, lectotype (listed by A. Salvador & Pickering 2017: 121). *Hastulina incolor* (Deshayes, 1859) (Tsuchida & Kubo, in Okutani 2017: 1042; pl. 334, fig. 10, as “cf.”). — Current status: synonym of the Indo-Pacific *Hastula albula* (Menke, 1843) [*Terebra*] (Bratcher & Cernohorsky 1987: 180; Fedosov *et al.* 2020: 371, without synonymy).

*incomparabilis*, *Terebra* – Deshayes, 1859: 307. — Type locality: Panama; Cuming coll. — Type age: Recent. — Type material: NHMUK 197997, lectotype (listed by A. Salvador & Pickering 2017: 121). — Current status: synonym of the eastern Pacific *Terebra formosa* Deshayes, 1857 (Bratcher & Cernohorsky 1987: 126, pl. 35, fig. 138a-d, pl. B, fig. 12; Terryn 2007: 29, pls. 7, 50; Fedosov *et al.* 2020: 369).

*insignis*, *Terebra* – Deshayes, 1857d: 70-71, pl. 3, fig. 6; 1859: 308. — Type locality: Panama; Cuming coll. — Type age: Recent. — Type material: NHMUK 197963.1, lectotype; NHMUK 197963.2, paralectotype (listed by A. Salvador & Pickering 2017: 121). — Current status: synonym of the eastern Pacific *Terebra robusta* Hinds, 1844 (Bratcher & Cernohorsky 1987: 124-126; Terryn 2007: 29, pls. 8, 50; Fedosov *et al.* 2020: 370, the latter two without synonymy). *Terebra robusta* is the type species (OD) of *Panaterebra* Olsson, 1967, which is now regarded as a synonym of *Terebra*.

*interlineata*, *Terebra* – Deshayes, 1859: 277. — Type locality: Hawaiian Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 197998, lectotype (listed by A. Salvador & Pickering 2017: 121). Synonym of *Terebra crenulata* (Linnaeus, 1758) (Bratcher & Cernohorsky 1987: 41). *Acus crenulata* (Linnaeus, 1758) (Terryn 2007: 5, pls. 1, 49, without synonymy). — Current status: *Oxymeris crenulata* (Linnaeus, 1758) [*Buccinum*] (Fedosov *et al.* 2020: 372, without synonymy).

*jukesii*, *Terebra* – Deshayes, 1857d: 95-96, pl. 6, fig. 9; 1859: 293. — Type locality: Port Essington, Northern Territory, Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 197964.1; NHMUK 197964.2, paralectotype (listed by A. Salvador & Pickering 2017: 122). — Current status: *Duplicaria jukesii* (Deshayes, 1857) (Bratcher & Cernohorsky 1987: 199, pl. 62, fig. 240a-b; Terryn 2007: 13, pls. 18, 54; Wilson 1994: 220, pl. 52, fig. 20; Fedosov *et al.* 2020: 365).

*kieneri*, *Terebra* – Deshayes, 1859: 294. — Type locality: Tasmania, Australia; Cuming and Paris Museum colls. — Type age: Recent. — Type material: NHMUK 197999.1, lectotype; NHMUK 197999.2, paralectotype; MNHN-IM-2000-2379, 5 paralectotypes (listed by A. Salvador & Pickering 2017: 123). — Current status: *Duplicaria kieneri* (Deshayes, 1859) (Bratcher & Cernohorsky 1987: 210-212, pl. 67, fig. 260a-b; Terryn 2007: 13, pls. 18, 53; Wilson 1994: 220, pl. 53, fig. 7; Fedosov *et al.* 2020: 365).

*lactea*, *Terebra* – Deshayes, 1859: 285. — Type locality: “Hawaiian Islands”; Cuming & Deshayes colls. — Type age: Recent. — Type material: NHMUK 1979100.1, lectotype; NHMUK 1979100.2-3, paralectotypes (listed by A. Salvador & Pickering 2017: 123); MNHN-IM-2000-2378, paralectotype. Synonym of the Indo-Pacific *Hastula bacillus* (Deshayes, 1859) (Bratcher & Cernohorsky 1987: 191). *Impages bacillus* (Deshayes, 1859) (Terryn 2007: 21, pls. 10, 51, without synonymy). — Current status: *Hastula bacillus* (Deshayes, 1859) (Fedosov *et al.* 2020: 371).

*lima*, *Terebra* – Deshayes, 1857d: 69-70, pl. 4, fig. 2; 1859: 312. — Type locality: China; Cuming coll. — Type age: Recent. — Type material: NHMUK 197965, lectotype (listed by A. Salvador & Pickering 2017: 125). *Terebra lima* Deshayes, 1857 (Bratcher & Cernohorsky 1987: 65, pl. 13, fig. 42a-c, pl. F, fig. 7; Wilson 1994: 226, pl. 51, fig. 2). *Cinguloterebra lima* (Deshayes, 1857) (Terryn



2007: 9, pls. 21, 56; Terry, in Poppe 2008b: 802, pl. 696, fig. 14; Tsuchida & Kubo, in Okutani 2017: 1050, pl. 340, fig. 2). — Current status: *Terebra lima* Deshayes, 1857 (Fedosov *et al.* 2020: 370).

*longiscata*, *Terebra* – Deshayes, 1859: 294. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1979101, probable syntype (listed by A. Salvador & Pickering 2017: 125). Synonym of *Terebra swainsoni* Deshayes, 1859 (Bratcher & Cernohorsky 1987: 98-100, pl. 25, fig. 95b, possible type). — Current status: *Punctoterebra longiscata* (Deshayes, 1859) (Fedosov *et al.* 2020: 375).

*loroisi*, *Terebra* – Deshayes, 1859: 313-314. Replacement name for *Terebra nebulosa* Lorois, 1858, non G. B. Sowerby I, 1825. — Type locality: none given [Indo-Pacific]. — Type age: Recent. — Current status: synonym of *Terebra guttata* (Röding, 1798) [*Epitonium*] (Bratcher & Cernohorsky 1987: 38; Terry 2007: 29, pls. 5, 50; Fedosov *et al.* 2020: 370, the latter two without synonymy).

*marginata*, *Terebra* – Deshayes, 1857d: 86-87, pl. 4, fig. 8; 1859: 296. — Type locality: “Gambia”; Cuming coll. — Type age: Recent. — Type material: NHMUK 197966.1, lectotype; NHMUK 197966.2, paralectotype (listed by A. Salvador & Pickering 2017: 126). Synonym of the eastern Pacific *Terebra armillata* Hinds, 1844 (Bratcher & Cernohorsky 1987: 149-141, pl. 40, fig. 156b, lectotype; Terry 2007: 35, pls. 40, 63, without synonymy). — Current status: *Neoterebra armillata* (Hinds, 1844) (Fedosov *et al.* 2020: 377, without synonymy).

*marmorata*, *Terebra* – Deshayes, 1859: 279-280. — Type locality: Moreton Bay, Queensland, Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 1979102, lectotype (listed by A. Salvador & Pickering 2017: 126). *Terebra marmorata* Deshayes, 1859 (Bratcher & Cernohorsky 1987: 89-90, pl. 22, fig. 79a-b; Wilson 1994: 227, pl. 52, fig. 15). *Decorihastula marmorata* (Deshayes, 1859) (Tsuchida & Kubo, in Okutani 2017: 1046, pl. 337, fig. 3). — Current status: *Hastulopsis marmorata* (Deshayes, 1859) (Terry 2007: 20, pls. 29, 59; Fedosov *et al.* 2020: 379).

*matheroniana*, *Terebra* – Deshayes, 1859: 287. — Type locality: Tahiti; Deshayes coll. — Type age: Recent. — Type material: MNHN-IM-2000-2375, lectotype. — Current status: the Indo-Pacific *Hastula matheroniana* (Deshayes, 1859) (Bratcher & Cernohorsky 1987: 174, pl. 53, fig. 208a-d; Wilson 1994: 221, pl. 53, fig. 27; Terry 2007: 18, pls. 12, 52; Terry, in Poppe 2008b: 800, pl. 695, figs 1-3; Severns 2011: 372, pl. 169, fig. 14; Tsuchida & Kubo, in Okutani 2017: 1042, pl. 334, fig. 4; Boutet *et al.* 2020: 460; Fedosov *et al.* 2020: 372).

*modesta*, *Terebra* – Deshayes, 1859: 288. — Type locality: Mouth of Indus River; Cuming coll. — Type age: Recent. — Type material: NHMUK 1979104.1, lectotype; NHMUK 1979104.2, paralectotype (listed by A. Salvador & Pickering 2017: 127). — Current status: synonym of The Indo-Pacific *Hastula matheroniana* (Deshayes, 1859) (Bratcher & Cernohorsky 1987: 174); see references under that species above.

*nana*, *Terebra* – Deshayes, 1859: 291-292. — Type locality: Mouth of Indus River; Cuming coll. — Type age: Recent. — Type material: NHMUK 1979105, lectotype (listed by A. Salvador & Pickering 2017: 127). — Current status: *Hastula nana* (Deshayes, 1859) (Bratcher & Cernohorsky 1987: 180-181, pl. 55, fig. 215a-b; Fedosov *et al.* 2020: 372). *Impages nana* (Hinds, 1844) (Terry 2007: 23, pls. 10, 51).

*nodularis*, *Terebra* – Deshayes, 1859: 295-296. — Type locality: Hawaiian Islands; Cuming & Deshayes colls. — Type age: Recent. — Type material: NHMUK 1979106.1, lectotype; 1979106/2-3, paralectotypes (listed by A. Salvador & Pickering 2017: 128); MNHN-IM-2000-2393, 2 paralectotypes. — Current status:

*Terebra nodularis* Deshayes, 1859 (Bratcher & Cernohorsky 1987: 74, pl. 16, fig. 53a-b; Terry 2007: 39, pls. 36, 64; Severns 2011: 380, pl. 173, fig. 5; Fedosov *et al.* 2020: 370).

*obsoleta*, *Terebra* – Deshayes, 1859: 310. — Type locality: none given; Deshayes coll. — Type age: Recent. — Type material: MNHN-IM-2000-2394, holotype. — Current status: synonym of the Indian Ocean *Terebra cingulifera* Lamarck, 1822 (Bratcher & Cernohorsky 1987: 50-52, pl. 7, fig. 3b, holotype; Terry 2007: 30, pls. 19, 55; Fedosov *et al.* 2020: 369, fig. 5J, the latter two without synonymy). *Terebra cingulifera* is the type species of *Dimidacus* Iredale, 1929, a synonym of *Terebra* Bruguière, 1789.

*pallida*, *Terebra* – Deshayes, 1857d: 87-88, pl. 4, fig. 3; 1859: 311. Marquesas Islands, French Polynesia; Cuming coll. — Type age: Recent. — Type material: NHMUK 197967.1, lectotype; NHMUK 197967.2-3, paralectotypes (listed by A. Salvador & Pickering 2017: 128). — Current status: synonym of *Terebra punctatostriata* J. E. Gray, 1834 (Bratcher & Cernohorsky 1987: 52, pl. 8, fig. 24c, “holotype”; Terry 2007: 31, pls. 19, 48, 55; Fedosov *et al.* 2020: 370, the latter two without synonymy).

*peasii*, *Terebra* – Deshayes, 1859: 302. — Type locality: Hawaiian Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1979107.1, lectotype; NHMUK 1979107.2, paralectotype (listed by A. Salvador & Pickering 2017: 129). — Current status: synonym of *Terebra affinis* J. E. Gray, 1834 (Bratcher & Cernohorsky 1987: 80-82, pl. 19, fig. 65c, lectotype), now *Myurella affinis* (Gray, 1834) (Terry 2007: 23, pls. 25, 45, 48, 57; Fedosov *et al.* 2020: 372, both two without synonymy). *Terebra affinis* Gray is the type species Z(SD Cossmann, 1896) of *Myurella* Hinds, 1845.

*petiveriana*, *Terebra* – Deshayes, 1857d: 85-86, pl. 5, fig. 10; 1859: 302. — Type locality: Panama; Cuming coll. — Type age: Recent. — Type material: NHMUK 197968.1, lectotype; NHMUK 197968.2, paralectotype (listed by A. Salvador & Pickering 2017: 130). *Terebra petiveriana* Deshayes, 1857 (Bratcher & Cernohorsky 1987: 132-134, pl. 38, fig. 148a-c, pl. E, fig. 19 – fig. 148b is lectotype). *Pristiterebra petiveriana* (Deshayes, 1857) (Terry 2007: 26, pls. 38, 58). — Current status: *Neoterebra petiveriana* (Deshayes, 1857) (Fedosov *et al.* 2020: 377).

*philippiana*, *Terebra* – Deshayes, 1859: 289. Marquesas Islands. — Type locality: French Polynesia; Cuming coll. — Type age: Recent. — Type material: NHMUK 1979108, lectotype (listed by A. Salvador & Pickering 2017: 130). — Current status: *Hastula philippiana* (Deshayes, 1859) (Bratcher & Cernohorsky 1987: 181, pl. 56, fig. 217a-c; Terry 2007: 18, pls. 13, 52; Boutet *et al.* 2020: 460; Fedosov *et al.* 2020: 372).

*plicatella*, *Terebra* – Deshayes, 1857d: 96-97, pl. 3, fig. 5; 1859: 293-294. — Type locality: Tasmania, Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 197924.1, lectotype; 197924/2-3, paralectotypes (listed by A. Salvador & Pickering 2017: 130). Synonym of *Terebra nitida* Hinds, 1844 (Bratcher & Cernohorsky 1987: 97, pl. 25, fig. 92b, lectotype). *Strioterebrum nitida* (Hinds, 1844) (Terry 2007: 27, pls. 30, 60, without synonymy). — Current status: *Punctoterebra nitida* (Hinds, 1844) (Fedosov *et al.* 2020: 374, without synonymy). *Terebra nitida* Hinds, 1844, is the type species (OD) of *Punctoterebra* Bartsch, 1923.

*polygyrata*, *Terebra* – Deshayes, 1859: 301. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1979109, lectotype (listed by A. Salvador & Pickering 2017: 130). *Terebra polygyrata* Deshayes, 1859. (Bratcher & Cernohorsky 1987: 104, pl. 28, fig. 104a-b; Wilson 1994: 228, pl. 53, fig. 5; Terry 2007: 34, pls. 31, 61; Poppe 2017: 498, pl. 1549, fig. 2; Tsuchida & Kubo, in Okutani 2017: 1045, pl. 336, fig. 3). — Current status: *Punctoterebra polygyrata* (Deshayes, 1859: 375) (Fedosov *et al.* 2020: 375; Terry & Fraussen 2022: 146, figs 1G, 4I-K).

*praelonga*, *Terebra* – Deshayes, 1859: 315-316. — Type locality: Port Curtis, Queensland, Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 1979110.1, lectotype; 1979110/2, paralectotype (listed by A. Salvador & Pickering 2017: 131). Synonym of *Terebra triseriata* J. E. Gray, 1834 (Bratcher & Cernohorsky 1987: 66-68, pl. 14, fig. 45a-c, pl. C, fig. 5). — Current status: *Terebra praelonga* Deshayes, 1859 (Fedosov *et al.* 2020: 370).

*pulchella*, *Terebra* – Deshayes, 1857d: 94, pl. 5, fig. 4; 1859: 297-298. — Type locality: China; Cuming coll.; Crosse coll. (added in 1859). — Type age: Recent. — Type material: NHMUK 197969.1, lectotype; NHMUK 197969.2, paralectotype (listed by A. Salvador & Pickering 2017: 131). — Current status: synonym of *Terebra specillata* Hinds, 1844 (Bratcher & Cernohorsky 1987: 136), now *Neoterebra specillata* (Hinds, 1844) (Fedosov *et al.* 2020: 377), type species (OD) of *Neoterebra* Fedosov *et al.*, 2020.

*punctulata*, *Terebra* – Deshayes, 1859: 280. — Type locality: none given; Deshayes coll. — Type age: Recent. — Type material: MNHN-IM-2000-2189, lectotype. Synonym of *Terebra affinis* J. E. Gray, 1834 (Bratcher & Cernohorsky 1987: 80-82, pl. 19, fig. 65d, lectotype). — Current status: synonym of *Myurella affinis* (J. E. Gray, 1834), the type species (SD Cossman, 1896) of *Myurella* Hinds, 1845 (Terryin 2007: 23, pls. 25, 45, 48, 57; Fedosov *et al.* 2020: 372, both without synonymy). Also type species (OD) of *Decorihastula* Oyama, 1961, which is thus an objective synonym.

*pura*, *Terebra* – Deshayes, 1857d: 82-83, pl. 5, fig. 8; 1859: 281. — Type locality: Zanzibar; Cuming coll. (clarified in 1859). — Type age: Recent. — Type material: NHMUK 197970.1, lectotype; 197970/2-3, paralectotypes (listed by A. Salvador & Pickering 2017: 132). — Current status: synonym of *Terebra fatua* Hinds, 1844 (Bratcher & Cernohorsky 1987: 167-168). *Acus fatua* (Hinds, 1844) (Terryin 2007: 6, pls. 1, 49, without synonymy), now *Oxymeris fatua* (Hinds, 1844) (Fedosov *et al.* 2020: 372, without synonymy).

*reevei*, *Terebra* – Deshayes, 1857d: 88-89, pl. 4, fig. 14; 1859: 277-278. — Type locality: “Moluques” [Maluku] Islands, Indonesia; Cuming coll. — Type age: Recent. — Type material: NHMUK 197951.1, lectotype; NHMUK 197951.2-3, paralectotypes (listed by A. Salvador & Pickering 2017: 132). — Current status: *Duplicaria reevei* (Deshayes, 1857) (Terryin 2021: 62, pl. 1, figs 5-6, pl. 2, figs 17-20).

*regina*, *Terebra* – Deshayes, 1857d: 67-68, pl. 3, fig. 7; 1859: 311-323. Senegal; Cuming coll. (clarified in 1859). — Type age: Recent. — Type material: NHMUK 197971, holotype (listed by A. Salvador & Pickering 2017: 132). — Current status: synonym of *Terebra corrugata* Lamarck, 1822 (Bouchet 1983: 188-189, figs 1, 17-18; Bratcher & Cernohorsky 1987: 129, pl. 36, fig. 144b, holotype; Terryin 2007: 29, pls. 7, 50; Fedosov *et al.* 2020: 369, the latter two without synonymy).

*sallaeana*, *Terebra* – Deshayes, 1859: 287. — Type locality: Mexico; Sallé; Cuming coll. — Type age: Recent. — Type material: NHMUK 197911.1, lectotype; 197911/2-3, paralectotypes (listed by A. Salvador & Pickering 2017: 133). The western Atlantic *Hastula sallaeana* (Deshayes, 1859) (Bratcher & Cernohorsky 1987: 192, pl. 60, fig. 234a-b, who corrected the spelling to conform to the person for whom the species was named – ICZN Code Art. 32.5). — Current status: the western Atlantic *Impages sallaeana* (Deshayes, 1859) (Terryin 2007: 23, pls. 10, 51; Rosenberg *et al.* 2009: 662; D. Lamy & Pointier 2018: 523). *Hastula sallaeana* (Deshayes, 1859) (Fedosov *et al.* 2020: 372).

*solida*, *Terebra* – Deshayes, 1857d: 78-79, pl. 3, fig. 11; 1859: 282. — Type locality: Japan; Cuming & Deshayes colls. — Type age: Recent. — Type material: NHMUK 197972, lectotype (listed by A. Salvador & Pickering 2017: 134); MNHN-IM-2000-2184, paralectotype. *Hastula solida* (Deshayes, 1857) (Bratcher & Cernohorsky 1987: 181, pl. 55, fig. 216a-b, pl. E, fig. 9), who declared the

earlier synonym *Buccinum aciculatum* Gmelin, 1791, a *nomen oblatum* (ICZN Code Art. 23.9); Terryin 2007: 19, pls. 12, 52). *Impages solida* (Deshayes, 1857) (Tsuchida & Kubo, in Okutani 2017: 1043, pl. 334, fig. 11). — Current status: *Hastula solida* (Deshayes, 1857) (Terryin, in Poppe 2008b: 800, pl. 695, fig. 16; Severns 2011: 372, pl. 134, fig. 6; Boutet *et al.* 2020: 460; Fedosov *et al.* 2020: 372).

*souleyeti*, *Terebra* – Deshayes, 1859: 303-304. — Type locality: “Gulf of Mexico”; Deshayes coll. — Type age: Recent. — Type material: MNHN-IM-2000-2195, lectotype; MNHN-IM-2000-2193, 2 paralectotypes; MNHN-IM-2000-2194, paralectotype. Synonym of *Terebra succincta* (Gmelin, 1791) (Bratcher & Cernohorsky 1987: 103-104, pl. 27, fig. 103b). — Current status: the Indo-Pacific *Punctoterebra souleyeti* (Deshayes, 1859) (Fedosov *et al.* 2020: 375, fig. 8D; Terryin & Fraussen 2022: 137, figs 1P, 2Q-X).

*sowerbyana*, *Terebra* – Deshayes, 1857d: 93-94, pl. 3, fig. 8; 1859: 277. — Type locality: Gambia; Cuming coll. — Type age: Recent. — Type material: NHMUK 197973, lectotype (listed by A. Salvador & Pickering 2017: 134). v *Terebra sowerbyana* Deshayes, 1857 (Bratcher & Cernohorsky 1987: 55, pl. 9, fig. 29a-c), now *Duplicaria sowerbyana* (Deshayes, 1857) (Fedosov *et al.* 2020: 365).

*speciosa*, *Terebra* – Deshayes, 1859: 279, non Bean, in Thorpe, 1844. — Type locality: none given; Cuming & Deshayes colls. — Type age: Recent. — Type material: NHMUK 1979112.1, lectotype; 1979112/2, paralectotype (listed by A. Salvador & Pickering 2017: 134). — Current status: synonym of *Terebra senegalensis* Lamarck, 1822 (Bouchet 1983: 191-192, figs 3, 22-27; Bratcher & Cernohorsky 1987: 166-167). *Acus senegalensis* (Lamarck, 1822) (Terryin 2007: 6, pls. 3, 49, without synonymy), now *Oxymeris senegalensis* (Lamarck, 1822) [*Buccinum*] (Fedosov *et al.* 2020: 372, without synonymy).

*splendens*, *Terebra* – Deshayes, 1857d: 73-74, pl. 5, fig. 11; 1859: 281. — Type locality: China; Deshayes coll. — Type age: Recent. — Type material: MNHN-IM-2000-2177, lectotype; MNHN-IM-2000-2178, 3 paralectotypes. — Current status: synonym of *Terebra dimidiata* (Linnaeus, 1758) (Bratcher & Cernohorsky 1987: 40; Terryin 2007: 6, pls. 2, 49, without synonymy), now *Oxymeris dimidiata* (Linnaeus, 1758) [*Buccinum*] (Fedosov *et al.* 2020: 372, without synonymy).

*subangulata*, *Terebra* – Deshayes, 1859: 300. — Type locality: none given; Deshayes coll. — Type age: Recent. — Type material: MNHN-IM-2000-2176, holotype. — Current status: *Terebra subangulata* Deshayes, 1859 (Bratcher & Cernohorsky 1987: 106, pl. 29, fig. 107a-b; Fedosov *et al.* 2020: 370).

*swainsoni*, *Terebra* – Deshayes, 1859: 299-300. — Type locality: Hawaiian Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1979113.1, lectotype; 1979113/2-3, paralectotypes (listed by A. Salvador & Pickering 2017: 136). *Terebra swainsoni* Deshayes, 1859 (Bratcher & Cernohorsky 1987: 98-100, pl. 25, fig. 95a-c). *Strioterebrum swainsoni* (Deshayes, 1859) (Terryin 2007: 27, pls. 30, 60; Terryin, in Poppe 2008b: 814, pl. 702, fig. 3; Severns 2011: 374, pl. 170, fig. 8). — Current status: *Punctoterebra swainsoni* (Deshayes, 1859) (Boutet *et al.* 2020: 464; Fedosov *et al.* 2020: 375).

*tiarella*, *Terebra* – Deshayes, 1857d: 91-92, pl. 5, fig. 7; 1859: 276. — Type locality: “Natal”; Cuming coll. — Type age: Recent. — Type material: NHMUK 197974.1, lectotype; 197974/2, paralectotype (listed by A. Salvador & Pickering 2017: 137). The eastern Pacific *Terebra tiarella* Deshayes, 1857 (Bratcher & Cernohorsky 187: 141-142, pl. 41, fig. 158a-c, who clarified the type locality as being Bahía Santa María, Baja California, Mexico; Terryin 2007: 36, pls. 39, 63). — Current status: *Neoterebra tiarella* (Deshayes, 1857) (Fedosov *et al.* 2020: 378).

*traillii*, *Terebra* – Deshayes, 1859: 285. — Type locality: Vasigapatam, India; Cuming coll. — Type age: Recent. — Type material:



NHMUK 1979114.1, lectotype; 1979114/2-4, 3 paralectotypes (listed by A. Salvador & Pickering 2017: 137). — Current status: synonym of the west African *Hastula cuspidata* (Hinds, 1844) (Bratcher & Cernohorsky 1987: 186; Terryn 2007: 17, pls. 14, 52; Fedosov et al. 2020: 371, the latter two without synonymy).

*tristis*, *Terebra* – Deshayes, 1859: 306. — Type locality: Japan; Cuming coll. — Type age: Recent. — Type material: NHMUK 1979115, lectotype (listed by A. Salvador & Pickering 2017: 138). *Terebra tristis* Deshayes, 1859 (Powell 1979: 246, pl. 47, figs 16-17; Bratcher & Cernohorsky 1987: 113-114, pl. 31, fig. 120a-f, pl. 32, fig. 120g-k; Wilson 1994: 229, pl. 52). — Current status: *Euterebra tristis* (Deshayes, 1859) (Terryn 2007: 16, pls. 42, 65). *Duplicaria tristis* (Deshayes, 1859) (Fedosov et al. 2020: 365).

*trochlea*, *Terebra* – Deshayes, 1857d: 89, pl. 5, fig. 6; 1859: 277. — Type locality: Zanzibar; Cuming & Deshayes colls. — Type age: Recent. — Type material: NHMUK 197975.1, lectotype; 197975/2, paralectotype; MNHN-IM-2000-2182, 3 paralectotypes (listed by A. Salvador & Pickering 2017: 138). *Duplicaria trochlea* (Deshayes, 1857) (Bratcher & Cernohorsky 1987: 207, pl. 65, fig. 253a-b, pl. C, fig. 9). *Acus trochlea* (Deshayes, 1857) (Terryn 2007: 7, pls. 3, 49). — Current status: *Oxymeris trochlea* (Deshayes, 1857) (Boutet et al. 2020: 463; Fedosov et al. 2020: 372).

*turtonica*, *Terebra* – Deshayes, 1853-TraitElem: 70, pl. 118, fig. 2. — Type locality: none given. — Type age: not stated. Peyrot (1931c: 121, pl. 10, fig. 20) suggested synonymy with the Miocene *Terebra modesta* DeFrance, 1829, ex Tristan ms.

*undatella*, *Terebra* – Deshayes, 1859: 300. — Type locality: none given. — Type age: Recent. — Type material: NHMUK 1979934, holotype (listed by A. Salvador & Pickering 2017: 139). Synonym of the Indo-Pacific *Terebra succincta* (Gmelin, 1791) [*Buccinum*] (Bratcher & Cernohorsky 1987: 100-102, who misinterpreted Deshayes species as a replacement name; Terryn 2007: 30, pls. 5, 50, without synonymy), now *Punctoterebra succincta* (Gmelin, 1791) (Fedosov et al. 2020: 375, fig. 8D, without synonymy). — Current status: synonym of *Punctoterebra flavescens* (Deshayes, 1859) (Terryn & Fraussen 2022: 136, figs 1Q, S, 2H-P).

*ustulata*, *Terebra* – Deshayes, 1857d: 97-98, pl. 3, fig. 12; 1859: 294. — Type localities: Tasmania, Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 197976.1, lectotype; 197976/2-3, paralectotypes (listed by A. Salvador & Pickering 2017: 139). — Type species (OD) of *Pervicacia* Iredale, 1924, a synonym of *Duplicaria* and type genus of *Pervicaciinae* Rudman, 1969, a subfamily of *Terebridae*. — Current status: *Duplicaria ustulata* (Deshayes, 1857) (Bratcher & Cernohorsky 1987: 210, pl. 66, fig. 258a-c; Wilson 1994: 220, pl. 53, fig. 8; Terryn 2007: 15, pls. 18, 53; Fedosov et al. 2020: 365).

*verreauxi*, *Terebra* – Deshayes, 1857d: 95, pl. 5, fig. 3; 1859: 286. — Type locality: none given; Verreaux & Deshayes colls. — Type age: Recent. — Type material: MNHN-IM-2186, lectotype. Synonym of *Hastula strigilata* (Linnaeus, 1758) (Bratcher & Cernohorsky, 1987: 172-173). — Current status: *Hastula verreauxi* (Deshayes, 1857) (Chino & Terryn 2019: pl. 1, fig. 11; Fedosov et al. 2020: 372; Terryn & Marrow 2022: 47-49, pl. 1, fig. 5, pl. 2, figs 1-2, 4-17, pl. 9).

*virginea*, *Terebra* – Deshayes, 1857d: 83-84, pl. 5, fig. 5; 1859: 310. — Type locality: Zanzibar; Cuming coll. — Type age: Recent. — Type material: NHMUK 197953, lectotype (listed by A. Salvador & Pickering 2017: 139-140). — Current status: synonym of *Terebra consors* Hinds, 1844 (Bratcher & Cernohorsky 1987: 44-46; Terryn 2007: 28, pls. 5, 50; Fedosov et al. 2020: 372, the latter two without synonymy).

*alboflava*, *Hastula* – Listed as a Deshayes species by Terryn, in Poppe (2008b: 800, pl. 695, figs 10-12), its correct author is Bratcher, 1988, not Deshayes (Poppe 2018: 204).

Family TURRIDAE H. Adams & A. Adams, 1853 [1838]

*acutangularis*, *Pleurotoma* – Deshayes, 1834-DescrCoqFoss: 459-460, 34, pl. 64, figs 24-25; 1865-DescrCoqFoss: 384-385. — Type localities: Chaumont-en-Vexin & Parnes. — Type age: Eocene (Lutetian). — Current status: *Gemmula acutangularis* (Deshayes, 1834) (Le Renard & Pacaud 1995: 124; Pacaud 2008: 70).

*antiqua*, *Pleurotoma* – Deshayes, 1865-DescrCoqFoss: 355, 96, pl. 96, fig. 21, *non Pleurotoma rostrata* [Solander, in Brander, 1766] *antiqua* F. E. Edwards, 1857. — Type localities: Noailles, Jonchery-sur-Vesle, Brimont & Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32801, syntype from Noailles. *Surcula veslensis* Cossmann, 1899a (Cossmann 1899a: 138-139), replacement name. — Current status: *Turricula (Surcula) veslensis* (Cossmann, 1899) (Le Renard & Pacaud 1995: 123).

*brevicula*, *Pleurotoma* – Deshayes, 1834-DescrCoqFoss: 461-462, 34, pl. 63, figs 7-10; 1865-DescrCoqFoss: 369. — Type localities: Thiverval-Grignon, Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). Preoccupies *Pleurotoma brevicula* Deshayes, 1834 [Clathrellidae], which occurs in the same volume. — Current status: *Eopleurotoma (Eopleurotoma) brevicula* (Deshayes, 1834) (Le Renard & Pacaud 1995: 125; Pacaud 2008: 70).

*cancellata*, *Pleurotoma* – Deshayes, 1834-DescrCoqFoss: 474, 35, pl. 66, figs 8-10, *non* Eichwald, 1830; 1865-DescrCoqFoss: 369-370. — Type localities: Rethueil & Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: synonym of *Gemmula filifera* (Melleville, 1843) [*Pleurotoma*] (Pacaud herein).

*cuisensis*, *Pleurotoma* – Deshayes, 1865-DescrCoqFoss: 375-376, 98, pl. 98, figs 4-5. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). Synonym of *Pleurotoma (Eopleurotoma) tenuistriata* Deshayes, 1834 (Cossmann 1889: 269, pl. 9, fig. 51). — Current status: *Gemmula cuisensis* (Deshayes, 1865) (Pacaud herein).

*distans*, *Pleurotoma* – Deshayes, 1865-DescrCoqFoss: 372, 97, pl. 97, figs 7-9. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Eopleurotoma (Eopleurotoma) distans* (Deshayes, 1865) (Le Renard & Pacaud 1995: 124).

*ecaudata*, *Pleurotoma* – Deshayes, 1865-DescrCoqFoss: 396-397, 96, pl. 96, figs 16-18. — Type localities: Chaussy & Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *nomen dubium* (Pacaud herein).

*exornata*, *Pleurotoma* – Deshayes, 1865-DescrCoqFoss: 356-357, 97, pl. 97, figs 5-6. — Type localities: Aizy-Jouy & Laversine. — Type age: Eocene (Ypresian). — Current status: synonym of *Turricula (Surcula) subelegans* (d'Orbigny, 1850) (Glibert 1960: 32; Le Renard & Pacaud 1995: 122).

*expedita*, *Pleurotoma* – Deshayes, 1865-DescrCoqFoss: 371-372, 97, pl. 97, figs 3-4. — Type localities: Cuise-la-Motte, Aizy-Jouy, Mercin-et-Vaux & Laversine. — Type age: Eocene (Ypresian). — Current status: *Eopleurotoma (Eopleurotoma) expedita* (Deshayes, 1865) (Le Renard & Pacaud 1995: 124).

*fenestrata*, *Pleurotoma* – Deshayes, 1835b: 176. — Type locality: Peloponnese Peninsula, Greece. — Type age: Recent. — Type material: MNHN-IM-2000-2957, 7 syntypes. Preoccupies *P. fenestrata* Reeve, 1846. — Current status: *nomen dubium*.



*fluctuosa*, *Pleurotoma* – Deshayes, 1865-*DescrCoqFoss*: 380. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). Based on 1<sup>st</sup> edition, pl. 64, figs 21-23, a var. of *Pleurotoma undata* Lamarck, 1804. — Current status: *Eopleurotoma* (*Eopleurotoma*) *fluctuosa* (Deshayes, 1865) (Le Renard & Pacaud 1995: 125; Pacaud 2008: 70).

*granifera*, *Pleurotoma* – Deshayes, 1834-*DescrCoqFoss*: 473, 35, pl. 65, figs 27-29; 1865-*DescrCoqFoss*: 365. — Type locality: Beynes. — Type age: Eocene (Lutetian). — Current status: *Eopleurotoma* (*Eopleurotoma*) *granifera* (Deshayes, 1834) (Le Renard & Pacaud 1995: 125; Pacaud 2008: 70).

*hoernesii*, *Pleurotoma* – Deshayes, 1865-*DescrCoqFoss*: 362, 98, as *Pleurotoma hoernesii*, pl. 98, figs 28-33, non *Pleurotoma hoernesii* Mayer, 1859. — Type localities: Cuise-la-Motte, Laversine, Vregny, Cuisy-en-Almont, Mercin-et-Vaux, Sermoise, Aizy-Jouy & Laon. — Type age: Eocene (Ypresian). *Pleurotoma polycosta* Bayan, 1873a (Bayan 1873a: 110-111), replacement name. — *Pleurotoma bayani* Boury, 1899 (Boury 1899: 24), was based on some of Deshayes figures of *Pleurotoma hoernesii* Deshayes, 1865 (figs 31-33 only) and is not another replacement name for the homonym; it is now *Turricula* (*Crenaturricula*) *polycosta* [Bayan, 1873] *bayani* (Boury, 1899) (Le Renard & Pacaud 1995: 124). — Current status: *Turricula* (*Crenaturricula*) *polycosta* (Bayan, 1873) (Le Renard & Pacaud 1995: 124).

*indica*, *Pleurotoma* – Deshayes, 1832b: 421-422, 440, 523, pl. 2, figs 9-10, non *Turris indica* Röding, 1798; 1843-*HistNatAnim2*: 357; 1843-*HistNatAnim3*: 627. — Type locality: Ceylon [Sri Lanka]; Bélanger. — Type age: Recent. — Type material: MNHN-IM-2000-3034, syntype. Secondary homonym within *Turris*, but synonym of *Turris bipartita* Kilburn, Fedosov & Olivera, 2012 (Kilburn *et al.* 2012: 10-12, pl. 5, figs A-J), a replacement name for another synonym, *Pleurotoma variegata* Kiener, 1839, non Philippi, 1836. — Current status: synonym of *Turris bipartita* Kilburn, Fedosov & Olivera, 2012.

*lajonkairii*, *Pleurotoma* – Deshayes, 1834-*DescrCoqFoss*: 467-468, 35, pl. 65, figs 18-20; 1865-*DescrCoqFoss*: 371. — Type localities: Retheuil, Cuise-la-Motte & Soissons. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32299, possible syntype. — Current status: *Eopleurotoma* (*Eopleurotoma*) *lajonkairii* (Deshayes, 1834) (Le Renard & Pacaud 1995: 124).

*larteti*, *Pleurotoma* – Deshayes, 1865-*DescrCoqFoss*: 364-365, 97, pl. 97, figs 16, 18. — Type localities: Vregny & Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Eopleurotoma* (*Eopleurotoma*) *larteti* (Deshayes, 1865) (Le Renard & Pacaud 1995: 125).

*mediocris*, *Pleurotoma* – Deshayes, 1863: 108-109, pl. 12, fig. 11. — Type locality: La Réunion; Maillard coll. — Type age: Recent. — Type material: missing. — Current status: *nomen dubium* (Kilburn *et al.* 2014: 25).

*mitreola*, *Pleurotoma* – Deshayes, 1834-*DescrCoqFoss*: 485, 36, pl. 68, figs 16-18 [in text, plate written 48, but should have been 68]; 1837-*DescrCoqFoss*: 812 [correction made]. — Type locality: Beynes. — Type age: Eocene (Lutetian). — Current status: synonym of *Crassispira* (*Tripia*) *inflexa* (Lamarck, 1804) (Pacaud *herein*).

*multicostata*, *Pleurotoma* – Deshayes, 1834-*DescrCoqFoss*: 466-467, 34, pl. 64, figs 8-13; 1865-*DescrCoqFoss*: 370-371, as *Pleurotoma* “*multicostata*”. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32839, syntypes. — Type species (OD) of *Eopleurotoma* Cossmann, 1889. — Current status: *Eopleurotoma multicostata* (Deshayes, 1834) (Le Renard & Pacaud 1995: 124; Pacaud 2008: 70; Courville *et al.* 2012: 71, fig. 11, fig. 30).

*multigrata*, *Pleurotoma* – Deshayes, 1865-*DescrCoqFoss*: 364, 97, pl. 97, figs 21-23, 98, pl. 98, figs 13-15. — Type localities: Mercin-et-Vaux, Laversine & Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Epalxis* (*Epalxis*) *multigrata* (Deshayes, 1865) (Le Renard & Pacaud 1995: 123).

*nana*, *Pleurotoma* – Deshayes, 1833b: 232, “pl. 7, figs 20-22”, *nomen nudum*; 1835b: 179, pl. 24, figs 20-22, non Deshayes, 1834 [Raphitomidae]. — Type localities: Peloponnese Peninsula, Greece. — Type age: Subapennine Formation, Pliocene; also Italy and Sicily. — Type age: not stated. Tucker (2004: 662) mistakenly considered this to be the Deshayes (1834) species. — Current status: *taxon inquirendum*.

*nilsoni*, *Pleurotoma* – Deshayes, 1865-*DescrCoqFoss*: 382, 98, pl. 98, figs 1-3. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Gemmula nilsoni* (Deshayes, 1865) (Le Renard & Pacaud 1995: 124).

*obliterata*, *Pleurotoma* – Deshayes, 1834-*DescrCoqFoss*: 481-482, 36, pl. 67, figs 15-17; 1865-*DescrCoqFoss*: 374. — Type localities: Thiverval-Grignon & Parnes. — Type age: Eocene (Lutetian). — Type species (OD) of *Oxyacrum* Cossmann, 1889. *Eopleurotoma* (*Oxyacrum*) *obliterata* (Deshayes, 1835) (Le Renard & Pacaud 1995: 125). — Current status: *Oxyacrum obliterata* (Deshayes, 1834) (Pacaud & Le Renard 1995: 187; Pacaud 2008: 70).

*plicaria*, *Pleurotoma* – Deshayes, 1865-*DescrCoqFoss*: 379. Replacement name for *Pleurotoma plicatilis* Deshayes, 1834, non *P. plicatilis* (Risso, 1826) [*Mangelia*]. — Current status: *Eopleurotoma* (*Eopleurotoma*) *plicaria* (Deshayes, 1865) (Le Renard & Pacaud 1995: 125; Pacaud 2008: 70).

*plicatilis*, *Pleurotoma* – Deshayes, 1834-*DescrCoqFoss*: 463-464, 34, pl. 63, figs 20-22, non *Mangilia plicatilis* Risso, 1826. When Deshayes assigned *Mangilia plicatilis* Risso, 1826, to *Pleurotoma*, he created a secondary homonym of his own species and then replaced it (see entry above). Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian).

*propinqua*, *Pleurotoma* – Deshayes, 1834-*DescrCoqFoss*: 465, 34, pl. 63, fig. 14-16; 1865-*DescrCoqFoss*: 379. — Type localities: Mary-sur-Marne & Tancrou. — Type age: Eocene (Bartonian). — Current status: *Eopleurotoma* (*Eopleurotoma*) *propinqua* (Deshayes, 1834) (Le Renard & Pacaud 1995: 124).

*sandbergeri*, *Pleurotoma* – Deshayes, 1865-*DescrCoqFoss*: 366-367, 99, pl. 99, figs 31-32. — Type locality: Jeurre. — Type age: Oligocene (Rupelian). — Current status: synonym of *Fusiturris sehsyii* (de Koninck, 1838) (Pacaud *herein*).

*simplex*, *Pleurotoma* – Deshayes, 1834-*DescrCoqFoss*: 490-491, 36, pl. 68, figs 10-12; 1865-*DescrCoqFoss*: 391. — Type localities: Thiverval-Grignon & La Ferme de l’Orme. — Type age: Eocene (Lutetian). Preoccupies *P. simplex* Philippi, 1844, and *P. simplex* Middendorff, 1849. Philippi’s Oligocene species was renamed *Pleurotoma planispira* Semper, 1866 (Coan & Kabat 2017: 193). Middendorff’s species is regarded as a synonym of *Obesotoma laevigata* (Dall, 1871) [*Bela*]. — Current status: synonym of *Elaeocyma plicata* (Lamarck, 1803) (Pacaud *herein*).

*spreta*, *Pleurotoma* – Deshayes, 1865-*DescrCoqFoss*: 373, 98, pl. 98, figs 10-12. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Eopleurotoma* (*Eopleurotoma*) *spreta* (Deshayes, 1865) (Le Renard & Pacaud 1995: 124).

*stoppanii*, *Pleurotoma* – Deshayes, 1865-*DescrCoqFoss*: 382-383, 99, pl. 99, figs 23-25. — Type localities: Jeurre & Morigny-Champigny. — Type age: Oligocene (Rupelian). — Current status: *Gemmula stoppanii* (Deshayes, 1865) (Lozouet & Maestrati 2012a: 290, 292, fig. 189: 7-10, as “1866”).



*striatularis*, *Pleurotoma* – Deshayes, 1865-DescrCoqFoss: 373-374, 98, pl. 98, figs 6-9. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Eopleurotoma (Eopleurotoma) striatularis* (Deshayes, 1865) (Le Renard & Pacaud 1995: 124).

*tenuistriata*, *Pleurotoma* – Deshayes, 1834-DescrCoqFoss: 462-463, 34 [as *P. "tenuistria"*], pl. 63, figs 17-19; 1865-DescrCoqFoss: 376. — Type locality: Retheuil. — Type age: Eocene (Ypresian). — Current status: *Gemmula tenuistriata* (Deshayes, 1834) (Le Renard & Pacaud 1995: 124).

*torquata*, *Pleurotoma* – Deshayes, 1865-DescrCoqFoss: 367-368, 98, pl. 98, figs 22-24, *non Pleurotoma torquatam* Philippi, 1844. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). *Pleurotoma streptophora* Bayan, 1873a (Bayan 1873a: 111), replacement name. — Current status: *Crassispira (Crassispira) streptophora* (Bayan, 1873) (Le Renard & Pacaud 1995: 125).

*transitoria*, *Pleurotoma* – Deshayes, 1865-DescrCoqFoss: 412. — Type localities: Parnes, Thiverval-Grignon, Chaumont-en-Vexin, Gomerfontaine, Saint-Félix & Valmondois. — Type age: Eocene (Lutetian-Bartonian). Replacement name for *Pleurotoma coronata* (Lamarck, 1803) [*Fusus*], *non Pleurotoma coronata* Münster, in Goldfuss, 1841, but now unnecessary. In accordance with ICZN Code Art. 59.2, the two species are no longer considered congeneric and the predominant uses of the names *Pseudotoma coronata* (Lamarck, 1803) and *Gemmula coronata* (Münster, in Goldfuss, 1844) is here maintained (Pacaud herein). — Current status: synonym of *Pleurotoma coronata* (Lamarck, 1803).

*uniserialis*, *Pleurotoma* – Deshayes, 1834-DescrCoqFoss: 458-459, 33, pl. 63, figs 1-3 [figs on p. 34 labeled with this species name are instead *P. decussata* (Lamarck, 1804)]; 1837-DescrCoqFoss: 814 [correction made]; 1865-DescrCoqFoss: 381-382. — Type localities: Mouchy-le-Châtel, Parnes & Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Current status: synonym of *Gemmula crenulata* (Lamarck, 1804) [*Pleurotoma*] (Tréguier & Pacaud 2018: 212).

*wateleti*, *Pleurotoma* – Deshayes, 1865-DescrCoqFoss: 360, 98, pl. 98, figs 16-17. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Type material: MNHN.F.A27176, holotype. — Current status: *Gemmula wateleti* (Deshayes, 1865) (Le Renard & Pacaud 1995: 124).



*inaequistriata*, *Pleurotoma* – Boury, 1899: 106, pl. 1, fig. 23, *ex Deshayes ms, non Deshayes, 1865*. — Current status: synonym of *Pleurotoma dentata* Lamarck, 1804, now *Turricula (Crenaturricula) dentata* (Lamarck, 1804) (Le Renard & Pacaud 1995: 124).

*multinodis*, *Pleurotoma* – Boury, 1899: 62, pl. 1, fig. 25, *ex Deshayes ms*. Unjustified emendation of *Eopleurotoma multinoda* (Lamarck, 1804). — Current status: synonym of *Pleurotoma bicatena* Lamarck, 1804, now *Eopleurotoma bicatena* (Lamarck, 1804) (Le Renard & Pacaud 1995: 124).

*normalis*, *Pleurotoma (Eopleurotoma) tenuistriata* [Deshayes, 1834] – Cossmann, 1889: 270, pl. 10, fig. 1, *ex Deshayes ms, non Pleurotoma (Bela) blakeana normalis* Dall, 1881. — Current status: synonym of *Pleurotoma larteti* Deshayes, 1865, now *Eopleurotoma larteti* (Deshayes, 1865) (Le Renard & Pacaud 1995: 124).

*notabilis*, *Pleurotoma* – Boury, 1899: 41-42, pl. 1, fig. 2, *ex Deshayes ms, non Pleurotoma (Mangilia) notabilis* E. A. Smith, 1888. — Current status: synonym of *Pleurotoma bicatena* Lamarck, 1804, now *Eopleurotoma bicatena* (Lamarck, 1804) (Le Renard & Pacaud 1995: 124).

*parkinsoni*, *Pleurotoma* – Sandberger, 1860: pl. 16, figs 5, 5a-b; 1862: 238-239, *ex Deshayes ms*. — Type localities: Jeurre & Morigny-Champigny; Weinheim, Germany. — Type age: Oligocene (Rupelian). — Current status: *Gemmula parkinsonii* (Sandberger, 1860) (Lozouet & Maestrati 2012a: 290, text-fig. 189.4-6).

*pulchra*, *Pleurotoma* – Boury, 1899: 64, pl. 2, fig. 15, *ex Deshayes ms, non Pleurotoma pulchra* Reeve, 1846. *Eopleurotoma (Eopleurotoma) palmeri* Le Renard, 1994, replacement name, but unnecessary because Boury's name is a synonym of *Eopleurotoma cathalai* (Doncieux, 1908) [*Pleurotoma*] (Pacaud herein).

*reticula*, *Pleurotoma* – Boury, 1899: 123, *ex Deshayes ms, nomen nudum*, in synonymy with *Pleurotoma leptia* F. E. Edwards, 1861.

*rudiuscula*, *Pleurotoma* – Cossmann: 1889: 267-268, pl. 9, figs 43-44, *ex Deshayes ms*. — Current status: synonym of *Eopleurotoma decussata* (Lamarck, 1804) [*Pleurotoma*], now *Eopleurotoma decussata* (Lamarck, 1804) (Le Renard & Pacaud 1995: 124).

*specialis*, *Pleurotoma* – Boury, 1899: 42, pl. 3, fig. 11, *ex Deshayes ms. Eopleurotoma specialis* (Boury, 1899) (Pacaud herein).

Conoidea, family unassigned

*lyra*, *Pleurotoma* – Deshayes, 1834-DescrCoqFoss: 468, 34, pl. 64, figs 1-2, 6, 14-16. — Type localities: Senlis & Tancrou. — Type age: Eocene (Bartonian). 1865-DescrCoqFoss: 381. — Current status: *Domenginella (Scobinella) lyra* (Deshayes, 1834) (Le Renard & Pacaud 1995: 123).

#### Family ACTEONELLIDAE Gill, 1871

*Orthostoma* – Deshayes, 1850-TraitElem: 48, pl. 76, fig. 16, *non Ehrenberg, 1831 [Turbellaria], nec Conrad, 1838 [Mollusca], nec Audinet-Serville, 1834 [Coleoptera], nec Randall, 1840 [Crustacea]; 1862-DescrCoqFoss: 613-614*. — Type species (M): *Orthostoma corallina* Deshayes, 1850. — Current status: synonym of *Euactaeonina* Wenz, 1947, replacement name. Type genus of Orthostomatidae Delpy, 1940, a synonym of Acteonellidae Gill, 1871.

*corallina*, *Orthostoma* – Deshayes, 1850-TraitElem: 48, pl. 76, fig. 16. — Type locality: France. — Type age: Jurassic. — Type material: UCBL-EM 32123, syntype. — Type species of *Orthostomia* Deshayes, 1850 (see above). — Current status: *Euactaeonina corallina* (Deshayes, 1850).

#### Family NERINEIDAE Zittel, 1873

*Nerinea* – Deshayes, 1827-DictClass11: 534-535, *ex Defrance ms [1825; vernacular]*. — Type species (M): *Nerinea mosae* Deshayes, 1827. Spelled *Nerina* on p. 535, and we are unaware who selected one spelling over the other. Misspelled as *Nerinaea* in 1831b: 205-206, and as both *Nerinaea* and as *Nerineae* in 1832-EncyMeth: 614. — Current status: valid type genus of Nerineidae.

*mosae*, *Nerina* – Deshayes, 1827-DictClass11: 535. — Type locality: Saint-Mihiel. — Type age: Jurassic (Oxfordian). — Type material: UCBL-EM 32096 & 32100, syntypes. 1831b: 205-206, 260, pl. 4, figs 1-2 (as "*Nerinaea*"). 1832-EncyMeth: 614 (as "*Nerineae*"). — Type species (OD) of *Fibuloptygmatiss* Pchelintsev, 1965, a junior objective synonym of *Nerinea* Deshayes, 1827. — Current status: *Nerinea mosae* Deshayes, 1827 (Kollmann 1997: 46, pl. 13, figs 8-11; Kollmann 2014: 358, 360, fig. 5B).

*imbricata*, *Nerinea* – Deshayes, 1835b: 185, pl. 26, figs 4-5. — Type locality: Peloponnese Peninsula, Greece. — Type age: Cretaceous? — Current status: *taxon inquirendum*.

*nodulosa*, *Nerinea* – Deshayes, 1835b: 185, pl. “24” [26], figs 6-7 [in text in error as pl. 24]. — Type locality: Peloponnese Peninsula, Greece. — Type age: Cretaceous? — Current status: *taxon inquirendum*.

*simplex*, *Nerinea* – Deshayes, 1835b: 186, pl. 26, figs 8-9. — Type locality: Peloponnese Peninsula, Greece. — Type age: Cretaceous? — Current status: *taxon inquirendum*.

#### Family EUNERINEIDAE Kollmann, 2014

*defrancii*, *Nerinea* – Deshayes, 1835b: 186-187, pl. 26, figs 1-2. — Type localities: Peloponnese Peninsula, Greece; also Saint-Mihiel, Meuse, France. — Type age: Jurassic (Oxfordian). — Current status: *Eumeromea defrancii* (Deshayes, 1835) (Kollmann 1997: 43, pl. 9, fig. 10; Kollmann 2014: 357, fig. 4M, as “1833”).

#### Family VALVATIDAE J. E. Gray, 1840

*inflexa*, *Valvata* (*Gyrorbis*) – Deshayes, 1862-DescrCoqFoss: 527, 36, pl. 36, figs 19-22. — Type locality: Mont-Bernon (Épernay). — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32546, syntypes. — Current status: *Valvata (Valvata) inflexa* Deshayes, 1862 (Le Renard & Pacaud 1995: 98).

*michaudi*, *Valvata* – Deshayes, 1862-DescrCoqFoss: 525, 36, pl. 36, figs 6-8. — Type localities: Caumont & Mareuil-en-Dôle. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32543, syntype from Mareuil-en-Dôle. — Current status: *Valvata (Cincinnati) michaudi* Deshayes, 1862 (Le Renard & Pacaud 1995: 98).

*parvula*, *Valvata* – Deshayes, 1862-DescrCoqFoss: 526, 36, pl. 36, figs 12-14, *non* Meek & Hayden, 1857. — Type localities: Jonchery-sur-Vesle, Gueux & Rilly-la-Montagne. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32545, syntype from Rilly-la-Montagne. *Valvata joncheryensis* Wenz, 1930 (Wenz 1930: 65), replacement name. — Current status: *Valvata (Cincinnati) joncheryensis* Wenz, 1930 (Le Renard & Pacaud 1995: 98).

*trigeri*, *Valvata* – Deshayes, 1862-DescrCoqFoss: 525-526, 36, pl. 36, figs 9-11. — Type localities: Nantheuil-sur-Marne, La Chapelle-Saint-Aubin. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32544, syntype de la Chapelle-Saint-Aubin. — Current status: *Valvata (Cincinnati) trigeri* Deshayes, 1862 (Le Renard & Pacaud 1995: 98).

#### Family CORNIROSTRIDAE Ponder, 1990

*baudoni*, *Planorbis* – Deshayes, 1863-DescrCoqFoss: 750-751, 46, pl. 46, figs 28-31. — Type localities: Mouy, Houdan & Thiverval-Grignon. — Type age: Eocene (Lutetian). Replacement name for *Planorbis lenticularis* Baudon, 1856, *non* “Schlotheim, 1818”, but *non* I. Lea, 1844, *nec* (Alten, 1812) [*Helix*]. — Current status: *Anomalorbis baudoni* (Deshayes, 1863) (Le Renard & Pacaud 1995: 130; Pacaud 2008: 74).

*catinus*, *Planorbis* – Deshayes, 1863-DescrCoqFoss: 749-750, 46, pl. 46, figs 32-35. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32590, syntype. — Current status: *Anomalorbis catinus* (Deshayes, 1863) (Le Renard & Pacaud 1995: 130; Pacaud 2008: 74).

#### Family ARCHITECTONICIDAE J. E. Gray, 1850

*Disculus* – Deshayes, 1863-DescrCoqFoss: 674. — Type species (T): *Solarium (Disculus) disculus* Deshayes, 1863. France. — Type age: Eocene. Listed by Bieler & Petit (2005: 11). — Current status: valid genus.

*Thorinia* – Deshayes, 1863-DescrCoqFoss: 666-668. Incorrect subsequent spelling of *Torinia* J. E. Gray, 1840.

*bifidum*, *Solarium* (*Thorinia*) – Deshayes, 1863-DescrCoqFoss: 669-670, 40, pl. 40, figs 35-37 [in text as figs 36-38]. — Type locality: Acy-en-Multien. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32562, holotype. 1865-DescrCoqFoss: 666 [correction noted]. Listed by Bieler & Petit (2005: 25). — Current status: *Architectonica (Nipteraxis) bifida* (Deshayes, 1863) (Le Renard & Pacaud 1995: 101). *Nipteraxis bifidus* (Deshayes, 1861) (Harzhauser & Landau 2023: 32).

*bimarginatum*, *Solarium* (*Thorinia*) – Deshayes, 1863-DescrCoqFoss: 670-671, 41, pl. 41, figs 4-7. — Type locality: Aizy-Jouy. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32564, syntype. Listed by Bieler & Petit (2005: 25). — Current status: Synonym of *Nipteraxis intermedia* (Deshayes, 1863) (Pacaud herein).

*bistriatum*, *Solarium* – Deshayes, 1832-DescrCoqFoss: 215, 15, pl. 25, figs 19-20; 1843-HistNatAnim2: 111-112; 1843-HistNatAnim3: 541; 1863-DescrCoqFoss: 665. — Type localities: Rethueil, Cuise-la-Motte & Laon. — Type age: Eocene (Ypresian). Listed by Bieler & Petit (2005: 25). *Architectonica (Stellaxis) bistrata* (Deshayes, 1832) (Le Renard & Pacaud 1995: 100). — Current status: *Stellaxis bistratus* (Deshayes, 1832) (Jeffery & Tracey 1997: 84).

*calvimontanum*, *Solarium* (*Thorinia*) – Deshayes, 1863-DescrCoqFoss: 666, 41, pl. 41, figs 1-3. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32563, holotype. Listed by Bieler & Petit (2005: 27). — Current status: synonym of *Climacopoma grandis* (Nyst, 1845) (Pacaud herein).

*cornu-ammonis*, *Solarium* – Deshayes, 1832-DescrCoqFoss: 219. In the synonymy of *Solarium plicatum* Lamarck, 1804. Error pro *Solarium ammonites* Lamarck, 1804, in confusion with a vernacular name, as noted by Bieler & Petit (2005: 30).

*crenulare*, *Solarium* (*Thorinia*) – Deshayes, 1863-DescrCoqFoss: 668, 41, pl. 41, figs 8-12. — Type locality: Mary-sur-Marne. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32565, syntype. Listed by Bieler & Petit (2005: 31). — Current status: *Architectonica (Granosolarium) crenularis* (Deshayes, 1863) (Le Renard & Pacaud 1995: 100).

*dameriacense*, *Solarium* (*Thorinia*) – Deshayes, 1863-DescrCoqFoss: 671-672, 41, pl. 41, figs 12-14, in pl. caption as *S. “damariacense”*. — Type localities: Damery, Fleury-la-Rivière, Chamery & Nantheuil-la-Fosse. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32566, syntypes from Fleury-la-Rivière. *Architectonica (Nipteraxis) dameriacense* (Deshayes, 1863) (Le Renard & Pacaud 1995: 101). Listed by Bieler & Petit (2005: 32). — Current status: *Nipteraxis dameriacensis* (Deshayes, 1863) (Pacaud 2008: 72; Harzhauser & Landau 2023: 32).

*dilectum*, *Solarium* – Deshayes, 1863: 68-69, pl. 9, figs 3-6. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-37973, lectotype (Bieler, 1993); MNHN-IM-2000-37974, 3 paralectotypes. — Current status: synonym of *Granosolarium asperum* (Hinds, 1844) [*Solarium*] (Bieler 1993: 143-148, figs 7, 115-121; Bieler & Petit 2005: 34).

*disculus*, *Solarium* (*Disculus*) – Deshayes, 1863-DescrCoqFoss: 674, 42, pl. 42, figs 1-4, *non Solarium disculum* Morris & Lysett, 1851.



*Solarium obolus* Bayan, 1873a (Bayan 1873a: 96), replacement name. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). Listed by Bieler & Petit (2005: 35). — Current status: synonym of *Solarium (Disculus) insolitum* Deshayes, 1863, now *Disculus insolitus* (Deshayes, 1863) (Pacaud herein).

*herberti*, *Solarium* – Deshayes, 1830a-EncyMeth: 159-160; 1843-Hist-NatAnim2: 101; 1843-HistNatAnim3: 538, both in the synonymy of *Solarium cylindraceum* “Chemnitz”, which is *Trochus cylindricus* Gmelin, 1791, *ex* Chemnitz ms; 1850-TraitElem: 40, pl. 66, figs 11-14. — Type locality: Martinique; Mr. Herbert. — Type age: Recent. — Type species (M) of *Heliacus* d’Orbigny, 1842, who misspelled the specific name as “*herberti*”. See ICZN Official List, Opinion 2185 (2007). Listed by Bieler & Petit (2005: 13, 42). — Current status: synonym of *Heliacus cylindricus* (Gmelin, 1791) [*Trochus*] (Yidi & Sarmiento 2011: 142, 308, fig. 919).

*insolitum*, *Solarium (Disculus)* – Deshayes, 1863-DescrCoqFoss: 674-675, 42, pl. 42, figs 5-8. — Type localities: Auvers-sur-Oise & Valmondois. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32570, syntypes. Listed by Bieler & Petit (2005: 44). — Current status: *Disculus insolitus* (Deshayes, 1863) (Pacaud herein).

*intermedium*, *Solarium (Thorinia)* – Deshayes, 1863-DescrCoqFoss: 671, pl. 41, figs 15-17. — Type locality: Laon. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32567, syntype. Listed by Bieler & Petit (2005: 44). — Current status: *Architectonica (Nipteraxis) intermedia* (Deshayes, 1863) (Le Renard & Pacaud 1995: 101). *Nipteraxis intermedium* (Deshayes, 1863) (Harzhauser & Landau 2023: 32).

*marginale*, *Solarium (Thorinia)* – Deshayes, 1863-DescrCoqFoss: 672, 41, pl. 41, figs 18-20. — Type localities: Abbecourt & Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Listed by Bieler & Petit (2005: 49). — Current status: *Architectonica (Stellaxis) marginalis* (Deshayes, 1863) (Le Renard & Pacaud 1995: 101).

*marginatum*, *Solarium* – Deshayes, 1832-DescrCoqFoss: 218-219; 15, pl. 25, figs 21-23; 1843-HistNatAnim2: 112; 1843-HistNatAnim3: 540; 1863-DescrCoqFoss: 670, as *Solarium (Thorinia)*. — Type locality: Rethuil. — Type age: Eocene (Ypresian). — Listed by Bieler & Petit (2005: 49). — Current status: *Architectonica (Nipteraxis) marginata* (Deshayes, 1832) (Le Renard & Pacaud 1995: 100).

*patulatum*, *Solarium* – Deshayes, 1830a-EncyMeth: 161. Error pro *Solarium patulum* Lamarck, 1804.

*picteti*, *Solarium* – Deshayes, 1863-DescrCoqFoss: 664-645, 40, pl. 40, figs 33-34 [in text as 33-35 in error]; 1865-DescrCoqFoss: 666 [correction made]. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32561, holotype. Listed by Bieler & Petit (2005: 56). *Architectonica (Stellaxis) picteti* (Deshayes, 1863) (Le Renard & Pacaud 1995: 100). — Current status: *Stellaxis picteti* (Deshayes, 1863) (Pacaud 2008: 72, as “1832”).

*plicatulum*, *Solarium* – Deshayes, 1825-DescrCoqFoss: 14, pl. 24, figs 19-21; 1832: 220, *non* De Cristofori & Jan, 1832, which is thus a junior homonym; 1843-HistNatAnim2: 112-113; 1843-HistNatAnim3: 542; 1863-DescrCoqFoss: 668-669, as *Solarium (Thorinia)*. — Type localities: Senlis, Mary-sur-Marne, Valmondois, Acy-en-Multien & Tancrou. — Type age: Eocene (Bartonian). Listed by Bieler & Petit (2005: 57). — Current status: *Architectonica (Nipteraxis) plicatula* (Deshayes, 1832) (Le Renard & Pacaud 1995: 100).

*tessellatum*, *Solarium* – Deshayes, 1830a-EncyMeth: 160; 1838-RegAnim: pl. 41, fig. 5; 1842-HistNatAnim2: 100; 1843-HistNatAnim3: 538, both in synonymy with *Solarium aureola* “Chemnitz”. — Type locality: none given. — Type age: Recent. — Type material: missing (Bieler, 1993). — Current status: synonym of the

Indo-Pacific *Heliacus (Heliacus) areola* (Gmelin, 1791, *ex* Chemnitz ms) [*Trochus*] (Bieler 1993: 191-195, figs 157, 159-161; Bieler & Petit 2005: 69).

*trochoides*, *Solarium* – Deshayes, 1830a-EncyMeth: 160. — Type locality: none given. — Type age: Recent. — Type material: missing (Bieler, 1993). — Current status: the Indo-Pacific *Heliacus trochoides* (Deshayes, 1830) (Bieler 1993: 198-202, pl. 2, fig. E, figs 164-165; Bieler & Petit 2005: 71; Severns 2011: 398, pl. 181, fig. 2; Hasegawa, in Okutani 2017: 1058, pl. 349, fig. 3; Poppe 2017: 52, pl. 1326, fig. 2; Boutet *et al.* 2020: 467).

*dilatatus*, *Trochus* – Leymerie, 1841: 320, *nomen nudum*; 1842: 13, 31, pl. 17, fig. 2a-d, *ex* Deshayes ms. — Type locality: Ervy-le-Châtel. — Type age: Cretaceous (Albian). Listed by Bieler & Petit (2005: 34) as “not Architectonicidae”. — Current status: *Solarium dilatatum* (Leymerie, 1842: 48) (Kollmann 2005: 77).

#### Family MATHILDIDAE Dall, 1889

*costellata*, *Scalaria* – Deshayes, 1825-DescrCoqFoss: 14, pl. 24, figs 1-3; 1832: 200; 1843-HistNatAnim2: 80-81; 1843-HistNatAnim3: 531; 1861-DescrCoqFoss: 341. — Type locality: La Chapelle-en-Serval. — Type age: Eocene (Bartonian). — Current status: *Acrocoelum costellatum* (Deshayes, 1825) (Le Renard & Pacaud 1995: 104; Pacaud 2008: 72).

*cyclostomoides*, *Littorina* – Deshayes, 1861-DescrCoqFoss: 365-366, 16, as “*Litorina*”, pl. 16, figs 1-4. — Type localities: Chaumont-en-Vexin & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Tuba cyclostomoides* (Deshayes, 1861) (Le Renard & Pacaud 1995: 105; Pacaud 2008: 72). *Pseudotuba cyclostomoides* (Deshayes, 1861) (Harzhauser & Landau 2023: 47).

*impar*, *Scalaria (Eglisia)* – Deshayes, 1861-DescrCoqFoss: 353, 14, pl. 14, figs 1-3. — Type locality: Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32426, holotype. — Current status: *Mathilda ? impar* (Deshayes, 1861) (Le Renard & Pacaud 1995: 104).

*sculptatum*, *Cerithium* – Deshayes, 1864-DescrCoqFoss: 78, pl. 78, figs 2-4; 1865-DescrCoqFoss: 205. — Type locality: Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). *Mathilda (Mathilda) sculptata* (Deshayes, 1864) (Le Renard & Pacaud 1995: 105. — Current status: *Mathilda sculptata* (Deshayes, 1864) (Leroy *et al.* 2014: 26, pl. 29, fig. 4).

*vincta*, *Scalaria (Eglisia)* – Deshayes, 1861-DescrCoqFoss: 353-354, 23, pl. 23, figs 17-19. — Type locality: Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32479, 2 syntypes. *Mathilda (?Brookesena) vincta* (Deshayes, 1861) (Le Renard & Pacaud 1995: 105). — Current status: *Brookesena vincta* (Deshayes, 1861) (Leroy *et al.* 2014: 26, pl. 29, figs 2-3; pl. 32, fig. 4a-b).

#### Family MURCHISONELLIDAE Casey, 1904

*emarginata*, *Aciculina* – Deshayes, 1861-DescrCoqFoss: 25, pl. 25, figs 25-27 [in text as figs 26-28 in error]; 1862-DescrCoqFoss: 533-534; 1865-DescrCoqFoss: 666 [error corrected]. — Type localities: Thiverval-Grignon, Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Murchisonella emarginata* (Deshayes, 1861) (Le Renard & Pacaud 1995: 91; Jeffery & Tracey 1997: 84; Pacaud 2008: 74, 102, pl. 13, fig. 13).

*scalarina*, *Aciculina* – Deshayes, 1861-*DescrCoqFoss*: 25, pl. 25, figs 30-31 [in text as figs 31-32]; 1862-*DescrCoqFoss*: 533; 1865-*DescrCoqFoss*: 666 [error corrected]. — Type localities: Parnes, Mouchy-le-Châtel & Thiverval-Grignon. — Type age: Eocene (Lutetian). *Anisocyclus* (*Anisocyclus*) *scalarina* (Deshayes, 1861) (Le Renard & Pacaud 1995: 91; Jeffery & Tracey 1997: 84, 102, pl 13, fig. 12). — Current status: *Ebala* (*Ebala*) *scalarina* (Deshayes, 1862) (Lozouet *et al.* 2001: 78; Pacaud 2008: 74).

#### Family CIMIDAE Warén, 1993

*demissa*, *Scalaria* – Deshayes, 1861-*DescrCoqFoss*: 12, pl. 12, fig. 17; 1862-*DescrCoqFoss*: 532, as *Aciculina*; 1865-*DescrCoqFoss*: 666 [error corrected]. — Type localities: Parnes, Mouchy-le-Châtel & Chaussy. — Type age: Eocene (Lutetian). — Type species (OD) of *Discobasis* Cossmann, 1888. — Current status: *Discobasis demissa* (Deshayes, 1861) (Le Renard & Pacaud 1995: 92).

#### Family ACTEONIDAE d'Orbigny, 1843

*Hemiauricula* – Deshayes, 1853-*TraitElem*: 51, pl. 81, figs 15-16. — Type species (M): *Hemiauricula conovuliformis* Deshayes, 1853. France. — Type age: Eocene. — Current status: valid genus and senior synonym of *Liocarenus* Harris & Burrows, 1891, which has the same type species.

*aizyensis*, *Tornatella* – Deshayes, 1862-*DescrCoqFoss*: 597-598, 37, pl. 37, figs 29-31, 38, pl. 38, figs 1-3. — Type localities: Jonchery-sur-Vesle & Aizy-Jouy. — Type age: Paleocene-Eocene (Thanetian-Ypresian). — Current status: *Acteon* (*Acteon*) *aizyensis* (Deshayes, 1862) (Le Renard & Pacaud 1995: 127).

*altera*, *Tornatella* – Deshayes, 1862-*DescrCoqFoss*: 599-600, 37, pl. 37, figs 4-7. — Type localities: Auvers-sur-Oise, Le Guépelle, La Ferté-sous-Jouarre & Le Mesnil-Aubry. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32550, possible syntype. — Current status: synonym of *Acteon subinflatus* d'Orbigny, 1850 (Gougerot & Le Renard 1984: 83, 85); *Acteon* (*Acteon*) *subinflatus* d'Orbigny, 1850 (Le Renard & Pacaud 1995: 127).

*chevalieri*, *Tornatella* – Deshayes, 1862-*DescrCoqFoss*: 601, 37, pl. 37, figs 8-9. — Type locality: Le Fayel. — Type age: Eocene (Bartonian). — Current status: *Acteon* (*Acteon*) *chevalieri* (Deshayes, 1862) (Le Renard & Pacaud 1995: 127).

*conovuliformis*, *Auricula* – Deshayes, 1824-*DescrCoqFoss*: 67-68, 3, pl. 6, figs 9-11, “16” [fig. 16 not present on plate]; 1830a-*EncyMeth*: 93. 1837-*DescrCoqFoss*: 811, 813, correction made]; 1838-*HistNatAnim2*: 349; 1843-*HistNatAnim3*: 393-394; 1853-*TraitElem*: 51, pl. 81, figs 15-16; 1862-*DescrCoqFoss*: 615, as *Orthostoma*. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32134, syntypes. — Type species (M) of *Hemiauricula* Deshayes, 1853. — Type species (SD Cossmann, 1895) of *Fortisia* Bayan, 1870, *non* Rondani, 1861 [Diptera]. *Liocarenus* Harris & Burrows, 1891, replacement name. *Liocarenus* is the type genus of Liocareninae Wenz, 1938, a subfamily of the Acteonidae. *Hemiauricula conovuliformis* (Deshayes, 1824) (Le Renard & Pacaud 1995: 127). — Current status: synonym of *Hemiauricula edentula* (Férussac, 1821) [*Auricula*] (Pacaud 2008: 72; R. B. Salvador & Cunha 2016: 475, fig. 1D-H).

*dactylina*, *Tornatella* – Deshayes, 1862-*DescrCoqFoss*: 596-597, 37, pl. 37, figs 10-13. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32551, syntypes. — Current

status: *Acteon* (*Rictaxis*) *dactylinus* (Deshayes, 1862) (Le Renard & Pacaud 1995: 127; Pacaud 2008: 72).

*electa*, *Tornatella* – Deshayes, 1862-*DescrCoqFoss*: 595-596, 37, pl. 37, figs 17-19. — Type localities: Cuise-la-Motte, Pierrefonds, Retheuil, Laversine, Cœuvres-et-Valsery, Aizy-Jouy, Hérouval & Laon. — Type age: Eocene (Ypresian). — Current status: synonym of *Acteon subinflatus* d'Orbigny, 1850 (Gougerot & Le Renard 1984: 83, 85); *Acteon* (*Acteon*) *subinflatus* d'Orbigny, 1850 (Le Renard & Pacaud 1995: 127).

*ferussaci*, *Tornatella* – Deshayes, 1862-*DescrCoqFoss*: 594. — Type localities: Thiverval-Grignon, Houdan, Parnes, Chaussy, Saint-Félix, Boursaut & Damery. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32382, syntype from Thiverval-Grignon (from Deshayes' original 1832 material; this would also be the type of *Acteon subinflatus* d'Orbigny, 1850). Unjustified replacement name for *Acteon subinflatus* d'Orbigny, 1850b (d'Orbigny 1850b: 343, no. 96), which had been proposed for *Tornatella inflata* Férussac, 1821, ex Defrance ms, of Deshayes (1832-*DescrCoqFoss*: 188, pl. 24, figs 4-6), *non* Férussac. — Current status: *Acteon subinflatus* d'Orbigny, 1850 (Pacaud 2007: 49).

*laeta*, *Tornatella* – Deshayes, 1862-*DescrCoqFoss*: 600, 37, pl. 37, figs 23-35. — Type locality: Mercin-et-Vaux. — Type age: Eocene (Ypresian). — Current status: synonym of *Acteon subinflatus* d'Orbigny, 1850 (Gougerot & Le Renard 1984: 83, 85); *Acteon* (*Acteon*) *subinflatus* d'Orbigny, 1850 (Le Renard & Pacaud 1995: 127).

*lamarckii*, *Volvaria* – Deshayes, 1865-*DescrCoqFoss*: 543, 104, pl. 104, figs 1-3. — Type locality: Laversine. — Type age: Eocene (Ypresian). — Type species (M) of *Volvariella* P. Fischer, 1883. — Current status: *Volvaria* (*Volvariella*) *lamarckii* Deshayes, 1865 (Pacaud & Le Renard 1995: 172).

*loustau*, *Tornatella* – Deshayes, 1861-*DescrCoqFoss*: 26, pl. 26, figs 35-37 [text had figs 35-36 in error]; 1862-*DescrCoqFoss*: 600-601; 1865-*DescrCoqFoss*: 666 [correction made]. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Acteon* (*Acteon*) *loustau* (Deshayes, 1861) (Le Renard & Pacaud 1995: 127; Pacaud 2008: 72).

*munieri*, *Tornatella* – Deshayes, 1862-*DescrCoqFoss*: 602-603, 40, pl. 40, figs 1-3. — Type locality: Le Guépelle. — Type age: Eocene (Bartonian). — Current status: *Acteon* (*Rictaxis*) *munieri* (Deshayes, 1862) (Le Renard & Pacaud 1995: 127).

*parisiensis*, *Tornatella* – Deshayes, 1862-*DescrCoqFoss*: 603, 37, pl. 37, figs 26-28. Replacement name for *Tornatella biplicata* Melleville, 1843 (Melleville 1843: [52, 83], pl. 4, fig. 20), *non* Bronn, 1827. — Type locality: Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). — Current status: *Tornatellaea parisiensis* (Deshayes, 1862) (Le Renard & Pacaud 1995: 127; Leroy *et al.* 2014: 26, pl. 29, fig. 6).

*prisca*, *Tornatella* – Deshayes, 1835b: 154-155, pl. 26, fig. 13; 1843-*HistNatAnim2*: 52-53; 1843-*HistNatAnim3*: 521. — Type locality: Peloponnese Peninsula, Greece. — Type age: Cretaceous. *Nomen nudum* in Virlet (1833: 171). *Acteonella prisca* (Deshayes, 1835) (Pictet & Campiche 1862: 183). — Current status: *Acteonella* (*Trochactaeon*) *prisca* (Deshayes, 1835) (Sohl & Kollmann 1985: 84).

*problematica*, *Ampullaria* – Deshayes, 1862-*DescrCoqFoss*: 521, 36, pl. 36, figs 1-2. — Type localities: Châlons-sur-Vesle, Gueux & Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Type species (OD) of *Dowilleia* P. Fischer, 1883, now considered a synonym of *Pitharella* *arenaria* F. E. Edwards, 1860. — Current status: synonym of *Pitharella arenaria* (Melleville, 1843) [*Buccinum*] (Curry 1960: 272-273).

*procera*, *Tornatella* – Deshayes, 1862-*DescrCoqFoss*: 596, 37, pl. 37, figs 20-22. — Type localities: Cuise-la-Motte, Pierrefonds, Laversine, Mercin-et-Vaux, Laon & Hérouval. — Type age: Eocene



(Ypresian). — Type material: UCBL-EM 32554, syntypes. — Current status: *Acteon (Acteon) procerus* (Deshayes, 1862) (Le Renard & Pacaud 1995: 127).

*sphaericula, Tornatella* – Deshayes, 1861-*DescrCoqFoss*: 26, pl. 26, figs 32-34; 1862-*DescrCoqFoss*: 604, 37, pl. 37, figs 32-33. — Type localities: Thiverval-Grignon, Parnes, Mouchy-le-Châtel, Damery & Le Guépelle. — Type age: Eocene (Lutetian-Bartonian). — Type material: UCBL-EM 32494, syntype from Thiverval-Grignon. — Type species (OD) of *Semiactaeon* Cossmann, 1889. — Current status: *Acteon (Semiactaeon) sphaericulus* (Deshayes, 1861) (Le Renard & Pacaud 1995: 127; Pacaud 2008: 72); *Semiacteon* is more recently treated as a full genus.

*striatina, Tornatella* – Deshayes, 1862-*DescrCoqFoss*: 599, 37, pl. 37, figs 1-3. — Type localities: Le Fayel, Auvers-sur-Oise, Le Guépelle & Ver-sur-Launette. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32549, possible syntype. Synonym of *Acteon subinflatus* d'Orbigny, 1850 (Gougerot & Le Renard 1984: 83, 85). — Current status: *Acteon (Acteon) subinflatus* d'Orbigny, 1850 (Le Renard & Pacaud 1995: 127).

*turgida, Tornatella* – Deshayes, 1862-*DescrCoqFoss*: 594-595, 37, pl. 37, figs 14-16. — Type localities: Cuise-la-Motte & Laversine. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32552, syntype from Cuise-la-Motte. — Current status: *Acteon (Acteon) turgidus* (Deshayes, 1862) (Le Renard & Pacaud 1995: 127).



*acuminata, Auricula* – Leymerie, 1841: 320, *nomen nudum*; 1842: 12, 30, pl. 16, fig. 1a-b, *ex* Deshayes ms. — Type locality: Courtaoult. — Type age: Cretaceous (Albian). — Current status: synonym of *Tornatella lacryma* Michelin, 1834 (Kollmann 2005: 47, pl. 6, fig. 7).

*marginata, Auricula* – Leymerie, 1841: 320, 342, *nomen nudum*; 1842: 12, 30, pl. 16, fig. 3a-b, *ex* Deshayes ms, *non* Defrance, 1816, *non* Deshayes, 1830 [Ringiculidae]. — Type localities: Courtaoult & Marolles-sous-Lignières. — Type age: Cretaceous (Hauterivian). *Sulcoactaeon marginatus* (Leymerie, 1842) (Cossmann 1895: 109). *Liocarenus marginatus* (Leymerie, 1842: 48) (Kollmann 2005: 44, pl. 6, fig. 13). — Current status: *Hemiauricula marolium* Pacaud, n. name (replacement name herein): from its type locality: Marolles-sous-Lignières (Aube, France), Marolium in 1152; name given in apposition.

#### Family APLUSTRIDAE J. E. Gray, 1847

*eximia, Bulla* – Deshayes, 1863: 55-56, pl. 7, figs 23-24. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-27690, 3 syntypes (Valdés & Héros 1998: 698, 699, fig. 1D). — Current status: synonym of *Micromelo scriptus* (Garrett, 1857) [*Bulla*] (Feliciano *et al.* 2021: 848-849, figs 2E-G, 7, 8).

#### Family RINGICULIDAE Philippi, 1853

*Ringicula* – Deshayes, 1838-*HistNatAnim2*: 341-345. — Type species (SD Anton, 1838): *Marginella auriculata* Ménard de la Groye, 1811. 1843-*HistNatAnim3*: 391-392. 1862-*DescrCoqFoss*: 611-613. — Current status: valid type genus of Ringiculidae Philippi, 1853.

*bonelli, Auricula* – Deshayes, 1830a-*EncyMeth*: 95; 1838-*HistNatAnim2*: 344; 1843-*HistNatAnim3*: 391, the latter two references as *Ringicula*. — Type locality: Turin, Italy. — Type age: Middle Miocene. — Type species (OD) of *Ringiculospongia* Sacco, 1892.

*Ringicula bonellii* (Deshayes, 1830) (Morlet 1878: 262-263, pl. 6, fig. 13). — Current status: *Ringicula (Ringiculospongia) bonellii* (Deshayes, 1830) (Peyrot 1932: 303-304, pl. 11, figs 4-6, pl. 14, fig. 76).

*marginata, Auricula* – Deshayes, 1830a-*EncyMeth*: 95-96, *non* Defrance, 1816; 1838-*HistNatAnim2*: 345; 1843-*HistNatAnim3*: 392, the latter two references as *Ringicula*. — Type locality: Asti, Italy. — Type age: Pliocene (Piacenzian). Preoccupies *Auricula marginata* Leymerie, 1842, *ex* Deshayes ms [Acteonidae], and perhaps *Ringicula marginata* von Koenen, 1892. — Current status: synonym of *Ringicula buccinea* (Brocchi, 1814) [*Voluta*] (Landau *et al.* 2023: 373, pl. 16, figs 1-4).

*minor, Ringicula* – Deshayes, 1862-*DescrCoqFoss*: 612; 1863-*DescrCoqFoss*: 40, pl. 40, figs 7-9, *non Auricula ringens minor* Grateloup, 1838, now a recognized full Miocene species of *Ringicula*. — Type localities: Mercin-et-Vaux, Hérouval, Laversine, Laon, Vregny, Cœuvres-et-Valsery, Rethuil & Cuise-la-Motte. — Type age: Eocene (Ypresian). *Ringicula minor* Deshayes, 1862 (Morlet 1878: 253, pl. 6, fig. 1; Morlet 1880: 178, 181). — Current status: synonym of *Ringicula herouvalensis* Morlet, 1882, obviating the need for a replacement name (Pacaud herein).

*minutissima, Ringicula* – Deshayes, 1862-*DescrCoqFoss*: 612-613; 1863-*DescrCoqFoss*: 40, pl. 40, figs 10-12. — Type localities: Jeurre, Étrechy, Morigny-Champigny & Versailles. — Type age: Oligocene (Rupelian). — Current status: *Ringicula minutissima* Deshayes, 1862 (Morlet 1878: 258-259, pl. 6, fig. 7; Morlet 1880: 178, 181; Lozouet & Maestrati 2012a: 290, 293, fig. 190: 21-24).



*buccinea, Ringicula* – In proposing a new subspecies, this species was listed by Millet de la Turtaudière (1864: 677) as by Deshayes, but its original publication was as *Voluta buccinea* Brocchi, 1814, now *Ringicula buccinea* (Brocchi, 1814).

*globulosa, Auricula* – Leymerie, 1841: 342, *nomen nudum*; 1842: 12, 30, pl. 16, fig. 2, *ex* Deshayes ms. — Type locality: Marolles-sous-Lignières. — Type age: Cretaceous (Hauterivian). — Type species (SM J. E. Gray, 1847) of *Cinulia* J. E. Gray, 1842. *Avellana globulosa* (Leymerie, 1842: 48) (Mongin 1979: 117; Kollmann 2005: 21). However, *Cinulia* J. E. Gray, 1842, was published on May 21, and *Avellana* d'Orbigny, 1842, on November 21. Therefore, *Cinulia globulosa* (Leymerie, 1842: 48). No conclusion is advanced here about other taxa now allocated to *Avellana*, the type species of which is *Cassis avellana* Brongniart, 1822, by tautonymy.

#### Order PLEUROBRANCHIDA Deshayes, 1832

This order, originally “Les Pleurobrances” [1832-*EncyMeth*: table between p. 552-553], was first Latinized by Herrmannsen (1847). It originally contained dispirate contents, but now covers only the Pleurobranchoidea J. E. Gray, 1827 (Bouchet *et al.* 2017: 310, 353).

#### Family DORIDIDAE Rafinesque, 1815

*floridella, Doris* – Deshayes, in Frédo, 1865: pl. 11 [op. p. 272], fig. 2. — Type locality: none given. — Type age: Recent. — Current status: *nomen dubium*.

*tuncata, Doris* – Deshayes, in Frédo, 1865: pl. 11 [op. p. 272], fig. 1. — Type locality: none given. — Type age: Recent. — Current status: *nomen dubium*.

## Family CHROMODORIDIDAE Bergh, 1891

*coelestis*, *Goniodoris* – Deshayes, in Fré dol, 1865: pl. 11 [op. p. 272], fig. 4. — Type locality: none given. — Type age: Recent. — Current status: synonym of *Hypselodoris orsinii* (Vérany, 1846) [*Doris*] (Ortea *et al.* 1996: 58-64, figs 8D-F, 38-44), more recently placed in *Felimare*.

## Family EMBLETONIIDAE Pruvot-Fol, 1954

*lamarckii*, *Tergipes* – Deshayes, 1844-RegAnim: pl. 30 bis, fig. 4, 4a. — Type locality: none given. — Type age: Recent. — Current status: perhaps an *Embletonia*, but best now regarded as a *nomen dubium* (T. Gosliner, pers. comm., March 26, 2020).

## Family ARMINIDAE Iredale &amp; O'Donoghue, 1923 [1841]

*ocellata*, *Diphyllidia* – Deshayes, 1838-RegAnim: pl. 31, fig. 2, 2a. — Type locality: none given. — Type age: Recent. — Current status: synonym of *Armina maculata* Rafinesque, 1814 (Sabelli *et al.* 1990: 262).

## Family TRITONIIDAE Lamarck, 1809

*manicata*, *Tritonia* – Deshayes, 1853-TraitElem: 59, pl. 93, fig. 3. — Type locality: none given. — Type age: Recent. *Tritonia manicata* Deshayes, 1853 (G. H. Brown 1978; Cossignani & Ardovini 2011: 45). — Current status: *Duvaucelia manicata* (Deshayes, 1853) (Korsunova & Martynov 2020: 13, 24), more recently placed in *Candiella*.

*pustulosa*, *Tritonia* – Deshayes, 1853-TraitElem: 58, pl. 90, figs 4-5. — Type locality: none given. — Type age: Recent. — Current status: synonym of *Tritonia hombergii* Cuvier, 1803, the type species (SD ICZN Opinion 668, 1963) of *Tritonia* Cuvier, 1798 (Thompson & G. H. Brown 1984: 11).

## Family DOTIDAE J. E. Gray, 1853

*forbesii*, *Doto* – Deshayes, 1853-TraitElem: 57, pl. 57, fig. 4; Deshayes, in Fré dol, 1865: pl. 11 [op. p. 272], fig. 6. — Type locality: none given. — Type age: Recent. — Current status: possible synonym of *Doto coronata* (Gmelin, 1791) [*Doris*] (Shipman & Gosliner 2015: 24-26, figs 6A-C, 7A, 13A-B, species discussed but without this synonymy).

## Family AEOLIDIIDAE J. E. Gray, 1827

*alderi*, *Eolis* – Deshayes, 1853-TraitElem: 56, pl. 88, fig. 7, *non* Cocks, 1852. — Type locality: none given. — Type age: Recent. — Current status: *Tenellia* or *Eubranchus*, not to be confused with *Aeolidiella alderi* (Cocks, 1852) (Á. Valdés, pers. comm., August 16, 2022).

*alderiana*, *Eolis* – Deshayes, in Fré dol, 1865: pl. 11 [op. p. 272], fig. 7. — Type locality: none given. — Type age: Recent. — Current status: synonym of *Spurilla neapolitana* (Della Chiaje, 1841) [*Eolis*] (Carmona *et al.* 2014: 135-140, figs 1A-F, 2A-B, 3A), the type species (M) of *Spurilla* Bergh, 1864.

*coerulescens*, *Eolidia* – Deshayes, 1844-RegAnim: pl. 30 bis, fig. 5, *ex* Laurillard ms. Sometimes credited to Deshayes (Sabelli *et al.* 1990:

263; Cossignani & Ardovini 2011: 46), it was first made available as *Eolidia coerulescens* Laurillard in Guérin-Méneville, 1832 (Guérin-Méneville 1832: pl. 9, fig. 1; 1844: 19).

## Family UMBRACULIDAE Dall, 1889 [1827]

*cumingi*, *Umbrella* – Deshayes, 1863: 52-53, pl. 8, figs 4-5. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-38641, 2 syntypes; MNHN-IM-2000-28706, syntype (Valdés & Héros 1998: 714, 710, fig. 8E). — Current status: probable synonym of *Umbraculum umbraculum* (Lightfoot, 1786) [*Patella*] (Gabriel 1962: 201).

*laudunensis*, *Umbrella* – Deshayes, 1863-DescrCoqFoss: 657, 4, pl. 4, figs 12-13. Made available by Melleville (1843: 90 [44, 85], pl. 6, figs 3-4). — Type locality: Laon. — Type age: Eocene (Ypresian). — Current status: *Umbraculum laudunense* (Melleville, 1843).

## Family BULLIDAE J. E. Gray, 1827

*plicata*, *Bulla* – Deshayes, 1824-DescrCoqFoss: 43, 3, pl. 5, figs 31-33; 1836-HistNatAnim2: 682; 1843-HistNatAnim3: 251; 1862-DescrCoqFoss: 635, as *Bulla* (*Cylichna*). — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Type species (OD) of *Acrocolpus* Cossmann, 1895. — Current status: *Acrocolpus plicatus* (Deshayes, 1824) (Le Renard & Pacaud 1995: 128; Pacaud 2008: 74).

## Family RETUSIDAE Thiele, 1925

*coelata*, *Bulla* (*Cylichna*) – Deshayes, 1862-DescrCoqFoss: 634-635, 39, as *B. caelata*, pl. 39, figs 36-38. — Type localities: Étrechy, Jeurre, Morigny-Champigny, Versailles & Ormoy-la-Rivière. — Type age: Oligocene (Rupelian). — Current status: *Retusa caelata* (Deshayes, 1862) (Lozouet & Maestrati 2012a: 294-295, fig. 191: 24-26).

*minuta*, *Bulla* – Deshayes, 1824-DescrCoqFoss: 43, 3, pl. 5, figs 16-17, 21. 1862-DescrCoqFoss: 633, as *Bulla* (*Cylichna*). — Type locality: Versailles. — Type age: Oligocene (Rupelian). — Current status: *Retusa minuta* (Deshayes, 1824) (Lozouet & Maestrati 2012a: 294-295, fig. 191: 27-28).

## Family RHIZORIDAE Dell, 1952

*radius*, *Bulla* (*Volvula*) – Deshayes, 1862-DescrCoqFoss: 626-627, 39, pl. 39, figs 22-23. — Type locality: Pierrefonds. — Type age: Eocene (Ypresian). — Current status: *Volvulella radius* (Deshayes, 1862) (Le Renard & Pacaud 1995: 127; Pacaud 2008: 75).

*redacta*, *Bulla* (*Volvula*) – Deshayes, 1862-DescrCoqFoss: 627, 39, pl. 39, figs 1-3. — Type localities: Mouchy-le-Châtel, Parnes & Caumont. — Type age: Eocene (Lutetian and Bartonian). — Current status: synonym of *Volvulella radius* (Deshayes, 1862) (Gougerot & Le Renard 1983: 91).

## Family TORNATINIDAE P. Fischer, 1883

*exerta*, *Bullina* – Deshayes, 1862-DescrCoqFoss: 621, 39, pl. 39, figs 30-32. — Type localities: Jeurre & Ormoy-la-Rivière. — Type age: Oligocene (Rupelian). Synonym of *Acteocina lajonkaireana*



(Basterot, 1825) [*Bullina*] (Lozouet et al. 2001: 80). — Current status: *Tornatina exerta* (Deshayes, 1862) (Lozouet et al. 2012: 414-415, fig. 281: 40-41).

*grignonensis*, *Bullina* – Deshayes, 1862-*DescrCoqFoss*: 621-622, 39, pl. 39, figs 10-12. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32558, syntype. — Current status: *Acteocina grignonensis* (Deshayes, 1862) (Le Renard & Pacaud 1995: 127; Pacaud 2008: 75).

#### Family CYLICHNIDAE H. Adams & A. Adams, 1854

*ambigena*, *Bulla* (*Cylichna*) – Deshayes, 1862-*DescrCoqFoss*: 636-637; 1863-*DescrCoqFoss*: pl. 40, figs 13-15. — Type localities: Le Guépelle; Barton-on-Sea, England. — Type age: Eocene (Bartonian). — Current status: *Cylichna* (*Cylichna*) *cylindroides* [Deshayes, 1824] *ambigena* (Deshayes, 1862) (Le Renard & Pacaud 1995: 128).

*angistoma*, *Bulla* – Deshayes, 1824-*DescrCoqFoss*: 41, 3, pl. 5, figs 29-30; 1836-*HistNatAnim2*: 682; 1843-*HistNatAnim3*: 251; 1862-*DescrCoqFoss*: 628-629, as *Bulla* (*Cylichna*). — Type localities: Bracheux, Abbécourt & Noailles. — Type age: Paleocene (Thanetian). — Current status: *Cylichna* (*Cylichna*) *angistoma* (Deshayes, 1824) (Le Renard & Pacaud 1995: 128; Jeffery & Tracey 1997: 84, 103, pl. 14, fig. 14, as *C. “angistoma”*).

*bruguieri*, *Bulla* – Deshayes, 1836-*HistNatAnim*: 676, 680; 1862-*DescrCoqFoss*: 632, 39, pl. 39, figs 13-15, as *Bulla* (*Cylichna*) “*bruguieri*”. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). Cuisse-la-Motte, Cuisy-en-Almont, Aizy-Jouy, Cœuvres-et-Valsery, Laon, Houdainville, Hérouval, Thiverval-Grignon, Parnes, Les Groux, Brasles, Fontenay, Chaussy, Damery, Auvers-sur-Oise, Mary-sur-Marne, Caumont, Le Guépelle, Le Fayel, Verneuil, Lisy-sur-Ourcq & Hautteville-Bocage. — Type age: Eocene (Ypresian-Lutetian-Bartonian). Jette, Forets & Lacken, Belgium. — Current status: *Cylichna* (*Cylichna*) *bruguieri* (Deshayes, 1836) (Le Renard & Pacaud 1995: 128; Pacaud 2008: 75; Tréguier & Pacaud 2018: 212).

*caillati*, *Bulla* (*Cylichna*) – Deshayes, 1862-*DescrCoqFoss*: 630-631, 38, pl. 38, figs 17-19. — Type localities: Thiverval-Grignon, Ferme de l’Orme & Maulette. — Type age: Eocene (Lutetian). — Current status: *Cylichna* (*Cylichna*) *caillati* (Deshayes, 1862) (Le Renard & Pacaud 1995: 128; Pacaud 2008: 75).

*consors*, *Bulla* (*Cylichna*) – Deshayes, 1862-*DescrCoqFoss*: 635-636; 1863-*DescrCoqFoss*: 40, pl. 40, figs 16-18. — Type locality: Aizy-Jouy. — Type age: Eocene (Ypresian). — Current status: *Cylichna* (*Cylichna*) *consors* (Deshayes, 1862) (Le Renard & Pacaud 1995: 128).

*conulus*, *Bulla* – Deshayes, 1824-*DescrCoqFoss*: 41, 3, pl. 5, figs 34, 36; 1836-*HistNatAnim2*: 681-682; 1843-*HistNatAnim3*: 251; 1862-*DescrCoqFoss*: 628, as *Bulla* (*Cylichna*). — Type localities: Thiverval-Grignon, Parnes, Mouchy-le-Châtel & Houdan. — Type age: Eocene (Lutetian). — Current status: *Cylichna* (*Cylichna*) *conulus* (Deshayes, 1824) (Le Renard & Pacaud 1995: 128; Pacaud 2008: 75).

*cylindroides*, *Bulla* – Deshayes, 1824-*DescrCoqFoss*: 40, 3, pl. 5, figs 22-24; 1836-*HistNatAnim2*: 681; 1843-*HistNatAnim3*: 251; 1862-*DescrCoqFoss*: 637, as *Bulla* (*Cylichna*). — Type localities: Parnes, Thiverval-Grignon, Mouchy-le-Châtel, Chaumont-en-Vexin, Étampes, Noailles & Hautteville-Bocage. — Type age: Eocene (Lutetian). — Type species (OD) of *Acrotrema* Cossmann, 1889, now regarded as a synonym of *Cylichna* Lovén, 1846. — Current status: *Cylichna* (*Cylichna*) *cylindroides* (Deshayes, 1824) (Le Renard & Pacaud 1995: 128; Pacaud 2008: 75; Tréguier & Pacaud 2018: 209).

*denudata*, *Bulla* (*Cylichna*) – Deshayes, 1862-*DescrCoqFoss*: 629, 39, pl. 39, figs 4-6. — Type locality: Chéry-Chartreuve. — Type age: Eocene (Bartonian). — Current status: *Cylichna* (*Cylichna*) *denudata* (Deshayes, 1862) (Le Renard & Pacaud 1995: 128).

*goniophora*, *Bulla* (*Cylichna*) – Deshayes, 1862-*DescrCoqFoss*: 632-633, 38, pl. 38, figs 26-29. — Type localities: Chaumont-en-Vexin, Brasles, Parnes, Mouchy-le-Châtel, Le Guépelle & La Ferté-sous-Jouarre. — Type age: Eocene (Lutetian-Bartonian). — Current status: *Cylichna* (*Cylichnopsis*) *goniophora* (Deshayes, 1862) (Le Renard & Pacaud 1995: 128; Pacaud 2008: 75).

*lebrunii*, *Bulla* (*Cylichna*) – Deshayes, 1862-*DescrCoqFoss*: 634, 39, pl. 39, figs 7-9. — Type localities: Thiverval-Grignon, Mouy, Hermonville, Hérouval, Saint-Thomas, Gentilly, Beauchamp, Serrans, Caumont & Chéry-Chartreuve. — Type age: Eocene (Lutetian-Bartonian). — Current status: *Cylichna* (*Cylichna*) *lebrunii* (Deshayes, 1862) (Le Renard & Pacaud 1995: 128; Pacaud 2008: 75).

*multistriata*, *Bulla* – Deshayes, 1858: 553, *nomen nudum*.

*striatissima*, *Bulla* (*Cylichna*) – Deshayes, 1862-*DescrCoqFoss*: 636, 38, pl. 38, figs 20-22. — Type locality: Acy-en-Multien. — Type age: Eocene (Bartonian). — Current status: *Cylichna* (*Cylichna*) *striatissima* (Deshayes, 1862) (Le Renard & Pacaud 1995: 128; Pacaud 2008: 75).

*verneuili*, *Bulla* (*Cylichna*) – Deshayes, 1862-*DescrCoqFoss*: 631, 38, pl. 38, figs 14-16. — Type locality: Chaumont-en-Vexin, Le Vivray, Thiverval-Grignon & Parnes. — Type age: Eocene (Lutetian). *Cylichna* (*Cylichna*) *bruguieri* [Deshayes, 1836] *verneuili* (Deshayes, 1862) (Le Renard & Pacaud 1995: 128). — Current status: *Cylichna* (*Cylichna*) *verneuili* (Deshayes, 1862) (Pacaud 2008: 75).

*volva*, *Bulla* (*Cylichna*) – Deshayes, 1862-*DescrCoqFoss*: 627-628; 1863-*DescrCoqFoss*: 40, pl. 40, figs 22-24, *non* Linnaeus, 1758. — Type locality: Le Guépelle. — Type age: Eocene (Bartonian). — Type material: MNHN.FJ04148, syntype. — Current status: *Bulla elacate* Bayan, 1873a (Bayan 1873a: 114), replacement name. *Roxania elacate* (Bayan, 1873) (Le Renard & Pacaud 1995: 128).

#### Family DIAPHANIDAE Odhner, 1914 [1857]

*assula*, *Bulla* (*Utriculus*) – Deshayes, 1862-*DescrCoqFoss*: 38, pl. 38, figs 33-35; 1863: 647-648. — Type localities: Vregny & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Diaphana assula* (Deshayes, 1862) (Le Renard & Pacaud 1995: 128; Pacaud 2008: 74).

*pulchella*, *Bulla* (*Utriculus*) – Deshayes, 1863-*DescrCoqFoss*: 647, 40, pl. 40, figs 19-21. — Type locality: Le Guépelle. — Type age: Eocene (Bartonian). — Current status: *Diaphana pulchella* (Deshayes, 1863) (Le Renard & Pacaud 1995: 128).

#### Family HAMINOEIDAE Pilsbry, 1895

*biumbilicata*, *Bulla* (*Haminea*) – Deshayes, 1862-*DescrCoqFoss*: 640, 39, pl. 39, figs 33-35. — Type locality: Auvers-sur-Oise. — Type age: Eocene (Bartonian). — Current status: *Roxania biumbilicata* (Deshayes, 1862) (Le Renard & Pacaud 1995: 128; Pacaud 2008: 75).

*candidula*, *Bulla* – Deshayes, 1833d: 66, pl. 65, fig. 9-10. — Type locality: northern Red Sea. — Type age: Recent. — Current status: synonym of *Atys cylindricus* (Helbling, 1779) [*Bulla*] (Yaron 1979: 249), now *Aliculastrum cylindricum* (Helbling, 1779) (Too et al. 2014: 357, 362), type species of *Aliculastrum* Pilsbry, 1895 (typification of replaced *Alicula* Ehrenberg, 1831, *non* Eichwald, 1830).

*globulus*, *Bulla* – Deshayes, 1824-DescrCoqFoss: 40-41, 3, pl. 5, figs 37-39 [fig. 37 listed as 33 in text]; 1837-DescrCoqFoss: 811, correction made]; 1862-DescrCoqFoss: 642, as *Bulla* (*Haminea*). — Type locality: Ferme de l'Orme. — Type age: Eocene (Lutetian). Preoccupies *Bulla globulus* Grateloup, 1837, a fossil *Amnicola* as yet unreplaced [Amnicolidae]. — Current status: synonym of *Scaphander laevis* (Defrance, 1817) (Pacaud herein).

*lamarckii*, *Bulla* (*Haminea*) – Deshayes, 1863-DescrCoqFoss: 641-642; 40, pl. 40, figs 25-28. — Type localities: Parnes, Thiverval-Grignon, Chaussy, Saint-Félix, Chéry-Chartreuve & Cresnes. — Type age: Eocene (Lutetian-Bartonian). *Roxania lamarckii* (Deshayes, 1863) (Le Renard & Pacaud 1995: 128; Pacaud 2008: 75). — Current status: *Aliculastrum lamarckii* (Deshayes, 1863) (Tréguier & Pacaud 2018: 210).

*semistriata*, *Bulla* – Deshayes, 1824-DescrCoqFoss: 44, 3, pl. 5, figs 27-28; 1836-HistNatAnim2: 682-683; 1843-HistNatAnim3: 251; 1858: 553; 1863-DescrCoqFoss: 642, as *Bulla* (*Haminea*). — Type locality: Soissons. — Type age: Eocene (Ypresian). — Current status: *Roxania semistriata* (Deshayes, 1824) (Le Renard & Pacaud 1995: 128).



*turgidula*, *Bulla* – Sandberger, 1859: pl. 14, fig. 13, 13a-b; 1862: 269, ex Deshayes ms, non Forbes, 1844. — Type localities: Würzmühle, near Weinheim, Hochheim, Germany; Sandberger coll.; Ormoy-la-Rivière, Morigny-Champigny, France (Deshayes coll.). — Type age: Oligocene (Rupelian). — Type material: SMWi IS142, lectotype (Kuster-Wendenbrug, 1973); SMWi IS140-144, paralectotypes. *Mnestia turgidula* (Sandberger, 1859) (Marquet *et al.* 2008: 64-65, pl. 16, fig. 4). *Alys turgidula* (Sandberger, 1859) (Lozouet & Maestrati 2012a: 294, fig. 191.21, 29-31. — Current status: *Alys extumidus* Pacaud, n. name (replacement name herein): from Latin (*extumidus*), inflated, of the inflated shape of the shell.

#### Family PHILINIDAE J. E. Gray, 1850

*excavata*, *Bullaea* – Deshayes, 1862-DescrCoqFoss: 36, pl. 36, figs 33-34; 1863: 650. — Type localities: Parnes & Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Philine* (*Megistostoma*) *excavata* (Deshayes, 1863) (Le Renard & Pacaud 1995: 128; Pacaud 2008: 75), now *Megistostoma excavata* (Deshayes, 1862),

*rostrata*, *Bullaea* – Deshayes, 1830a-EncyMeth: 148-149; 1836-HistNatAnim2: 665; 1843-HistNatAnim3: 245. — Type locality: Italy. — Type age: Pliocene. *Megistostoma rostratum* (Deshayes, 1830) (Sosso *et al.* 2011: 23, figs 2A-F, 3). — Current status: *Philine rostrata* (Deshayes, 1830) (Landau *et al.* 2020: 276, pl. 23, figs 1-2).

*striata*, *Bullaea* – Deshayes, 1824-DescrCoqFoss: 37, 3, pl. 5, figs 1-3; 1830a-EncyMeth: 148; 1836-HistNatAnim2: 665; 1843-HistNatAnim3: 245; 1863-DescrCoqFoss: 651. — Type localities: Thiverval-Grignon & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Philine* (*Megistostoma*) *striata* (Deshayes, 1824) (Le Renard & Pacaud 1995: 128; Pacaud 2008: 75, as “1862”), now *Megistostoma striata* (Deshayes, 1824) (Pacaud herein).

*vaudini*, *Bullaea* – Deshayes, 1862-DescrCoqFoss: 36, pl. 36, figs 31-35 [in text as 31-32]; 1863: 651; 1865-DescrCoqFoss: 666 [correction made]. — Type localities: Laon & Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Philine* (*Megistostoma*) *vaudini* (Deshayes, 1862) (Le Renard & Pacaud 1995: 128), now *Megistostoma vaudini* (Deshayes, 1862) (Pacaud herein).

#### Family AGLAJIDAE Pilsbry, 1895 [1847]

*achates*, *Doridium* – Deshayes, 1853-TraitElem: 58, pl. 91, figs 6-8. — Type locality: none given. — Type age: Recent. — Current status: synonym of *Aglaja tricolorata* Renier, 1807 (Pilsbry 1896: 239). These particular Renier generic and species names are available (ICZN Opinion 1079, 1977). *Aglaja tricolorata* is the type species (SD Suter, 1913) of *Aglaja* Renier, 1807.

#### Family SCAPHANDRIDAE G. O. Sars, 1878

*brongniarti*, *Bulla* (*Scaphander*) – Deshayes, 1863-DescrCoqFoss: 644-645, 38, pl. 38, figs 12-13. — Type localities: La Ferté-sous-Jouarre & Le Guépelle. — Type age: Eocene (Bartonian). — Current status: *Scaphander brongniarti* (Deshayes, 1863) (Le Renard & Pacaud 1995: 128).

*cincta*, *Bulla* (*Haminea*) – Deshayes, 1858: 553, *nomen nudum*; 1862-DescrCoqFoss: 639, 39, pl. 39, figs 19-21. — Type localities: Jonchery-sur-Vesle, Gueux, Trigny & Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). — Current status: *Mirascapha cincta* (Deshayes, 1862) (Le Renard & Pacaud 1995: 128).

*conica*, *Bulla* – Deshayes, 1824-DescrCoqFoss: 45, 4, pl. 8, figs 1-3 [pl. mistakenly listed as 7 in text]; 1837-DescrCoqFoss: 811 [correction made]; 1863-DescrCoqFoss: 645-646, 38, pl. 38, figs 10-11, as *Bulla* (*Scaphander*). — Type locality: Soissons. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32135, syntype. — Current status: *Scaphander conicus* (Deshayes, 1824) (Le Renard & Pacaud 1995: 128; Pacaud 2008: 75).

*distans*, *Bulla* (*Scaphander*) – Deshayes, 1863-DescrCoqFoss: 643, 38, pl. 38, figs 30-32. — Type localities: Boursault, Damery & Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Mirascapha distans* (Deshayes, 1863) (Le Renard & Pacaud 1995: 128).

*glaphyra*, *Bulla* (*Haminea*) – Deshayes, 1862-DescrCoqFoss: 639-640, 39, pl. 39, figs 16-18. — Type locality: Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Current status: *Mirascapha glaphyra* (Deshayes, 1862) (Le Renard & Pacaud 1995: 128; Leroy *et al.* 2014: 26, pl. 29, fig. 12a-b).

*sulcatina*, *Bulla* (*Haminea*) – Deshayes, 1862-DescrCoqFoss: 638, 38, pl. 38, figs 23, 25. — Type locality: Abbecourt. — Type age: Paleocene (Thanetian). *Mirascapha sulcatina* (Deshayes, 1862) (Le Renard & Pacaud 1995: 128).

#### Family APLYSIIDAE Lamarck, 1809

##### NOTE

*Laphysia* is an incorrect original spelling of *Aplysia* (ICZN Opinion 200, 1954a).

*albopunctata*, *Aplysia* [sic, for *Aplysia*] – Deshayes, 1853-TraitElem: 59, pl. 92, figs 1-2. — Type locality: none given. — Type age: Recent. — Current status: synonym of *Aplysia punctata* Cuvier, 1803 [*Laphysia*] (Eales 1960: 291-293; Golestani *et al.* 2019: [39]).

*cailleti*, *Aplysia* – Deshayes, 1857f: 140-141. — Type locality: Guadeloupe; Schramm. — Type age: Recent. — Current status: probable synonym of *Aplysia fasciata* Poirer, 1789 [*Laphysia*] (Eales 1960: 297-298; Strenth & Blankenship 1977: 98).



*maillardii*, *Dolabrifera* – Deshayes, 1863: 53-54, pl. 7, figs 20-22. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-28790, 3 syntypes (Valdés & Héros 1998: 712). — Current status: synonym of *Dolabrifera dolabrifera* (Rang, 1828) [*Aplysia*] (Engel & Hummelinck 1936).

*ornata*, *Dolabella* – Deshayes, 1853-TraitElem: 57, pl. 57, fig. 5; Deshayes, in Fré dol, 1865: pl. 11 [op. p. 272], fig. 9, as *Dolabrifera*. — Type locality: none given. — Type age: Recent. — Current status: possible senior synonym of *Phyllaplysia lafonti* (P. Fischer, 1870) (Engel 1924: 235).

*schrammii*, *Aplysia* – Deshayes, 1857f: 140. — Type locality: Guadeloupe; Schramm. — Type age: Recent. — Current status: synonym of *Aplysia dactylomela* Rang, 1828 (Eales 1960: 307-310; Strenth & Blankenship 1977: 98; T. E. Thompson 1977: 112-113, fig. 15).

#### Family CAVOLINIIDAE J. E. Gray, 1850 [1815]

*rangii*, *Hyalaea* [*sic*, *Hyalaea*] – Deshayes, 1832-EncyMeth: 310. — Type locality: African seas. — Type age: Recent. — Type material: MNHN-IM-2000-38629, 5 syntypes (Valdés & Héros 1998: 713, 717, fig. 9F). — Current status: synonym of *Cavolinia tridentata* (Forsskål, 1775) [*Anomia*] (Sabelli *et al.* 1990: 236; A. W. Janssen *et al.* 2019: 329-331, figs 47-48).

*strangulata*, *Cleodora* – Deshayes, 1823-DictClass4: 204; 1833e: 124, as *Vaginella* (*Cleodora*) *strangulata*; 1836-HistNatAnim2: 431-432; 1843-HistNatAnim3: 158. — Type locality: none originally given [Saint-Paul-lès-Dax & Bordeaux]. — Type age: Miocene (Aquitanian-Burdigalian). — Current status: synonym of *Vaginella depressa* Daudin, 1800 (Peyrot 1932: 472-473, pl. 18, figs 36-37, in one place as *C. "stangulata"*; Lozouet *et al.* 2001: 83, fig. 19g; A. W. Janssen, pers. comm., March 21, 2020).



Sherborn (1922-1933) credited several species of *Hyalaea* to “d’Orbigny in Deshayes”, 1836-HistNatAnim2. However, Deshayes was able to cite these species because plates 5-7 of d’Orbigny’s *Voyage Amerique Méridionale* appeared on August 31, 1835, with on-plate captions. The following is a list of their correct authorships and dates, together with their current allocations in MolluscaBase. d’Orbigny’s text appeared a year later than these plates, together with one unrelated “*ex Deshayes ms*” species.

*affinis*, *Hyalaea* – d’Orbigny, 1835: pl. 5, figs 6-10. Synonym of *Cavolinia tridentata* (Forsskål, 1775) [*Anomia*].

*flava*, *Hyalaea* – d’Orbigny, 1835: pl. 5, figs 21-35. *Cavolinia gibbosa flava* (d’Orbigny, 1835).

*gibbosa*, *Hyalaea* – d’Orbigny, 1835: pl. 5, figs 16-20, *ex* Rang ms. *Cavolinia gibbosa* (d’Orbigny, 1835) (Cossignani & Ardevini 2011: 38, 381).

*labata*, *Hyalaea* – d’Orbigny, 1835: pl. 6, figs 11-15. *Cavolinia labata* (d’Orbigny, 1835).

*laevigata*, *Hyalaea* – d’Orbigny, 1835: pl. 7, figs 15-19. Synonym of *Diacavolinia limbata* (d’Orbigny, 1835).

*limbata*, *Hyalaea* – d’Orbigny, 1835: pl. 6, figs 21-25. *Diacavolinia limbata* (d’Orbigny, 1835).

*longirostra*, *Hyalaea* – d’Orbigny, 1835: pl. 6, figs 6-10. Species purposed earlier by Blainville, 1821, now *Diacavolinia longirostris* (Blainville, 1821) [*Hyalaea*].

*cumingii*, *Hyalaea* – G. B. Sowerby II, 1877b: pl. 1, fig. 5, *ex* Deshayes ms. — Type locality: Australia. — Type age: Recent. — Current status: synonym of *Cavolinia tridentata* (Forsskål, 1775) [*Anomia*].

#### Family CRESEIDAE Rampal, 1973

*annulata*, *Creseis* – Deshayes, 1853-TraitElem: 61, pl. 103, figs 11-12, *ex* Rang ms. — Type locality: none given. — Type age: Recent. — Current status: synonym of *Hyalocylis striata* (Rang, 1828) [*Creseis*] (Sabelli *et al.* 1990: 238).

*parisiensis*, *Cleodora* – Deshayes, 1861-DescrCoqFoss: 187, 3, pl. 3, figs 15-17, *non* Watelet, 1851. — Type localities: Chaumont-en-Vexin, Gisors & Les Groux. — Type age: Eocene. — Type species (OD) of *Euchilotheca* P. Fischer, 1882. — Current status: synonym of *Euchilotheca succincta* (Defrance, 1828) [*Vaginella*] (Cossmann 1919: 106; Curry 1965: 359-360, fig. 3a-b, 4,5). It is odd that he picked the same specific name as Watelet (a Neogene taxon) because he was very familiar with this work.

#### Family PNEUMODERMATIDAE Latreille, 1825

*Eglaea* – Deshayes, 1830a-EncyMeth: 7. Incorrect subsequent spelling of *Aegle* Oken, 1815, an unavailable name (ICZN Opinion 417, 1956a).

*Pneumodermo* – Deshayes, 1838-RegAnim: pl. 17, figs 1-2. Incorrect subsequent spelling of *Pneumodermon* Cuvier, 1816.

#### Family JULIIDAE E. A. Smith, 1885

*Hemiplicatula* – Deshayes, 1861: 128-129. — Type species (M): *Placuna solida* “Deshayes in Melleville, 1843”, that is, *Placuna solida* Melleville, 1843. *Semiplicatula* P. Fischer, 1886, is an unjustified emendation. — Current status: valid genus.

*Prasina* – Deshayes, 1863: 25-29. — Type species (M): *Prasina borbonica* Deshayes, 1863. — Current status: synonym of *Julia* A. A. Gould, 1862 (Pease, 1871: 102). Type genus of Prasinidae Stoliczka, 1871, a synonym of Juliidae E. A. Smith, 1885, which is conserved by tradition, pending an application to the ICZN (Bouchet *et al.* 2017: 358, 383). Juliidae would inherit precedence from 1871. E. Lamy (1928) had speculated as to the relationships of Deshayes’ genus.

*borbonica*, *Prasina* – Deshayes, 1863: 29, pl. 4, figs 4-8. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-28643, syntype; MNHN-IM-2000-28700, 2 syntypes (Valdés & Héros 1998: 710, 711, fig. 8A-B). — Current status: probable synonym of *Julia exquisita* A. A. Gould, 1862 (Kay 1968: 110-111; Rehder 1980: 102), or a separable species (Beets 1944; Beets 1949; C. R. Boettger 1963: 419-420, 424-425).



*Ludovicia* – Cossmann, 1887, *ex* Deshayes ms: 45-46. — Type species (OD): *Ludovicia squamula* Cossmann, 1887. Considered to be a synonym of *Berthelinia* Crosse, 1875.

*solida*, *Placuna* – Deshayes, 1858-DescrCoqFoss: 84, pl. 80, figs 1-3; 1861-DescrCoqFoss: 129. Made available by Melleville 1843: 89-

90 [43-44, 82], pl. 1, figs 6-7. — Type locality: Laon. — Type age: Eocene (Ypresian). — Current status: *Hemiplicatula solida* (Melleville, 1843), a representative of the subfamily Gougerotiinae Le Renard, 1980 (Le Renard *et al.* 1996: 231; Neveškaja *et al.* 2013: 268, fig. 96-1, who mistakenly assigned this taxon to the Bivalvia).

#### Family PLAKOBRANCHIDAE J. E. Gray, 1840

*Tridachia* – Deshayes, 1857f: 141-142. Genus without included species. Original list supplied by Mörch (1863: 40-41). — Type species (SD MacFarland, 1924: 405): *Elysia schrammi* Mörch, 1863, *ex* Deshayes ms, now regarded as a synonym of *Elysia crispata* Mörch, 1863. — Current status: genus a synonym of *Elysia* Risso, 1818 (Krug *et al.* 2016: 17). *Thridachia* P. Fischer, 1883, is an unjustified emendation.

●  
*schrammi*, *Elysia* – Mörch, 1863: 41, *ex* Deshayes ms. Deshayes, 1857f provided a minimal description of this species, saying that he intended to name it in honor of [Alphonse] Schramm, but he did not give a Latinized name. Thus, the species dates from Mörch (1863) based on the description given by Deshayes, 1857f). — Type age: Recent. — Current status: synonym of *Elysia crispata* Mörch, 1863. (Krug *et al.* 2016: 17).

#### Family LIMAPONTIIDAE J. E. Gray, 1847

*Custiphorus* – Deshayes, 1853-TraitElem: 57, pl. 89, fig. 2. — Type species (M): *Custiphorus vesiculosus* Deshayes, 1853. — Current status: synonym of *Calliopaea* d'Orbigny, 1837 (MolluscaBase).

*vesiculosus*, *Custiphorus* – Deshayes, 1853-TraitElem: 57, pl. 89, fig. 2; Deshayes, in Frédo, 1865: pl. 11 [op. p. 272], fig. 8. — Type locality: none given. — Type age: Recent. — Current status: synonym of *Calliopaea bellula* d'Orbigny, 1837 (Kantor & Sysøev 2005: 176).

#### Family HERMAEIDAE H. Adams & A. Adams, 1854

*Aplysiopsis* – Deshayes, 1853-TraitElem: 56, pl. 88. — Type species (M): *Aplysiopsis elegans* Deshayes, 1853. Preoccupies *Aplysiopsis* Bergh, 1898, which is now considered to be a synonym of *Aplysia* Linnaeus, 1758. — Current status: valid genus.

*elegans*, *Aplysiopsis* – Deshayes, 1853-TraitElem: 56, pl. 88, fig. 8. — Type locality: none given. — Type age: Recent. — Current status: the Mediterranean *Aplysiopsis elegans* Deshayes, 1853 (Sabelli *et al.* 1990: 243; Cossignani & Ardovini 2011: 40).

*viridis*, *Hermaea* – Deshayes, 1857f: 141. — Type locality: Guadeloupe; Schramm. — Type age: Recent. — Current status: *Polybranchia viridis* (Deshayes, 1857) (T. E. Thompson 1977: 133-134, figs 22k, 24b-c; Rosenberg *et al.* 2009: 680; D. Lamy & Pointier 2018: 586). *Caliphylia viridis* (Deshayes, 1857) (Medrano *et al.* 2018: 103).

#### Family SIPHONARIIDAE J. E. Gray, 1827

*costaria*, *Patella* – Deshayes, 1824-DescrCoqFoss: 9-10, 1, pl. 1, figs 10-11; 1863-DescrCoqFoss: 692, 8, pl. 8, figs 4-7, as *Siphonaria*. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Current status: *Siphonaria costaria* (Deshayes, 1824) (Wenz 1923: 1722; Le Renard & Pacaud 1995: 129).

*crassicostata*, *Siphonaria* – Deshayes, 1861-DescrCoqFoss: 8, pl. 8, figs 8-11; 1863-DescrCoqFoss: 693. — Type locality: Auvers-sur-Oise. — Type age: Eocene (Bartonian). — Type material: MNHN.F.A91648, 2 syntypes. — Current status: *Siphonaria crassicostata* Deshayes, 1861 (Wenz 1923: 1723; Le Renard & Pacaud 1995: 129).

*incerta*, *Siphonaria* – Deshayes, 1863: 81-82, pl. 7, figs 16-17. — Type locality: La Réunion. — Type age: Recent. — Current status: *Siphonaria incerta* Deshayes, 1863 (White & Dayrat 2012: 62).

*parcicostata*, *Siphonaria* – Deshayes, 1863: 82, pl. 7, figs 18-19. — Type locality: La Réunion. — Type age: Recent. — Current status: *Siphonaria parcicostata* Deshayes, 1863 (White & Dayrat 2012: 62).

*scutellum*, *Siphonaria* – Deshayes, 1839d: 360; 1841: 2, pl. 35. — Type locality: Chatham Island, New Zealand. Jeannelle collection. — Type age: Recent. — Type material: MNHN-IM-2000-5117, 5 syntypes. Synonym of *Benhamina obliquata* (G. B. Sowerby I, 1825) [*Siphonaria*], the type species (OD) of *Benhamina* Finlay, 1927. Listed by White & Dayrat (2012: 62). — Current status: *Benhamina obliquata* (G. B. Sowerby I, 1825), which was discussed by Powell (1979: 293, pl. 54, figs 12-13).

*spectabilis*, *Siphonaria* – Deshayes, 1863-DescrCoqFoss: 692, 8, pl. 8, figs 1-3. — Type localities: Acy-en-Multien, Bouconwillers, La Ferté-sous-Jouarre, Le Tombray. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32393, syntype from Acy-en-Multien. — Current status: *Siphonaria spectabilis* Deshayes, 1863 (Le Renard & Pacaud 1995: 129).

#### Family PYRAMIDELLIDAE J. E. Gray, 1840

*Aciculina* – Deshayes, 1861-DescrCoqFoss: 25, pl. 25; 1862-DescrCoqFoss: 530-534, *non* A. Adams, 1853 [Nassariidae]. — Type species (SD Cossmann, 1893): *Aciculina gracilis* Deshayes, 1861. *Rhaphium* Bayan, 1873a (Bayan 1873a: 106-107), replacement name, but *non* Meigen, 1822 [Insecta], *nec* White, 1855 [Insecta]; *Baudonia* Bayan, 1873b (Bayan 1873b: 235), replacement name, but *non* Mabille, 1868 [land slug]; *Anisocycla* Monterosato, 1880 (Monterosato 1880: 72), replacement name; *Belonidium* Cossmann, 1893 (Cossmann 1893: 350), unnecessary additional replacement name for all of the preceding. — Current status: all the above regarded as subjective synonyms of *Eulimella* Forbes & M'Andrew, 1846. Warén (1994) argued for the placement of this genus in his new family *Ebalidae*, in part based on an incorrectly designated type species, and Pacaud & Le Renard (1995: 187) followed this. Aartsen (1995) argued for its placement there based on a different but also incorrect type species.

#### REMARK

Concerning the genus *Lacunoptyxis* Cossmann, 1888, a pyramidellid, see discussion under “*praelonga*, *Lacuna*” in the Iravadiidae.

*acuminatum*, *Odostomia* – Deshayes, 1861-DescrCoqFoss: 19, pl. 19, figs 7-8; 1862-DescrCoqFoss: 554. — Type localities: La Ménagerie, Versailles, Jeurre, Étrechy & Morigny-Champigny. — Type age: Oligocene (Rupelian). — Current status: *Colpostomia acuminata* (Deshayes, 1861) (Lozouet & Maestrati 2012b: 33).

*alligata*, *Tornatella* – Deshayes, 1825-DescrCoqFoss: 13, pl. 23, figs 3-4; 1832: 188-189; 1843-HistNatAnim2: 50-51; 1843-HistNatAnim3: 520; 1862-DescrCoqFoss: 551, as *Odostomia*. — Type locality: Versailles. — Type age: Oligocene (Rupelian). — Type species (OD) of *Raulinia* Mayer, 1864. — Current status: *Raulinia alligata* (Deshayes, 1825) (Lozouet & Maestrati 2012a: 294-295, fig. 191: 1-3; Lozouet *et al.* 2012: 432-433, fig. 290: 3-4, both as “1824”).



*ambigua*, *Turbonilla* – Deshayes, 1861-*DescrCoqFoss*: 21, pl. 21, figs 20-21; 1862-*DescrCoqFoss*: 571. — Type localities: Jeurre & Morigny-Champigny. — Type age: Oligocene (Rupelian). Preoccupies *Turbonilla ambigua* (Saurin, 1862) [*Chemntzia*], which was unnecessarily replaced by *Turbonilla normalis* Corgan & Aartsen, 1998 (Rosenberg & Petit, 2001: 248). Both preoccupy *Turbonilla ambigua* Weinkauff, 1868; *Parthenina emaciata* (Brusina, 1866) [*Turbonilla*] is the senior synonym in use for this living Mediterranean species. — Current status: Deshayes species is now *Syrnola ambigua* (Deshayes, 1861) (Cossmann 1921: 231).

*angusta*, *Turbonilla* – Deshayes, 1861-*DescrCoqFoss*: 20, pl. 20, figs 13-14; 1862-*DescrCoqFoss*: 575, *non* Leach, 1852. — Type localities: Thiverval-Grignon, Parnes, Mouchy-le-Châtel, Hérouval, Montmirail, Valmondois & Caumont. — Type age: Eocene (Lutetian-Bartonian). *Syrnola* (*Puposyrnola*) *angusta* (Deshayes, 1862) (Le Renard 1994: 39; Le Renard & Pacaud 1995: 90; Jeffery & Tracey 1997: 84, 102, pl 13, fig. 11; Pacaud 2008: 73). — Current status: *Puposyrnola coartata* Pacaud, n. name (replacement name herein); from Latin: *coartatus* (tightened), of the elongated shape of the shell.

*arcta*, *Turbonilla* – Deshayes, 1861-*DescrCoqFoss*: 20, pl. 20, figs 28-30, 21, as *Turbonilla blanda*, pl. 21, figs 5-6; 1862-*DescrCoqFoss*: 574-575; 666 [correction in pl. 21 fig. expl. noted]. — Type localities: Hérouval, Mercin-et-Vaux, Thiverval-Grignon, Parnes, Damery, Boursault, Montmirail, Brasles, Valmondois & Caumont. — Type age: Eocene (Ypresian-Lutetian-Bartonian). — Current status: *Syrnola* (*Syrnola*) *arcta* (Deshayes, 1861) (Le Renard & Pacaud 1995: 90; Pacaud 2008: 73).

*bimarginata*, *Auricula* – Deshayes, 1824-*DescrCoqFoss*: 70-71, 4, pl. 8, figs 12-13. — Type locality: Abbecourt. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32136, syntype. 1862-*DescrCoqFoss*: 579, as *Turbonilla*. Synonym of *Odontostomia gravesi* (Deshayes, 1861) [*Odontostomia*] (Cossmann, 1888: 103). However, *Auricula bimarginata* is earlier. — Current status: *Megastomia bimarginata* (Deshayes, 1824).

*biplicatum*, *Odostomia* – Deshayes, 1861-*DescrCoqFoss*: 26, pl. 26, figs 19-21; 1862-*DescrCoqFoss*: 555, *non* J. Fleming, 1813. — Type locality: Pierrefonds. — Type age: Eocene (Ypresian). Le Renard (1994: 39) proposed *Stolidoma* (*Stolidomopsis*) *fehsei* as a replacement name. — Current status: *Tiberia* (*Cossmannica*) *fehsei* (Le Renard, 1994).

*bulimoides*, *Odostomia* – Deshayes, 1861-*DescrCoqFoss*: 19, pl. 19, figs 15-16; 1862-*DescrCoqFoss*: 551, *non* *Odontostomia* (*Odontostomia*) *bulimoides* (Grateloup, 1838) [*Acteon*]. (*Odontostomia* Jeffreys, 1839, is an unjustified emendation of *Odontostomia* Fleming, 1815, and therefore equivalent to it.) — Type locality: Le Fayel. — Type age: Eocene (Bartonian). *Odontostomia* (*Brachyostomia*) *praenominata* Cossmann, 1921 (Cossmann 1921: 244), replacement name. All preoccupy *O. bulimoides* Souverbie, 1865, and *O. bulimoides* Brognone, 1873; the latter was renamed *O. bulimulus* Monterosato, 1874. — Current status: *Brachyostomia praenominata* (Cossmann, 1921) (Pacaud herein).

*calvimontana*, *Pyramidella* – Deshayes, 1861-*DescrCoqFoss*: 21, pl. 21, figs 32-34; 1862-*DescrCoqFoss*: 582-583. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32466, syntypes. — Current status: *Pyramidella calvimontana* Deshayes, 1861 (Le Renard & Pacaud 1995: 109; Pacaud 2008: 73).

*clandestina*, *Pyramidella* – Deshayes, 1861-*DescrCoqFoss*: 21, pl. 21, figs 37-38; 1862-*DescrCoqFoss*: 585. — Type locality: Aizy-Jouy. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32469, syntypes. — Type species (OD) of *Diptychus*

Cossmann, 1888, *non* Steindacher, 1866 [Pices]. *Cossmannica* Dall & Bartsch, 1904, replacement name. — Current status: *Tiberia* (*Cossmannica*) *clandestina* (Deshayes, 1861) (Le Renard & Pacaud 1995: 90).

*compta*, *Turbonilla* – Deshayes, 1861-*DescrCoqFoss*: 23, pl. 23, figs 26-27 [20 November]; 1862-*DescrCoqFoss*: 565, *non* A. Adams, 1861 [April]. — Type localities: Verneuill & Auvers-sur-Oise. — Type age: Eocene (Bartonian). Synonym of *Turbonilla obliquata* Deshayes, 1861 (Cossmann 1888: 109; Le Renard 1994: 40). — Current status: *Levipygulina obliquata* (Deshayes, 1861) (Le Renard & Pacaud 1995: 92).

*curtum*, *Odostomia* – Deshayes, 1861-*DescrCoqFoss*: 19, pl. 19, figs 9-11; 1862-*DescrCoqFoss*: 551-552. — Type locality: Ormoy-la-Rivière. — Type age: Oligocene (Rupelian). — Current status: *Brachyostomia curta* (Deshayes, 1861) (Lozouet & Maestrati 2012a: 294-295, fig. 191: 15-16, as “1864”).

*eburnea*, *Pyramidella* – Deshayes, 1861-*DescrCoqFoss*: 21, pl. 21, figs 26-27; 1862-*DescrCoqFoss*: 585-586, *non* da Costa, 1846. — Type localities: Parnes, Thiverval-Grignon, Chaussy, Hérouval, Damery & Boursault. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32464, syntypes from Thiverval-Grignon. — Current status: *Tiberia* (*Cossmannica*) *agassizi* Le Renard, 1994 (Le Renard 1994: 39), replacement name (Le Renard & Pacaud 1995: 90; Pacaud 2008: 73).

*fragilis*, *Turbonilla* – Deshayes, 1861-*DescrCoqFoss*: 20, pl. 20, figs 11-12; 1862-*DescrCoqFoss*: 570, *non* A. Adams, 1860. — Type localities: Thiverval-Grignon, Parnes, Damery, Mouchy-le-Châtel & Saint-Félix. — Type age: Eocene (Lutetian). — Current status: *Eulimella* (*Belonidium*) *rouaulti* Le Renard, 1994 (Le Renard 1994: 39), replacement name (Le Renard & Pacaud 1995: 91; Pacaud 2008: 74). If a subgenus is desirable, *Anisocycla* would have to be used because *Belonidium* was an unnecessary replacement name.

*gracilis*, *Aciculina* – Deshayes, 1861-*DescrCoqFoss*: 25, pl. 25, figs 23-24 [in text as figs 24-25]; 1862-*DescrCoqFoss*: 531-532, *non* A. *gracilis* (Jeffreys, 1847) [*Eulimella*]; 1865-*DescrCoqFoss*: 666 [error corrected]. — Type locality: Chaussy. — Type age: Eocene (Lutetian). — Type species (typification of the generic replacement name *Belonidium* Cossmann, 1893) of *Anisocycla* Monterosato, 1880. *Eulimella* (*Belonidium*) *gracilis* (Deshayes, 1861) (Le Renard & Pacaud 1995: 91; Pacaud 2008: 74). If a subgenus is desirable, *Anisocycla* would have to be used because *Belonidium* was an unnecessary replacement name. — Current status: *Eulimella* (*Anisocycla*) *acucula* Pacaud, n. name (replacement name herein): from Latin, little needle; name given in apposition

*gravesi*, *Odostomia* – Deshayes, 1861-*DescrCoqFoss*: 19, pl. 19, figs 29-30; 1862-*DescrCoqFoss*: 562. — Type localities: Abbecourt, Châlons-sur-Vesle & Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Current status: *Odostomia* (*Megastomia*) *gravesi* Deshayes, 1861 (Pacaud 2008: 73).

*heberti*, *Turbonilla* – Deshayes, 1861-*DescrCoqFoss*: 21, pl. 21, figs 11-13; 1862-*DescrCoqFoss*: 566. — Type locality: Jeurre. — Type age: Oligocene (Rupelian). — Type material: MNHN.F.J04133, syntype. — Current status: *Turbonilla heberti* Deshayes, 1861 (Lozouet & Maestrati 2012a: 294-295, fig. 191: 12, as “1862”).

*imbricataria*, *Turbonilla* – Deshayes, 1861-*DescrCoqFoss*: 21, pl. 21, figs 16-17; 1862-*DescrCoqFoss*: 576. — Type localities: Jeurre, Étrechy & Versailles. — Type age: Oligocene (Rupelian). — Current status: *Eulimella imbricataria* (Deshayes, 1861) (Lozouet & Maestrati 2012b: 33).

*inaspecta*, *Pyramidella* – Deshayes, 1862-DescrCoqFoss: 584-585, 27, pl. 27, figs 11-13. — Type localities: Le Guépelle, Ver-sur-Launette, Lisy-sur-Ourcq & Chéry-Chartreuve. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32496, syntype from Le Guépelle. — Current status: *Pyramidella inaspecta* Deshayes, 1862 (Le Renard & Pacaud 1995: 90).

*inornata*, *Turritella* – Deshayes, 1861-DescrCoqFoss: 322, 14, pl. 14, figs 16-17. — Type locality: Caumont. — Type age: Eocene (Bartonian). Preoccupies *Turritella inornata* Terquem & Piette, 1868. (The earlier *Turritella inornata* Terquem, 1852, was a *nomen nudum*). — Current status: *Eulimella (Eulimella) inornata* (Deshayes, 1861) (Le Renard & Pacaud 1995: 91).

*intermedium*, *Odostomia* – Deshayes, 1861-DescrCoqFoss: 19, pl. 19, figs 37-38; 1862-DescrCoqFoss: 558. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Odostomia (Megastomia) intermedium* Deshayes, 1861 (Le Renard & Pacaud 1995: 91).

*lignitarum*, *Odostomia* – Deshayes, 1861-DescrCoqFoss: 19, pl. 19, figs 35-36; 1862-DescrCoqFoss: 557. — Type localities: Rilly-la-Montagne, Vely & Mercin-et-Vaux. — Type age: Eocene (Ypresian). — Current status: *Odostomia (Megastomia) lignitarum* Deshayes, 1861 (Le Renard & Pacaud 1995: 91; Jeffery & Tracey 1997: 84, 101, pl. 13, fig. 2).

*lubricum*, *Odostomia* – Deshayes, 1861-DescrCoqFoss: 19, pl. 19, figs 27-28; 1862-DescrCoqFoss: 553. — Type localities: Thiverval-Grignon, Montmirail, Damery & Saint-Félix. — Type age: Eocene (Lutetian). — Current status: *Odostomia (Brachystomia) lubrica* Deshayes, 1861 (Le Renard & Pacaud 1995: 91; Pacaud 2008: 73).

*media*, *Odostomia* – Deshayes, 1861-DescrCoqFoss: 19, pl. 19, figs 17-19; 1862-DescrCoqFoss: 559, as *O. "medianum"*. — Type localities: Caumont, Ver-sur-Launette & La Chapelle-en-Serval. — Type age: Eocene (Bartonian). — Current status: *Odostomia (Megastomia) media* Deshayes, 1861 (Pacaud 2008: 73).

*microstoma*, *Turbonilla* – Deshayes, 1862-DescrCoqFoss: 577-578, 27, pl. 27, figs 5-6. — Type localities: Abbécourt, Hérouval, Mercin-et-Vaux & Vregny; Paléocène-Eocene (Thanetian-Ypresian-Lutetian). — Type material: UCBL-EM 32495, syntype from Hérouval. — Current status: *Syrnola (Syrnola) microstoma* (Deshayes, 1862) (Le Renard & Pacaud 1995: 90; Pacaud 2008: 73).

*miliaris*, *Auricula* – Deshayes, 1824-DescrCoqFoss: 69-70, 4, pl. 8, figs 8-9; 1862-DescrCoqFoss: 552, as *Odostomia*. — Type locality: Versailles. — Type age: Oligocene (Rupelian). — Current status: *Brachystomia miliaris* (Deshayes, 1824) (Lozouet & Maestrati 2012a: 294-295, fig. 191: 8-9).

*minor*, *Odostomia* – Deshayes, 1861-DescrCoqFoss: 19, pl. 19, figs 25-26; 1862-DescrCoqFoss: 556. — Type locality: Caumont. — Type age: Eocene (Bartonian). — Current status: *Odostomia (Megastomia) minor* Deshayes, 1861 (Le Renard & Pacaud 1995: 91).

*misera*, *Pyramidella* – Deshayes, 1861-DescrCoqFoss: 21, pl. 21, figs 35-36; 1862-DescrCoqFoss: 586. — Type locality: Caumont. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32468, syntypes. — Current status: *Tiberia (Cossmannica) misera* (Deshayes, 1861) (Le Renard & Pacaud 1995: 90).

*modestum*, *Odostomia* – Deshayes, 1861-DescrCoqFoss: 25, as *O. modesta*, pl. 25, figs 28-29 [in text as figs 29-30 in error]; 1862-DescrCoqFoss: 559. 1865-DescrCoqFoss: 666 [corrections made]. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Odostomia (Odostomia) modesta* Deshayes, 1861 (Le Renard & Pacaud 1995: 91; Pacaud 2008: 73).

*nanum*, *Odostomia* – Deshayes, 1861-DescrCoqFoss: 21, pl. 21, figs 3-4; 1862-DescrCoqFoss: 557-558, *non* A. Adams, 1860. — Type locality: Mercin-et-Vaux. — Type age: Eocene (Ypresian). — Current status: *Odostomia (Brachystomia) coqueberti* Le Renard, 1994 (Le Renard 1994: 38), replacement name (Le Renard & Pacaud 1995: 91).

*notata*, *Turbonilla* – Deshayes, 1862-DescrCoqFoss: 568, 27, pl. 27, figs 7-8. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Levipyrngulina notata* (Deshayes, 1862) (Le Renard & Pacaud 1995: 92, as “1861”).

*obesula*, *Turbonilla* – Deshayes, 1862-DescrCoqFoss: 572, 27, pl. 27, figs 9-10. — Type localities: Laversine, Vregny & Mercin-et-Vaux. — Type age: Eocene (Ypresian). — Current status: *Syrnola ? obesula* (Deshayes, 1862) (Le Renard & Pacaud 1995: 90).

*obesulum*, *Odostomia* – Deshayes, 1861-DescrCoqFoss: 19, pl. 19, figs 1-3; 1862-DescrCoqFoss: 552, *non* A. Adams, 1860. — Type localities: Jeurre, Étrechy & Morigny-Champigny. — Type age: Oligocene (Rupelian). — Current status: synonym of *Brachystomia miliaris* (Deshayes, 1824) (Pacaud herein).

*obliquata*, *Turbonilla* – Deshayes, 1861-DescrCoqFoss: 21, pl. 21, figs 24-25; 1862-DescrCoqFoss: 565-566. — Type locality: Caumont. — Type age: Eocene (Bartonian). — Current status: *Levipyrngulina obliquata* (Deshayes, 1861) (Le Renard & Pacaud 1995: 92).

*oblita*, *Turbonilla* – Deshayes, 1861-DescrCoqFoss: 20, pl. 20, figs 18-19; 1862-DescrCoqFoss: 578-579. — Type locality: Hérouval. — Type age: Eocene (Ypresian). — Current status: *Odostomia (Megastomia) oblita* (Deshayes, 1861) (Le Renard & Pacaud 1995: 91).

*parva*, *Turbonilla* – Deshayes, 1861-DescrCoqFoss: 20, pl. 20, figs 22-23; 1862-DescrCoqFoss: 572-573. — Type localities: Thiverval-Grignon, Mouchy-le-Châtel, Damery, Montmirail & Caumont. — Type age: Eocene (Lutetian-Bartonian). — Type material: UCBL-EM 32462, syntype from Caumont. — Current status: *Syrnola (Puposyrnola) parva* (Deshayes, 1861) (Le Renard & Pacaud 1995: 90; Pacaud 2008: 73).

*plicatula*, *Turbonilla* – Deshayes, 1850-TraitElem: 48, pl. 77, figs 1-3, *non Turbonilla plicatula* (Brocchi, 1814) [*Turbo*],  *nec Turbonilla plicatula* Risso, 1826 (P. LaFollette, pers. comm., May 8, 2020). — Type locality: none given. — Type age: not stated. UCBL-EM 32124, syntype. — Current status: *taxon inquirendum*.

*plicatum*, *Odostomia* – Deshayes, 1861-DescrCoqFoss: 19, pl. 19, figs 4-6; 1862-DescrCoqFoss: 554-555. — Type localities: Jeurre, Morigny-Champigny & Étrechy. — Type age: Oligocene (Rupelian). — Current status: *Colpostomia plicatula* (Deshayes, 1861) (Lozouet & Maestrati 2012a: 294-295, fig. 191: 17-18; Marquet *et al.* 2016: 79).

*polygyrata*, *Aciculina* – Deshayes, 1861-DescrCoqFoss: 532-533, 25, pl. 25, figs 32-33 [in text as figs 33-34]. — Type localities: Mouchy-le-Châtel, Hermonville, Ver-sur-Launette & Le Guépelle. — Type age: Eocene (Lutetian-Bartonian). 1865-DescrCoqFoss: 666 [error corrected]. — Current status: *Eulimella “(Belonidium)” polygyrata* (Deshayes, 1861) (Le Renard & Pacaud 1995: 91; Pacaud 2008: 74). If a subgenus is desirable, *Anisocycla* would have to be used because *Belonidium* was an unnecessary replacement name.

*polygyrata*, *Turbonilla* – Deshayes, 1861-DescrCoqFoss: 21, pl. 21, figs 7-8; 1862-DescrCoqFoss: 578. — Type localities: Aizy-Jouy, Laversine, Mercin-et-Vaux & Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Syrnola (Syrnola) polygyrata* (Deshayes, 1861) (Le Renard & Pacaud 1995: 90).



*praelonga*, *Turbonilla* – Deshayes, 1862-*DescrCoqFoss*: 577, 27, pl. 27, figs 17-18. — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Syrnola* (*Syrnola*) *praelonga* (Deshayes, 1862) (Pacaud 2008: 73, as “1861”).

*primaevum*, *Odostomia* – Deshayes, 1861-*DescrCoqFoss*: 19, pl. 19, figs 31-32; 1862-*DescrCoqFoss*: 556-557. — Type locality: Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). *Odostomia* (?*Odostomia*) *primaeva* Deshayes, 1861 (Le Renard & Pacaud 1995: 91 – Current status: *Odostomia primaeva* Deshayes, 1861 (Leroy et al. 2014: 269, pl. 29, fig. 5).

*pulchra*, *Turbonilla* – Deshayes, 1861-*DescrCoqFoss*: 20, pl. 20, figs 24-25; 1862-*DescrCoqFoss*: 567. — Type locality: Chaussy. — Type age: Eocene (Lutetian). — Current status: *Turbonilla pulchra* Deshayes, 1861 (Le Renard & Pacaud 1995: 92; Pacaud 2008: 73).

*pyramidata*, *Tornatella* – Deshayes, 1833b: 232, “pl. 7, figs 29-31”, *nomen nudum*; 1835b: 154, pl. 24, figs 29-31; 1843-*HistNatAnim2*: 51; 1843-*HistNatAnim3*: 520. — Type locality: Peloponnese Peninsula, Greece. — Type age: Subapennine Formation, Pliocene. — Type material: MNHN.F.A86258, syntypes. — Type species (OD) of *Ptycheulimella* Sacco, 1892, a synonym of *Eulimella* Forbes & M’Andrew, 1846. — Current status: *Eulimella pyramidata* (Deshayes, 1835) (Bellagamba & Micali 2016: 147, fig. 5E, F).

*pyramidellatum*, *Odostomia* – Deshayes, 1861-*DescrCoqFoss*: 19, pl. 19, figs 20-22; 1862-*DescrCoqFoss*: 560. — Type localities: Parnes & Damery. — Type age: Eocene (Lutetian). — Current status: *Odostomia* (*Megastomia*) *pyramidellata* Deshayes, 1861 (Le Renard & Pacaud 1995: 91; Pacaud 2008: 73).

*pyramis*, *Odostomia* – Deshayes, 1861-*DescrCoqFoss*: 18, pl. 18, figs 7-8; 1862-*DescrCoqFoss*: 560, *non* A. Adams, 1860. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Current status: *Odostomia* (*Megastomia*) *wetherelli* Le Renard, 1994 (Le Renard 1994: 38), replacement name (Le Renard & Pacaud 1995: 91; Pacaud 2008: 73).

*rosea*, *Rissoa* – Deshayes, 1863: 61-62, pl. 7, fig. 29. — Type locality: La Réunion. — Type age: Recent. — Type material: lost (Faber & Gori 2016: 98). — Current status: *Rissoina* (*Rissoina*) *rosea* (Deshayes, 1863) (Severns 2011: 118, pl. 43, fig. 4; Hasegawa, in Okutani 2017: 807, pl. 74, fig. 1, as “1862”). More likely to be a member of the *Pyramidellidae* (Faber & Gori 2016: 98, based on advice from M. Lavaley and P. Lafollette, genus uncertain).

*sandbergeri*, *Turbonilla* – Deshayes, 1861-*DescrCoqFoss*: 21, pl. 21, figs 14-15; 1862-*DescrCoqFoss*: 573, *non* Bosquet, 1859. — Type locality: Jeurre & Étrechy. — Type age: Oligocene (Rupelian). — Current status: synonym of *Eulimella* (*Eulimella*) *nystii* (d’Orbigny, 1852) (Pacaud herein).

*scalaroides*, *Turbonilla* – Deshayes, 1861-*DescrCoqFoss*: 21, pl. 21, figs 9-10; 1862-*DescrCoqFoss*: 568. Ormoy-la-Rivière. — Type age: Oligocene (Rupelian). — Current status: *Turbonilla scalaroides* (Lozouet et al. 2012: 432-433, fig. 290: 13-14; Lozouet & Maestrati 2012b: 33).

*speciosa*, *Pyramidella* – Deshayes, 1861-*DescrCoqFoss*: 21, as *Pyramidella* “*pusilla*”, pl. 21, figs 28-29; 1862-*DescrCoqFoss*: 586; 1865-*DescrCoqFoss*: 666 [error corrected]. — Type localities: Parnes & Chaussy. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32465, syntype from Chaussy. — Current status: *Tiberia* (*Cossmannica*) *speciosa* (Deshayes, 1861) (Le Renard & Pacaud 1995: 90; Pacaud 2008: 73).

*spiculum*, *Turbonilla* – Deshayes, 1861-*DescrCoqFoss*: 21, pl. 21, figs 1-2; 1862-*DescrCoqFoss*: 575-576. — Type locality: Vregny. — Type age: Eocene (Ypresian). — Current status: *Syrnola* (*Syrnola*) *spiculum* (Deshayes, 1861) (Pacaud 2008: 73).

*spina*, *Auricula* – Deshayes, 1824-*DescrCoqFoss*: 71-72, 4, pl. 8, figs 10-11; 1862-*DescrCoqFoss*: 576, as *Turbonilla*. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Current status: *Syrnola* (*Syrnola*) *spina* (Deshayes, 1824) (Le Renard & Pacaud 1995: 90; Jeffery & Tracey 1997: 84; Pacaud 2008: 73, 102, pl. 13, fig. 10).

*submarginata*, *Turbonilla* – Deshayes, 1861-*DescrCoqFoss*: 20, pl. 20, figs 15-17; 1862-*DescrCoqFoss*: 569-570. — Type locality: Parnes. — Type age: Eocene (Lutetian) – Current status: *Turbonilla submarginata* Deshayes, 1861 (Le Renard & Pacaud 1995: 92; Pacaud 2008: 73).

*subvaricosum*, *Odostomia* – Deshayes, 1861-*DescrCoqFoss*: 19, pl. 19, figs 23-24; 1862-*DescrCoqFoss*: 561. — Type localities: Parnes & Cambors. — Type age: Eocene (Lutetian). — Current status: *Odostomia* (*Megastomia*) *subvaricosa* Deshayes, 1861 (Pacaud 2008: 73).

*tenuiplica*, *Melania* – Deshayes, 1825-*DescrCoqFoss*: 111-112, 7 [as *M. “plicatula”*], pl. 13, figs 20-21; 1837-*DescrCoqFoss*: 812, 813, species name intended to be spelled *tenuiplicata*; 1832-*EncyMeth*: 430; 1862-*DescrCoqFoss*: 569, 27, pl. 27, figs 19-20, as *Turbonilla tenuiplicata*. — Type locality: Pierrelaye. — Type age: Oligocene (Rupelian). Despite his desire, Deshayes’ original spelling has to take precedence. — Current status: *Colpostomia plicatula* (Deshayes, 1825) (Lozouet & Maestrati 2012a: 294-295, fig. 191: 17-18, as “1864”).

*tortilis*, *Odostomia* – Deshayes, 1861-*DescrCoqFoss*: 19, pl. 19, figs 33-34; 1862-*DescrCoqFoss*: 555-556. — Type locality: Hérouval. — Type age: Eocene (Ypresian). — Type species (OD) of *Sinustomia* Cossmann, 1921. — Current status: *Odostomia* (*Sinustomia*) *tortilis* Deshayes, 1861 (Le Renard & Pacaud 1995: 91).

*turbonilloides*, *Odostomia* – Deshayes, 1861-*DescrCoqFoss*: 19, pl. 19, figs 12-14; 1862-*DescrCoqFoss*: 561-562. — Type localities: Cuise-la-Motte, Brasles, Thiverval-Grignon, Parnes, Chaussy & Chambors. — Type age: Eocene (Ypresian-Lutetian). — Current status: *Odostomia* (*Odostomia*) *turbonilloides* Deshayes, 1861 (Le Renard & Pacaud 1995: 91; Pacaud 2008: 73).

*turritellatum*, *Odostomia* – Deshayes, 1862-*DescrCoqFoss*: 562-563, 27, pl. 27, figs 27-29. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Type material: MNHN.F.A27138, syntype. — Current status: synonym of *Syrnola obesula* (Deshayes, 1862) (Pacaud herein).

*umblicata*, *Pyramidella* – Deshayes, 1861-*DescrCoqFoss*: 21, pl. 21, figs 30-31; 1862-*DescrCoqFoss*: 587. — Type locality: Hérouval. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32467, syntype. — Current status: *Tiberia* (*Orinella*) *umblicata* (Deshayes, 1861) (Le Renard & Pacaud 1995: 90).

*turrella*, *Turbonilla* – Deshayes, 1861-*DescrCoqFoss*: 20, pl. 20, figs 20-21; 1862-*DescrCoqFoss*: 566-567. Made available by Melleville (1843: 98-99 [52-53, 84], pl. 4, figs 26-27), as *Pyramidella turrella*. — Type localities: Laon & Chavaille. — Type age: Eocene (Ypresian). — Current status: *Turbonilla turrella* Melleville, 1843.

#### Family LYMNAEIDAE Rafinesque, 1815

*Limnaea* is an incorrect subsequent spelling of *Lymnaea* Lamarck, 1799, which first originated with Blainville (1824).

*arenularia*, *Lymnaea* – Deshayes, 1825-*DescrCoqFoss*: 93-94, pl. 11, figs 7-8. — Type localities: Beauchamp & Valmondois. — Type age: Eocene (Bartonian). This species originated from the vernacular “Lymnée des grès” in Brard (1810: 409-410, pl. 24, figs 5-6). Deshayes also

cited fig. 7 in Brard, but that is now *Lymneus helveticus* Brard, 1810 (Brard 1810: 410). *Lymnaea arenularia* Deshayes, 1825 (Wenz 1923: 1207, as “1824”; Le Renard & Pacaud 1995: 129). — Current status: synonym of *Lymnaea antiqua* Brongniart, 1810 (Pacaud 2007: 50).

*bervillii*, *Limnaea* – Deshayes, 1863-DescrCoqFoss: 717-718, 44, pl. 44, figs 19-21. — Type localities: Passy (Paris) & Chéry-Chartreuve. — Type age: Eocene (Bartonian). — Type material: MNHN.F.J04171, MNHN.F.A70311, syntypes. — Current status: *Lymnaea bervillii* Deshayes, 1863 (Wenz, 1923: 1209; Le Renard & Pacaud 1995: 129; Pacaud 2008: 76).

*brardi*, *Limnaea* – Deshayes, 1863-DescrCoqFoss: 715-716, 43, pl. 43, figs 8-9. — Type locality: Pontournoy. — Type age: Miocene. — Type material: UCBL-EM 32580, syntypes. *Lymnaea brardi* Deshayes, 1863 (Wenz 1923: 1210).

*briariensis*, *Limnaea* – Deshayes, 1863-DescrCoqFoss: 713, 45, as *Limnaea briariensis*, pl. 45, figs 11-14. — Type locality: Romainville. — Type age: Oligocene (Rupelian). — Current status: *Radix briariensis* (Deshayes, 1863) (Wenz 1923: 1238).

*brongniarti*, *Limnaea* – Deshayes, 1863-DescrCoqFoss: 721, 42, pl. 42, figs 29-30. — Type localities: Montmorency, Saint-Prix, Evèquemont, Pontournois Oligocene (Chatian). — Type material: MNHN.F.B68569, syntype (Brongniart coll.) from Montmorency; MNHN.F.J03342, syntype (Brongniart coll.) from Saint-Prix; MNHN.F.J03343, syntype (Hébert coll.) from Evèquemont; UCBL-EM 32572, syntype (Deshayes coll.) from Montmorency. — Current status: *Galba brongniarti* (Deshayes, 1863) (Wenz 1923: 1357).

*condita*, *Limnaea* – Deshayes, 1863-DescrCoqFoss: 710-711, 43, pl. 43, figs 10-12. — Type locality: Cernay-la-Ville. — Type age: Eocene (Rupelian). — Type material: UCBL-EM 32573, syntype. Synonym of *Radix subovata* (Zieten, 1830) (Wenz 1923: 1294), now placed in *Stagnicola* (Kadolsky, 2020). — Current status: synonym of *Stagnicola subovata* Zieten, 1832 [*Limneus*] (MolluscaBase).

*crassula*, *Limnaea* – Deshayes, 1863-DescrCoqFoss: 711, 44, pl. 44, figs 27-33. — Type locality: Chéry-Chartreuve. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32581 & 32582, syntypes. — Current status: *Lymnaea crassula* Deshayes, 1863 (Wenz 1923: 1212; Le Renard & Pacaud 1995: 129).

*davidii*, *Limnea* – Deshayes, 1870b: 26-27. — Type locality: Moupin, Tibet. — Type age: Recent. — Current status: synonym of *Orientalgalba ollula* (Gould, 1859) [*Limnaea*] (MolluscaBase).

*denainvilliersi*, *Limnaea* – Deshayes, 1863-DescrCoqFoss: 728, 43, pl. 43, figs 4-7. — Type localities: Le Monceau & Pontournois. — Type age: Miocene (Aquitania). *Galba subpalustris* [Thomae, 1845] *denainvilliersi* (Deshayes, 1863) (Wenz 1923: 1403). — Current status: *Stagnicola denainvilliersi* (Deshayes, 1863) (Mandic *et al.* 2020: 530).

*duchasteli*, *Limnaea* – Deshayes, 1863-DescrCoqFoss: 725-726, 44, pl. 44, figs 16-18. — Type locality: La Ferme de l’Orme. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32577, holotype. — Current status: *Galba duchasteli* (Deshayes, 1863) (Wenz 1923: 1365; Le Renard & Pacaud 1995: 129; Pacaud 2008: 76).

*elata*, *Limnaea* – Deshayes, 1863-DescrCoqFoss: 724, 44, pl. 44, figs 22-24. — Type locality: Passy (Paris). — Type age: Eocene (Lutetian). — Current status: *Galba elata* (Deshayes, 1863) (Wenz 1923: 1366; Le Renard & Pacaud 1995: 129; Pacaud 2008: 76).

*haldemani*, *Limnaea* – Deshayes, in Binney, 1867 (Binney 1867: 428). — Type locality: Vermont, U.S.A. — Type age: Recent. Replacement name for *Lymnaea gracilis* J. C. Jay, 1839, non Zieten, 1832. Jay’s taxon is the type species (M) of *Acella Haldeman*, 1841. Binney received this suggestion in correspondence from Deshayes,

whose help was acknowledged (p. 427). — Current status: *Acella haldemani* (Deshayes, in Binney, 1867) (Anonymous 1933).

*heberti*, *Limnaea* – Deshayes, 1863-DescrCoqFoss: 729, 45, pl. 45, figs 15-16. — Type locality: Romainville. — Type age: Oligocene (Rupelian). — Current status: *Radix heberti* (Deshayes, 1863) (Wenz 1923: 1250).

*inconspicua*, *Limnaea* – Deshayes, 1863-DescrCoqFoss: 720, 45, pl. 45, figs 5-6. — Type localities: Saint-Ouen, Batignolles, La Villette, Place de l’Europe (Paris) & Bois de Varinfroy. — Type age: Eocene (Bartonian). — Type material: MNHN.F.J04181, syntype. — Current status: *Galba inconspicua* (Deshayes, 1863) (Wenz 1923: 1370; Le Renard & Pacaud 1995: 129).

*lessoni*, *Limnea* – Deshayes, 1831c: [1], pl. 16; 1832-EncyMeth: 358; 1838-HistNatAnim2: 417; 1843-HistNatAnim3: 418 as *Lymnaea*. — Type locality: Australia; Lesson. — Type age: Recent. — Type species (OD) of *Peplimnea* Iredale, 1943, which is regarded as a synonym of *Austropeplea* Cotton, 1942. — Current status: *Austropeplea lessoni* (Deshayes, 1831) (Puslednik *et al.* 2009; Aksenova *et al.* 2018: 12).

*lignitarum*, *Limnaea* – Deshayes, 1863-DescrCoqFoss: 726, 44, pl. 44, figs 13-15. — Type localities: Mont-Bernon (Épernay), Rilly-la-Montagne & Vély. — Type age: Paleocene (Ypresian). — Type material: UCBL-EM 32576, syntype from Mont-Bernon. — Current status: *Galba lignitarum* (Deshayes, 1863) (Wenz 1923: 1371; Le Renard & Pacaud 1995: 129).

*melaniana*, *Limnaea* – Deshayes, 1863-DescrCoqFoss: 727-428, 43, pl. 43, figs 18-20 [in text as figs 20-22]. — Type locality: Étampes. — Type age: Oligocene (Rupelian). 1865-DescrCoqFoss: 666 [correction noted]. MNHN.F.J04177, holotype. — Current status: *Galba melaniana* (Deshayes, 1863) (Wenz 1923: 1390).

*michelini*, *Limnaea* – Deshayes, 1863-DescrCoqFoss: 718, 45, pl. 45, figs 9-10. — Type localities: Côte Saint-Parres (Saint-Nicolas-la-Chapelle), Les Eparmaillies & Morancez. — Type age: Eocene (Lutetian). — Type material: MNHN.F.J03338, syntype. *Galba aquensis* [Matheron, 1843] *michelini* (Deshayes, 1863) (Wenz 1923: 1347; Le Renard & Pacaud 1995: 129). — Current status: *Galba michelini* (Deshayes, 1863) (Pacaud 2008: 76).

*noueli*, *Limnaea* – Deshayes, 1863-DescrCoqFoss: 705-706, 45, pl. 45, figs 1-2. — Type localities: La Chapelle-Saint-Mesmin, Pontournoy & Villeromain. — Type age: Oligocene (Rupelian). — Type material: MNHN.F.J03340, 6 syntypes (Hébert coll.) from Villeromain; MNHN.F.J03341, 9 syntypes (Hébert coll.) from Pontournoy; UCBL-EM 32583, syntype from La Chapelle-Saint-Mesmin. — Current status: synonym of *Stagnicola subovatus* (Zieten, 1832) [*Limnaea*] (Wenz 1923: 1230).

*obtusissima*, *Limnaea* – Deshayes, 1838a: 63-64, [ii], pl. 5, figs 10-11. — Type locality: Crimean Peninsula. — Type age: Miocene or Pliocene. — Current status: *Radix obtusissima* (Deshayes, 1838) (Wenz 1923: 1256).

*opima*, *Limnaea* – Deshayes, 1863-DescrCoqFoss: 709, 43, pl. 43, figs 16-17. — Type locality: Fontainebleau. — Type age: Oligocene (Rupelian). — Current status: synonym of *Stagnicola subovatus* Zieten, 1832 [*Limneus*] (Wenz 1923: 1294).

*parvula*, *Limnaea* – Deshayes, 1863-DescrCoqFoss: 727, 43, pl. 43, figs 25-27 [in text as figs 28-30], non *Limnaeus parvulus* Braun, in Walchner, 1851; 1865-DescrCoqFoss: 666 [correction noted]. — Type locality: Segrais, near Pithiviers. — Type age: Miocene (Aquitania). Preoccupies *Limnaea parvula* Hazay, 1880, a synonym of *Stagnicola palustris* (O. F. Müller, 1774) [*Buccinum*]. — Current status: synonym of *Galba* (*Galba*) *subpalustris* [Thomae, 1845] *minor* (Thomae, 1845) [*Limnaeus*] (Wenz 1923: 1403).



*peregrina*, *Limnaea* – Deshayes, 1838a: 63, [ii], pl. 5, figs 8-9. — Type locality: Crimean Peninsula. — Type age: Miocene. Preoccupies *L. peregrina* Clessin, 1882, a synonym of *L. columella* Say, 1817. — Current status: *Lymnaea peregrina* Deshayes, 1838 (Wenz 1923: 1223).

*stampinensis*, *Limnaea* – Deshayes, 1863-DescrCoqFoss: 710, pl. 43, figs 21–22. — Type locality: Côte-Saint Martin (Étampes). — Type age: Oligocene (Rupelian). — Current status: synonym of *Stagnicola subovatus* Zieten, 1832 [*Limneus*] (Wenz 1923: 1294).

*substriata*, *Lymnaea* – Deshayes, 1824-DescrCoqFoss: 6, pl. 11, figs 5-6; 1825-DescrCoqFoss: 94; 1832-EncyMeth: 358, as *Limnea* [sic]; 1838-HistNatAnim2: 421; 1843-HistNatAnim3: 419. — Type locality: La Chapelle-en-Serval. — Type age: Eocene (Bartonian). *Radix substriata* (Deshayes, 1824) (Wenz 1923: 1311). — Current status: synonym of *Lymnaea antiqua* Brongniart, 1810 [*Limneus palustris*] (Pacaud 2007: 50).

*succinea*, *Limnea* [sic] – Deshayes, 1832b: 418-419, 440, 523, pl. 2, figs 13-14; 1838-HistNatAnim2: 417; 1843-HistNatAnim3: 418. — Type locality: Malabar, India, freshwater; Bélanger. — Type age: Recent. — Current status: synonym of *Racesina luteola* (Lamarck, 1822) [*Lymnaea*], the type species (OD) of *Racesina* Vinarski & Bolotov, 2018 (MolluscaBase).

*tombecki*, *Limnaea* – Deshayes, 1863-DescrCoqFoss: 711-712, 42, as *L. tumbecki*, pl. 42, figs 26-28. — Type localities: Montmorency & Evêquemont. — Type age: Oligocene (Rupelian). — Type material: MNHN.F.J03339, syntype. — Current status: *Lymnaea tombecki* Deshayes, 1863 (Wenz 1923: 1227).

*velutina*, *Limnaea* – Deshayes, 1838a: 64, [ii], pl. 5, figs 12-14. — Type locality: Crimean Peninsula. — Type age: Miocene. — Type species (SD Wenz, 1923) of *Velutinopsis* Sandberger, 1875. — Current status: *Velutinopsis velutina* (Deshayes, 1838) (Botka et al. 2019: 226-228, fig. 31).

*vesiculosa*, *Limnaea* – Deshayes, 1863-DescrCoqFoss: 706-707, 42, pl. 42, fig. 31. — Type locality: Montmorency. — Type age: Oligocene (Rupelian). — Current status: *Radix vesiculosa* (Deshayes, 1863) (Wenz 1923: 1313).

#### Family ACROLOXIDAE Thiele, 1931

*dutemplei*, *Ancylus* – Deshayes, 1863-DescrCoqFoss: 700, 42, pl. 42, figs 19-21. — Type locality: Boursault. — Type age: Eocene (Lutetian). — Current status: *Acroloxus dutemplei* (Deshayes, 1863) (Le Renard & Pacaud 1995: 129; Pacaud 2008: 76).

#### Family BULINIDAE P. Fischer & Crosse, 1880

*columnaris*, *Physa* – Deshayes, 1824-DescrCoqFoss: 5, pl. 10, figs 11-12; 1825-DescrCoqFoss: 90; 1828-DictClass13: 470-471; 1838-HistNatAnim2: 404; 1843-HistNatAnim3: 413; 1863-DescrCoqFoss: 731. — Type locality: Épernay. — Type age: Eocene (Ypresian). — Type species (OD) of *Macrophysa* Dall, 1870, ex Meek ms. — Current status: *Macrophysa columnaris* (Deshayes, 1824) (Le Renard & Pacaud 1995: 129; Pacaud 2022c: 3, pl. 1, fig. 5).

#### Family PHYSIDAE Fitzinger, 1833

*heberti*, *Physa* – Deshayes, 1863-DescrCoqFoss: 733-734, 44, pl. 44, figs 9-10. — Type locality: Passy-sur-Marne. — Type age: Eocene

(Ypresian). — Type material: MNHN.F.J05732, holotype. — Current status: *Aplexa heberti* (Deshayes, 1863) (Wenz 1923: 1712; Le Renard & Pacaud 1995: 129; Leroy et al. 2014: 26, pl. 30, fig. 1; Pacaud 2022c: 3, pl. 1, fig. 6).

*lamberti*, *Physa* – Deshayes, 1863-DescrCoqFoss: 734, 44, pl. 44, figs 7-8. — Type localities: Sinceny & Dieppe. — Type age: Eocene (Ypresian). — Current status: synonym of *Aplexa pulchella* (d'Orbigny, 1850) [*Physa*] (Wenz 1923: 1718; Pacaud 2007: 52; Pacaud 2022c: 11).

*primigenia*, *Physa* – Deshayes, 1863-DescrCoqFoss: 733, 44, pl. 44, figs 11-12. — Type localities: Châlons-sur-Vesle & Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32575, syntype from Châlons-sur-Vesle. — Current status: *Aplexa primigenia* (Deshayes, 1863) (Wenz 1923: 1715; Le Renard & Pacaud 1995: 129).

#### Family PLANORBIDAE Rafinesque, 1815

*ambiguus*, *Planorbis* – Deshayes, 1863-DescrCoqFoss: 744-745, 47, pl. 47, figs 10-13. — Type localities: Le Fayel, Ducy, Mareuil-en-Dole, La Ferté-sous-Jouarre, Nantheuil-sur Marne, Avize, Saint-Aubin & Saint-Saturin (Sarthe). — Type age: Eocene (Bartonian). — Type material: MNHN.F.J04167, syntype. — Current status: synonym of *Hippeutis* (*Hippeutis*) *obtus* (J. Sowerby, 1818) (Wenz 1923: 1643; Kadolsky 1975: 131).

*boissyi*, *Planorbis* – Deshayes, 1863-DescrCoqFoss: 741, 45, pl. 45, figs 20-21, non Potiez & Michaud, 1838. — Type locality: Rilly-la-Montagne. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32584, 2 syntypes. *Planorbis rillyensis* Bayan, 1870 (Bayan 1870: 4), replacement name. — Current status: *Headonia rillyensis* (Bayan, 1870) (Harzhauser & Neubauer, in Harzhauser et al. 2020: 24).

*bourgeoisi*, *Ancylus* – Deshayes, 1863-DescrCoqFoss: 700-701, 42, pl. 42, figs 22-25. — Type locality: Montabuzard. — Type age: Miocene (Burdigalian). — Current status: *Ancylus bourgeoisi* Deshayes, 1863 (Wenz 1923: 1862).

*campaniensis*, *Planorbis* – Deshayes, 1863-DescrCoqFoss: 747-748, 45, pl. 45, fig. 22. — Type locality: Cuis. — Type age: Eocene (Ypresian). *Biomphalaria sparnacensis* [Deshayes, 1824] *campaniensis* (Deshayes, 1863) (Le Renard & Pacaud 1995: 129). — Current status: *Headonia campaniensis* (Deshayes, 1863) (Harzhauser & Neubauer, in Harzhauser et al. 2020: 24).

*chertieri*, *Planorbis* – Deshayes, 1863-DescrCoqFoss: 753-754, 47, pl. 46, figs 5-8. — Type localities: Saint-Parres-lès-Vaudes & Morancez. — Type age: Eocene (Lutetian). — Type material: MNHN.F.J04179, 11 syntypes (Hébert coll.) from Morancez; UCBL-EM 32586, syntypes (Deshayes coll.) from Saint-Parres-lès-Vaudes. — Current status: *Hippeutis* (*Hippeutis*) *chertieri* (Deshayes, 1863) (Wenz 1923: 1636; Le Renard & Pacaud 1995: 130; Pacaud 2008: 76).

*concaus*, *Planorbis* – Deshayes, 1863-DescrCoqFoss: 745-746, 46, pl. 46, figs 9-12. — Type locality: Passy (Paris). — Type age: Eocene (Lutetian). — Type material: MNHN.F.J04180, 2 syntypes (Hébert coll.); UCBL-EM 32587, syntype (Deshayes coll.). — Current status: *Menetus concaus* (Deshayes, 1863) (Le Renard & Pacaud 1995: 130; Pacaud 2008: 76).

*depressus*, *Ancylus* – Deshayes, 1824-DescrCoqFoss: 5, pl. 10, fig. 13; 1825-DescrCoqFoss: 101; 1830a-EncyMeth: 48-49; 1836-HistNatAnim2: 657; 1843-HistNatAnim3: 242; 1863-DescrCoqFoss: 699. — Type locality: Jouy. — Type age: Oligocene (Chartian).

Preoccupies *Ancylus depressus* Haldeman, 1844, which was renamed *Ancylus haldemani* Boettger, 1853. — Current status: *Ancylus depressus* Deshayes, 1824 (Wenz 1923: 1686).

*duveyrieri*, *Planorbis* – Deshayes, 1864: 44-45, l. 3, fig. 1 [Deshayes, in Duveyrier]; Bourguignat 1864: 25-26, 30, pl. 27, fig. 6 [see under: Deshayes, in Duveyrier]. — Type locality: White soil near Ghoûrd-Ma’ammer, on the road from El-Quâd to Ghadâmè, Libya. — Type age: Recent. — Current status: synonym of *Biomphalaria pfeifferi* (Krauss, 1848) [*Planorbis*] (Chevallier 1969: 278-280), an extinct species closely related to *Biomphalaria glabrata* (Say, 1818), an intermediate snail host for the trematode parasite *Schistosoma mansoni*.

*exustus*, *Planorbis* – Deshayes, 1832b: 417-418, 439, 522, pl. 1, figs 11-13; 1838-HistNatAnim2: 392; 1843-HistNatAnim3: 409. — Type locality: Malabar, India, freshwater; Bélanger. — Type age: Recent. — Type species (OD) of *Indoplanorbis* Prasad & Annandale, 1921. — Current status: *Indoplanorbis exustus* (Deshayes, 1832) (D. Lamy & Pointier 2018: 623, introduced on Caribbean islands; Koudenoukpo *et al.* 2020: 48). However, this species, often misdated as 1833 or 1834, is currently believed to be a complex of up to six closely related biological species in India and Southeast Asia, with populations introduced elsewhere in the world (Sil *et al.* 2022). Preece *et al.* (2022: 112-113) noted that the Deshayes species was described from the Malabar coast in southwestern India, while its supposed junior synonym *Planorbis indicus* Benson, 1836, was described from the Gangetic provinces of eastern India, so that Benson’s name could be used for a distinct species if the Deshayes name was to be limited to the western India populations.

*inflatus*, *Planorbis* – Deshayes, 1824-DescrCoqFoss: 5, pl. 10, 3-5; 1825-DescrCoqFoss: 86-87; 1863-DescrCoqFoss: 745. — Type localities: Septeuil & La Villette (Paris). — Type age: Eocene (Bartonian). *Hippeutis* (*Hippeutis*) *inflatus* (Deshayes, 1825) (Wenz 1923: 1637; Le Renard & Pacaud 1995: 130). — Current status: synonym of *Hippeutis* (*Hippeutis*) *lens* (Brongniart, 1810) (Pacaud herein).

*inversus*, *Planorbis* – Deshayes, 1824-DescrCoqFoss: 5, pl. 9, figs 16-18; 1825-DescrCoqFoss: 88; 1863-DescrCoqFoss: 755. — Type locality: La Villette (Paris). — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32381, syntype from Septeuil. — Current status: synonym of *Hippeutis* (*Hippeutis*) *inflatus* (Deshayes, 1824) (Wenz 1923: 1637).

*laevigatus*, *Planorbis* – Deshayes, 1824-DescrCoqFoss: 5, pl. 9, figs 19-21; 1825-DescrCoqFoss: 85-86; 1832-EncyMeth: 782; 1838-HistNatAnim2: 396; 1843-HistNatAnim3: 410; 1863-DescrCoqFoss: 746. — Type locality: Épernay. — Type age: Eocene (Ypresian). *Biomphalaria laevigata* (Deshayes, 1824) (Le Renard & Pacaud 1995: 129). — Current status: *Headonia laevigata* (Deshayes, 1824) (Harzhauser & Neubauer, in Harzhauser *et al.* 2020: 24).

*leymerii*, *Planorbis* – Deshayes, 1863-DescrCoqFoss: 739-740, 46, pl. 46, figs 1-4. — Type localities: Côte Saint-Parres (Saint-Nicolas-la-Chapelle), Les Éparmaillies, Provins & Morances. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32585, syntype from the Côte Saint-Parres. — Current status: *Headonia pseudoammonia* [Schlothem, 1820; *Helicites*] *leymerii* (Deshayes, 1863) (Harzhauser & Neubauer, in Harzhauser *et al.* 2020: 24).

*paciensis*, *Planorbis* – Deshayes, 1863-DescrCoqFoss: 740-741, 46, pl. 46, figs 13-16. — Type locality: Passy (Paris), Chéry-Chartreuve & Boursault. — Type age: Eocene (Lutetian-Bartonian). — Type material: UCBL-EM 32588, syntype from Passy. *Biomphalaria paciensis* (Deshayes, 1863) (Le Renard & Pacaud 1995: 129; Pacaud 2008: 76, as *B. “paciensis”*). — Current status: *Headonia paciensis* (Deshayes, 1863) (Harzhauser & Neubauer, in Harzhauser *et al.* 2020: 24).

*planulatus*, *Planorbis* – Deshayes, 1824-DescrCoqFoss: 5, pl. 10, figs 8-10; 1825-DescrCoqFoss: 88-89; 1838-HistNatAnim2: 397; 1843-HistNatAnim3: 410-411; 1863-DescrCoqFoss: 753. — Type locality: Pantin & La Villette (Paris). — Type age: Eocene (Bartonian). *Hippeutis* (*Hippeutis*) *inflatus* [Deshayes, 1825] *planulatus* (Deshayes, 1824) (Le Renard & Pacaud 1995: 130). — Current status: synonym of *Hippeutis* (*Hippeutis*) *lens* (Brongniart, 1810) (Pacaud herein).

*pygmaeus*, *Planorbis* – Deshayes, 1863-DescrCoqFoss: 750, 46, pl. 46, figs 36-39. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32591, syntype. — Current status: *Menetus pygmaeus* (Deshayes, 1863) (Le Renard & Pacaud 195: 129; Pacaud 2008: 76).

*sparnacensis*, *Planorbis* – Deshayes, 1824-DescrCoqFoss: 5, pl. 10, figs 6-7; 1825-DescrCoqFoss: 86; 1832-EncyMeth: 782-783; 1838-HistNatAnim2: 396; 1843-HistNatAnim3: 410; 1863-DescrCoqFoss: 746-747, 45, pl. 45, figs 27-30 [in text as figs 27-29]; 1865-DescrCoqFoss: 666 [correction noted]. — Type locality: Mont-Bernon (Épernay). — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32138, syntype. — Current status: *Biomphalaria sparnacensis* (Deshayes, 1824) (Le Renard & Pacaud 1995: 129), now *Headonia sparnacensis* (Deshayes, 1824) (Harzhauser & Neubauer in Harzhauser *et al.* 2020: 24).

*spiruloides*, *Planorbis* – Deshayes, 1863-DescrCoqFoss: 747, 46, pl. 47, figs 6-9. — Type locality: Ducy. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32594, syntypes. — Current status: *Menetus spiruloides* (Deshayes, 1863) (Le Renard & Pacaud 1995: 129).

*subangulatus*, *Planorbis* – Deshayes, 1824-DescrCoqFoss: 5, pl. 9, figs 14-15; 1825-DescrCoqFoss: 87, *non* Lamarck, 1804; 1832-EncyMeth: 783. — Type localities: Pantin & La Villette (Paris). — Type age: Oligocene (Rupelian). — Current status: synonym of *Gyraulus depressus* (Nyst, 1845) (Wenz 1923: 1549) [*Planorbis*].

*subovatus*, *Planorbis* – Deshayes, 1824-DescrCoqFoss: 5, pl. 9, figs 19-21; 1825-DescrCoqFoss: 85; 1832-EncyMeth: 780; 1838-HistNatAnim2: 396; 1843-HistNatAnim3: 410; 1863-DescrCoqFoss: 742. — Type locality: Épernay. — Type age: Eocene (Ypresian). — Current status: *Biomphalaria subovata* (Deshayes, 1824) (Le Renard & Pacaud 1995: 130).

*thibetanus*, *Planorbis* – Deshayes, 1870b: 27. — Type locality: Moupin, Tibet. — Type age: Recent. — Current status: *Taxon inquirendum*.

#### Family ELLOBIIDAE L. Pfeiffer, 1854 [1822]

*Macrodon* – Deshayes, 1861-DescrCoqFoss: pl. 16, *non* Costa, 1846. — Type species (M) Type species (M): *Macrodon singularis* Deshayes, 1861. See next entry.

*Stolidoma* – Deshayes, 1863-DescrCoqFoss: 765-768. Replacement name for *Macrodon* Deshayes, 1861, “*non Macrodon* ‘Buchanan’ [Buckman], 1844, *non Macrodon* Swainson, 1840”, neither of which would actually preoccupy Deshayes’ *Macrodon*. However, it is preoccupied by *Macrodon* Costa, 1846, a bivalve of uncertain position. *Stolidoma* Wenz, 1920, is an incorrect subsequent spelling. — Current status: *Stolidoma* is a valid genus.

*adversa*, *Auricula* – Deshayes, 1863-DescrCoqFoss: 773-774, 48, pl. 48, figs 10-11. — Type locality: Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32601, syntypes. — Type species (OD) of *Semiauricula* Cossmann, 1889. — Current status: *Semiauricula adversa* (Deshayes, 1863) (Wenz 1923: 1122-1123; Le Renard & Pacaud 1995: 130).



*alternans*, *Pupa* – Deshayes, 1863-*DescrCoqFoss*: 855, 55, pl. 55, figs 22-24. — Type locality: Rilly-la-Montagne. — Type age: Paleocene (Thanetian). — Current status: *Carychiopsis dhorni* [Deshayes, 1863] *alternans* (Le Renard & Pacaud 1995: 130).

*angistoma*, *Auricula* – Deshayes, 1830a-*EncyMeth*: 93; 1838-*HistNatAnim2*: 335; 1843-*HistNatAnim3*: 388-389. — Type locality: none given. — Type age: Recent. 1831c: [1], pl. 11. — Current status: *taxon inquirendum*.

*bigininata*, *Pupa* – Deshayes, 1863-*DescrCoqFoss*: 855-856, 56, pl. 56, figs 7-9. — Type locality: Ay. — Type age: Eocene (Ypresian). *Carychiopsis bigeminata* (Deshayes, 1863) (Wenz 1923: 1178; Le Renard & Pacaud 1995: 130). — Current status: *Ovicarychium bigeminatum* (Deshayes, 1863) (Kadolsky 2020: 38).

*biplicata*, *Auricula* – Deshayes, 1830a-*EncyMeth*: 91, *non* Grateloup, 1828, *nec* Borson, 1821. — Type locality: none given. — Type age: Recent. — Type material: MNHN-IM-2000-5038, syntype. — Current status: synonym of the Caribbean *Melampus coffea* (Linnaeus, 1758) [*Bulla*] (Yidi & Bossio 2011: 159, 318, fig. 1077).

*buccina*, *Auricula* – Deshayes, 1833b: 232, *nomen nudum*. — Type locality: Peloponnese Peninsula, Greece. — Type age: Subapennine Formation, Pliocene.

*cimex*, *Auricula* – Deshayes, 1863-*DescrCoqFoss*: 775-776, 48, pl. 48, figs 7-9. — Type locality: Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32600, syntypes. — Current status: *Pythiopsis (Pythiopsis) cimex* (Deshayes, 1863) (Wenz 1923: 1142; Le Renard & Pacaud 1995: 130; Leroy *et al.* 2014: 26, pl. 30, figs 5-6).

*constrictum*, *Carychium* – Deshayes, 1863-*DescrCoqFoss*: 784, 49, pl. 49, figs 10-12. — Type locality: Rilly-la-Montagne. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM32607, syntypes. — Current status: synonym of *Ovicarychium michelini* (De Boissy, 1848) [*Auricula*] (Wenz 1923: 1191-1192).

*cornea*, *Auricula* – Deshayes, 1830a-*EncyMeth*: 90-91; 1838-*HistNatAnim2*: 339; 1843-*HistNatAnim3*: 390. — Type locality: New York. — Type age: Recent. — Current status: synonym of the western Atlantic *Melampus bidentatus* Say, 1822 (Abbott 1974: 331-332, fig. 4087).

*crassidens*, *Stolidoma* – Deshayes, 1863-*DescrCoqFoss*: 766, 48, pl. 48, figs 1-3. — Type localities: Châlons-sur-Vesle & Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32598, syntype. — Current status: *Stolidoma (Stolidoma) crassidens* (Deshayes, 1863) (Wenz 1923: 1166; Le Renard & Pacaud 1995: 130; Leroy *et al.* 2014: 26, pl. 30, fig. 10).

*dentiens*, *Auricula* – Deshayes, 1858: 553, *nomen nudum*; 1863-*DescrCoqFoss*: 772-773, 48, pl. 48, figs 12-13. — Type locality: Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 33385, syntype lost. — Type species (M) of *Traliopsis* Sandberger, 1870. — Current status: synonym of *Traliopsis crassidens* (Melleville, 1843) [*Pedipes*] (Wenz 1923: 1148).

*depressa*, *Auricula* – Deshayes, 1863-*DescrCoqFoss*: 776-777, 48, pl. 48, figs 19-21. — Type locality: Hérouval. — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32602, syntype. — Current status: *Pythiopsis (Pythiopsis) depressa* (Deshayes, 1863) (Wenz 1923: 1143; Le Renard & Pacaud 1995: 130).

*dhorni*, *Pupa* – Deshayes, 1863-*DescrCoqFoss*: 854-855, 56, pl. 56, figs 1-3. — Type locality: Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32624, holotype. — Type species (SD Tryon, 1884) of *Carychiopsis* Sandberger, 1871. — Cur-

rent status: *Carychiopsis dhorni* (Deshayes, 1863) (Wenz 1923: 1178; Le Renard & Pacaud 1995: 130; Harzhauser *et al.* 2014a: 836).

*dutemplei*, *Auricula* – Deshayes, 1863-*DescrCoqFoss*: 774, 48, pl. 48, figs 14-16. — Type localities: Ay & Sinceny. — Type age: Eocene (Ypresian). — Current status: *Semiauricula dutemplei* (Deshayes, 1863) (Le Renard & Pacaud 1995: 130).

*fasciata*, *Auricula* – Deshayes, 1830a-*EncyMeth*: 90; Deshayes in Guérin-Méneville 1835: 17, pl. 7, fig. 8, as *Conovulus fasciatus*; 1838-*HistNatAnim2*: 337-338; 1843-*HistNatAnim3*: 389-390; Deshayes in Guérin-Méneville 1844: 17; Guérin-Méneville & Deshayes 1868: 14, pl. 6, fig. 8, as *Conovulus*. — Type locality: none given [New Ireland & New Guinea]. — Type age: Recent. — Type material: MNHN-IM-2000-5075, 7 syntypes; MNHN-IM-2000-5076, 5 syntypes. — Current status: *Melampus fasciatus* (Deshayes, 1830) (Raven & Vermeulen 2007: 44-45, pl. 3, figs 24-26; Hemmen & Niederhöfer 2007: 45; Groh, in Poppe 2010: 454, pl. 918, fig. 10; Romero *et al.* 2015: 45; Kurozumi, in Okutani 2017: 1129, pl. 428, fig. 3; Gittenberger *et al.* 2019: 358-359, fig. 14; Boutet *et al.* 2020: 588).

*interferens*, *Pupa* – Deshayes, 1863-*DescrCoqFoss*: 859, 56, pl. 56, figs 10-12. — Type locality: Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). *Vertigo interferens* (Deshayes, 1863) (Le Renard & Pacaud 1995: 131). — Current status: *Ovicarychium interferens* (Deshayes, 1863) (Kadolsky 2020: 38).

*labrella*, *Auricula* – Deshayes, 1830a-*EncyMeth*: 92-93; 1831c: [1], pl. 14; 1838-*HistNatAnim2*: 337; 1843-*HistNatAnim3*: 389. — Type locality: L'Île de France, freshwater. — Type age: Recent. — Type material: MNHN-IM-2000-5087, syntype. — Current status: *Cassidula labrella* (Deshayes, 1830) (Romero *et al.* 2015: 46; Gerlach *et al.* 2023: 24, fig. 10E).

*lamarckii*, *Auricula* – Deshayes, 1863-*DescrCoqFoss*: 778, 48, pl. 48, figs 22-24. — Type localities: Houdan, Beynes, Maule, Thiverval-Grignon & Boursault. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32603, syntype from Houdan; EM 33366-33372, 7 syntypes from Thiverval-Grignon; EM 33373, syntype from Beynes. — Type species (M) of *Hemitaxia* Sandberger, 1872. — Current status: *Pythiopsis (Hemitaxia) lamarckii* (Deshayes, 1863) (Wenz 1923: 1146; Le Renard & Pacaud 1995: 130; Pacaud 2008: 76).

*livida*, *Auricula* – Deshayes, 1830a-*EncyMeth*: 91; 1838-*HistNatAnim2*: 338; *HistNatAnim3*: 390. — Type locality: none given [La Réunion]; Mr. Marmin. — Type age: Recent. — Type material: MNHN-IM-2000-5092, 5 syntypes. — Current status: the Indo-Pacific – Current status: *Melampus lividus* (Deshayes, 1830) (Boutet *et al.* 2020: 589; ; Gerlach *et al.* 2023: 24, fig. 10G).

*lowii*, *Pedipes* – Deshayes, 1863-*DescrCoqFoss*: 764, 47, pl. 47, figs 34-36. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Type material: UCBL-EM32597, holotype. — Current status: *Marinula (Promarinula) lowii* (Deshayes, 1863) (Le Renard & Pacaud 1995: 130).

*marceauxi*, *Pedipes* – Deshayes, 1863-*DescrCoqFoss*: 763, 47, pl. 47, figs 28-30. — Type locality: Hermonville. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32595, syntypes. — Current status: *Marinula (Promarinula) marceauxi* (Deshayes, 1863) (Wenz 1923: 1159; Le Renard & Pacaud 1995: 130; Pacaud 2008: 77).

*mustelina*, *Auricula* – Deshayes, 1830a-*EncyMeth*: 92; 1838-*HistNatAnim2*: 336; 1843-*HistNatAnim3*: 389. — Type locality: none given. — Type age: Recent. — Type material: MNHN-IM-2000-5100, syntype. *Cassidula mustelina* (Deshayes, 1820) (Kurozumi, in Okutani 2017: 1128, pl. 427, fig. 4). — Current status: synonym of the southeast Asian *Cassidula nucleus* (Gmelin, 1791) [*Helix*] (Raven &

Vermeulen 2007: 50-51, pl. 4, figs 37-39), or a valid species, *Cassidula mustelina* (Deshayes, 1830) (Hemmen & Niederhöfer 2007: 44).

*neglecta*, *Auricula* – Deshayes, 1863-*DescrCoqFoss*: 777, 48, pl. 48, figs 27-29. — Type locality: Jaignes. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32604, holotype. — Current status: *Pythiopsis (Pythiopsis) neglecta* (Deshayes, 1863) (Wenz 1923: 1143; Glibert 1973: 94; Le Renard & Pacaud 1995: 130).

*nobilis*, *Auricula* – Deshayes, 1863-*DescrCoqFoss*: 772, 48, pl. 48, figs 25-26. — Type localities: Auvers-sur-Oise, Valmondois & Cresnes. — Type age: Eocene (Bartonian). — Type material: MNHN.F.J04165, syntype (Hebert coll.) & UCBL-EM 33391, syntype (Deshayes coll.). — Current status: *Pythiopsis (Hemitaxia) nobilis* (Deshayes, 1863) (Wenz 1923: 1147; Le Renard & Pacaud 1995: 130).

*oblonga*, *Auricula* – Deshayes, 1830a-*EncyMeth*: 89-90; 1838-*HistNatAnim2*: 347; 1843-*HistNatAnim3*: 393. — Type localities: Touraine & Baugé-en-Anjou. — Type age: Miocene (Langhian). — Type material: UCBL-EM 33418, 33419-33425 (Touraine, 8 syntypes) & UCBL-EM 33426-33428 (Baugé-en-Anjou), 3 syntypes. *Ellobium oblongum* (Deshayes, 1830) (Wenz 1923: 1117, as “1831”). *Auricula oblonga* Deshayes, 1830 (Peyrot 1932: 387-388, pl. 14, figs 65-66). *Pythiopsis oblongum* (Deshayes, 1830) (Harzhauser *et al.* 2023b: 70). — Current status: *Ophicardelus oblongus* (Deshayes, 1830) (Pacaud *herein*).

*pfeifferi*, *Pedipes* – Deshayes, 1835-*DescrCoqFoss*: 763-764, 47, pl. 47, figs 31-33. — Type localities: La Ferme de l’Orme, Bour-sault & Passy (Paris). — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32596, syntype from Passy. — Type species (OD) of *Promarinula* Wenz, 1922. — Current status: *Marinula (Promarinula) pfeifferi* (Deshayes, 1863) (Le Renard & Pacaud 1995: 130; Pacaud 2008: 77).

*pisolina*, *Auricula* – Deshayes, 1830a-*EncyMeth*: 90; 1838-*HistNatAnim2*: 347-348; 1843-*HistNatAnim3*: 393. — Type locality: Touraine. — Type age: Miocene. *Nealexia pisolina* (Deshayes, 1830) (Wenz 1923: 1135, as “1831”). *Auricula (Alexia) pisolina* (Deshayes, 1830) (Peyrot 1932: 390-391, pl. 14, figs 42-44). — Current status: *Ovatella pisolina* (Deshayes, 1830) (Binder 2002: 166, pl. 1, figs 11a-b, 12).

*praelonga*, *Stolidoma* – Deshayes, 1861-*DescrCoqFoss*: 16, as “*Odostomia*”, pl. 16, figs 8-9; 1863: 767; 1865-*DescrCoqFoss*: 666 [correction in genus on pl. expl. made, but as “pl. 15”]. — Type localities: La Ferme de l’Orme & Parnes. — Type age: Eocene (Lutetian). — Current status: *Stolidoma (Stolidoma) praelonga* Deshayes, 1863 (Wenz 1923: 1167; Le Renard & Pacaud 1995: 130; Pacaud 2008: 77).

*praestans*, *Auricula* – Deshayes, 1863-*DescrCoqFoss*: 779, 48, pl. 48, figs 17-18. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Semiauricula praestans* (Deshayes, 1863) (Le Renard & Pacaud 1995: 130).

*singularis*, *Stolidoma* – Deshayes, 1861-*DescrCoqFoss*: 16, as *Macro-donta*, pl. 16, figs 10-11; 1863: 767-768; 1865-*DescrCoqFoss*: 666 [correction in generic name made, but as “pl. 15” in error]. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 32444, holotype. — Current status: *Stolidoma (Stolidoma) singularis* Deshayes, 1863 (Wenz 1923: 1167; Le Renard & Pacaud 1995: 130; Pacaud 2008: 77).

*sparnacense*, *Carychium* – Deshayes, 1863-*DescrCoqFoss*: 782, 48, pl. 48, figs 30-32. — Type localities: Jonchery-sur-Vesle & Mont-Bernon (Epernay). — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32605, syntype from Mont-Bernon. *Carychium sparnacense* Deshayes, 1863 (Le Renard & Pacaud 1995: 130). — Current status: *Ovicarychium sparnacense* (Deshayes, 1863) (Kadolsky 2020: 38).

*turonensis*, *Auricula* – Deshayes, 1830a-*EncyMeth*: 91-92; 1838-*HistNatAnim2*: 349; 1843-*HistNatAnim3*: 393. — Type locality: Touraine. — Type age: Miocene. — Current status: *Melampus turonensis* (Deshayes, 1830) (Wenz 1923: 1154, as “1831”).

*umbilicata*, *Auricula* – Deshayes, 1830a-*EncyMeth*: 89; 1838-*HistNatAnim2*: 348; 1843-*HistNatAnim3*: 393. — Type locality: Touraine. — Type age: Miocene. — Current status: *Cassidula umbilicata* (Deshayes, 1830) (Wenz 1923: 1151, as “1831”; Glibert 1952: 405).

*volutella*, *Auricula* – Deshayes, 1863-*DescrCoqFoss*: 774-775, 48, pl. 48, figs 4-6. — Type locality: Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32599, holotype. — Current status: *Semiauricula volutella* (Deshayes, 1863) (Le Renard & Pacaud 1995: 130; Leroy *et al.* 2014: 26pl. 30, figs 2-3).

#### Family CYLINDRELLINIDAE Zilch, 1959

*inermis*, *Pupa* – Deshayes, 1863-*DescrCoqFoss*: 851, 56, pl. 56, figs 4-6. — Type locality: Rilly-la-Montagne. — Type age: Paleocene (Thanetian). Preoccupies *Pupa inermis* Westerlund, 1877, which was renamed *Vertigo westerlundii* Pilsbry, 1922. — Current status: *Cylindrellina inermis* (Deshayes, 1863) (Le Renard & Pacaud 1995: 131).

*parisiensis*, *Cylindrella* – Deshayes, 1863-*DescrCoqFoss*: 872, 57, as *Cylindrella perforata*, pl. 57, figs 10-12. — Type locality: Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32626, holotype. — Type species (OD) of *Distoechia* Crosse, 1890, a junior synonym of *Cylindrellina* Munier-Chalmas, 1884. — Current status: *Cylindrellina parisiensis* (Deshayes, 1863) (Le Renard & Pacaud 1995: 131; Breure *et al.* 2022a: 47).

#### Family GRANDIPATULIDAE Pfeffer, 1930

*berthelini*, *Helix* – Deshayes, 1863-*DescrCoqFoss*: 822-823, 49, pl. 49, figs 31-34. — Type locality: Saint-Parres-lès-Vaudes. — Type age: Eocene (Lutetian). — Current status: *Grandipatula berthelini* (Deshayes, 1863) (Wenz 1923: 236; Le Renard & Pacaud 1995: 131).

*chertieri*, *Helix* – Deshayes, 1863-*DescrCoqFoss*: 800, 49, pl. 49, figs 24-27. — Type localities: Côte Saint-Parres (Saint-Nicolas-la-Chapelle) & Morancez. — Type age: Eocene (Lutetian). — Type material: MNHN.F.J04132, MNHN.F.R63047, syntypes. — Current status: *Grandipatula chertieri* (Deshayes, 1863) (Wenz 1923: 236; Le Renard & Pacaud 1995: 131).

*discerpta*, *Helix* – Deshayes, 1863-*DescrCoqFoss*: 801, 50, pl. 50, figs 5-7. — Type localities: Rilly-la-Montagne & Sésanne. — Type age: Paleocene (Thanetian). — Current status: *Grandipatula discerpta* (Deshayes, 1863) (Le Renard & Pacaud 1995: 131).

*rigaulti*, *Helix* – Deshayes, 1863-*DescrCoqFoss*: 799-800, 49, pl. 49, figs 16-17. — Type locality: Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32608, holotype. — Current status: *Grandipatula rigaulti* (Deshayes, 1863) (Le Renard & Pacaud 1995: 131; Leroy *et al.* 2014: 27, pl. 31, figs 4-5).

*umbilicalis*, *Helix* – Deshayes, 1832-*EncyMeth*: 218, *non* Olivi, 1792 [Helicidae]; 1838-*HistNatAnim2*: 140; 1843-*HistNatAnim3*: 318-319. — Type locality: Faluns de Touraine. — Type age: Miocene; Mr. Duvau & Mr. Tristan. — Type species (OD) of *Macrozonites* Wenz, 1919. *Grandipatula (Macrozonites) umbilicalis* (Deshayes, 1832) (Wenz 1923: 242, as “1831”). — Current status: *Macrozonites turonia* Pacaud, **n. name (replacement name herein)**: from its typical region; the Touraine is one of the ancient provinces of France. The name is mentioned in the form Turonia in 1155 by the writer Wace in his legendary history of the island of Brittany: the Roman de Brut. Name given in apposition.



### Family SCALAXIDAE Zilch, 1959

*columnella*, *Achatina* – Deshayes, 1863-*DescrCoqFoss*: 843, 54, pl. 54, figs 8-10. — Type locality: Rilly-la-Montagne. — Type age: Paleocene (Thanetian). *Columna columnella* (Deshayes, 1863) (Le Renard & Pacaud 1995: 132). — Current status: *Scalaxis columnella* (Deshayes, 1863) (Kadolsky 2021: 132-133).

*diversa*, *Achatina* – Deshayes, 1863-*DescrCoqFoss*: 843-844, 54, pl. 54, figs 14-16. — Type locality: Rilly-la-Montagne. — Type age: Paleocene (Thanetian). — Current status: *Scalaxis diversus* (Deshayes, 1863) (Le Renard & Pacaud 1995: 132).

### Family ACHATINIDAE Swainson, 1840

*Aghatina* – Deshayes, 1831c: Page [1] with pl. 3. Incorrect subsequent spelling of *Achatina* Lamarck, 1799.

*electa*, *Achatina* – Deshayes, 1863-*DescrCoqFoss*: 838, 53, pl. 53, figs 10-12. — Type locality: Fontainebleau. — Type age: Oligocene (Chattian). Synonym of – Current status: *Palaeoglandina gracilis* (Zieten, 1832) [*Limnaea*] (Wenz 1923: 840).

*fasciata*, *Agathina* – Deshayes, 1831-*DictClass17*: 121, pl. [85]. — Type locality: none given. — Type age: Recent. — Current status: synonym of *Lissachatina fulica* (Bowdich, 1822) [*Achatina*] (Bequaert 1950: 61, as a subgenus of *Achatina*).

*maculata*, *Agathina* – Deshayes, 1830a-*EncyMeth*: 12, *non* Swainson, 1821. — Type locality: none given. — Type age: Recent. — Current status: synonym of *Lissachatina fulica* (Bowdich, 1822) [*Achatina*] (Bequaert 1950: 61, as a subgenus of *Achatina*).

*marmini*, *Achatina* – Deshayes, 1830a-*EncyMeth*: 11. — Type locality: none given; Marmin. — Type age: Recent. — Current status: *nomen dubium*.

*minor*, *Achatina panthera* – Deshayes, 1851-*HistNatTerrFluv*: 19, pl. 132, figs 1-2. — Type locality: none given. — Type age: Recent. — Current status: synonym of *Lissachatina panthera* [Ferussac, 1821; *Helix*] *lamarckiana* L. Pfeiffer, 1846 (Bequaert, 1950: 109, as a subgenus of *Achatina*).

*moreletiana*, *Achatina* – Deshayes, 1851-*HistNatTerrFluv2*(2): 146-147, 19, pl. 137, figs 7-8. — Type locality: Gabon. — Type age: Recent. — Type material: MNHN-IM-2000-4873, 3 syntypes; NHMUK 1873.2.4.1935-1937, 3 syntypes. — Current status: *Pseudotrochus moreletianus* (Deshayes, 1851) (Pilsbry 1904: 228-229, pl. 9, figs 3-4, 7).

*scalaris*, *Bulimus (Stenogyra)* – Deshayes, 1876: 96-97, 100, pl. 1, figs 27-29. — Type locality: Peking, China. — Type age: Recent. — Current status: synonym of *Paropeas achatinaceum* (L. Pfeiffer, 1846) [*Bulimus*] (Naggs 1994: 177).

*submarginata*, *Achatina* – Deshayes, 1851-*HistNatTerrFluv2*(2): 187-188, 19, pl. 134, figs 31-32. — Type locality: none given. — Type age: Recent. — Current status: *nomen dubium*.

*turritellata*, *Achatina* – Deshayes, 1830a-*EncyMeth*: 11-12; 1851-*HistNatTerrFluv2*(2): 167-168, 19, pl. 134, figs 17-18. — Type locality: none given. — Type age: Recent. — Current status: *nomen dubium*.

*unicolor*, *Achatina variegata* – Deshayes, 1851-*HistNatTerrFluv*: 18, pl. 124, figs 3-4, *non* C. B. Adams, 1849. — Type locality: none given. — Type age: Recent. — Current status: synonym of *Lissachatina achatina* [Bowdich, 1822; *Achatina*] *monochromatica* Pilsbry, 1904 (Bequaert 1950: 33, as a subgenus of *Achatina*).

*fulva*, *Achatina* – Deshayes, 1838-*HistNatAnim*: 309-310; 1851-*HistNatTerrFluv*: 18, pl. 124, figs 1-2, *non* Beck, 1837. However, according to Deshayes, this was *Bulimus fulvus* Bruguière, 1791, Deshayes merely crediting himself with the generic change. Bequaert (1950: 61) listed this as of Deshayes and as synonym of *Lissachatina fulica* (Bowdich, 1822) [*Achatina*], and listed Bruguière's taxon (p. 33) as a possible synonym of a form of *Achatina achatina* (Linnaeus, 1758) [*Bulla*].

### Family FERUSSACIIDAE Bourguignat, 1883

*risso*, *Achatina* – Deshayes, 1830a-*EncyMeth*: 12. — Type locality: near Nice, France. — Type age: Recent. — Current status: synonym of *Ferussacia folliculum* (Schröter, 1784) [*Helix*] (Pilsbry 1908: 220, as “Gronovius, 1781”).

### Family STREPTAXIDAE J. E. Gray, 1860

*bourguignati*, *Pupa* – Deshayes, 1863: 90-91, pl. 10, figs 27-28. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-30904, holotype. *Gibbus (Gibbulina) bourguignati* (Deshayes, 1863) (Nevill 1870: 410-411). — Current status: *Gonospira bourguignati* (Deshayes, 1863) (Griffiths & Florens 2006: 95).

*candidus*, *Bulimus* – Deshayes, 1851-*HistNatTerrFluv2*(2): 77-78, 21, pl. 150, figs 15-16. — Type localities: Socotora Island & Arabia. — Type age: Recent. — Current status: synonym of *Edentulina ovoidea* (Bruguière, 1789) [*Bulimus*] (Rowson 2007: 439, fig. 44).

*intersecta*, *Pupa* – Deshayes, 1863: 91-92, pl. 11, fig. 1. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-30947, syntype. — Current status: *Gibbus (Gibbulina) intersecta* (Deshayes, 1863) (Nevill 1870: 410, possible variety of *G. bourguignati* Deshayes, 1863).

### Family SCOLODONTIDAE H. B. Baker, 1925

*circumplexa*, *Helix* – Deshayes, 1839-*HistNatTerrFluv1*: 19, pl. 84, figs 5-6, *ex* Ferussac ms; 1851-*HistNatTerrFluv*: 15. — Type locality: Brazil. — Type age: Recent. — Current status: *Systrophiella circumplexa* (Deshayes, 1839) (Salvador *et al.* 2024: 148, 153).

*spirorbis*, *Helix* – Deshayes, 1850-*HistNatTerrFluv1*: 83, “pl. 82A, figs 1-3” [plate never issued], *non* Linnaeus, 1758. — Type locality: Rio de Janeiro, Brazil; Gaudichaud. — Type age: Recent. — Type material: MNHN-IM-2000-31791, syntype. — Current status: *Scolodonta spirorbis* (Deshayes, 1850) (Simone 2006: 225, as “1950”). The Linnaean species is now *Anisus spirorbis* (Linnaeus, 1758), a European planorbid. The ICZN has been petitioned to conserve the Deshayes species name (R. B. Salvador & Simone 2020).

### Family PLECTOPYLIDAE Möllendorff, 1898

*alphonsi*, *Helix* – Deshayes, 1870b: 22; 1874b: 13, pl. 2, figs 22-24. — Type locality: Moupin, Tibet [possibly incorrect and really Sichuan, China (Páll-Gergely & Hunyadi 2013: 34)]. — Type age: Recent. — Type material: MNHN-IM-2000-24717, holotype. — Current status: *Sinicola alphonsi* (Deshayes, 1870) (Páll-Gergely & Hunyadi 2013: 27, 34, fig. 70, holotype).

## Family CORILLIDAE Pilsbry, 1905

*rivoli*, *Helix* – Deshayes, 1832-EncyMeth: 208; 1839-HistNatTerrFluv1: 7; 1851-HistNatTerrFluv: 11, pl. 51B, fig. 3; Guérin-Méneville & Deshayes 1868: [11], pl. 5, fig. 5, 5a. — Type locality: none given. — Type age: Recent. Ceylon [Sri Lanka]. — Type material: MNHN-IM-2000-23025, holotype. — Type species (SD Schileyko, 1999) of *Atopa* Albers, 1850, *non* Paykull, 1799 [Coleoptera]; *Corilla* H. Adams & A. Adams, 1855, probable replacement name. — Current status: synonym of *Corilla carabinata* (Férussac, 1821) [*Helix*] (Gude 1914: 67-69, figs 25-26).

## Family PUNCTIDAE Morse, 1864

*minutalis*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 83, “pl. 82A, figs 4-6” [plate never issued], *ex* Férussac ms. — Type locality: Tahiti (high mountains); Cuming. — Type age: Recent. — Current status: *Nomen dubium*, possibly *Punctum* (Solem 1983: 267, as *Helix* “*minutalis*” Deshayes, “1851”).

## Family CHAROPIDAE Hutton, 1884

*modicella*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 90-91; 1851-HistNatTerrFluv: 15, pl. 86, fig. 3, *ex* Férussac ms. Uncaptioned pl. 86 issued in 1840. — Type locality: Tahiti (high mountains). — Type age: Recent. — Current status: *Sinployea modicella* (Deshayes, 1850) (Solem 1983: 86-88, figs 1a-e, 38a-c, 39a-b).

*quadrata*, *Helix* – Deshayes, 1839-HistNatTerrFluv1: 20; pl. 69C: figs 11-12; 1851-HistNatTerrFluv: 13, *ex* Férussac ms. — Type locality: Islas Juan Fernandez, Chile; Cuming. — Type age: Recent. — Current status: *Stephanoda quadrata* (Deshayes, 1839) (Schileyko 2001: 919, fig. 1202, as “1851”).

## Family DISCIDAE Thiele, 1931 [1866]

*bianconii*, *Helix* – Deshayes, 1870b: 23; 1874b: 13, pl. 2, figs 25-27. — Type locality: Moupin, Tibet. — Type age: Recent. — Type material: MNHN-IM-2000-34199, 2 syntypes. — Current status: synonym of *Discus ruderatus pauper* (Gould, 1859) (Umiński 1998: 11-12; Kuźnik-Kowalska 2008: 16).

*ferrantii*, *Helix* – Deshayes, 1824-DescrCoqFoss: 56, 4, pl. 7, fig. 10; 1838-HistNatAnim2: 138-139; 1843-HistNatAnim3: 318, the latter two as *Helix* “*ferranti*”; 1863-DescrCoqFoss: 826, as *Helix* “*ferrandi*”. — Type locality: Oigny. — Type age: Oligocene (Chattian). 1832-EncyMeth: 223, as *Helix* “*ferranti*”. — Current status: *Discus ferrantii* (Deshayes, 1824) (Wenz 1923: 331, as *Gonyodiscus* “*ferranti*”).

*patula*, *Helix* – Deshayes, 1832-EncyMeth: 217-218. — Type locality: New York; Bory de Saint-Vincent. — Type age: Recent. — Current status: the North American *Discus patulus* (Deshayes, 1832) (Minton & Perez 2005: 155).

*perelegans*, *Helix* – Deshayes, 1863-DescrCoqFoss: 824, 50, pl. 50, figs 24-27. — Type locality: Mont-Bernon (Epernay). — Type age: Eocene (Ypresian). — Type species (M) of *Calogoniodiscus* Pfeiffer, 1930. — Current status: *Discus* (*Calogoniodiscus*) *perelegans* (Deshayes, 1863) (Le Renard & Pacaud 1995: 131). *Calogoniodiscus perelegans* (Deshayes, 1863) (Harzhauser *et al.* 2020: 32).

*rotunda*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 79. Incorrect subsequent spelling of *Helix rotundata* O. F. Müller, 1774, now *Discus rotundata* (O. F. Müller, 1774).

## Family ENDODONTIDAE Pilsbry, 1895

*contortula*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 89; 1851-HistNatTerrFluv: 15, pl. 86, fig. 4, *ex* Férussac ms; *non* Krynicki, 1837, a Russian *Vitrea*. — Type locality: Fernandez Island; Cuming. — Type age: Recent. — Current status: possibly senior synonym of *Endodonta* (*Thaumatonodonta*) *scottsbergi* Odhner, 1922 (R. Bank, pers. comm., September 18, 2022).

*pardalina*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 88-89; 1851-HistNatTerrFluv: 15, pl. 83, figs 3-4. — Type locality: “Ochetaroa” [?]; Cuming. — Type age: Recent. — Current status: probable synonym of *Australdonta radiella* (L. Pfeiffer, 1846) from Opara, French Polynesia (Solem 1976: 306-307, fig. 132a-b).

## Family UROCOPTIDAE Pilsbry, 1898 [1868]

*abbreviata*, *Cylindrella* – Deshayes, 1851-HistNatTerrFluv2(2): 226-227, 22, pl. 164, figs 13-15. — Type locality: Jamaica?. — Type age: Recent. — Current status: synonym of *Urocoptis brevis* (L. Pfeiffer, 1841) [*Cylindrella*] (Rosenberg & Muratov 2006: 157).

*ovata*, *Cylindrella* – Deshayes, 1851-HistNatTerrFluv2(2): 227, 22, pl. 164, figs 7-9. — Type locality: Jamaica. — Type age: Recent. — Current status: *Urocoptis ovata* (Deshayes, 1851) (Rosenberg & Muratov 2006: 158).

*subula*, *Clausilia* – Deshayes, 1838-HistNatAnim2: 216, *ex* Férussac ms; 1843-HistNatAnim3: 546. — Type locality: Cuba. — Type age: Recent. — Type species (SD Martens, 1860) of *Mychostoma* Albers, 1850. — Current status: *Brachypodella subula* (Deshayes, 1838) (Rosenberg & Muratov 2006: 128).

## Family CERIONIDAE Pilsbry, 1901

*tumidula*, *Pupa* – Deshayes, 1851-HistNatTerrFluv2(2): 207-208, 21, pl. 153, fig. 8. — Type locality: Cuba. — Type age: Recent. — Current status: synonym of *Cerion mumia* (Bruguière, 1791) (Clench 1957: 166).

## Family EUCALODIIDAE P. Fischer &amp; Crosse, 1873

*moreleti*, *Cylindrella* – Deshayes, 1851-HistNatTerrFluv2(2): 227-228, 22, pl. 164, figs 16-18. — Type locality: “Vera-Paz” [perhaps meant to be Veracruz?], Central America; Morelet. — Type age: Recent. Preoccupies *Cylindrella moreleti* L. Pfeiffer, 1853. — Current status: synonym of *Coelocentrum tomacella* (Morelet, 1849) [*Cylindrella*] (F. G. Thompson 2011: 136).

## Family SUCCINEIDAE Beck, 1837

*Succinaea* – Deshayes, 1830a-EncyMeth: 18. Incorrect subsequent spelling of *Succinea* Draparnaud, 1801.

*boissyi*, *Succinea* – Deshayes, 1863-DescrCoqFoss: 796, 54, pl. 54, figs 1-3. — Type locality: Rilly-la-Montagne. — Type age: Paleocene (Thanetian). — Type material: UCBL-EM 32616, holotype. — Current status: *Succinea* (*Brachyspira*) *boissyi* Deshayes, 1863 (Le Renard & Pacaud 1995: 132).

*brevispira*, *Succinea* – Deshayes, 1863-DescrCoqFoss: 794-795, 52, pl. 52, figs 33-36. — Type locality: Cuis. — Type age: Eocene (Ypresian). — Current status: *Succinea* (*Brachyspira*) *brevispira* Deshayes, 1863 (Le Renard & Pacaud 1995: 132).



*levantina*, *Succinea* – Deshayes, 1835b: 170, pl. 19, figs 25-27; 1838-HistNatAnim2: 317-318; 1843-HistNatAnim3: 382. — Type localities: Peloponnese Peninsula, Greece; also Sicily & Constantinople. — Type age: Recent. — Current status: synonym of *Oxyloma elegans* (Risso, 1826) [*Succinea*] (MolluscaBase).

*sparmacensis*, *Succinea* – Deshayes, 1863-DescrCoqFoss: 795, 52, pl. 52, figs 30-32. — Type locality: Mont-Bernon (Épernay). — Type age: Eocene (Ypresian). — Current status: *Succinea* (*Succinea*) *sparmacensis* Deshayes, 1863 (Le Renard & Pacaud 1995: 132).

#### Family RHYTIDIDAE Pilsbry, 1893

*filiole*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 82-83; 1851-HistNatTerrFluv: 15, pl. 86, fig. 1, *ex* Ferussac ms. Uncaptioned pl. 86 issued in 1840. — Type locality: Tonga; Quoy. — Type age: Recent. — Current status: synonym of *Ouapagia gradata* (Gould, 1846) (Solem 1983: 266) [*Helix*].

#### Family ACAVIDAE Pilsbry, 1895

*atropis*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 56-57, *ex* Férussac ms; 1851-HistNatTerrFluv: 14, pl. 69H, figs 13-14. Uncaptioned pl. 69H issued in 1840. — Type locality: near Diego-Suarez Bay, Madagascar. — Type age: Recent. — Current status: *Ampelita atropis* (Deshayes, 1850) (Fischer-Piette *et al.* 1994: 102-103, pl. 8, figs 14-16; Emberton & Rakotondrazafy 2020: 177-179, 182, figs 80-87).

*clotho*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 57-58, *ex* Férussac ms; 1851-HistNatTerrFluv: 14, pl. 69I, fig. 3. Uncaptioned pl. 69I issued in 1840. — Type locality: near Diego-Suarez Bay, Madagascar. — Type age: Recent. — Current status: *Ampelita clotho* (Deshayes, 1850) (Fischer-Piette *et al.* 1994: 110-111, pl. 10, figs 9-11; Emberton & Rakotondrazafy 2020: 181-183, 178, figs 50-53).

*consanguinea*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 59, *ex* Férussac ms; 1851-HistNatTerrFluv: 13, pl. 69H, figs 1-2. Uncaptioned pl. 69H issued in 1840. — Type locality: near Diego Suarez Bay, Madagascar. — Type age: Recent. — Current status: *Ampelita consanguinea* (Deshayes, 1850) (Fischer-Piette *et al.* 1994: 94-95, pl. 11, figs 13-15; Emberton & Rakotondrazafy 2020: 183, 190, figs 136-139).

*echinophora*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 287-288, *ex* Férussac ms; 1851-HistNatTerrFluv: pl. 10A, figs 7-9, *ex* Férussac ms. Uncaptioned pl. 10A issued in 1839. — Type locality: Madagascar. — Type age: Recent. This species name first appeared as a *nomen nudum* in L. Pfeiffer (1848: 434). — Type material: MNHN-IM-2000-2082, lectotype (Groh & Poppe 2002). *Helicophanta echinophora* (Deshayes, 1850) (Fischer-Piette *et al.* 1994: 163-164, pl. 25, figs 6-8, pl. 30, figs 6-7, text-figs 68-69, as “Férussac, 1839”. — Current status: *Embertoniphanta echinophora* (Deshayes, 1850) (Groh & Poppe 2002: 43-45: pl. 27, figs 1-3, text-figs 16-17; Emberton & Rakotondrazafy 2020: 203-204, figs 77-79).

*granulosa*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 61; 1851-HistNatTerrFluv: 13, *ex* Férussac ms, pl. 69H, figs 7-10. Uncaptioned pl. 69H issued in 1840. — Type locality: near Diego-Suarez Bay, Madagascar; Goudot. — Type age: Recent. — Current status: *Ampelita granulosa* (Deshayes, 1850) (Fischer-Piette *et al.* 1994: 114-115, pl. 12, figs 1-3; Emberton & Rakotondrazafy 2020: 187, 186, figs 107-110).

*lachesis*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 57; 1851-HistNatTerrFluv: 13, pl. 69H, figs 3-4, *ex* Férussac ms. Uncaptioned pl. 69H issued in 1840. — Type locality: near Diego-Suarez Bay,

Madagascar; Goudot. — Type age: Recent. — Current status: *Ampelita lachesis* (Deshayes, 1850) (Fischer-Piette *et al.* 1994: 108-109, pl. 10, figs 4-5; Emberton & Rakotondrazafy 2020: 191, 178, figs 46-49).

*microdonta*, *Helix* – Deshayes, 1832-EncyMeth: 266; 1839-HistNatTerrFluv1: 6; 1850: 214-215, as a synonym of *H. unidentata* (Holtén, 1802); 1851-HistNatTerrFluv: 14, pl. 72, fig. 13. — Type locality: Senegal. — Type age: Recent. — Current status: synonym of *Stylodonta unidentata* “Chemnitz” [Holtén, 1802] [*Helix*] from the Seychelles (Groh & Poppe 2002: 25; Bank & Menkhorst 2008: 970). Bieler & Slapcinsky (2000: 65) maintained that Deshayes’ treatment of 1839 was not the same as his original 1832 species.

*viridis*, *Helix* – Deshayes, 1832-EncyMeth: 264; 1838-HistNatAnim2: 102-103; 1843-HistNatAnim3: 305. — Type locality: Madagascar. — Type age: Recent. — Type material: MNHN-IM-2000-28794, 18 syntypes. — Current status: *Eurystyla viridis* (Deshayes, 1832) (Fischer-Piette *et al.* 1994: 148-149, pl. 21, fig. 14, as “1838”; Groh & Poppe 2002: 56-57, pl. 41, figs 1-9, text-fig. 19, as “1838”).

●  
*elongata*, *Megaspira* – Deshayes, 1863-DescrCoqFoss: 864, 55, pl. 55, figs 13-15. Made available by Melleville (1843: 92-93 [46-47, 84], pl. 4, fig. 23-25), as *Pupa elongata*. — Type locality: Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). Primary junior homonym of *Pupa elongata* Bouillet, 1836. Kadolsky (2021) proposed to maintain the junior primary homonym under ICZN Code Article 23.9.3.

#### REMARK

Two species from Madagascar have been incorrectly attributed to Férussac in 1839 or 1840 in the plates of the continuation of his work that were actually issued by Deshayes. However, these plates were uncaptioned, with the accompanying text and plate explanations only appearing in 1850 and 1851. The first species had already been made available as *Helix goudotiana* L. Pfeiffer, 1845 (Pfeiffer 1845: 155), also discussed in L. Pfeiffer (1847: 18), evidently copied from labels with Férussac material or ms notes. It is now considered a synonym of *Embertoniphanta oviformis* (Grateloup, 1840) [*Helix*] (Emberton & Rakotondrazafy 2020: 202-206, figs 8-21).

A second species, *Helix amphibulima*, also from Madagascar, had appeared as a *nomen nudum* in Beck (1838: 46, *ex* Valenciennes ms) and in then L. Pfeiffer (1847: 18), as a synonym of *H. oviformis* Grateloup, 1840). However, used as an available name before 1961 by Crosse & P. Fischer, in Grandidier (1889) (ICZN Code Art. 11.6.1). This is thus *Embertoniphanta amphibulima* (L. Pfeiffer, 1847); it is the type species of the genus *Embertoniphanta* Groh & Poppe, 2002.

#### Family CLAVATORIDAE Thiele, 1926

*moreleti*, *Bulimus* – Deshayes, 1851-HistNatTerrFluv2(2): 114, 21, pl. 154, figs 5-6. — Type locality: Madagascar. — Type age: Recent. *Clavator moreleti* (Deshayes, 1851) (Fischer-Piette *et al.* 1994: 169-170, pl. 23, fig. 11). — Current status: *Paraclavator moreleti* (Deshayes, 1851) (Emberton & Rakotondrazafy 2020: 206-207, 174, figs 23-28).

## Family AMPHIBULIMIDAE P. Fischer, 1873

*rubescens*, *Succinea* – Deshayes, 1830a-EncyMeth: 20-21; 1831c: [1], pl. 4; Deshayes in Guérin-Méneville 1835: pl. 6, fig. 8, 8a; 1838-HistNatAnim2: 319-320; 1843-HistNatAnim3: 383; 1851-HistNatTerrFluv2(2): 139-140 [fig. misstated as “1”], 4, pl. 9B, fig. 3; Deshayes in Guérin-Méneville 1844: 15; Guérin-Méneville & Deshayes 1868: [11], pl. 5, fig. 8, 8a. — Type locality: Guadeloupe. — Type age: Recent. — Type material: MNHN-IM-2000-31673, 2 syntypes. — Type species (M) of *Rhodonyx* P. Fischer, 1873. — Type species (OD) of *Mastogyra* Ancey, 1881, which is thus an objective synonym. *Rhodonyx rubescens* (Deshayes, 1830) (Schileyko 1999: 340-341, fig. 422). — Current status: *Amphibulima rubescens* (Deshayes, 1830) (D. G. Robinson *et al.* 2009: 645, who said that this species occurs only on Martinique).

## Family BOTHRIEMBRYONTIDAE Iredale, 1937

*ovum*, *Bulimus* – Deshayes, 1838-RegAnim: pl. 23, fig. 1-1a-d [including anatomy]. — Type locality: none given; Quoy. — Type age: Recent. — Current status: synonym of the Australian *Bothriembryon melo* (Quoy & Gaimard, 1832) [*Helix*] (MolluscaBase).

## Family BULIMULIDAE Tryon, 1867

*corneus*, *Bulimus* – Deshayes, 1835b: 164–165, pl. 19, figs 11-12, *non* Menke, 1830; 1838-HistNatAnim2: 247; 1843-HistNatAnim3: 357. — Type locality: “Peloponnese Peninsula, Greece”. — Type age: Recent. — Type material: MNHN-IM-2000-38630, holotype (figured by Bank & Menkhorst, 1992: fig. 23). Both names preoccupy *B. corneus* I. Lea, 1838, which is a synonym of *Bulimus buenavistensis* Pilsbry, 1897. Belongs to *Naesiotis*, therefore locality must be wrong (Bank & Menkhorst 1992: 116) and it must be from the Americas. *Buliminus graecus* Beck, 1837 (Beck 1837: 72) is a replacement name. — Current status: *Naesiotus graecus* (Beck, 1837).

*gyrina*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 334-335; 1851-HistNatTerrFluv: 12, pl. 63B, fig. 4. — Type locality: Brazil. — Type age: Recent. — Type material: MNHN-IM-2000-28153, syntype. — Current status: *Oxychona gyrina* (Deshayes, 1850) (Simone 2006: 147).

*lemniscatus*, *Bulimus* – Deshayes, 1838-HistNatAnim2: 271-272; 1843-HistNatAnim3: 366. — Type locality: Peru; Cuming. — Type age: Recent. — Current status: *Bostryx lemniscatus* (Deshayes, 1838) (Ramírez *et al.* 2003: 278).

*major*, *Bulimus* – Deshayes, 1851-HistNatTerrFluv2(2): 121-122, 21, pl. 158, figs 1-2, *non* *Bulimus radiatus major* Charpentier, 1837, *nec* *B. montanus major* Rossmäessler, 1837. — Type locality: none given. — Type age: Recent. — Current status: *taxon inquirendum*.



*grandis*, *Bulimus* – Rowson (2007: 439) synonymized this name, credited to “Deshayes, in Férussac”, with *Edentulina ovoidea* (Bruguière, 1789) [*Bulimus*]. However, this was merely an asserted misuse of *Bulimus grandis* (L. Pfeiffer, 1846) [*Pupa*] by Deshayes (1851-HistNatTerrFluv2: 101-102, 20, pl. 144, figs 1-2).

## Family MEGASPIRIDAE Pilsbry, 1904

*monozonalis*, *Bulimus* – Deshayes, 1851-HistNatTerrFluv: 20, pl. 144, figs 3–4, as “*Bumimus*”. — Type locality: Madagascar. — Type age:

Recent. — Current status: synonym of *Thaumastus taunaisii* (Férussac, 1822) [*Helix*].

*turella*, *Megaspira* – Deshayes, 1858: 553, *nomen nudum*.

## Family ODONTOSTOMIDAE Pilsbry &amp; Vanatta, 1898

*daedalea*, *Pupa* – Deshayes, 1851-HistNatTerrFluv2(2): 217, 22, pl. 162, figs 23-24 [figs cited in the text in error as “22, 24”]. — Type locality: Brazil. — Type age: Recent. — Type material: MNHN-IM-2000-28040, 7 syntypes. — Current status: *Odontostomus daedaleus* (Deshayes, 1851) (Simone 2006: 161, as “1819-21”).

*pentagruelinus*, *Bulimus* – Deshayes, 1838-HistNatAnim2: 255. Incorrect subsequent spelling of *Helix* (*Cochlodina*) *pentagruelina* Moricand, 1833.

*reevei*, *Pupa* – Deshayes, 1851-HistNatTerrFluv2(2): 214, 21, pl. 156, figs 18-19. — Type locality: Brazil. — Type age: Recent. Replacement name for *Bulimus occultus* Reeve, 1849, *non* *Pupa occultus* Parreys, in Rossmäessler, 1839, when Deshayes placed both species in *Pupa*. — Current status: *Bahiensis reevei* (Deshayes, 1851) (Simone 2006: 169).

## Family PUPILLIDAE Turton, 1831

*parvula*, *Pupa* – Deshayes, 1863-DescrCoqFoss: 852-853, 56, pl. 56, figs 31-33. — Type locality: Côte Saint-Martin (Étampes). — Type age: Oligocene (Rupelian). — Type material: MNHN.F.J03363, syntype. — Current status: *Pupilla parvula* (Deshayes, 1863) (Wenz 1923: 956; Lozouet *et al.* 2012: 418-419, fig. 283: 7-8).

*pupula*, *Pupa* – Deshayes, 1863: 92, pl. 11, figs 2-4. — Type locality: La Réunion. — Type age: Recent. — Type species (SD Germain, 1921) of *Gibbulinopsis* Germain, 1919. — Current status: *Gibbulinopsis pupula* (Deshayes, 1863) (Griffiths & Florens 2006: 83; Schileyko 2006: 107, fig. 121).

*turgidula*, *Pupa* – Deshayes, 1863: 93, pl. 11, figs 7-8. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-30991, syntype. *Gibbus* (*Gibbulina*) *turgidulus* (Deshayes, 1863) (Nevill 1870: 412). — Current status: *Gonospira turgidula* (Deshayes, 1863) (Griffiths & Florens 2006: 101, pl. 12 fig. E).

*uvula*, *Pupa* – Deshayes, 1863: 92-93, pl. 11, figs 5-6. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-30992, 6 syntypes. *Gibbus* (*Gibbulina*) *uvula* (Deshayes, 1863) (Nevill 1870: 412). *Orthogibbus uvulus* (Deshayes, 1863) (Fischer-Piette *et al.* 1994: 66, 69). — Current status: *Gonospira uvula* (Deshayes, 1863) (Griffiths & Florens 2006: 102, pl. 12 fig. F).

## Family COCHLICOPIDAE Pilsbry, 1900

*aurelianensis*, *Achatina* – Deshayes, 1863-DescrCoqFoss: 844, 54, pl. 54, figs 20-21 [in pl. expl. as 22-24]; 1865-DescrCoqFoss: 667 [correction noted]. — Type locality: Montabuzard. — Type age: Oligocene (Chattian). — Current status: *Cochlicopa aurelianensis* (Deshayes, 1863) (Wenz 1923: 1098).

## Family AGARDHIELLIDAE Pilsbry, 1900

*coarctata*, *Pupa* – Deshayes, 1863-DescrCoqFoss: 856-857, 56, pl. 56, figs 13-15. — Type locality: Côte Saint-Martin (Étampes). — Type



age: Oligocene (Rupelian). — Type material: MNHN.F.J03358, syntype. — Current status: *Enneopupa coarctata* (Deshayes, 1863) (Lozouet *et al.* 2012: 418-419, fig. 283: 11-14; Harzhauser *et al.* 2020: 28).

#### Family DRAPARNAUDIIDAE Solem, 1962

*sinistrorsus*, *Bulimus* – Deshayes, 1851-HistNatTerrFluv2(2): 24, 21, pl. 161, figs 19-21. — Type locality: New Caledonia. — Type age: Recent. Tillier & Mordan (1995: 57-65, figs 3-9) misdated this species as 1840, listed it as having been originally described in *Helix*, and then regarded it as a junior homonym of “*Helix*” *sinistrorsa* Serres, “1838”. The latter is actually *Bulimus sinistrorsus* Serres, 1841, and thus does preoccupy Deshayes’ taxon. The next available name is *Draparnaudia michaudi* Montrouzier, 1859 (Montrouzier 1859: 288), described in the synonymy of Deshayes’ species. The use of the genus and species by Zilch (1960: 622), one year before the deadline in ICZN Code Art. 11.6.1, made the genus *Draparnaudia* and its type species (M) available for this New Caledonian species. — Current status: *Draparnaudia michaudi* Montrouzier, 1859

#### Family ENIDAE B. B. Woodward, 1903 [1880]

*auversiensis*, *Bulimus* – Deshayes, 1863-DescrCoqFoss: 834, 54, pl. 54, figs 28-30. — Type locality: Auvers-sur-Oise. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 32617, holotype. — Current status: *Ena?* *auversiensis* (Deshayes, 1863) (Wenz 1923: 1073; Le Renard & Pacaud 1995: 131).

*baudoni*, *Bulimus* – Deshayes, 1870b: 24; 1876: 99, pl. 1, figs 18-19. — Type locality: Moupin, Tibet. — Type age: Recent. — Current status: *Pseudonapaeus baudoni* (Deshayes, 1870) (Wu 2018: 75, pl. 1 fig. 5).

*davidi*, *Bulimus* – Deshayes, 1870b: 23-24; 1876: 100, pl. 1, figs 24-26. — Type locality: Moupin, Tibet. — Type age: Recent. — Current status: *Mirus davidi* (Deshayes, 1870) (Wu 2018: 207-209, fig. 62, pl. 6 fig. 2).

*derivatus*, *Bulimus* – Deshayes, 1876: 95-96, 100, pl. 1, figs 24-26. — Type locality: Peking, China. — Type age: Recent. — Current status: *Mirus derivatus* (Deshayes, 1876) (Wu 2018: 209-210, as “1874”).

*emarginatus*, *Bulimus* – Deshayes, 1835b: 165, pl. 19, figs 13-15. — Type locality: Peloponnese Peninsula, Greece. — Type age: Recent. — Current status: *Mastus emarginatus* (Deshayes, 1835) (Welter-Schultes 2012: 187).

*fusiformis*, *Pupa* – Deshayes, 1835b: 169, pl. 19, figs 55-57; 1838-HistNatAnim2: 184-185; 1843-HistNatAnim3: 334. — Type locality: Peloponnese Peninsula, Greece. — Type age: Recent. Preoccupies *Pupa fusiformis* Küster, 1844, and *P. fusiformis* C. B. Adams, 1845. Küster’s species is a synonym of *Granaria frumentum atracta* (Pilsbry, 1918) [Chondrinidae], and Adams’ species is a synonym of *Anoma flexuosa* (L. Pfeiffer, 1866) [Pupillidae]. — Current status: probably *Mastus* or *Eubrepulus* (R. Bank, pers. comm., September 6, 2022).

*macroceramiformis*, *Bulimus* – Deshayes, 1870b: 25; 1876: 99, pl. 1, figs 16-17. — Type locality: Moupin, Tibet. — Type age: Recent. — Current status: *Pseudonapaeus macroceramiformis* (Deshayes, 1870) (Wu 2018: 87, pl. 1 fig. 14).

*moupinensis*, *Bulimus* – Deshayes, 1870b: 24; 1876: 100, pl. 1, figs 20-21. — Type locality: Moupin, Tibet. — Type age: Recent. — Current status: *Mirus moupinensis* (Deshayes, 1870) (Wu 2018: 217-218, pl. 6, fig. 10, as *M. “moupingianus”*).

#### Family FAUXULIDAE Harl & Páll-Gergely, 2017

*fonticola*, *Pupa* – Deshayes, 1851-HistNatTerrFluv2(2): 220, 21, pl. 156, figs 26-28. — Type locality: Cape of Good Hope; Mr. Verreaux. — Type age: Recent. — Current status: synonym of *Fauxulus capensis* (Küster, 1841) [Pupa], the type species (typification of a replacement name) of *Fauxulus* Schaufuss, 1869 (Connolly 1939: 377-379, pl. 12, fig. 7, with Deshayes’ name listed as a synonym of another now synonymous species, *Pupa ovularis* Küster, 1841).

#### Family STROBILOPSIDAE Wenz, 1915

*monilia*, *Helix* – Deshayes, 1863-DescrCoqFoss: 816, 54, pl. 54, figs 4-7. — Type locality: Beauchamp. — Type age: Eocene (Bartonian). — Type material: MNHN.F.J04162, holotype. — Current status: *Strobilops monilia* (Deshayes, 1863) (Le Renard & Pacaud 1995: 131; Harzhauser *et al.* 2020: 28).

#### Family TRUNCATELLINIDAE Steenberg, 1925

*edentula*, *Pupa* – Deshayes, 1863-DescrCoqFoss: 850–851, 56, pl. 56, figs 28-30, *non* Draparnaud, 1805. — Type locality: Côte Saint-Martin. — Type age: Oligocene (Rupelian). — Type material: MNHN.F.J03359, syntype. *Pupa anoplostoma* Bayan, 1873 (Bayan 1873: 93), replacement name. *Pupa edentula* Deshayes, 1863 (Lozouet *et al.* 2012: 418-419, fig. 283: 1-2). Synonym of *Negulus sublineolatus* O. Boettger, 1889 (Kadolsky 2014: 64, pl. 3, figs 32-22). Synonym of *Negulopsis suturalis* [Pupa] (Sandberger, 1858) (H. Nordsieck 2014a: 175-176, fig. 13). — Current status: synonym of *Negulopsis lineolata* (Braun, in Walchner, 1851 [Bulimus]) (Harzhauser & Neubauer 2018: 102, figs 7N-O), the type species (ICZN Code Art. 70.3; R. B. Salvador *et al.* 2016: 142) of *Negulopsis* H. Nordsieck, 2014.

#### Family VALLONIIDAE Morse, 1864

*ferculum*, *Helix* – Deshayes, 1863-DescrCoqFoss: 820, 51, pl. 51, figs 29-32. — Type locality: Fay-aux-Loges. — Type age: Oligocene (Rupelian). *Discus ferculum* (Deshayes, 1863) (Wenz 1923: 331, as *Gonyodiscus*). — Current status: synonym of *Acanthinula stampinensis* (Deshayes, 1863) (Pacaud herein).

*sandbergeri*, *Helix* – Deshayes, 1863-DescrCoqFoss: 816-817, 52, pl. 52, figs 23-25. — Type locality: Côte Saint-Martin (Étampes). — Type age: Oligocene (Rupelian). — Type material: MNHN.F.J03943, holotype; MNHN.F.J03944, paratype. — Current status: *Vallonia sandbergeri* (Deshayes, 1863) (Gerber 1996: 155-156, figs 3z, 58c (holotype) d-e, 59, 60; Marquet *et al.* 2008: 72; Lozouet *et al.* 2012: 416-417, fig. 282: 912; R. B. Salvador *et al.* 2022: 391-392, fig. 1F-H).

*sparnacensis*, *Helix* – Deshayes, 1863-DescrCoqFoss: 821, 50, pl. 50, figs 28-31. — Type locality: Mont-Bernon (Épernay). — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32613, holotype. — Type species (M) of *Nanopatula* Pfeiffer, 1930. *Discus (Nanopatula) sparnacensis* (Deshayes, 1863) (Gerber 1996: 123-126, figs 2f, 3m, 41d, 45; Le Renard & Pacaud 1995: 131). — Current status: *Vallonia (Nanopatula) sparnacensis* (Deshayes, 1863) (Pacaud herein).

*stampinensis*, *Helix* – Deshayes, 1863-DescrCoqFoss: 825-826, 52, pl. 52, figs 16-18. — Type locality: Côte Saint-Martin (Étampes). — Type age: Oligocene (Rupelian). — Type material: MNHN.F.J04130, syntype. — Current status: *Acanthinula stampinensis* (Deshayes, 1863) (Schlickum & Truc 1972: 189; as “*stampiensis*”; Lozouet *et al.* 2012: 416-417, fig. 282: 1-4).

## Family VERTIGINIDAE Fitzinger, 1833

*anodon*, *Pupa* – Deshayes, 1863-*DescrCoqFoss*: 849, 56, pl. 56, figs 22-24. — Type locality: Côte Saint-Martin (Étampes). — Type age: Oligocene (Rupelian). — Type material: MNHN.F.J03365, syntype. — Current status: *Negulopsis anodon* (Deshayes, 1863) (Lozouet *et al.* 2012: 418-419, fig. 283: 3-4; H. Nordsieck 2014a: 176).

*bifida*, *Pupa* – Deshayes, 1863-*DescrCoqFoss*: 860, 56, pl. 56, figs 19-21. — Type locality: Côte Saint-Martin (Étampes). — Type age: Oligocene (Rupelian). — Type material: MNHN.F.J03360, holotype. — Current status: *Vertigo bifida* (Deshayes, 1863) (Wenz 1923: 982; Lozouet *et al.* 2012: 418-419, fig. 283: 5-6).

*fisheri*, *Pupa* – Deshayes, 1863-*DescrCoqFoss*: 858-859, 56, pl. 56, figs 34-36. — Type locality: Côte Saint-Martin (Étampes). — Type age: Oligocene (Rupelian). — Current status: synonym of *Vertigo* (*Vertigo*) *callosa globulus* (Deshayes, 1863) (Pacaud herein).

*globulus*, *Pupa* – Deshayes, 1863-*DescrCoqFoss*: 860, 56, pl. 56, figs 16-18. — Type locality: Côte Saint-Martin (Étampes). — Type age: Oligocene (Rupelian). — Type material: MNHN.F.J03364, holotype. — Current status: *Vertigo callosa* [Reuss, in Reuss & Meyer, 1849] *globulus* (Deshayes, 1863) (Wenz 1923: 991).

*munieri*, *Pupa* – Deshayes, 1863-*DescrCoqFoss*: 858, 56, pl. 56, figs 25-27. — Type locality: Côte Saint-Martin (Étampes). — Type age: Oligocene (Rupelian). — Type material: MNHN.F.J03362, syntype. — Current status: synonym of *Vertigo* (*Vertigo*) *callosa globulus* (Deshayes, 1863) (Pacaud herein).

*turcica*, *Pupa* – Deshayes, 1863-*DescrCoqFoss*: 861, 57, pl. 57, figs 1-3. — Type locality: Côte Saint-Martin (Étampes). — Type age: Oligocene (Rupelian). — Type material: MNHN.F.J03361, holotype (Lozouet *et al.* 2012: 418-419, fig. 283: 9-10). — Current status: synonym of *Glandicula tiarula* (A. Braun, in Walchner, 1851) (Wenz 1923: 1011).

## Family CLAUSILIIDAE J. E. Gray, 1855

*bifurcata*, *Clausilia* – Deshayes, 1851-*HistNatTerrFluv2*(2): 245, 22, pl. 165, fig. 1. — Type locality: Morea, Greece. — Type age: Recent. — Current status: synonym of *Albinaria caerulea* (Deshayes, 1835) (O. Boettger 1878: 87).

*caerulea*, *Clausilia* – Deshayes, 1835b: 166-167, pl. 19, figs 64-66. — Type locality: Peloponnese Peninsula, Greece. — Type age: Recent. — Type species (OD) of *Albinaria* Vest, 1867. — Type species (SD Lindholm, 1924) of *Archipelagica* O. Boettger, 1878, an objective synonym. Rossmässler (1835: 8, pl., 7, fig. 9) misspelled this as *Clausilia coerulea*. H. Nordsieck (1977: 294, 301) attributed *Albinaria "coerulea"* to "Rossmässler, 1835," and erroneously stated that "*caerulea* (Deshayes 1833)" was a *nomen dubium*, which some subsequent authors have followed (e.g., Schileyko 2000: 649-650, fig. 856). Zilch (1976: 322) stated that Rossmässler's holotype was "verschollen" (lost), but the holotype would be the Deshayes specimen, now missing (Neubert 1998: 128). However, O. Boettger (1878: 87) correctly spelled the name as *caerulea*, and attributed it to Férussac (i.e., Deshayes) (H. Nordsieck 2014b: 59). — Current status: *Albinaria caerulea* (Deshayes, 1835) (Vardinoyannis *et al.* 2015: 43).

*cantrainei*, *Clausilia* – Deshayes, 1851-*HistNatTerrFluv2*(2): 239-240, 22, pl. 166, fig. 3. — Type locality: Sicily. — Type age: Recent. — Type material: MNHN-IM-2000-2448, 6 syntypes. — Current status: synonym of *Chapentieria nobilis* (L. Pfeiffer, 1848) [*Clausilia*], now *Sicania nobilis* (L. Pfeiffer, 1848) (MolluscaBase).

*gibbosula*, *Clausilia* – Deshayes, 1870b: 26. — Type locality: Moupin, Tibet. — Type age: Recent. — Type material: MNHN-IM-2000-2421, 3 syntypes; MNHN-IM-2000-2422, 1 syntype. — Current status: *Synprospyhma gibbosula* (Deshayes, 1870) (H. Nordsieck 2007: 22).

*grisea*, *Clausilia* – Deshayes, 1835b: 168, pl. 19, figs 52-54; 1838-*HistNatAnim2*: 205; 1843-*HistNatAnim3*: 341-342; 1851-*HistNatTerrFluv2*(2): 243-244, 22, pl. 165, fig. 3. — Type locality: Peloponnese Peninsula, Greece. — Type age: Recent. — Type material: MNNH-IM-2000-2415, lectotype (Neubert, 1998; Kittel & Hirschfelder 2022: 130-131); MNHN-IM-2000-2416, 6 paralectotypes. — Current status: *Albinaria grisea* (Deshayes, 1835) (Neubert 1998: 129-133, figs 5-8, 10).

*joncheryensis*, *Clausilia* – Deshayes, 1863-*DescrCoqFoss*: 868, 57, as *Clausilia joncheriacensis* (1863-*DescrCoqFoss*: pl. 57, figs 4-6). — Type locality: Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). *Proalbinaria (Neniopsis) joncheryensis* (Deshayes, 1863) (Le Renard & Pacaud 1995: 131). — Current status: *Neniopsis joncheryensis* (Deshayes, 1863) (H. Nordsieck 2000: 4).

*maculosa*, *Clausilia* – Deshayes, 1835b: 167-168, pl. 19, figs 67-69; 1838-*HistNatAnim2*: 206-207; 1843-*HistNatAnim3*: 342. — Type locality: Peloponnese Peninsula, Greece. — Type age: Recent. MNNH-IM-2000-2504, 27 syntypes. — Type species (SD Lindholm, 1924) of *Graja* O. Boettger, 1878, which is regarded as a synonym of *Albinaria*. — Current status: *Albinaria maculosa* (Deshayes, 1835) (Neubert 1998: 127-128; Kittel & Hirschfelder 2022: 182-184), who argued for suppressing Deshayes' taxon in favor of the later, but better known *Albinaria schuchii* (Rossmässler, 1836) [*Clausilia*], but no petition was ever filed to do so.

*novigentiensis*, *Clausilia* – Deshayes, 1863-*DescrCoqFoss*: 870, 57, pl. 57, figs 15-16. — Type locality: Côte Saint-Parres (Saint-Nicolas-la-Chapelle). — Type age: Eocene (Lutetian). — Current status: *taxon inquirendum* (Wenz 1923: 828).

*serrata*, *Clausilia* – Deshayes, 1870b: 25-26; 1876: 100, pl. 1, figs 32-34. — Type locality: Moupin, Tibet. — Type age: Recent. — Type material: MNHN-IM-2000-2676, 6 syntypes. — Type species (OD) of *Serriphaedusa* H. Nordsieck, 2001. — Current status: *Serriphaedusa serrata* (Deshayes, 1870) (MolluscaBase).

*splendidus*, *Bulimus* – Deshayes, 1863-*DescrCoqFoss*: 830, 55, pl. 55, figs 1-2. — Type locality: Mont-Bernon (Épernay). — Type age: Eocene (Ypresian). — Current status: synonym of *Rillya tenuistriata* (Wetherell, 1846) [*Bulimus*] (Wenz 1923: 755).

*thibetiana*, *Clausilia* – Deshayes, 1870b: 25; 1876: 100, pl. 1, figs 30-31. — Type locality: Moupin, Tibet; but possibly incorrect and really Sichuan, China (Páll-Gergely & Hunyadi 2013: 34). — Type age: Recent. — Type material: MNHN-IM-2000-2691, 3 syntypes. — Current status: *Synprospyhma thibetiana* (Deshayes, 1870) (H. Nordsieck 2007: 22).

## Family VITRINIDAE Fitzinger, 1833

*pfeifferi*, *Vitrina* – Deshayes, 1851-*HistNatTerrFluv2*(1): 96<sup>24</sup>. — Type locality: none given. — Type age: Recent. Cited (1839-*HistNatTerrFluv*: pl. 8F, figs 18-22) figures of *Vitrina teneriffae* Quoy & Gaimard, 1832. Preoccupies *Vitrina pfeifferi* Newcomb, 1861, a synonym of *Vitrina pellucida* (O. F. Müller, 1774) [*Helix*]. — Current status: *taxon inquirendum* (Dall 1906; MolluscaBase).



Family GASTRODONTIDAE Tryon, 1866

*disparilis*, *Helix* – Deshayes, 1863-*DescrCoqFoss*: 818, 52, pl. 52, figs 12-15. — Type localities: Côte Saint-Martin & Étampes. — Type age: Oligocene (Rupelian). — Type material: MNHN.F.J03357, syntype (Lozouet *et al.* 2012: 416-417, fig. 282: 13-16). — Current status: *Janulus disparilis* (Deshayes, 1863) (Wenz 1923: 301).

*pellati*, *Helix* – Deshayes, 1863-*DescrCoqFoss*: 818-819, 50, pl. 50, figs 32-35. — Type locality: Mont-Bernon (Epernay). — Type age: Eocene (Ypresian). — Type material: UCBL-EM 32614, syntype. — Current status: *Zonitoides*? *pellati* (Deshayes, 1863) (Wenz 1923: 297; Le Renard & Pacaud 1995: 131).

*stephanophora*, *Helix* – Deshayes, 1850-*HistNatTerrFluv1*: 111-112, pl. 90, fig. 8; 1851-*HistNatTerrFluv*: 15. — Type locality: none given. — Type age: Recent. — Current status: *Janulus stephanophora* (Deshayes, 1850) from the Canary Islands (Schileyko 2004: 1368-1369, fig. 1786; Manganelli *et al.* 2011: pl. 1, figs 1, 9; Castro *et al.* 2014: fig. 3D), which these authors regard a senior synonym of the type species (M) of *Janulus* Lowe, 1852, *Janulus clathrus* (Lowe, 1852).

Family OXYCHILIDAE Hesse, 1927 [1879]

*exquisita*, *Helix* – Deshayes, 1850-*HistNatTerrFluv1*: 190; 1851-*HistNatTerrFluv*: 16, pl. 96, figs 1-4. — Type locality: none given. — Type age: Recent. — Current status: synonym of *Morlina glabra* (Rossmässler, 1835) [*Helix*] (R. Bank, pers. comm., November 23, 2022).

*voltzii*, *Helix* – Deshayes, 1832-*EncyMeth*: 222-223; 1838-*HistNatAnim2*: 139-140; 1843-*HistNatAnim3*: 318. — Type locality: Bouxwiller. — Type age: Eocene (Lutetian). — Current status: *Oxychilus voltzii* (Deshayes, 1832) (Wenz 1923: 288, as “1831”).

Family DYAKIIDAE Gude & B. B. Woodward, 1921

*tumens*, *Helix* – Deshayes, 1850-*HistNatTerrFluv1*: 188-189; 1851-*HistNatTerrFluv*: 15, pl. 89, fig. 4. — Type locality: Indies. — Type age: Recent. — Type material: MNHN-IM-2000-32502, syntype; MNHN-IM-2000-32503, syntype. — Current status: synonym of *Asperitas trochus* (O. F. Müller, 1774) [*Helix*] (Köhler *et al.* 2020).

Family EUCONULIDAE H. B. Baker, 1928

*eudeli*, *Helix* – Deshayes, 1863: 87-88, pl. 10, figs 18-19. — Type locality: La Réunion; Maillard coll. — Type age: Recent. — Current status: synonym of *Lousia barclayi* (Benson, 1850) [*Helix*] (Nevill 1870: 405, as “*Helix*”).

*frappieri*, *Helix* – Deshayes, 1863: 86-87, pl. 10, figs 15-17. — Type locality: La Réunion. — Type age: Recent. — Current status: synonym of *Lousia barclayi* (Benson, 1850) [*Helix*] (MolluscaBase).

Family HELICARIONIDAE Bourguignat, 1877

*eucharis*, *Helix* – Deshayes, 1850-*HistNatTerrFluv1*: 363-364; 1851-*HistNatTerrFluv*: 13, pl. 64A, figs 7-8. — Type locality: none given [Madagascar]. — Type age: Recent. — Type species (OD) of *Amphiblema* Gude, 1911, which is sometimes synonymized with *Kalidos* Gude, 1911. *Kalidos eucharis* (Deshayes, 1850) (Fischer-Piette *et al.* 1994: 274-275, pl. 38, figs 1-3, as “1840”). — Current

status: *Amphiblema eucharis* (Deshayes, 1850) (Schileyko 2004: 1243-1244, fig. 1634, as “1840”).

*imperfecta*, *Helix* – Deshayes, 1863: 89-90, pl. 10, figs 24, 26. — Type locality: La Réunion. — Type age: Recent. — Current status: *Caldwellia imperfecta* (Deshayes, 1863) (Schileyko 2004: 1244, fig. 1635).

*semifusca*, *Helix* – Deshayes, 1832b: 414-415, 439, 522, pl. 1, figs 8-10. — Type locality: Pondichery, India; Bélanger. — Type age: Recent. — Current status: *Dancea semifusca* (Deshayes, 1832) (MolluscaBase).

*vinsoni*, *Helix* – Deshayes, 1863: 88-89, pl. 10, figs 20-23. — Type locality: La Réunion. — Type age: Recent. — Current status: synonym of *Erepta setiliris* (Benson, 1859) [*Helix*] (MolluscaBase).

Family ARIOPHANTIDAE Godwin-Austen, 1888

*ammonia*, *Helix* – Deshayes, 1850-*HistNatTerrFluv1*: 197; 1851-*HistNatTerrFluv*: 10, pl. 37A, fig. 1, *ex Valenciennes* ms. Uncaptioned pl. 37A issued in 1841. — Type locality: none given. — Type age: Recent. — Current status: *Ariophanta ammonia* (Deshayes, 1850) (MolluscaBase).

*baudini*, *Helix* – Deshayes, 1832-*EncyMeth*: 256. — Type locality: New Guinea. — Type age: Recent. — Current status: *Naninia*, but *nomen dubium* (Bentham Jutting 1964: 51).

*belangeri*, *Helix* – Deshayes, 1832b: 413-414, 439, 522, pl. 1, figs 1-3; 1832-*EncyMeth*: 233-234; 1838-*HistNatAnim2*: 101-102; 1843-*HistNatAnim3*: 304; 1850-*HistNatTerrFluv1*: 100; 1851-*HistNatTerrFluv*: 14, pl. 69-I, fig. 4. — Type locality: Pondichery, India; Bélanger. — Type age: Recent. — Type material: MNHN-IM-2000-25160, lectotype; MNHN-IM-2000-23017, 2 paralectotypes; MNHN-IM-2000-23018, paralectotype. — Current status: *Ariophanta belangeri* (Deshayes, 1832) (Raheem *et al.* 2014: 88-89, figs 53F, 54A-C).

*convoluta*, *Helix* – Deshayes, 1851-*HistNatTerrFluv1*: 401, 15, pl. 87, fig. 2. The header on p. 401 suggests that this species would belong on p. 190. — Type locality: Sumatra. — Type age: Recent. — Current status: *Macrochlamys convoluta* (Deshayes, 1851) (Bentham Jutting 1959: 148), but *nomen dubium*.

*davidi*, *Vitrina* – Deshayes, 1876: 94-95, 99, pl. 1, figs 5-7. Peking, China. — Type age: Recent. — Current status: *Macrochlamys davidi* (Deshayes, 1876) (MolluscaBase).

*expolita*, *Helix* – Deshayes, 1850-*HistNatTerrFluv1*: 190-191; 1851-*HistNatTerrFluv*: 15, pl. 87, fig. 1. — Type locality: none given [Cambodia]. — Type age: Recent. — Current status: synonym of *Sarika resplendens* (Philippi, 1847) [*Helix*] (Tryon 1886: 91).

*maillardi*, *Helix* – Deshayes, 1863: 86, pl. 10, figs 12-14. — Type locality: La Réunion. — Type age: Recent. — Current status: *Du-pontia maillardi* (Deshayes, 1863) (MolluscaBase).

*moupiniana*, *Helix* – Deshayes, 1870b: 23; 1874b: 13, as *Helix maupiniana*, pl. 2, figs 16-18. Moupin, Tibet. — Type age: Recent. — Type material: MNHN-IM-2000-34200, 4 syntypes. — Current status: *Macrochlamys moupiniana* (Deshayes, 1863) (MolluscaBase).

*problematicus*, *Limax* – Deshayes, 1851-*HistNatTerrFluv2*(1): 963, *ex Férussac* ms; 1851-*HistNatTerrFluv*: 3, pl. 8F, figs 13-17. Uncaptioned pl. 8F issued in 1839. — Type locality: none given. — Type age: Recent. — Type species (SD Humbert, 1863) of *Parmarion* P. Fischer, 1855. Also type species (SD Schileyko, 2003) of the synonymous *Rigasias* H. Adams & A. Adams, 1858. — Current status: *Parmarion problematicus* (Deshayes, 1851) (MolluscaBase).

*vitrioides*, *Helix* – Deshayes, 1831c: [1], pl. 26; 1832-EncyMeth: 225. — Type locality: none given [“India”, according to some authors]. — Type age: Recent. — Type material: not found. — Type species (SD Baker, 1941) of *Tanychlamys* Benson, 1834 (ICZN Code Art. 67.2.2). — Type species of *Macrochlamys* Benson, 1836 (SD J. E. Gray, 1847) as well as type species (OD) of *Orobia* Martens, 1860. *Macrochlamys* is the type genus of Macrochlamyidae Godwin-Austin, 1888, a subfamily of the Ariophantidae. However, because this species name had been applied to three different Indian species, and has no type material or type locality, it is impossible if to know if it was even originally from India. Raheem *et al.* (2014: 152) argued that it is in the interest of stability to continue to regard *Macrochlamys indica* Benson, in Godwin-Austin, 1883, as the type species of *Macrochlamys* (and presumably of all three genera), representing a probably misidentified concept of Deshayes’ species (ICZN Code Art. 70.3). What was discussed and figured as Deshayes’ species in Schileyko (2004: 1322-1324, fig. 1728) is one of the Indian species. Preece *et al.* (2022: 228, 248) outlined the complicated nomenclatural history of *Macrochlamys* and *Tanychlamys* and concluded that “From Deshayes’s description, *Helix vitrioides* is unlikely to belong to the currently accepted concept of *Macrochlamys* sensu Godwin-Austen”. This species thus remains a *nomen dubium*, but a neotype to fix this species on Godwin-Austen’s concept would ensure nomenclatural stability.

#### Family OLEACINIDAE H. Adams & A. Adams, 1855

*cordieri*, *Achatina* – Deshayes, 1863-DescrCoqFoss: 836–837, 53, pl. 53, figs 4–6. — Type localities: Auvers-sur-Oise, Sarrans, Cuis & Damery. — Type age: Eocene (Lutetian-Bartonian). — Current status: *Palaeoglandina cordieri* (Deshayes, 1863) (Le Renard & Pacaud 1995: 130; Pacaud 2008: 77).

*fragilis*, *Achatina* – Deshayes, 1863-DescrCoqFoss: 839, 53, pl. 53, figs 13–15 [in text as figs 10–12]; 1865-DescrCoqFoss: 666 [error corrected]. — Type locality: Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). Preoccupies *Achatina fragilis* E. A. Smith, 1899, which was renamed *Achatina nyikaensis* Pilsbry, 1909. — Current status: *Pseudoleacina fragilis* (Deshayes, 1863) (Le Renard & Pacaud 1995: 130, 132).

*marminii*, *Achatina* – Deshayes, 1830a-EncyMeth: 11; 1831c: [1], pl. 19. — Type locality: none given; Mr. Marmin. — Type age: Recent. — Current status: *taxon inquirendum*.

*oleacea*, *Achatina* – Deshayes, 1830a-EncyMeth: 11; 1831c: [1], pl. 3, ex Férussac ms. — Type locality: Antilles; Marmin. — Type age: Recent. *Helix oleacea* Férussac, 1821 (Férussac 1821: 54), was a *nomen nudum*. — Current status: the Cuban *Oleacina* (*Laevoleacina*) *oleacea* (Deshayes, 1830) (Espinosa & Ortea 1999: 115, as “Férussac”).

*petiti*, *Achatina* – Deshayes, 1851-HistNatTerrFluv2 (2): 175-176, 17, pl. 122, figs 12-14. — Type locality: north of Lake Nicaragua. — Type age: Recent. Does not preoccupy *Achatina petitiana* Benoit, 1862. — Current status: *Oleacina petiti* (Deshayes, 1851) (Tryon 1885: 38-39, pl. 7, fig. 98).

*semisulcata*, *Achatina* – Deshayes, 1830a-EncyMeth: 11; 1851-HistNatTerrFluv2 (2): 186-187, 17, pl. 123, figs 7-8. — Type locality: none given. — Type age: Recent. — Current status: *nomen dubium*.

*straminea*, *Achatina* – Deshayes, 1851-HistNatTerrFluv2(2): 172-173, 18, pl. 123, figs 11-12. — Type locality: none given. — Type age: Recent. — Type species (OD) of *Laevoleacina* Pilsbry, 1907. The Cuban *Laevoleacina straminea* (Deshayes, 1851) (Schileyko 2000: 854-855, fig. 1126B-C). — Current status: *Oleacina* (*Laevoleacina*) *straminea* (Deshayes, 1830) (Espinosa *et al.* 2017: 79, 104, pl. 23A).

*tournoueri*, *Pseudoleacina* – Pacaud (2008: 77) listed this as a Deshayes (1863), but the author of this species was Denainvilliers, 1875 (Le Renard & Pacaud 1995: 130).

#### Family SPIRAXIDAE H. B. Baker, 1939

*audebarti*, *Achatina* – see next entry.

*daudebarti*, *Achatina* – Deshayes, 1851-HistNatTerrFluv2(2): 183-184, 19 [as *A. “audebarti”*], pl. 135, figs 1-2. — Type locality: Central America. — Type age: Recent. *Glandina audebarti* P. Fischer & Crosse, 1870, unjustified emendation (Breure *et al.* 2022a: 64). — Current status: *Englandina daudebarti* (Deshayes, 1851) (F. G. Thompson 2011: 168).

*decussata*, *Achatina* – Deshayes, 1851-HistNatTerrFluv2(2): 182-183, 17, pl. 123, figs 3-4, 19, pl. 134, figs 33-35. — Type locality: none given. — Type age: Recent. — Current status: the Mexican *Englandina* (*Singleya*) *decussata* (Deshayes, 1851) (F. G. Thompson 2011: 172, as “1840”).

#### Family HAPLOTREMATIDAE H. B. Baker, 1925

*dissidens*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 97; 1851-HistNatTerrFluv: 15, pl. 84, figs 1-2. — Type locality: North America. — Type age: Recent. — Current status: synonym of *Haplotrema concavum* (Say, 1821) [*Helix*] (Pilsbry 1946: 208).

#### Family SAGDIDAE Pilsbry, 1895

*Polidontes* – Deshayes, 1832-EncyMeth: 804. Incorrect subsequent spelling of *Polydontes* Montfort, 1810.

*bracteola*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 84; 1851-HistNatTerrFluv: 15, pl. 86, fig. 2, ex Férussac ms. Uncaptioned pl. 86 issued in 1840. — Type locality: Martinique; Rang. — Type age: Recent. — Current status: synonym of *Lacteoluna selenina* (Gould, 1848) [*Helix*] (Pilsbry 1940: 980-982, figs 568-569, without synonymy).

*dissita*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 248-249; 1851-HistNatTerrFluv: 5, pl. 16, figs 1-2. — Type locality: “Amerique?”. — Type age: Recent. — Type material: MNHN-IM-2000-1880, 2 syntypes. — Current status: the Caribbean *Hispaniolana dissita* (Deshayes, 1850) (MolluscaBase).

#### Family SOLAROPSIDAE H. Nordsieck, 1986

*bizonalis*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 68-69; 1851-HistNatTerrFluv: 12, pl. 63, figs 11-12. — Type locality: none given [Haiti?]. — Type age: Recent. — Type material: MNHN-IM-2000-1841, syntype; MNHN-IM-2000-1842, 2 syntypes. — Current status: *Caraculus bizonalis* (Deshayes, 1850) (MolluscaBase).

*bornii*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 374-375; 1851-HistNatTerrFluv: 12, pl. 63, figs 7-8, ex Chemnitz ms. Uncaptioned pl. 63 issued in 1822. — Type locality: Puerto Rico. — Type age: Recent. — Current status: synonym of *Caraculus marginella* (Gmelin, 1791) (van der Schalie 1948: 75).

*brasiliانا*, *Helix* – Deshayes, 1832-EncyMeth: 211; 1850-HistNatTerrFluv1: 65; 1851-HistNatTerrFluv: 14, pl. 75B, figs 6, 9. — Type locality: Brazil. — Type age: Recent. — Type material:



**MNHN-IM-2000-1846**, 8 syntypes. — Current status: *Solaropsis brasiliiana* (Deshayes, 1832) (Simone 2006: 240, as *S. "brasiliiana"*; Cuzzo et al. 2018).

*nuberculata*, *Helix* – Deshayes, 1831c: [2], pl. 28; 1832-EncyMeth: 220; 1838-HistNatAnim2: 100-101; 1843-HistNatAnim3: 304; 1850-HistNatTerrFluv1: 66; 1851-HistNatTerrFluv: 14, pl. 69-I, fig. 1 [in text as "figs 1-4"]. — Type locality: none given. — Type age: Recent. — Type material: **MNHN-IM-2000-2010**, syntype. — Current status: *Solaropsis nuberculata* (Deshayes, 1831) (Pilsbry 1890-1891: 191, pl. 54, figs 30-32, as *Helix (Solaropsis)*).

### Family HELICIDAE Rafinesque, 1815

*arvernensis*, *Helix* – Deshayes, 1863-DescrCoqFoss: 812. Introduced for previously misidentified *Helix cocquii* Brongniart, 1810, by Bouillet (1835) and Boissy (1844). — Type localities: Machal, Chaptuzat, Jussat, Puy de Marman, Nonette & Roche-Blanche. — Type age: Oligocene (Chartian). Noulet (1858: 420) had earlier introduced the new name *Helix obesa* for the species misidentified by Bouillet and de Boissy. However, this name is a junior primary homonym of *Helix obesa* Beck, 1837. Synonym of *Cepaea moroguesi* (Brongniart, 1810) [*Helix*] (Truc 1971: 281). — Current status: *Palaeotachea moroguesi* (Brongniart, 1810) (Kadolsky 1989).

*asperula*, *Helix* – Deshayes, 1832-EncyMeth: 251; 1838-HistNatAnim2: 137; 1843-HistNatAnim3: 317. — Type locality: Touraine. — Type age: Miocene. — Type species (OD) of *Trachytachea* Pfeffer, 1930. *Hemicycla asperula* (Deshayes, 1832) (Wenz 1923: 573). *Helix (Eobania) turonensis* [Deshayes] *asperula* Deshayes, 1830 (Peyrot 1932: 433-434, pl. 16, figs 7-9). — Current status: synonym of *Megalotachea turonensis* (Deshayes, 1832) (Truc 1971: 281).

*aureliana*, *Helix* – Deshayes, 1863-DescrCoqFoss: 807-808, 51, pl. 51, figs 8-10, ex Brongniart ms. — Type localities: Marigny, Fay-aux-Loges, Neuville-aux-Bois, La Chapelle, Pontournois near Pithiviers & near Chartres. — Type age: Miocene (Aquitanian). — Current status: synonym of *Cepaea moroguesi* (Brongniart, 1810) (Wenz 1923: 639), now *Palaeotachea moroguesi* (Brongniart, 1810) (MolluscaBase).

*barrandii*, *Helix* – Deshayes, 1863-DescrCoqFoss: 808, 51, pl. 51, figs 19-21. — Type localities: Marigny, Fay-aux-Loges, La Chapelle & Chartres. — Type age: Oligocene (Rupelian and Chartian). — Current status: synonym of *Cepaea moroguesi* (Brongniart, 1810) [*Helix*] (Wenz 1923: 639), now *Palaeotachea moroguesi* (Brongniart, 1810) (MolluscaBase).

*beyrichi*, *Helix* – Deshayes, 1863-DescrCoqFoss: 810-811, 52, pl. 52, figs 1-4. — Type locality: Fontainebleau. — Type age: Oligocene (Rupelian). — Current status: *Cepaea beyrichi* (Deshayes, 1863) (Wenz 1923: 608).

*brongniarti*, *Helix* – Deshayes, 1863-DescrCoqFoss: 812-813, 51, as *H. brongniarti*, pl. 51, figs 14, 17-18 [fig. 14 not listed in text]. — Type localities: Pontournois, Fay-aux-Loges & Marigny. — Type age: Miocene (Aquitanian). 1865-DescrCoqFoss: 666 [correction noted]. — Current status: synonym of *Cepaea moroguesi* (Brongniart, 1810) (Wenz 1923: 639), now *Palaeotachea moroguesi* (Brongniart, 1810) (MolluscaBase).

*cingulina*, *Helix* – Deshayes, 1840-HistNatTerrFluv1: 26; 1851-HistNatTerrFluv: 13, pl. 68, fig. 4. Uncaptioned pl. 68 issued in 1832. — Type locality: "Scheneberg" [Schneeberg], Austria. — Type age: Recent. Preoccupies *Helix cingulina* Strobel, 1844. — Current status: *Chilostoma achates cingulina* (Deshayes, 1839) (Schileyko 2013: 154).

*cyclolabris*, *Helix* – Deshayes, 1840-HistNatTerrFluv1: 32-33; 1851-HistNatTerrFluv: 13, pl. 68, fig. 7. Uncaptioned pl. 68 issued in 1832. — Type locality: Naxos Island, Greece. — Type age: Recent. — Current status: *Thiessa cyclolabris* (Deshayes, 1839) (MolluscaBase).

*defrancii*, *Helix* – Deshayes, 1863-DescrCoqFoss: 804-805, 51, pl. 51, figs 11-13 [in text as figs 11-14]; 1863-DescrCoqFoss: 666 [correction noted]. — Type localities: Marigny, La Chapelle, Fay-aux-Loges, Neuville-aux-Bois, Blois & Montabuzard. — Type age: Miocene (Aquitanian). — Current status: synonym of *Cepaea moroguesi* (Brongniart, 1810) [*Helix*] (Wenz 1923: 639), now *Palaeotachea moroguesi* (Brongniart, 1810) (MolluscaBase).

*discordialis*, *Helix* – Deshayes, 1839-HistNatTerrFluv1: 13-14; 1851-HistNatTerrFluv: 14, pl. 74, fig. 1, ex Férussac ms. Uncaptioned pl. 74 issued in 1832. — Type locality: not stated. — Type age: Recent. — Type material: **MNHN-IM-2000-1863**, holotype. — Type species (M) of *Erigone* Albers, 1850, non Audoin, 1826 [Arachnida]; *Helerigone* Strand, 1910, replacement name, but now considered to be a synonym of *Chloritis* Beck, 1837. — Current status: the Philippines *Chloritis discordialis* (Deshayes, 1839) (MolluscaBase).

*discus*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 360-361; 1851-HistNatTerrFluv: 12, pl. 62A, fig. 4, non Thomä, 1845. — Type locality: none given. — Type age: Recent. — Type material: **MNHN-IM-2000-2025**, holotype. — Current status: synonym of *Obba parmula* (Broderip, 1841) [*Helix*] from the Philippine Islands (MolluscaBase).

*dubia*, *Helix* – Deshayes, 1824-DescrCoqFoss: 55, 3, pl. 6, fig. 3, non G. Fischer, 1807; 1832-EncyMeth: 250; 1863-DescrCoqFoss: 826 [species now doubtful]. — Type localities: Saint-Cyr & Isle of Wight. — Type age: Recent. — Current status: *Taxon inquirendum* (Wenz 1923: 1111).

*duvauxii*, *Helix* – Deshayes, 1832-EncyMeth: 251-252; 1838-HistNatAnim2: 138; 1843-HistNatAnim3: 318. — Type locality: Touraine; Mr. Duvaux. — Type age: Miocene. Synonym of *Hemicycla asperula* (Deshayes, 1832) (Wenz 1923: 574). — Current status: synonym of *Megalotachea turonensis* (Deshayes, 1832) (Truc 1971: 281).

*eumicron*, *Helix* – Deshayes, 1863-DescrCoqFoss: 821-822, 52, pl. 52, figs 19-22. — Type locality: Côte Saint-Martin (Étampes). — Type age: Oligocene (Rupelian). — Type material: MNHN.F.J04143, syntype. — Current status: *Taxon inquirendum* (Wenz 1923: 1111).

*eversa*, *Helix* – Deshayes, 1851-HistNatTerrFluv1: 395-396, 22, Foss pl. 1, figs 5-7. — Type locality: Faluns de Touraine. — Type age: Miocene. Synonym of *Megalotachea turonensis* (Deshayes, 1831) [*Helix*] (Höltke & Rasser 2016: 251).

*exornata*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 220-221, pl. 17A, figs 9-11; 1851-HistNatTerrFluv: 5, in fig. expl. as "*H. ornata*". Uncaptioned pl. 17A issued in 1839. — Type locality: none given; Férussac coll. — Type age: Recent. — Current status: *Leptaxis exornata* (Pilsbry 1888-1889: 198, pl. 51, figs 13-14, as *Helix (Leptaxis)*).

*flosa*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 220; 1851-HistNatTerrFluv: 10, pl. 29A, figs 22-23. — Type locality: none given. — Type age: Recent. — Current status: possibly *Cepaea* (Pilsbry 1895: 322, following L. Pfeiffer and as *Helix (Tachea* W. Turton, 1831), a junior homonym, non J. Fleming, 1822.

*gibbosula*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 224; 1851-HistNatTerrFluv: 16, pl. 107, figs 1-3 [figs cited in the text in error as "1-2, 8"]. — Type locality: none given. — Type age: Recent. — Current status: possibly *Cepaea* (Pilsbry, 1895: 322, following L. Pfeiffer and as *Helix (Tachea* W. Turton, 1831), subgenus a junior homonym, non J. Fleming, 1822.

*hongkongensis*, *Helix* – Deshayes, 1874b: 3, pl. 3, figs 7-9; 1876: 87-88. — Type locality: Hong Kong, China. — Type age: Recent. — Current status: *taxon inquirendum*.

*insubrica*, *Helix* – Deshayes, 1840-HistNatTerrFluv1: 30; 1851-HistNatTerrFluv: 13, pl. 68, fig. 3, *non* De Cristofori & Jan, 1832. Uncaptioned pl. 68 issued in 1832. The figure was not those cited in the text, pl. 69, figs 1-5, which were instead of *Helix setipila* Rossmässler, 1835. — Type locality: Near Lake Como, Italy. — Type age: Recent. — Current status: synonym of the European *Chilostoma tigrinum* (De Cristofori & Jan, 1832) [*Helix*]. However, the latter is also a primary junior homonym, *non* Férussac, 1821, so a replacement name may be needed.

*joncheryensis*, *Helix* – Deshayes, 1858: 553, *nomen nudum*.

*lucasi*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 122-124; 1851-HistNatTerrFluv: 16, pl. 96, figs 8-12. — Type locality: Oran, Algeria; sandy areas near sea. — Type age: Recent. — Type material: MNHN-IM-2000-31721, 10 syntypes; MNHN-IM-2000-31722, 3 syntypes; MNHN-IM-2000-31723, 2 syntypes; MNHN-IM-2000-31724, 3 syntypes. — Current status: synonym of *Otala lactea* (O. F. Müller, 1774) [*Helix*] (Kneubühler *et al.* 2019: 17-19, fig. 16D).

*maguntina*, *Helix* – Deshayes, 1832-EncyMeth: 252; 1838-HistNatAnim2: 138; 1843-HistNatAnim3: 318. — Type locality: Mayence, Germany. — Type age: Miocene; Mr. Hoeninghaus. — Type species (OD) of *Mesotachea* Pfeffer, 1930. *Megalotachea maguntina* (Deshayes, 1832) (H. Nordsieck 2017: 68, fig. 13). — Current status: *Palaeotachea maguntina* (Deshayes, 1832) (Kadolsky 2020: 16).

*munieri*, *Helix* – Deshayes, 1863-DescrCoqFoss: 809, 51, pl. 51, figs 22-24. — Type locality: Côte Saint-Martin (Étampes). — Type age: Oligocene (Rupelian). — Type material: MNHN.F.J03356, holotype. Does not preoccupy *Helix munieriana* Crosse & Debeaux, 1863, which was unnecessarily renamed *Helix tchefouensis* Crosse & Debeaux, 1864) (Breure *et al.* 2022a: 165, 215). — Current status: *Parachloraea munieri* (Deshayes, 1863) (Lozouet *et al.* 2012: 416-417, fig. 282: 5-8).

*noueli*, *Helix* – Deshayes, 1863-DescrCoqFoss: 803-804, 51, pl. 51, figs 15-16. — Type localities: Montabuzard, La Chapelle, near Chartres & Della Badia (Piémont). — Type age: Eocene (Lutetian). — Type material: MNHN.F.J04129, syntype. — Current status: *Cepaea noueli* (Deshayes, 1863) (Wenz 1923: 647).

*obscura*, *Helix* – Deshayes, 1874b: 13, pl. 3, figs 11-12; 1876: 86-87, *non* O. F. Müller, 1774. — Type locality: Hong Kong, China. — Type age: Recent. — Current status: *taxon inquirendum*.

*ornata*, *Helix* – see: *exornata*, *Helix*.

*perforata*, *Helix* – Deshayes, 1874b: 14, pl. 3, figs 29-32; 1876: 92-93. — Type locality: Peking, China. — Type age: Recent. Preoccupies *Helix niciensis* var. *perforata* Caziot, 1910. — Current status: *taxon inquirendum*.

*plicatilis*, *Helix* – Deshayes, 1870b: 20-21; 1874b: 13, pl. 2, figs 13-15. — Type locality: Moupin, Tibet. — Type age: Recent. — Type material: MNHN-IM-2000-34195, 8 syntypes. — Current status: *taxon inquirendum*.

*pouzolzi*, *Helix* – Deshayes, 1831c: [1-2], pl. 30, *ex* Payraudeau ms; 1850-HistNatTerrFluv1: 59-61; 1851-HistNatTerrFluv: 13, pl. 69G, figs 1-8 [in text as “1-6”]. — Type locality: Corsica. — Type age: Recent. — Type material: MNHN-IM-2000-31636, syntype. This species was a *nomen nudum* in Payraudeau (1826: 102-103). — Current status: *Chilostoma (Dinarica) pouzolzi* (Deshayes, 1830) (Schileyko 2006: 1780-1781, fig. 2280, with this species mistakenly listed as the type species of *Dinarica* Kobelt, 1902; Schileyko 2013: 158).

*rupelli*, *Helix* – Deshayes, 1870b: 19-20 [as *rupelli*]; 1874b: 12 [as *rupelli*], pl. 2, figs 1-2. — Type locality: Moupin, Tibet [west of Chengdu, Sichuan, China]. — Type age: Recent. — Type material: MNHN-IM-2000-34193, syntype. Perhaps intended to honor Wilhelm Peter Eduard Simon Rüppell (1794-1884), a German biologist who explored northern Africa, but Deshayes did not say so, and his original spelling has to stand. — Current status: *taxon inquirendum*.

*scabriuscula*, *Helix* – Deshayes, 1832-EncyMeth: 258; 1838-HistNatAnim2: 135; 1843-HistNatAnim3: 316. — Type locality: Sicily; Mr. Caron. — Type age: Recent. *Murella scabriuscula* (Deshayes, 1832) (K. L. Pfeiffer, 1931: 108-111, pl. 8, fig. 10). — Current status: *Marmorana (Murella) scabriuscula* (Deshayes, 1832) (Schileyko 2013: 158).

*securiformis*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 362; 1851-HistNatTerrFluv: 13, pl. 64A, figs 5-6. — Type locality: none given. — Type age: Recent. — Current status: *taxon inquirendum*.

*sicana*, *Helix* – Deshayes, 1838-HistNatAnim2: 130-131; 1850-HistNatTerrFluv1: 244-245; 1851-HistNatTerrFluv: 9, pl. 28B, fig. 7, *ex* Férussac ms. — Type locality: Sicily. — Type age: Recent. — Current status: *Marmorana (Murella) platychela* [Menke, 1830] *sicana* (Deshayes, 1838) (K. L. Pfeiffer 1931: 106-107, pl. 9, fig. 32, as “Fer[ussac].”).

*subechinata*, *Helix* – Deshayes, 1870b: 22; 1874b: 13, pl. 2, figs 19-21. — Type locality: Moupin, Tibet. — Type age: Recent. — Type material: MNHN-IM-2000-34198, 2 syntypes. — Current status: *taxon inquirendum*.

*sudetica*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 41; 1851-HistNatTerrFluv: 14, pl. 69J, figs 18-19, *ex* Charpentier ms. — Type localities: Silésie, Warth & near Neiffe; Mr. Audouin. Uncaptioned pl. 69J issued in 1841. — Type age: Recent. — Current status: synonym of *Faustina faustina* (Rossmässler, 1835) [*Helix*] (R. Bank, pers. comm., November 23, 2022), type species of *Faustina* Kobelt, 1904, by tautonymy.

*tessellata*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 232-233; 1851-HistNatTerrFluv: 5, pl. 17A, figs 12-13, *ex* Férussac ms. Uncaptioned pl. 17A issued in 1839. — Type localities: Majorca & Baléres. — Type age: Recent. — Current status: synonym of *Allognathus grateloupi* (Graells, 1846) [*Helix*] (R. Bank, pers. comm., November 23, 2022).

*turonensis*, *Helix* – Deshayes, 1831b: 139-140, 259, pl. 1, figs 1-2; 1832-EncyMeth: 251. 1838-HistNatAnim2: 137-138; 1843-HistNatAnim3: 317-318; 1851-HistNatTerrFluv1: 394-395, 22, Foss. pl. 1, figs 2, 4. — Type locality: Mayence. — Type age: Miocene. — Type species (SD Truc, 1971) of *Megalotachea* Pfeffer, 1930. — Current status: *Megalotachea turonensis* (Deshayes, 1831) (Harzhauser *et al.* 2014b: 37, pl. 11, figs 1-4).

*volhyniensis*, *Helix* – Deshayes, 1840-HistNatTerrFluv1: 35, *ex* Andrzejowski ms. In synonymy with *Helix faustina* Rossmässler, 1835, *ex* Ziegler ms. — Current status: synonym of the European *Faustina faustina* (Rossmässler, 1835).

●  
*chastellii*, *Helix* – This species was credited to “Deshayes in Férussac, 1832”, in Fischer-Piette *et al.* (1994: 230), but Deshayes was not involved when Férussac made this name available, although Deshayes did discuss it in his part of this work in 1850. — Current status: *Kalidos chastellii* (Férussac, 1832).

*chemnitziana*, *Clausilia* – Deshayes, 1838-HistNatAnim2: 217, *ex* Férussac ms. Jamaica. — Type age: Recent. Listed by Sherborn (1925: 1221) as a Deshayes name. However, as Deshayes made clear,



this name was proposed by Férussac (1821), as *Helix* (*Cochlodina*) *chemnitziana*, also listed by Sherborn. — Current status: *Apoma chemnitzianum* (Férussac, 1821).

Unallocated “*Helix*”

*atrolineata*, *Helix* – Deshayes, 1851-HistNatTerrFluv: 10, pl. 29A, figs 4-7; not in text. — Type locality: none given. — Type age: Recent. — Current status: *taxon inquirendum*.

*complanata*, *Helix* – Deshayes, 1839-HistNatTerrFluv1: 9-10; 1851-HistNatTerrFluv: 13, pl. 69B, fig. 2, *non* Linnaeus, 1758. — Type locality: Bolivia. — Type age: Recent. — Current status: *taxon inquirendum*.

*nicobarica*, *Helix* – Deshayes, 1839: [1], pl. 3, *ex* Chemnitz ms. — Type locality: none given, but Nicobar Islands implied. — Type age: Recent. — Current status: *taxon inquirendum*.

*perdita*, *Helix* – Deshayes, 1876: 93-95, 99, pl. 1, figs 12-15, *non* Reeve, 1851. — Type locality: Peking, China. — Type age: Recent. — Current status: *taxon inquirendum*.

*scalprum*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 362-363; 1851-HistNatTerrFluv: 13, pl. 64A, figs 2-4 [in 1850 text in error as “pl. 62A”], *ex* Valenciennes ms. — Type locality: none given. — Type age: Recent. — Current status: *taxon inquirendum*.

*semiparita*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 187-188; 1851-HistNatTerrFluv: 15, pl. 89, fig. 5. — Type locality: none given. — Type age: Recent. — Current status: *taxon inquirendum*.

*striatissima*, *Helix* – Deshayes, 1876: 84, 99, pl. 1, figs 1-4. — Type locality: Hong Kong. — Type age: Recent. — Current status: *taxon inquirendum*.

*villae*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 295-296, pl. “91” [90], fig. 9; 1851-HistNatTerrFluv: 15. — Type locality: none given. — Type age: Recent. Preoccupies *Helix villae* L. Pfeiffer, 1856, which has been synonymized with *Oxychilus mortilleti* (L. Pfeiffer, 1859) [*Helix*]. — Current status: *taxon inquirendum*.

#### Family CAMAENIDAE Pilsbry, 1895

*Cochlostila* – Deshayes, 1830a-EncyMeth: 249. Incorrect subsequent spelling of *Cochlostyla* Férussac, 1821.

*arbusticola*, *Helix* – Deshayes, 1870b: 20; 1874b: 12, pl. 2, figs 6-7. — Type locality: Moupin, Tibet. — Type age: Recent. — Type material: MNHN-IM-2000-34192, syntype. — Current status: *Coccolypta arbusticola* (Deshayes, 1870) (Páll-Gergely et al. 2019: 602-604, syntype figd.).

*ardouini*, *Helix* – Deshayes, 1832-EncyMeth: 266. — Type locality: none given; *Astrolabe*. — Type age: Recent. — Current status: synonym of *Papuina lituus* (Lesson, 1831) [*Helix*], the type species (OD) of *Papuina* Martens, 1860 (MolluscaBase).

*borbonica*, *Helix* – Deshayes, 1863: 85-86, pl. 10, figs 9-11. — Type locality: La Réunion. — Type age: Recent. — Current status: synonym of *Bradybaena similis* (Férussac, 1822) [*Helix*] (Nevill 1870: 404; Connolly 1939: 271).

*burtini*, *Helix* – Deshayes, 1874a: pl. 3, figs 1-3; 1876: 83-84. — Type locality: China. — Type age: Recent. — Current status: *Acusta ravidata* [Benson, 1842] *burtini* (Deshayes, 1874). However, without a more precise locality, correct assignment is impossible (S.-P. Wu, pers. comm., September 3, 2022).

*buvignieri*, *Helix* – Deshayes, 1874b: 14, pl. 3, figs 22-24; 1876: 90-91. — Type locality: Peking, China. — Type age: Recent. — Current status: listed under *Helix* (*Cathaica*) by Pilsbry (1892: 212-213, pl. 48, figs 21-25).

*cailliaudii*, *Helix* – Deshayes, 1839b: 229; 1839e: 1-2, pl. 5; 1850-HistNatTerrFluv1: 253, pl. 93, figs 5-6; 1851-HistNatTerrFluv: 15. — Type locality: Manila, Philippine Islands. — Type age: Recent. — Type material: MNHN-IM-2000-1852, 2 syntypes; MNHN-IM-2000-1854, syntype. — Current status: *Calocochlea cailliaudi* (Deshayes, 1839) (MolluscaBase).

*carolus*, *Helix* – Deshayes, 1861b: 348-350, pl. 16, figs 1-2. — Type locality: northern end Luzon Island, Philippine Islands; C. Semper. — Type age: Recent. — Current status: *Helicobulinus carolus* (Deshayes, 1861) (MolluscaBase).

*coarctata*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 216-217; 1851-HistNatTerrFluv: 4, pl. 10B, figs 6-7, *ex* Férussac ms, *non* Montagu, 1803. Uncaptioned pl. 10B issued in 1840. — Type locality: none given. — Type age: Recent. — Type material: MNHN-IM-2062, holotype. — Current status: synonym of the Australian *Sphaerospira fraseri* (J. E. Gray, in Griffith & Pidgeon, 1833) (B. J. Smith 1992: 155, as “Férussac, 1839”; Stanic et al. 2010: 543).

*conoidea*, *Helix pikiensis* var. — Deshayes, 1874b: 13, pl. 3, fig. 16; 1876a: 88-89. — Type locality: mountains west of Peking, China. — Type age: Recent. — Current status: *Cathaica pekiensis* (Deshayes, 1874) (Yen 1939, as *H. “pekiensis”*).

*davidi*, *Helix* – Deshayes, 1870b: 20; 1874b: 13, pl. 2, figs 10-11. — Type locality: Moupin, Tibet. — Type age: Recent. — Type material: MNHN-IM-2000-34194, 5 syntypes. — Type species (SD Pilsbry, 1895) of *Armandia* Ancy, 1883, *non* Filippi, 1862 [Polychaeta]. *Armandiella* Ancy, 1901, replacement name. — Current status: *Armandiella davidi* (Deshayes, 1870) (Schileyko 2004: 1680-1681, fig. 2167).

*dionaea*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 276-277; 1851-HistNatTerrFluv: 9, pl. 28A, figs 11-12. — Type locality: none given. — Type age: Recent. — Current status: the Philippines *Trachystyla cryptica* [Broderip, 1841; *Helix*] *dionaea* (Deshayes, 1850) (MolluscaBase).

*egregia*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 302-303; 1851-HistNatTerrFluv: 16, pl. 102, figs 17-18. — Type locality: none given. — Type age: Recent. — Type material: MNHN-IM-2000-2027, syntype. — Current status: listed under *Helix* (*Camaena*) by Pilsbry (1891: 210, pl. 37, figs 43-44).

*gaimardi*, *Helix* – see: *gaymardi*, *Helix* below.

*gaymardi*, *Helix* – Deshayes, 1831c: [1], pl. 29 [on pl. as *H. “gaymardii”*]; 1832-EncyMeth: 210-211; 1839-HistNatTerrFluv1: 14, as *H. “gaimardi”* (ICZN Code Art. 24.2.4); 1838-HistNatAnim2: 100; 1843-HistNatAnim3: 304, both as *H. “gaimardi”*; 1851-HistNatTerrFluv: 14, pl. 72, figs 6-10, as *H. “gaimardi”* [in 1839: 4 mistakenly cited as “figs 7-10”]. — Type locality: none given [New Guinea]; Quoy & Gaimard. — Type age: Recent. — Type material: MNHN-IM-2000-2028, 2 syntypes. — Current status: *Chloritis gaymardi* (Deshayes, 1831) (MolluscaBase).

*inopinata*, *Helix* – Deshayes, 1870b: 21; 1874b: 12, pl. 2, figs 3-5. — Type locality: Moupin, Tibet. — Type age: Recent. — Type material: MNHN-IM-2000-34196, syntype. — Current status: *Trichocathaica inopinata* (Deshayes, 1870) (MolluscaBase).

*japonica*, *Helix* – Deshayes, 1850: 58-HistNatTerrFluv1: 58-59; 1851-HistNatTerrFluv: 13, pl. 69H, figs 5-6, *ex* Férussac ms, *non* L. Pfeiffer, 1847. Uncaptioned pl. 69H issued in 1840. — Type

locality: Japan. — Type age: Recent. — Current status: synonym of *Euhadra peliomphala* (L. Pfeiffer, 1850) (Pilsbry 1895: 213).

*lutuosa*, *Helix* – Deshayes, 1874b: 13, pl. 3, figs 18-21; 1876: 89-90. — Type locality: Peking, China. — Type age: Recent. — Current status: listed under *Helix (Cathaica)* by Pilsbry (1892: 212, pl. 48, figs 26-28).

*nucleus*, *Helix* – Deshayes, 1876: 85-86, pl. 3, figs 4-6, *non* Gmelin, 1791. — Type locality: Shanghai, China. — Type age: Recent. — Current status: *Bradybaena similis* [Férussac, 1822; *Helix*] *nucleus* (Deshayes, 1874) (MolluscaBase), but if recognized as a subspecies, it would have to be renamed.

*obliquata*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 219-220; 1851-HistNatTerrFluv: 9, pl. 28A, figs 3-4. — Type locality: none given. — Type age: Recent. — Current status: *Crystallopsis obliquata* (Deshayes, 1850), *taxon inquirendum* (MolluscaBase).

*oenostoma*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 304-304; 1851-HistNatTerrFluv: 15, pl. 95, fig. 5 [pl. given in text as “15”]. — Type locality: none given. — Type age: Recent. — Type material: MNHN-IM-2000-31770, syntype. — Current status: listed under *Helix (Euhadra)* by Pilsbry (1892: 223).

*pekiensis*, *Helix* – Deshayes, 1874b: 13, pl. 3, figs 14-15; 1876a: 88-89. — Type locality: mountains west of Peking, China. — Type age: Recent. — Current status: *Cathaica pekiensis* (Deshayes, 1874) (Yen 1939, misspelled as *H. pekiensis*). See var. *conoidea*, above.

*psittacina*, *Helix* – Deshayes, 1861b: 350-351, pl. 16, figs 3-5. — Type locality: northern end Luzon Island, Philippine Islands; C. Semper. — Type age: Recent. — Current status: *Chloraea psittacina* (Deshayes, 1861) (MolluscaBase).

*quoyi*, *Helix* – Deshayes, 1838-HistNatAnim2: 105, replacement name for *H. undulata* Quoy & Gaimard, 1832, “*non* Férussac, 1821”, but actually *non* Gmelin, 1791, *nec* Michaud, 1831; 1843-HistNatAnim3: 305-306; 1850-HistNatTerrFluv1: 47; 1851-HistNatTerrFluv: 14, pl. 73B, fig. 4. — Type locality: Lake Tondano, Celebes [North Sulawesi, Indonesia]. — Type age: Recent. — Current status: *Obba quoyi* (Deshayes, 1838) (MolluscaBase).

*quaesita*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 179-180; 1851-HistNatTerrFluv: 4, pl. 10B, figs 10-12. — Type locality: none given. — Type age: Recent. — Type material: MNHN-IM-2000-1979, holotype. — Current status: the Japanese *Euhadra quaesita* (Deshayes, 1850) (Páll-Gergely *et al.* 2019: 598; Yamagishi *et al.* 2020).

*submissa*, *Helix* – Deshayes, 1874b: 11-12, 13, pl. 2, figs 30-32. — Type locality: Moupin, Tibet. — Type age: Recent. — Type material: MNHN-IM-2000-31737, 53 syntypes; MNHN-IM-2000-31738, 8 syntypes. — Type species (OD) of *Trichobradyaena* Wu & Guo, 2003. — Current status: *Trichobradyaena submissa* (Deshayes, 1874) (Wu 2004: 112; Schileyko 2004: 1675-1676, fig. 2159).

*subrugosa*, *Helix* – Deshayes, 1874b: 14, pl. 3, figs 25-28; 1876a: 91-92, *non* Legrand, 1871. — Type locality: China. — Type age: Recent. — Current status: *Cathaica subrugosa* (Deshayes, 1874) (Yen, 1939), but as a junior primary homonym, the next available name would be *Cathaica kalganensis* (Möllendorff, 1875).

*subsimilis*, *Helix* – Deshayes, 1874b: 10-11, 13, pl. 2, figs 28-29. — Type locality: Moupin, Tibet. — Type age: Recent. — Current status: *Laeocathaica subsimilis* (Deshayes, 1874) (Wu 2004: 112).

*sutilosa*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 203-204; 1851: HistNatTerrFluv: 5, pl. 17A, figs 18-19. Uncaptioned pl. 17A issued in 1839. — Type locality: Jervis Bay, New South Wales, Australia. — Type age: Recent. This species first appeared as a *nomen nudum* in Férussac's *Prodrome* (1821: 43), and this was repeated by Beck (1838: 18), where it was also a *nomen nudum*. Deshayes finally made the

name available. — Type material: MNHN-IM-2000-1999, 7 syntypes. Following the advice of L. Pfeiffer, he thought it might be the same as *Helix jervisensis* Quoy & Gaimard, 1832: 126-127, pl. 10, figs 18-21, which also came from Jervis Bay, New South Wales, Australia. — Current status: *Cupedora sutilosa* (Deshayes, 1850).

*thibetica*, *Helix* – Deshayes, 1870b: 21-22; 1874b: 12, pl. 2, figs 8-9. — Type locality: Moupin, Tibet. — Type age: Recent. — Type material: MNHN-IM-2000-34197, 3 syntypes. — Current status: listed under *Helix (Cathaica)* by Pilsbry (1892: 208, pl. 47, figs 84-86).

*trochoides*, *Helix* – Deshayes, 1838-HistNatAnim2: 122-123, *non* Poiret, 1789. Replacement name for *Helix trochus* Quoy & Gaimard, 1832 (Quoy & Gaimard 1832: 100, pl. 8, figs 5-7), *non* O. F. Müller, 1774. — Type locality: Dorey, New Guinea. — Type age: Recent. — Current status: *Megalacron bequaerti* Clench & Turner, 1964 (Clench & Turner 1964: 48-49, pl. 9, fig. 10), replacement name.

*turbinata*, *Helix* – Deshayes, 1832-EncyMeth: 265; 1851-HistNatTerrFluv1: 322-323, as synonym of *Helix coniformis* Férussac, 1821. — Type locality: New Zealand. — Type age: Recent. — Current status: synonym of *Megalacron coniformis* (Férussac, 1821) [*Helix*] (Clench & Turner 1964: 39, pl. 9, fig. 9).

*turgens*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 316-317; 1851-HistNatTerrFluv: 17, pl. 108C, figs 11, 13. — Type locality: Philippine Islands. — Type age: Recent. — Current status: *Helicobulimus sarcinosa* [Férussac; *Helix*] *turgens* (Deshayes, 1850) (MolluscaBase).

#### Family CEPOLIDAE Ihering, 1909

*disculus*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 95-96 [February]; 1851-HistNatTerrFluv: 15, pl. 89, fig. 6. — Type locality: none given. — Type age: Recent. Preoccupies the Hawaiian *Helix disculus* L. Pfeiffer, 1850 [August], which was renamed *Helix obtusangulata* L. Pfeiffer, 1851. Also preoccupies *Helix disculus* A. Braun, in Walchner, 1851 [Discidae]. — Current status: synonym of the Haitian *Plagioptycha indistincta* (Férussac, 1821) [*Helix*] (Pilsbry 1889: 14-15, pl. 12, figs 41-43).

*hebe*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 211-212; 1851-HistNatTerrFluv: 10, pl. 37A, fig. 5. — Type locality: none given. — Type age: Recent. — Current status: *Coryda hebe* (Deshayes, 1850) (Espinoso *et al.* 2017: 81, as “1819”).

#### Family ELONIDAE Gittenberger, 1977

*corisopitensis*, *Helix* – Deshayes, 1832-EncyMeth: 210; 1838-HistNatAnim2: 85; 1843-HistNatAnim3: 298; 1851-HistNatTerrFluv: 14, pl. 75B, figs 1-3, pl. 76, fig. 2. — Type locality: edge of the Odet River, near Quimper, France. — Type age: Recent. Unnecessary replacement name for *Helix quimperiana* Blainville, 1821, because Deshayes did not regard it as being proper Latin. — Current status: *Elona quimperiana* (Blainville, 1821) (Gargominy *et al.* 2011: 335).

#### Family GEOMITRIDAE C. R. Boettger, 1909

*caroni*, *Helix* – Deshayes, 1832-EncyMeth: 262; 1850-HistNatTerrFluv1: 336-337; 1851-HistNatTerrFluv: 12, pl. 63B, figs 8-9. Sicily; Mr. Caron. — Type locality: Sicily. — Type age: Recent. — Type material: MNHN-IM-2000-23356, 1 syntypes; MNHN-IM-2000-23357, 8 syntypes. — Type species (SD Kobelt, 1892) of *Xerocochlea* Monterosato, 1892, now considered to be a synonym of *Trochoidea* T. Brown, 1827. — Current status: *Trochoidea (Trochoidea) caroni* (Deshayes, 1832) (Maio *et al.* 2013, with many illustrations).



*coronata*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 71-72; 1851-HistNatTerrFluv: 14, pl. 69K, figs 1-4, *non H. coronata* Studer, 1789. — Type locality: Madeira. — Type age: Recent. — Current status: synonym of *Serratorotula juliformis* (R. T. Lowe, 1852) [*Helix*] (Lowe 1855: 194, without mention of the homonymy).

*heberti*, *Helix* – Deshayes, 1863-DescrCoqFoss: 813, 52, pl. 52, figs 5-7. — Type localities: Verneuil, Sarans, Avise, Cuis, Damery, place de l'Europe (Paris) & ? Auvers-sur-Oise. — Type age: Eocene (Bartonian). — Type material: MNHN.F.J04166, 2 syntypes from Damery. — Current status: *Ochthephila* (*Caseolus*) *heberti* (Pacaud & Le Renard 1995: 131, as “*Ochthephila*”).

*michaudi*, *Helix* – Deshayes, 1832-EncyMeth: 263. — Type locality: Tenériffe; Mr. Michaud. — Type age: Recent. 1838-HistNatAnim2: 98; 1843-HistNatAnim3: 303. — Type species (OD) of *Lemniscia* R. T. Lowe, 1855. — Current status: *Lemniscia michaudi* (Deshayes, 1832) (Lowe, 1855: 170).

#### Family HYGROMIIDAE Tryon, 1866

*phaseolina*, *Helix* – Deshayes, 1851-HistNatTerrFluv1: 396, 22, Foss. pl. 1, fig. 3. — Type locality: none given. — Type age: Lower Miocene. — Current status: *Leucochroopsis phaseolina* (Deshayes, 1851) (Binder 2002: 172).

*prestwichii*, *Helix* – Deshayes, 1863-DescrCoqFoss: 802-803, 49, pl. 49, figs 13-15. — Type locality: Cuis. — Type age: Eocene (Ypresian). — Current status: synonym of *Loganiopharynx rarus* (De Boissy, 1840) (Wenz 1923: 459).



*corcyrensis*, *Lindholmia* – Although attributed to Deshayes by several authors (e.g., H. Nordsieck 1989: 166; Steffek 1982), this species name was first treated by Rossmässler (1835: 40, pl. 39, fig. 538), as *Helix corcyrensis* “Partsch,” published in synonymy of *Helix contorta* “Ziegler.” While the latter is an available name, it is a junior primary homonym several times over, including *non* Linnaeus, 1758. Deshayes (1839-HistNatTerrFluv: 21; 1840-HistNatTerrFluv: pl. 69-E, figs 1-5) was the first author to make *H. corcyrensis* Rossmässler, 1838 available pursuant to ICZN Code Art. 11.6.1. — Current status: *Lindholmia corcyrensis* (Rossmässler, 1838) (Subai & Neubert 2014: 39-56).

#### Family PLEURODONTIDAE Ihering, 1912

*bifurcata*, *Helix* – Deshayes, 1838b: 19, *nomen nudum*; 1838c: 3, pl. 111, fig. 2; 1851-HistNatTerrFluv1: 386-387, 12, pl. 54B, fig. 1. — Type locality: none given. — Type age: Recent. Mr. Kéraudren. — Type material: MNHN-IM-2000-1834, lectotype from Cayenne; MNHN-IM-2000-1836, 2 paralectotypes from Peru. — Current status: The northern South American *Labyrinthus bifurcata* (Deshayes, 1838) (Breure et al. 2022b: 220-221, fig. 298, lectotype).

*lactor*, *Helix soror* [Férussac, 1821] – 1851-HistNatTerrFluv1: 12, pl. 54A, figs 1-3. — Type locality: none given. — Type age: Recent. — Current status: synonym of the Jamaican *Pleurodonte peracutissima* (C. B. Adams, 1845) [*Helix*] (Rosenberg & Muratov 2006: 132, 161).

#### Family POLYGYRIDAE Pilsbry, 1895

*Stenostrema* – Deshayes, 1832-EncyMeth: 982. Incorrect subsequent spelling of *Stenotrema* Rafinesque, 1815.

*bulbina*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 108-109; 1851-HistNatTerrFluv: 15, pl. 85, figs 14-18. — Type localities: Ohio, Mississippi & Missouri. — Type age: Recent. — Current status: possible synonym of *Allogona profunda* (Say, 1821) [*Helix*] (MolluscaBase).

*cicercula*, *Helix* – Deshayes, 1851-HistNatTerrFluv1: 390, 16, pl. 107, figs 4-10, *non* Gould, 1846 [Hawaiian land snail], *nec* L. Pfeiffer, 1848. — Type locality: Peru. — Type age: Recent. — Current status: synonym of *Praticolella griseola* (L. Pfeiffer, 1841) [*Helix*] (Tryon 1888: 76).

*convexa*, *Helix* – Deshayes, 1832-EncyMeth: 253, *ex* Rafinesque ms, *non* Link, 1807; 1850-HistNatTerrFluv1: 144; 1851-HistNatTerrFluv: 11, pl. 50A, fig. 2. — Type locality: “Central America”. — Type age: Recent. — Current status: synonym of the North American *Euchemotrema fraternum* (Say, 1824) (Pilsbry 1940: 681-684, fig. 422a).

*lingulata*, *Helix* – Deshayes, 1839-HistNatTerrFluv1: 6-7; 1840: pl. 69D [without captions]; 1851-HistNatTerrFluv: 13, pl. 69D, fig. 1, *ex* Férussac ms. — Type locality: Havana, Cuba. — Type age: Recent. — Current status: *Polygyra lingulata* (Deshayes, 1839) (Espinoso & Ortea 1999: 120).

*notata*, *Helix* – Deshayes, 1832-EncyMeth: 224. Unjustified emendation of *Helix denotata* Férussac, 1823, now *Xolotrema denotata* (Férussac, 1823) [*Helix*]. Schileyko (2006: 1846) mistakenly listed this misspelling as the type species of *Xolotrema* Rafinesque, 1819, but its type species (SM) is *Helix clausa* Rafinesque, 1831. The latter species has sometimes been attributed to Deshayes, 1830, based on a misdating of 1832-EncyMeth: 252.

*zaleta*, *Helix* – Deshayes, 1850-HistNatTerrFluv1: 139. Incorrect subsequent spelling of *Helix zaleta* A. Binney, 1837, *ex* Say ms, now *Mesodon zaletus* (A. Binney, 1837).

#### Family SPHINCTEROCHELIDAE Zilch, 1960 [1886]

*edwardsi*, *Helix* – Deshayes, 1863-DescrCoqFoss: 813-814, 49, pl. 49, figs 28-30. — Type localities: Côte Saint-Parres near Saint-Nicolas-la-Chapelle & Morancez. — Type age: Eocene (Lutetian). — Type material: MNHN.F.J04131, lectotype; MNHN.F.J04178, paralectotype. Not preoccupied by *Helix edwardsi* Bland, 1858, which later has been spelled *H. edwardsi*. — Type species (OD) of *Hartmutix* Neubauer & Harzhauser, 2023. *Archaeoxesta edwardsi* (Deshayes, 1863) (Wenz 1923: 224; Le Renard & Pacaud 1995: 131). — Current status: *Hartmutix edwardsi* (Deshayes, 1863) (Neubauer & Harzhauser 2023: 154-157, fig. 2).

#### Family TRICHODISCINIDAE H. Nordsieck, 1987

*coactiliata*, *Helix* – Deshayes, 1839-HistNatTerrFluv1: 18-19; 1851-HistNatTerrFluv: 14, pl. 72, figs 1-5, *ex* Férussac ms. Uncaptioned pl. 72 issued in 1840. — Type localities: Reallesos, Nicaragua; Cuming & Touspan, Peru. — Type age: Recent. — Type species (SD Tryon, 1887) of *Trichodiscus* Strebel & Pfeffer, 1879, *non* Ehrenberg, 1830 [Protista]; *Trichodiscina* Martens, 1892, replacement name. The latter is the type genus of Trichodiscinidae H. Nordsieck, 1987. *Averella coactiliata* (Deshayes, 1839) (Clench 1957: 224). — Current status: *Trichodiscina coactiliata* (Deshayes, 1839) (F. G. Thompson 2011: 245, as “Férussac”, 1839).

#### Family XANTHONYCHIDAE Strebel & Pfeffer, 1879

*dupetithouarsi*, *Helix* – Deshayes, 1839d: 360-361; 1841: 2, pl. 30; 1850-HistNatTerrFluv1: 169; 1851-HistNatTerrFluv: 16, pl. 97,

figs 8-10 [in 1850 text as “figs 4-6”]. — Type locality: Monterey, California. — Type age: Recent. — Current status: *Helminthoglypta (Helminthoglypta) dupetithouarsi* (Deshayes, 1839) (Roth & Sadeghian 2006: 29, as “1840”).

*multistriata, Helix* – Deshayes, 1832-EncyMeth: 248; 1838-Hist-NatAnim2: 102; 1843-HistNatAnim3: 304-305; 1850-HistNatTerrFluv1: 135-136; 1851-HistNatTerrFluv: 9, pl. 27A, figs 4-6. — Type locality: Cuba. — Type age: Recent. — Type species (M) of *Jeanneretia* L. Pfeiffer, 1877. Synonym of *Jeanneretia bicincta* (Menke, 1830) (Espinosa & Ortea 1999: 128). — Current status: *Jeanneretia multistriata* (Deshayes, 1832) (Schilevko 2004: 1731-1732, fig. 2231).



*humboldtiana, Helix* – Although sometimes credited to Deshayes in the *Histoire naturelle générale et particulière des mollusques terrestres et fluviatiles*, it did not appear there until 1850 and was first made available by L. Pfeiffer (1841: 37). It is the type species of *Humboldtiana* Ihering, 1892.

## Class BIVALVIA Linnaeus, 1758

### Family NUCULIDAE J. E. Gray, 1824

*bronni, Nucula* – Deshayes, 1858-DescrCoqFoss: 64, pl. 64, figs 9-11 [in text as figs 9, 10, 12, 15]; 1860-DescrCoqFoss: 817-818. — Type locality: Montmirail. — Type age: Eocene (Lutetian). — Current status: *Nucula (Nucula) bronni* Deshayes, 1858 (Le Renard & Pacaud 1995: 80; Pacaud 2008: 79).

*capillacea, Nucula* – Deshayes, 1858-DescrCoqFoss: 64, pl. 64, figs 21-23; 1860-DescrCoqFoss: 823. — Type localities: Thiverval-Grignon, Houdan & Parnes. — Type age: Eocene (Lutetian). — Current status: *Nucula (Nucula) capillacea* Deshayes, 1858 (Glibert & Van de Poel 1965a: 10; Le Renard & Pacaud 1995: 80; Pacaud 2008: 79).

*cordiformis, Nucula* – Deshayes, 1839-TraitElem: 21, pl. 33, figs 17-19; 1858-TraitElem: 299. — Type locality: Caen. — Type age: Jurassic (Bajocian). — Current status: *taxon inquirendum*.

*fragilis, Nucula* – Deshayes, 1829-DescrCoqFoss: 234, 18, pl. 36, figs 10-12; 1832-EncyMeth: 635; 1835-HistNatAnim-2: 510; 1839-HistNatAnim3: 620; 1860-DescrCoqFoss: 821. 1858: 552. — Type localities: Abbecourt & Noailles. — Type age: Paleocene (Thanetian). — Current status: *Nucula (Nucula) fragilis* Deshayes, 1858 (Glibert & Van de Poel 1965a: 11; Le Renard & Pacaud 1995: 80; Pacaud 2007: 29, fig. 3B, 54; Leroy *et al.* 2014: 27, pl. 7, fig. 1-2).

*greppini, Nucula* – Deshayes, 1858-DescrCoqFoss: 64, pl. 64, figs 13-16 [in text as figs 11, 13-14, 16]; 1860-DescrCoqFoss: 817, 822-823. — Type localities: Jeurre, Etréchy & Morigny-Champigny. — Type age: Oligocene (Rupelian). — Current status: *Nucula greppini* Deshayes, 1858 (Glibert & Van de Poel 1965a: 11; Lozouet & Maestrati 2012a: 446-447, fig. 155: 1-6).

*italica, Nucula* – Deshayes, 1833b: 109, “pl. 3, figs 4-5”, *nomen nudum*; 1835b: 109, pl. 23, figs 4-5, both *ex* DeFrance ms. — Type locality: Peloponnese Peninsula, Greece. — Type age: Subapennine Formation, Pliocene. — Current status: *taxon inquirendum*.

*miliaris, Nucula* – Deshayes, 1829-DescrCoqFoss: 235, 18, pl. 36, figs 7-9. — Type localities: Mouchy-le-Châtel, Thiverval-Grignon & Parnes. — Type age: Eocene (Lutetian). — Type species (M) of *Nuculina* d’Orbigny, 1844, *non* Porro, 1837 [Crustacea], now considered to be a synonym of *Nucinella* S. V. Wood, 1851. — Current status:

*Nucinella miliaris* (Deshayes, 1829) (Glibert & Van de Poel 1965a: 30; Le Renard & Pacaud 1995: 81; Pacaud 2008: 79).

*minor, Nucula* – Deshayes, 1858-DescrCoqFoss: 64, pl. 64, figs 17-20; 1860-DescrCoqFoss: 823-824. — Type localities: Le Guépelle, Chéry-Chartreuve, Ver-sur-Launette & Beauval. — Type age: Eocene (Bartonian); Damery & Houdan; Eocene (Lutetian). — Current status: *Nucula (Lamellinucula) minor* Deshayes, 1858 (Glibert & Van de Poel 1965a: 16; Le Renard & Pacaud 1995: 80; Pacaud 2008: 79).

*mixta, Nucula* – Deshayes, 1858-DescrCoqFoss: 64, pl. 64, figs 1-4; 1860-DescrCoqFoss: 819. — Type localities: Chamery, Damery, Fleury-la-Rivière & Montmirail. — Type age: Eocene (Lutetian), Fresnoy-le-Luat (Ducy). — Type age: Eocene (Bartonian). — Current status: *Nucula (Nucula) mixta* Deshayes, 1858 (Glibert & Van de Poel 1965a: 12; Le Renard & Pacaud 1995: 80; Pacaud 2008: 79; Courville *et al.* 2012: 59, pl. 1, fig. 13).

*ovata, Nucula* – Deshayes, 1829-DescrCoqFoss: 230-231, 18, pl. 36, figs 13-14, *non* Mantell, 1822, *nec* Nilsson, 1827; 1832-EncyMeth: 634-635; 1835-HistNatAnim2: 509-510; 1839-HistNatAnim3: 661. — Type localities: Mouchy-le-Châtel & Hautteville-Bocage. — Type age: Eocene (Lutetian). *Nucula subtransversa* Nyst, 1845a (Nyst 1845a: 227-228), replacement name. *Nucula subovata* d’Orbigny, 1850b (d’Orbigny 1850b: 388, no. 1009), unnecessary additional replacement name. — Current status: *Nucula (Nucula) subtransversa* Nyst, 1845 (Pacaud 2007: 54).

*parisiensis, Nucula* – Deshayes, 1860-DescrCoqFoss: 819-820. — Type localities: Parnes, Thiverval-Grignon, Fontenay-Saint-Père, Chaumont-en-Vexin, Gomerfontaine, Mouchy-le-Châtel, Chaussy, Brasles & Hermonville. — Type age: Eocene (Lutetian). New species based on *Nucula margaritacea* Bruguière, *sensu* Lamarck, 1805, *partim, non* *Arca margaritacea* Bruguière, 1789. — Current status: *Nucula (Nucula) parisiensis* Deshayes, 1860 (Glibert & Van de Poel 1965a: 13; Le Renard & Pacaud 1995: 80; Pacaud 2008: 79).

*peregrina, Nucula* – Deshayes, 1858-TraitElem: 305. New species based on figure from Goldfuss (1841: 157-158, pl. 125, fig. 19) of *Nucula laevigata* J. Sowerby, 1818. — Type locality: Kleine-Spouwen, Netherlands. — Type age: Oligocene (Chatthian). — Current status: *Nuculoma peregrina* (Deshayes, 1858) (Glibert & Van de Poel 1965a: 9; R. Janssen 1979: 16-18).

*plicatella, Nucula* – Deshayes, 1858-TraitElem: 295-296. Replacement name for *Nucula plicata* J. Phillips, 1841 (Phillips 1841: 38-39, 213, pl. 18, fig. 63a-b). *non* I. Lea, 1833. — Type locality: Baggly Point, North Devon, England. — Type age: Devonian. — Current status: *taxon inquirendum*.

*podolica, Nucula* – Deshayes, 1858-TraitElem: 303. A new species based on a figure from Pusch (1836: 63, pl. 6, fig. 7a-b) of *Nucula pectinata* J. Sowerby, *non* J. Sowerby, 1818. — Type locality: Ukraine. — Type age: Jurassic. — Current status: *taxon inquirendum*.

*rothomagensis, Nucula* – Deshayes, 1858-TraitElem: 303. Replacement name for *Nucula obesa* d’Orbigny, 1844 (d’Orbigny 1844: 180-181, pl. 304, figs 10-14), *non* “Münster”, actually *non* Goldfuss, 1837. — Type localities: Sainte-Catherine Mountain, Rouen, Seine-Maritime. — Type age: Cretaceous (Turonian). — Current status: *taxon inquirendum*.

*terminalis, Nucula* – Deshayes, 1858-DescrCoqFoss: 64, pl. 64, figs 5-8; 1860-DescrCoqFoss: 821-822. — Type localities: Chaumont-en-Vexin & Parnes. — Type age: Eocene (Lutetian). — Current status: *Nucula terminalis* Deshayes, 1858 (Le Renard & Pacaud 1995: 80; Pacaud 2008: 79).

*triquetra, Nucula* – Deshayes, 1858-TraitElem: 298. Replacement name for *Nucula trigona* Münster in Goldfuss, 1837 (Goldfuss



1837: 155, pl. 125, fig. 5), *non* J. Sowerby, 1818. — Type localities: Banz & Altdorf, Germany. — Type age: Jurassic. *Deminucula seguenzai* La Perna, 2007, additional, unneeded replacement name. Preoccupies *Nucula triquetra* Ponzi, 1872. — Current status: *Deminucula "seguenzai"* [sic – *triquetra* Deshayes] (La Perna 2007: 5-7, figs 3d-f, 5a-j), from the early Pleistocene.

*zietenii*, *Nucula* – Deshayes, 1858-TraitElem: 298. New species based on Zieten's (1833: 76, pl. 57, fig. 2a-c, *ex* Hehl ms) supposed use of *Nucula ovalis* "Goldfuss". However, Zieten published the name before Goldfuss (1837: 154, pl. 125, figs 2-3), so Deshayes merely added a synonym to Zieten's species. — Current status: *taxon inquirendum*.



*planata*, *Nucula* – Leymerie, 1841: 336, *nomen nudum*; 1842: 7, 25, pl. 9, figs 3a-b, 4, *ex* Deshayes ms. — Type localities: Bernon & Rumilly. — Type age: Cretaceous (Hauterivian). *Nucula planata* Leymerie, 1842 (Calzada *et al.* 2013: 32-33, pl. 1, figs 8-9, as "Deshayes"). — Current status: *Leionucula planata* (Leymerie, 1842).

*simplex*, *Nucula* – Leymerie, 1841: 336, 342, *nomen nudum*; 1842: 7, 25, pl. 9, fig. 5a-b, *ex* Deshayes ms. — Type localities: Marolles-sous-Lignières, Jully-sur-Sarce & Rumilly. — Type age: Cretaceous (Hauterivian). Preoccupies *Nucula simplex* Hedley, 1913, a synonym of *Ennucula strangei* (A. Adams, 1856) [*Nucula*]. — Current status: *Leionucula simplex* (Leymerie, 1842) (Bogdanova 2000: 34, pl. 1, figs 1-6, as "Deshayes in Leymerie").

#### Family SOLEMYIDAE J. E. Gray, 1840

*angusta*, *Modiola* – Deshayes, 1830-DescrCoqFoss: 266, 21, pl. 41, figs 6-8; 1832-EncyMeth: 570, as *Mytilus*; 1857-DescrCoqFoss: 15, as *Solenomya*, pl. 15, figs 12-14; 1860-DescrCoqFoss: 732, as *Solenomya*. — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Solenomya angusta* (Deshayes, 1830) (Glibert & Van de Poel 1965a: 34; Le Renard & Pacaud 1995: 78; Pacaud 2008: 79).

*blainvillei*, *Solenomya* – Deshayes, 1857-DescrCoqFoss: 15, pl. 15, figs 15-17; 1860-DescrCoqFoss: 732, as *Solenomya*. — Type localities: Châlons-sur-Vesle & Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Current status: *Solenomya blainvillei* Deshayes, 1857 (Glibert & Van de Poel 1965a: 34; Le Renard & Pacaud 1995: 78).

*cuvieri*, *Solenomya* – Deshayes, 1856-DescrCoqFoss: 7, pl. 7, figs 16-17; 1860-DescrCoqFoss: 731-732. — Type localities: Damery, Parnes, Mouchy-le-Châtel. — Type age: Eocene (Lutetian), Ver-sur-Launette & Ermenonville. — Type age: Eocene (Bartonian). — Current status: *Solenomya cuvieri* Deshayes, 1856 (Glibert & Van de Poel 1965a: 34; Le Renard & Pacaud 1995: 78; Pacaud 2008: 79, both as "1858").

*occidentalis*, *Solenomya* – Deshayes, 1857f: 139. — Type locality: Gaudeloupe; Schramm. — Type age: Recent. — Current status: *Solenomya occidentalis* Deshayes, 1857 (Huber 2010a: 91, 527; Redfern 2014: 348, fig. 949; D. Lamy & Pointier 2018: 633).

#### Family NUCULANIDAE

H. Adams & A. Adams, 1858 [1854]

*althei*, *Leda* – Deshayes, 1858-TraitElem: 283. Replacement name for *Nucula (Dacryomya) brevisrostris* Alth, 1850 (Alth 1850: 233, pl. 12, fig. 16), *non* J. Phillips, 1836. — Type locality: Lemberg [Lviv, Ukraine]. — Type age: Cretaceous? — Current status: *taxon inquirendum*.

*costulata*, *Leda* – Deshayes, 1858-DescrCoqFoss: 65, pl. 65, figs 8-10; 1860-DescrCoqFoss: 829. — Type locality: Acy-en-Multien. — Type age: Eocene (Bartonian). *Nuculana (Saccella) costulata* (Le Renard & Pacaud 1995: 80). — Current status: *Striatonuculana costulata* (Deshayes, 1858) (Marquet *et al.* 2012: 13).

*dunckeri*, *Leda* – Deshayes, 1858-TraitElem: 281. Replacement name for *Nucula cuneata* Koch & Dunker, 1837 (Koch & Dunker 1837: 31-32, pl. 2, fig. 8a-c), *non* G. B. Sowerby I, 1833, *nec* J. Phillips, 1836; *nec* Münster, in Goldfuss, 1837. — Type locality: Geertzen; Inferior Oolite [Middle Jurassic]. — Current status: *taxon inquirendum*.

*fragilis*, *Arca* – Deshayes, 1858-TraitElem: 285-286, *ex* Chemnitz ms. — Type locality: Europe. — Type age: Neogene. — Type species (OD) of *Ledina* Sacco, 1898 [December], *non* *Ledina* Dall, 1898 [October]; Sacco's genus was renamed *Saccella* Woodring, 1925. — Current status: synonym of *Saccella commutata* (Philippi, 1844) [*Nucula*] (Coan & Kabat 2017: 46). Figured in Nevesskaja *et al.* (2013: 85, fig. 10-5).

*gracilis*, *Leda* – Deshayes, 1858-DescrCoqFoss: 64, pl. 64, figs 24-26; 1860-DescrCoqFoss: 831-832. — Type localities: Jeurre, Etréchy & Morigny-Champigny; Neueil & Délémont, Switzerland; Kaufungen near Kassel, Germany. — Type age: Oligocene (Rupelian). *Nuculana (Saccella) gracilis* Deshayes, 1858) (Glibert & Van de Poel 1965a: 21). — Current status: *Saccella westendorpi* [Nyst, 1839] *gracilis* (Deshayes, 1858) (Marquet *et al.* 2012: 13, pl. 1, fig. 3).

*morrisii*, *Leda* – Deshayes, 1858-TraitElem: 282. Replacement name for *Nucula (Leda) phillipsii* J. Morris, in Mantell, 1850 (Mantell 1850: 318, pl. 30, fig. 1), *non* M' Coy, in Griffith, 1844. — Type locality: near Trowbridge. — Type age: Oxford Clay [Jurassic] (Callovian-Oxfordian). — Current status: *Mesosaccella morrisii* (Deshayes, 1858) (Fürsich & Pan 2014: 6, 10, pl. 1, figs 1-3, as "1853").

*mucronalis*, *Nucula* – Deshayes, 1839-TraitElem: 21, pl. 34, figs 14-15, evidently intended as a replacement name but not so stated. — Type locality: none given. — Type age: not stated. Deshayes (1858-TraitElem: 280-281) noted that this the same as what was later proposed for *Leda diana* d'Orbigny, 1850a (d'Orbigny 1850a: 253, no. 177), for *Nucula mucronata* J. de C. Sowerby, 1824, of Goldfuss (1837: 155-156, pl. 125, fig. 9), *non* J. de C. Sowerby, 1824. Germany. — Type age: Jurassic (Toarcian). — Current status: *taxon inquirendum*.

*prisca*, *Leda* – Deshayes, 1858-DescrCoqFoss: 65, pl. 65, figs 15-17; 1860-DescrCoqFoss: 830. — Type locality: Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). — Current status: *Nuculana (Jupiteria) prisca* (Glibert & Van de Poel 1965a: 26; Le Renard & Pacaud 1995: 80).

*woodiana*, *Leda* – Deshayes, 1858-TraitElem: 287. — Type locality: northern Europe species that had long been going under the fossil name *Leda pygmaea* (Münster, in Goldfuss, 1837) [*Nucula*]. — Type age: Recent. — Current status: Synonym of *Yoldiella philippiana* (Nyst, 1845) [*Nucula*], a replacement name for *Nucula tenuis* Philippi, 1836, *non* *N. tenuis* (Montagu, 1808) [*Arca*] (Coan & Kabat 2017: 48).

#### Family PRAECARDIIDAE R. Hoernes, 1884

*bavaricum*, *Cardium* – Deshayes, 1857-TraitElem: 48, *non* d'Orbigny, 1850. New species based on *Cardium propinquum* Münster, 1840 (Münster 1840: 59, pl. 12, fig. 1a-b), *non* Münster in Goldfuss, 1837 (Goldfuss 1837: 222, pl. 145, fig. 1). — Type locality: Elbersreuth, Bavaria, Germany. — Type age: Devonian. Hylleberg (2004: 398, as "1853", 715). — Current status: probably Praecardiidae (M. Amler, pers. comm., March 14, 2023).

*braunni*, *Cardium* – Deshayes, 1857-TraitElem: 45. Replacement name for *Cardium planicostatum* Braun, in Münster, 1840 (Münster 1840: 59, pl. 13, fig. 2), *non* G. B. Sowerby I, 1833. — Type locality: Geiser, Germany. — Type age: Devonian. Listed by Hylleberg (2004: 410). Unnecessary replacement name because it had already been replaced as *Cardium braunii* d'Orbigny, 1850.

*comptum*, *Cardium* – Deshayes, 1857-TraitElem: 49. Replacement name for *Cardium tenuisulcatum* Münster, 1840 (Münster 1840: 65, pl. 13, fig. 13), *non* Nyst, 1836. — Type locality: Elbersreuth, Bavaria, Germany. — Type age: Devonian. Hylleberg (2004: 446, as “1853”, 799). — Current status: perhaps Praecardiidae (M. Amler, pers. comm., March 14, 2023).

*cornutum*, *Cardium* – Deshayes, 1857-TraitElem: 48. Replacement name for *Cardium ovatum* (Münster, 1840: 70, pl. 12, fig. 18) [*Lunulacardium*], *non* Deshayes, 1838. — Type locality: Schübelhammer, Germany. — Type age: Devonian (Famennian). Hylleberg (2004: 450-451, as “1853”, 670). This species name did not need to be replaced, was not used by later authors, and ICZN Code Art. 59.3 can be applied. — Current status: Praecardiidae (Rogalla & Amler (2006: 44). However, *Lunulacardium ovatum* Münster is a *nomen dubium* of uncertain genus, not a *Lunulacardium* (Nagel-Myers & Amler 2007: 55, pl. 1, fig. 14).

*dilatatum*, *Cardium* – Deshayes, 1857-TraitElem: 45. Replacement name for *Cardium latum* Münster, in Goldfuss, 1837 (Goldfuss 1837: 217, pl. 143, fig. 6), *non* Born, 1778, *nec* Bruguière, 1789. However, this species had already been renamed as *Cardium sublatum* d'Orbigny, 1850a (d'Orbigny 1850a: 77, no. 553). — Type locality: Elbersreuth, Bavaria, Germany. — Type age: Devonian. Hylleberg (2004: 470, as “1853”, 595). — Current status: probably Praecardiidae (M. Amler, pers. comm., March 14, 2023).

*munsteri*, *Cardium* – Deshayes, 1857-TraitElem: 48. Replacement name for *Cardium plicatum* Münster, in Goldfuss, 1837 (Goldfuss 1837: 215-216, pl. 142, fig. 9), *non* Eichwald, 1829. — Type locality: Elbersreuth, Bavaria, Germany. — Type age: Devonian. Hylleberg (2004: 640, as “1853”). — Current status: probably Praecardiidae (M. Amler, pers. comm., March 14, 2023).

*parvum*, *Cardium* – Deshayes, 1857-TraitElem: 45, *non* da Costa 1778, *nec* Mawe, 1823, *nec* G. B. Sowerby, II, 1841, *nec* Philippi, 1844. Replacement name for *Cardium exiguum* Eichwald, 1840 (Eichwald 1840: 84-85; 1859: 6, pl. 51, fig. 8; 1860: 1024), *non* Gmelin, 1791. — Type locality: Eichwald's species was from Valdaï, Russia. — Type age: Carboniferous (Murchison *et al.* 1845: 390). We are unaware of any modern treatment of Eichwald's junior homonym and are guessing it belongs in this family. Use of this concept would require a replacement name. Gmelin's species is the Recent European *Parvicardium exiguum* (Gmelin, 1791). — Current status: Praecardiidae (M. Amler, pers. comm., March 20, 2023).

*rariocostatum*, *Cardium* – Deshayes, 1857-TraitElem: 45. Replacement name for *Cardium paucicostatum* Münster, 1840 (Münster 1840: 59, pl. 13, fig. 2), *non* Deshayes, 1838, but also “*non* Murchison, 1831”, *nec* G. B. Sowerby II, “1841” [actually 1834]. — Type locality: Elbersreuth, Bavaria, Germany. — Type age: Devonian. Hylleberg (2004: 684). — Current status: *Honeoyea rariocostatum* (Deshayes, 1857) (Branson 1942: 391).

#### Family MYTILIDAE Rafinesque, 1815

*Callitrichus* – Deshayes, 1830a-EncyMeth: 164, *ex* Poli ms. Incorrect subsequent spelling of *Callitriche* Poli, 1791, now regarded as a *taxon inquirendum* and listed under *Gibbomodiola* Sacco, 1898.

*acutangulus*, *Mytilus* – Deshayes, 1830-DescrCoqFoss: 274-275, 20, pl. 40, figs 1-2; 1836-HistNatAnim2: 53; 1843-HistNatAnim3: 23; 1861-DescrCoqFoss: 27. — Type localities: Valmondois & Senlis. — Type age: Eocene (Bartonian). *Perna acutangula* (Deshayes, 1830) (Glibert & Van de Poel 1965b: 71; Le Renard & Pacaud 1995: 82). — Type species (OD) of *Admytilus* Berezovsky, 2015. — Current status: *Admytilus acutangulus* (Deshayes, 1830) (Berezovsky 2015b: 578-579, fig. 1).

*acuminata*, *Modiola* – Deshayes, 1830-DescrCoqFoss: 262-263, 20, pl. 40, figs 9-11, *non* Sedgwick, 1829; 1832-EncyMeth: 562-563, as *Mytilus*; 1836-HistNatAnim2: 31; 1843-HistNatAnim3: 16, both as *Modiola*; 1861-DescrCoqFoss: 22. — Type locality: Paris (old district of Vaugirard). — Type age: Eocene (Lutetian). — Current status: *Brachidontes (Brachidontes) jansseni* Le Renard, 1994 (Le Renard 1994: 39), replacement name (Pacaud 2008: 82).

*ambigua*, *Modiola* – Deshayes, 1858-DescrCoqFoss: 74, pl. 74, figs 10-12; 1861-DescrCoqFoss: 21. — Type localities: Le Fayel, Bouconwilliers & Valmondois. — Type age: Eocene (Bartonian). — Current status: *Brachidontes (Brachidontes) ambiguus* (Deshayes, 1858) (Glibert & Van de Poel 1965b: 74; Le Renard & Pacaud 1995: 82).

*analoga*, *Modiola* – Deshayes, 1858-DescrCoqFoss: 74, pl. 74, figs 27-30; 1861-DescrCoqFoss: 16, as *Modiola (Modiolaris)*. — Type localities: Étréchy & Jeurre. — Type age: Oligocene (Rupelian). — Current status: *Musculus analogus* (Deshayes, 1858) (Lozouet & Maestrati 2012a: 446-447, fig. 156: 3-4).

*angularis*, *Modiola* – Deshayes, 1830-DescrCoqFoss: 260-261, 21, pl. 41, figs 4-5; 1832-EncyMeth: 563, as *Mytilus*; 1836-HistNatAnim2: 31; 1843-HistNatAnim3: 16, both as *Modiola*; 1861-DescrCoqFoss: 13, as *Modiola (Modiolaria)*. — Type locality: Noailles. — Type age: Paleocene (Thanetian). *Musculus (Semimodiola) angularis* (Deshayes, 1830) (Glibert & Van de Poel 1965b: 82). — Current status: *Semimodiola angularis* (Deshayes, 1830) (Le Renard & Pacaud 1995: 83; Pacaud 2008: 81).

*argentina*, *Modiola* – Deshayes, 1824a: 256-257, 258, pl. 15, fig. 15; 1830-DescrCoqFoss: 269-270, 21, pl. 42, figs 1-3; 1832-EncyMeth: 571, as *Mytilus*; 1836-HistNatAnim2: 32; 1843-HistNatAnim3: 16, both as *Modiola*; 1861-DescrCoqFoss: 19, as *Modiola (Lithodomus)*. — Type localities: Valmondois & near Dax – material from the latter locality more probably *Botula aturensis* (Cossmann & Peyrot, 1914) or *Botula subcordata* (d'Orbigny, 1852). — Type age: Miocene (Pacaud herein). The Valmondois material Eocene (Bartonian). — Current status: *Botula argentina* (Deshayes, 1824) (Glibert & Van de Poel 1965b: 83; Le Renard & Pacaud 1995: 83).

*attenuata*, *Modiola* – Deshayes, 1836-HistNatAnim2: 28; 1843-HistNatAnim3: 14-15. — Type locality: Peru & Chile. — Type age: Recent. — Type species (OD) of *Labis* Dall, 1916. — Current status: *Lithophaga (Labis) attenuata* (Deshayes, 1836) (Huber 2010a: 120, as *Leiosolenus*; Coan & Valentich-Scott 2012: 138-139).

*bernayi*, *Modiola (Modiolaris)* – Deshayes, 1858-DescrCoqFoss: 74, pl. 74, figs 13-16; 1861-DescrCoqFoss: 13-14. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Current status: *Musculus (Planimodiola) bernayi* (Deshayes, 1858) (Glibert & Van de Poel 1965b: 83; Le Renard & Pacaud 1995: 83).

*biochii*, *Mytilus* – Deshayes, 1866b: 335, 338, pl. 7, fig. 6. — Type locality: Argenteuil. — Type age: Eocene (Bartonian). — Current status: *Brachidontes (Hormomya) biochii* (Deshayes, 1866) (Le Renard & Pacaud 1995: 82).

*brevis*, *Modiola* – Deshayes, 1858-DescrCoqFoss: 74, pl. 74, figs 17-19; 1861-DescrCoqFoss: 24. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Current status: *Arcoperna brevis* (Deshayes, 1858) (Glibert & Van de Poel 1965b: 77; Le Renard & Pacaud 1995: 83; Pacaud 2008: 81).



*capillaris, Modiola* – Deshayes, 1858-DescrCoqFoss: 75, pl. 75, figs 22-24; 1861-DescrCoqFoss: 23. — Type localities: Ver-sur-Launette & Ermenonville. — Type age: Eocene (Bartonian). — Current status: *Arcoperna capillaris* (Deshayes, 1858) (Glibert & Van de Poel 1965b: 77; Le Renard & Pacaud 1995: 83).

*crenella, Modiola* – Deshayes, 1858-DescrCoqFoss: 74, pl. 74, figs 1-3; 1861-DescrCoqFoss: 20-21. — Type localities: Mouy & Parnes. — Type age: Eocene (Lutetian). — Current status: *Brachidontes (Brachidontes) crenella* (Deshayes, 1858) (Glibert & Van de Poel 1965b: 74; Le Renard & Pacaud 1995: 82; Pacaud 2008: 82).

*cucullata, Crenella* – Deshayes, 1858-DescrCoqFoss: 76, pl. 76, figs 10-12; 1861-DescrCoqFoss: 7. — Type localities: Thiverval-Grignon & Montmirail. — Type age: Eocene (Lutetian). — Current status: *Crenella (Hippagus) cucullata* Deshayes, 1858 (Le Renard & Pacaud 1995: 83; Pacaud 2008: 81).

*cultellus, Modiola* – Deshayes, 1839d: 359; 1840: 2, pl. 13. — Type locality: Kamchatka. — Type age: Recent. *Musculus cultellus* (Deshayes, 1839) (Kantor & Sysoev 2005: 317). — Current status: synonym of *Musculus svecicus* (Fabricius, 1788) [*Modiola*] (Huber 2010a: 110, 543; 2015: chapter C on CD).

*delicatula, Modiola* – Deshayes, 1858-DescrCoqFoss: 74, pl. 74, figs 25-26; 1861-DescrCoqFoss: 18-19, as *Modiola (Lithodomus)*. — Type locality: Morigny-Champigny. — Type age: Oligocene (Rupelian). — Current status: *Modiolus delicatulus* Deshayes, 1858 (Lozouet & Maestrati 2012b: 22).

*depressus, Mytilus (Septifer)* – Deshayes, 1858-DescrCoqFoss: 75, pl. 75, figs 25-27; 1861-DescrCoqFoss: 31-32, non G. Fischer, 1830. — Type localities: Parnes, Chaumont-en-Vexin & Chaussy. — Type age: Eocene (Lutetian). *Septifer serratus* [Melleville, 1843] *depressus* (Deshayes, 1858) (Glibert & Van de Poel 1965b: 77). — Current status: *Septifer pissarroi* Le Renard, 1994 (Le Renard 1994: 39), replacement name (Pacaud 2008: 81, as “1861”).

*difficilis, Modiola* – Deshayes, 1863: 23-24, pl. 3, figs 22-24. — Type locality: La Réunion. — Type age: Recent. *Modiolus difficilis* (Deshayes, 1863) (Poppe 2010: 510, pl. 946, figs 10-11, erroneously attributed to “Kuroda & Habe, 1950”). Senior secondary homonym of *Volsella difficilis* Kuroda & Habe, 1950, which was replaced by *Modiolus kurilensis* F. R. Bernard, 1983. — Current status: *Gregariella difficilis* (Deshayes, 1863) (Huber 2010a: 545; Poppe 2018: 137).

*dolabrata, Modiola* – Deshayes, 1858-DescrCoqFoss: 71, pl. 71, figs 20-21; 1861-DescrCoqFoss: 26-27. — Type localities: Brimont, Châlons-sur-Vesle & Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Current status: *Modiolus dolabratus* Deshayes, 1858 (Glibert & Van de Poel 1965b: 73; Le Renard & Pacaud 1995: 82; Leroy et al. 2014: 27, pl. 8, figs 1-4).

*dutemplei, Mytilus* – Deshayes, 1858-DescrCoqFoss: 71, pl. 71, fig. 22; 1861-DescrCoqFoss: 30-31. — Type localities: Mont-Bernon (Épernay) & Cramant. — Type age: Eocene (Ypresian). — Current status: *Brachidontes (Hormomya) dutemplei* (Deshayes, 1858) (Le Renard & Pacaud 1995: 82).

*elegans, Crenella* – Deshayes, 1858-DescrCoqFoss: 76, pl. 76, figs 6-9; 1861-DescrCoqFoss: 6. — Type localities: Thiverval-Grignon, Parnes, Damery, Mouchy-le-Châtel & Chaussy. — Type age: Eocene (Lutetian). — Current status: *Crenella (Crenella) elegans* Deshayes, 1858 (Glibert & Van de Poel 1965b: 78; Le Renard & Pacaud 1995: 83; Pacaud 2008: 81).

*hastata, Modiola* – Deshayes, 1830-DescrCoqFoss: 261-262, 19, pl. 38, figs 13-14; 1832-EncyMeth: 563, as *Mytilus*; 1836-HistNatAnim2: 31; 1843-HistNatAnim3: 16, both as *Modiola*; 1861-DescrCoqFoss: 13, as *Modiola (Modiolaria)*. — Type localities: Abbecourt. — Type

age: Paleocene (Thanetian); Chaumont-en-Vexin, Eocene (Lutetian). — Type species (OD) of *Semimodiola* Cossmann, 1887. *Musculus (Semimodiola) hastatus* (Deshayes, 1830) (Glibert & Van de Poel 1965b: 82). — Current status: *Semimodiola hastata* (Deshayes, 1830) (Le Renard & Pacaud 1995: 83; Pacaud 2008: 81; Nevesskaja et al., 2013: 164, fig. 47-13).

*heberti, Mytilus* – Deshayes, 1858-DescrCoqFoss: 74, pl. 74, figs 20-22; 1861-DescrCoqFoss: 32-33; 1865-DescrCoqFoss: 666 [last two references as *Mytilus denticulatus* Lamarck, 1805] and thus regarded as a synonym thereof. — Type localities: Longjumeau, Jeurre, Etréchy. — Type age: Oligocene (Rupelian). Cossmann & Peyrot (1914: 35) listed it as *Septifer heberti* (Deshayes, 1858). — Current status: synonym of *Septifer denticulatus* (Lamarck, 1805) (Lozouet & Maestrati 2012a: 246, 247, fig. 155: 11-14).

*incrassatus, Mytilus* – Deshayes, 1832-EncyMeth: 558, non Sheppard, 1821, nec three post-1832 uses of this name. Based on Deshayes, 1830-DescrCoqFoss: 20, pl. 40, figs 1-2, which he had described as *Mytilus acutangulus*; 1861-DescrCoqFoss: 27, as synonym of *M. acutangulus* Deshayes, 1830. — Type localities: Valmondois & Senlis. — Type age: Eocene (Bartonian). — Current status: synonym of *Admytilus acutangulus* (Deshayes, 1830) (Berezovsky 2015b: 578-579, fig. 1, without synonymy).

*interjecta, Modiola (Modiolaris)* – Deshayes, 1858-DescrCoqFoss: 75, pl. 75, figs 16-18; 1861-DescrCoqFoss: 17. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Musculus (Planimodiola) interjectus* (Deshayes, 1858) (Glibert & Van de Poel 1965b: 83; Le Renard & Pacaud 1995: 83; Pacaud 2008: 81).

*laevigatus, Mytilus* – Deshayes, 1858-DescrCoqFoss: 71, pl. 71, figs 17-19; 1861-DescrCoqFoss: 28-29, as *Mytilus levigatus*, non *Mytilus laevigatus* W. Wood, 1828. — Type localities: Bazoches, Vauxbuin & Sinceny. — Type age: Eocene (Ypresian). Cowell Bay, Isle of Wight, England. — Current status: *Perna ferussaci* Le Renard, 1994 (Le Renard 1994: 39), replacement name.

*levesquei, Mytilus* – Deshayes, 1858-DescrCoqFoss: 75, pl. 75, figs 4-5; 1861-DescrCoqFoss: 30. — Type localities: Retheuil & Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Brachidontes (Hormomya) levesquei* (Deshayes, 1858) (Glibert & Van de Poel 1965b: 75; Le Renard & Pacaud 1995: 82).

*microptera, Modiola* – Deshayes, 1836-HistNatAnim2: 27-28; 1843-HistNatAnim3: 14. — Type locality: “Coromandel” [New Zealand]. — Type age: Recent. — Current status: synonym of the Asian *Modiolus moduloides* (Röding, 1798) [*Musculus*] (Huber 2010a: 554).

*papyracea, Modiola* – Deshayes, 1824a: 257, 258, pl. 15, fig. 16; 1830-DescrCoqFoss: 270-271, 21, pl. 41, figs 9-11; 1832-EncyMeth: 572, as *Mytilus*. 1836-HistNatAnim2: 33; 1843-HistNatAnim3: 16, both as *Modiola*; 1861-DescrCoqFoss: 20, as *Modiola (Lithodomus)*. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Current status: *Lithophaga papyracea* (Deshayes, 1824) (Le Renard & Pacaud 1995: 83).

*parasitica, Modiola* – Deshayes, 1863: 24-25, pl. 4, figs 1-3, non Eudes-Deslongchamps, 1838. — Type locality: La Réunion. — Type age: Recent. NHMUK 20080540, 3 syntypes. — Current status: *Adula kleemanni* M. Huber, 2010a (Huber 2010a: 553), replacement name.

*pectiniformis, Modiola* – Deshayes, 1830 DescrCoqFoss: 263, 20, pl. 39, figs 14-16; 1832-EncyMeth: 564, as *Mytilus*; 1836-HistNatAnim2: 31-32; 1843-HistNatAnim3: 16, both as *Modiola*; 1861-DescrCoqFoss: 14, as *Modiola (Modiolaris)*. — Type locality: Houdan. — Type age: Eocene (Lutetian). — Current status: *Mus-*

*culus (Gregariella) pectiniformis* (Deshayes, 1830) (Glibert & Van de Poel 1965b: 80; Le Renard & Pacaud 1995: 83; Pacaud 2008: 81).

*piethei, Modiola* – Deshayes, 1858-DescrCoqFoss: 75, as *Modiola pihetei*, pl. 75, figs 14-15; 1861-DescrCoqFoss: 14-15, as *Modiola (Modiolaris) piethei*. — It is obvious from the 1861 text that the plate explanation had a misspelling, in that the species was from the collection of Mr. Piethe of Crouy; however, this does not meet the test of ICZN Code Art. 32.5. — Type localities: Crouy, Acyen-Multien, Caumont & La Ferté-sous-Jouarre. — Type age: Eocene (Bartonian). — Current status: *Musculus (Gregariella) pihetei* (Deshayes, 1858) (Glibert & Van de Poel 1965b: 80; Le Renard & Pacaud 1995: 83; Pacaud 2008: 80).

*profunda, Modiola* – Deshayes, 1830-DescrCoqFoss: 264, 21, pl. 41, figs 12-14. 1832-EncyMeth: 564, as *Mytilus*; 1836-HistNatAnim2: 32; 1843-HistNatAnim3: 16, both as *Modiola*; 1861-DescrCoqFoss: 23. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Current status: *Arcoperna profunda* (Deshayes, 1830) (Glibert & Van de Poel 1965b: 78, as “1832”; Le Renard & Pacaud 1995: 83; Pacaud 2008: 81).

*radiolata, Modiola* – Deshayes, 1858-DescrCoqFoss: 75, pl. 75, figs 10-13; 1861-DescrCoqFoss: 22. — Type localities: Cœuvres-et-Valsery, Aizy-Jouy & Laon. — Type age: Eocene (Ypresian). — Current status: *Arcoperna radiolata* (Deshayes, 1858) (Glibert & Van de Poel 1965b: 78, as *A. “pradiolata”*; Le Renard & Pacaud 1995: 83).

*rigaultii, Mytilus* – Deshayes, 1858-DescrCoqFoss: 74, pl. 74, figs 23-24; 1861-DescrCoqFoss: 29. — Type localities: Caumont, Jaignes, Attainville, Montagny-en-Vexin & Le Guépelle. — Type age: Eocene (Bartonian). — Current status: *Brachidontes (Hormomya) rigaultii* (Deshayes, 1858) (Glibert & Van de Poel 1965b: 76; Le Renard & Pacaud 1995: 82; Pacaud 2008: 82).

*semilaevigata, Modiola* – Deshayes, 1858-DescrCoqFoss: 75, pl. 75, figs 19-20; 1861-DescrCoqFoss: 26, as *Modiola “semilaevigata”*. — Type locality: Damery. — Type age: Eocene (Lutetian). — Current status: *Modiolus semilaevigata* Deshayes, 1858 (Le Renard & Pacaud 1995: 82; Pacaud 2008: 81).

*seminuda, Modiola* – Deshayes, 1830-DescrCoqFoss: 264-265, 20, pl. 39, figs 20-22; 1832-EncyMeth: 569-570, as *Mytilus*; 1836-HistNatAnim2: 32; 1843-HistNatAnim3: 16, both as *Modiola*; 1861-DescrCoqFoss: 12-13, as *Modiola (Modiolaria)*. — Type locality: La Chapelle-en-Serval. — Type age: Eocene (Bartonian). — Current status: *Musculus (Skarlatella) seminudus* (Deshayes, 1830) (Glibert & Van de Poel 1965b: 82; Le Renard & Pacaud 1995: 83; Pacaud 2008: 81).

*spathulata, Modiola* – Deshayes, 1830-DescrCoqFoss: 259, 20, pl. 39, figs 11-13; 1832-EncyMeth: 566-567, as *Mytilus*; 1836-HistNatAnim2: 30; 1843-HistNatAnim3: 15-16, both as *Modiola*; 1861-DescrCoqFoss: 17, as *Modiola (Modiolaris)*. — Type localities: Parnes & Les Groux. — Type age: Eocene (Lutetian). — Current status: *Musculus (Planimodiola) spathulatus* (Deshayes, 1858) (Le Renard & Pacaud 1995: 83; Pacaud 2008: 81).

*striatina, Crenella* – Deshayes, 1858-DescrCoqFoss: 76, pl. 76, figs 3-5; 1861-DescrCoqFoss: 6-7. — Type localities: Chaumont-en-Vexin, Parnes & Chaussy. — Type age: Eocene (Lutetian). — Current status: *Crenella (Crenella) striatina* Deshayes, 1858 (Glibert & Van de Poel 1965b: 79; Le Renard & Pacaud 1995: 83; Pacaud 2008: 81).

*subangulata, Modiola* – Deshayes, 1858-DescrCoqFoss: 75, pl. 75, figs 21; 1861-DescrCoqFoss: 25-26. — Type locality: Liancourt-Saint-Pierre. — Type age: Eocene (Lutetian). — Current status: *Modiolula subangulata* (Deshayes, 1858) (Glibert & Van de Poel 1965b: 77; Le Renard & Pacaud 1995: 82; Pacaud 2008: 81).

*subrostrata, Modiola* – Deshayes, 1858-DescrCoqFoss: 74, pl. 74, figs 4-6; 1861-DescrCoqFoss: 15-16, as *Modiola (Modiolaris)*. — Type locality: Hermonville, Fleury-la-Rivière, Boursault & Damery. — Type age: Eocene (Lutetian). Synonym of *Musculus (Planimodiola) sulcatus* (Lamarck, 1805) [*Modiola*] (Glibert & Van de Poel 1965a: 83). — Current status: *Musculus (Planimodiola) subrostratus* (Deshayes, 1858) (Le Renard & Pacaud 1995: 83; Pacaud 2008: 81).

*tenera, Modiola* – Deshayes, 1858-DescrCoqFoss: 74, pl. 74, figs 7-9; 1861-DescrCoqFoss: 24. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Current status: *Arcoperna tenera* (Deshayes, 1858) (Le Renard & Pacaud 1995: 83; Pacaud 2008: 81).

*tenuis, Mytilus* – Deshayes, 1858-DescrCoqFoss: 75, pl. 75, figs 1-3; 1861-DescrCoqFoss: 28, non J. S. Schröter, 1803. — Type localities: Châlons-sur-Vesle & Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Current status: synonym of *Perna antiqua* (Mellville, 1843) [*Dreissena*] (Pacaud 2007: 55).

*vaudini, Mytilus (Septifer)* – Deshayes, 1858-DescrCoqFoss: 75, pl. 75, figs 6-9; 1861-DescrCoqFoss: 31. — Type localities: Laon & Mons-en-Laonnais. — Type age: Eocene (Ypresian). — Current status: synonym of *Septifer serratus* (Mellville, 1843) [*Dreissena*] (Glibert & Van de Poel 1965b: 77).

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*amygdaloides, Modiola* – Leymerie, 1841: 342, *nomen nudum*; 1842: 8, 25, pl. 6, fig. 4a-b, ex Deshayes ms. — Type localities: Marolles-sous-Lignières & Chenay. — Type age: Cretaceous (Hauterivian). — Current status: *Lithophaga amygdaloides* (Leymerie, 1842) (Masse *et al.* 2022: 5, as “Deshayes”).

*rimosa, Perna* – Glibert & Van de Poel (1965b: 72) listed this species as “*Perna rimosa* (Deshayes, 1830)”, but it was originally described as *Mytilus rimosus* Lamarck, 1805.

*ropan, Mytilus* – Deshayes, 1836-HistNatAnim2: 27, ex Adanson ms. 1843-HistNatAnim3: 14. As indicated by Huber (2015: chapter 5 on CD), this synonymous species name was first made available as *Fistulana ropan* Blainville, 1820, ex Adanson ms. — Current status: synonym of *Leiosolenus aristatus* (Dillwyn, 1817) [*Mytilus*] (Coan & Valentich-Scott 2012: 140).

*simplex, Modiola* – Leymerie, 1841: 336, *nomen nudum*; 1842: 8, 26, pl. 7, fig. 8, ex Deshayes ms, non (Passy, 1832) [*Mytilus*]. — Type locality: Ville-sur-Terre. — Type age: early Cretaceous (Hauterivian). *Mytilus subsimplex* d’Orbigny, 1850b (d’Orbigny 1850b: 81, no. 346), replacement name. — Current status: *Musculus subsimplex* (d’Orbigny, 1850) (Calzada & Urquiola 1999: 294).

#### Family CYRTODONTIDAE Ulrich, 1894

*balli, Cardium* – Deshayes, 1857-TraitElem: 49. Replacement name for *Cardium ventricosum* (Hall, 1847: 155, pl. 35, figs 1a-f) [*Edmondia*], non Bruguière, 1789, nec d’Orbigny, 1843. — Type locality: New York. — Type age: Silurian. Hylleberg (2004: 543, as “1853”, 827). Replacement name unnecessary, not used by later authors, and reversible in that it replaced a secondary homonym when Deshayes moved species from Paleozoic families into the Cardiidae and then lumped all species under “*Cardium*” (ICZN Code Article 59.3). — Current status: *Cyrtodontula ventricosus* (Hall, 1847) (Toni 1975: 140-142, fig. 2G-H).



## Family ARCIDAE Lamarck, 1809

*Anadara* – Deshayes, 1830a-EncyMeth: 37, *ex* Adanson ms. Re-publication of an unavailable name (ICZN Code Art. 11.5.2). Eventually made available by J. E. Gray (1847).

*Modioliformia* – Deshayes, 1860-DescrCoqFoss: 866, 893. — Type species (SD Newell, 1960): *Arca obliquaria* Deshayes, 1829. Now considered a synonym of *Barbatia* J. E. Gray, 1842.

*altera*, *Arca* – Deshayes, 1858-DescrCoqFoss: 69, pl. 69, figs 14-16. Error in this plate explanation for *Arca disjuncta* (see below).

*amygdaloides*, *Arca (Barbatia)* – Deshayes, 1858-DescrCoqFoss: 66, pl. 66, figs 9-11; 1860-DescrCoqFoss: 882-883. — Type localities: Auvers-sur-Oise, Valmondois & Le Fayel. — Type age: Eocene (Bartonian). — Current status: *Barbatia (Barbatia) amygdaloides* (Deshayes, 1858) (Glibert & Van de Poel 1965a: 37; Le Renard & Pacaud 1995: 81).

*aperta*, *Arca* – Deshayes, 1858-TraitElem: 350. Replacement name for *Arca hians* Reeve, 1844a (pl. 9, fig. 62), “*non* Braun, 1842”. However, we cannot find any use of this species name prior to that of Reeve. — Type locality: None given. — Type age: Recent. The west African *Mosambicarca hians* (Reeve, 1844) (Huber 2010a: 141, 573). NHMUK 1969179, holotype of *Arca hians* Reeve, 1844 (Stevenson 1972: 198). — Current status: *Arca hians* was treated as a *nomen oblitum* by Cosel & Gofas (2019: 140-141) and the species recognized as *Anadara geissei* (Dunker, 1891). However, there are also other species names involved, as indicated by Huber (2010a: 573).

*areolata*, *Arca* – Deshayes, 1858-TraitElem: 349. Replacement name for *Arca decussata* “Reeve, 1844”, *non* Nyst & Westendorp, 1839, but actually *non* Linnaeus, 1758. However, Reeve merely placed *Byssosarca decussata* G. B. Sowerby I, 1833 (p. 18), in *Arca*, and Deshayes’ replacement name was unnecessary and was never accepted. — Type localities: Anaa or Chain Island. — Type age: Recent. — Type material: NHMUK 1969232, 3 syntypes of *Byssosarca decussata* G. B. Sowerby I, 1833 (Stevenson 1972: 197). — Current status: synonym of the Indo-Pacific *Barbatia (Abarbatia) trapezina* (Lamarck, 1819) (Huber 2010a: 134).

*articulata*, *Arca (Barbatia)* – Deshayes, 1858-DescrCoqFoss: 70, pl. 70, figs 7-9 [as figs 6-9 in text]; 1860-DescrCoqFoss: 882; 1865-DescrCoqFoss: 665 [error noted]. — Type localities: Chaumont-en-Vexin, Le Vivray & Hauteville-Bocage. — Type age: Eocene (Lutetian). — Current status: *Barbatia (Barbatia) articulata* (Deshayes, 1858) (Le Renard & Pacaud 1995: 81; Pacaud 2008: 79).

*asperula*, *Arca (Barbatia)* – Deshayes, 1858-DescrCoqFoss: 66, pl. 66, figs 4-6; 1860-DescrCoqFoss: 883-884. — Type localities: Bouconvillers & Le Fayel. — Type age: Eocene (Bartonian). — Current status: *Barbatia (Barbatia) asperula* (Deshayes, 1858) (Le Renard & Pacaud 1995: 81).

*auversiensis*, *Arca (Barbatia)* – Deshayes, 1858-DescrCoqFoss: 70, pl. 70, figs 10-11 [in text as figs 10-12]; 1860-DescrCoqFoss: 877-878; 1865-DescrCoqFoss: 665 [error noted]. — Type locality: Auvers-sur-Oise. — Type age: Eocene (Bartonian). — Current status: *Barbatia (Barbatia) auversiensis* (Deshayes, 1858) (Glibert & Van de Poel 1965a: 38; Le Renard & Pacaud 1995: 81).

*aviculina*, *Arca (Barbatia)* – Deshayes, 1858-DescrCoqFoss: 66, pl. 66, figs 15-17; 1860-DescrCoqFoss: 887-888, *non* Schafhäutl, 1854. — Type localities: Caumont, Chéry-Chartreuve & Verneuil-l’Étang. — Type age: Eocene (Bartonian). — Current status: *Barbatia (Barbatia) montforti* Le Renard, 1994 (Le Renard 1994: 39), replacement name.

*bernayi*, *Arca (Barbatia)* – Deshayes, 1858-DescrCoqFoss: 65, pl. 65, figs 24-26; 1860-DescrCoqFoss: 885. — Type localities: Auvers-sur-Oise, Valmondois & Le Fayel. — Type age: Eocene (Bartonian). — Current status: *Barbatia (Barbatia) bernayi* (Deshayes, 1858) (Glibert & Van de Poel 1965a: 39; Le Renard & Pacaud 1995: 81).

*bilobata*, *Arca* – Deshayes, 1858-TraitElem: 350. Replacement name for *Arca divisa* “d’Orbigny”, actually (M’Coy, in Griffith, 1844: 74, pl. 11, fig. 30) [*Modiola*], *non* Hagenow, 1842. d’Orbigny (1850a: 134, no. 501) had moved M’Coy’s species to *Arca*. — Type locality: Ireland. — Type age: Carboniferous. — Current status: *taxon inquirendum*.

*condita*, *Arca (Barbatia)* – Deshayes, 1858-DescrCoqFoss: 66, pl. 66, figs 7-8, 69, as *Arca “geminata”*, pl. 69, figs 28-30; 1860-DescrCoqFoss: 878-879 [mentioning *geminata*]; 1865-DescrCoqFoss: 666 [error noted]. — Type localities: Chaumont-en-Vexin, les Groux, Gomerfontaine, Montmirail, Parnes, Thiverval-Grignon, La Ferme de l’Orme, Damery, Fleury-la-Rivière, Chamery, Cumières, Hermonville, Boursault, Saint-Félix, Chambors, Auvers-sur-Oise, Bouconvillers, Caumont & La Ferté-sous-Jouarre. — Type age: Eocene (Lutetian-Bartonian). — Current status: synonym of *Barbatia (Barbatia) appendiculata* (J. Sowerby, 1820) (Glibert & Van de Poel 1965a: 37).

*conradi*, *Arca* – Deshayes, 1858-TraitElem: 350. Replacement name for *Arca lima* (Conrad, 1847: 295) [*Byssosarca*], *non* Reeve, 1844. — Type locality: Vicksburg, Mississippi. — Type age: Eocene. — Current status: Dall (1898: 624-626) placed Conrad’s species in synonymy with *Barbatia (Calloarca) cuculoides* (Conrad, 1833) [*Arca*], which would make Deshayes’ replacement a synonym of that species and give it a distribution from the upper Eocene to the lower Oligocene.

*contorta*, *Arca (Acar)* – Deshayes, 1858-DescrCoqFoss: 65, pl. 65, figs 29-32; 1860-DescrCoqFoss: 873-874. — Type localities: Auvers-sur-Oise, Valmondois & Le Fayel. — Type age: Eocene (Bartonian). — Current status: synonym of *Arca (Acar) lyelli* Deshayes, 1829 (Cossmann 1887: 127).

*cordata*, *Arca* – Deshayes, 1858-TraitElem: 349, not preoccupied by *Arca cordata* Benett, 1831, a *nomen nudum*. Replacement name for *Arca cardiiformis* G. B. Sowerby I, 1833, *non* Basterot, 1825. — Type age: Recent – Current status: both *A. cardiiformis* G. B. Sowerby I, 1833 (p. 22), and *A. cordata* Deshayes, 1858, are synonyms of the Panamic *Anadara bifrons* (P. P. Carpenter, 1857) [*Arca*] (Coan & Valentich-Scott 2012: 172, pl. 54).

*crenulata*, *Arca* – Deshayes, 1858-TraitElem: 349. Replacement name for *Arca clathrata* Reeve, 1844a (pl. 7, fig. 48), *non* DeFrance, 1816, *nec* Lamarck, 1818. However, Nyst (1848: 18-19) had proposed an earlier replacement. — Current status: synonym of the Australian *Anadara craticulata* (Nyst, 1848) [*Arca*] (Huber 2010a: 139; 2015: chapter 5 on CD). — Type age: Recent.

*cylindracea*, *Arca* – Deshayes, 1829-DescrCoqFoss: 202, 17, pl. 34, figs 12-14; 1860-DescrCoqFoss: 887, as *Arca (Barbatia)*. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Current status: *Barbatia (Barbatia) cylindracea* (Deshayes, 1829) (Glibert & Van de Poel 1965a: 39; Le Renard & Pacaud 1995: 81).

*dichotoma*, *Arca* – Deshayes, 1863: 22, pl. 3, figs 18-19. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-3861, 2 syntypes. Synonym of *Vitracar sulcata* (Lamarck, 1819) [*Arca*] (Oliver 1992: 34, as *Barbatia*; Huber 2010a: 561; 2015: chapter 5 on CD).

*disjuncta*, *Arca* – Deshayes, 1858-DescrCoqFoss: 68, pl. 68, figs 30-32; 69, as *Arca “altera”*, pl. 69, figs 14-16; 1860-DescrCoqFoss: 871-872; 1865-DescrCoqFoss: 666 [error in pl. expl. 69 noted]. —

Type localities: Hérouval & Mercin-et-Vaux. — Type age: Eocene (Ypresian). — Type material: MNHN.F.J04155, syntype. — Current status: *Arca (Arca) disjuncta* Deshayes, 1858 (Glibert & Van de Poel 1965a: 35; Le Renard & Pacaud 1995: 81).

*distans*, *Arca (Barbatia)* – Deshayes, 1858-DescrCoqFoss: 66, pl. 66, figs 18-23; 1860-DescrCoqFoss: 886-887; 1865-DescrCoqFoss: 667 [on pl., figs 21-23 mislabeled as 24-26]. — Type localities: Auvers-sur-Oise, Valmondois, Le Fayel & La Ferté-sous-Jouarre. — Type age: Eocene (Bartonian). — Current status: *Barbatia (Barbatia) distans* (Deshayes, 1858) (Glibert & Van de Poel 1965a: 40; Le Renard & Pacaud 1995: 81).

*duchasteli*, *Arca* – Deshayes, 1829-DescrCoqFoss: 217, 19, pl. 39, figs 1-3; 1860-DescrCoqFoss: 889, as *Arca (Barbatia)*. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Barbatia (Barbatia) duchasteli* (Deshayes, 1858) (Le Renard & Pacaud 1995: 82; Pacaud 2008: 80).

*edwardsi*, *Arca (Barbatia)* – Deshayes, 1858-DescrCoqFoss: 66, pl. 66, figs 24-26; 1860-DescrCoqFoss: 884-885; 1865-DescrCoqFoss: 667 [on pl., figs 24-26 mislabeled as 21-23]. — Type localities: Auvers-sur-Oise, Valmondois, Vendrest & Le Fayel. — Type age: Eocene (Bartonian). — Current status: *Barbatia (Barbatia) barbatula* [Lamarck, 1805] *edwardsi* (Deshayes, 1858) (Le Renard & Pacaud 1995: 82).

*effossa*, *Arca* – Deshayes, 1858-DescrCoqFoss: 67, pl. 67, figs 29-32, as *A. effossa*; 1860-DescrCoqFoss: 905. — Type locality: Mercin-et-Vaux. — Type age: Eocene (Ypresian). — Current status: *Trigonodesma effossa* (Deshayes, 1858) (Glibert & Van de Poel 1965a: 66; Le Renard & Pacaud 1995: 82).

*errata*, *Arca* – Deshayes, 1858-TraitElem: 350. Unnecessary replacement name for *Arca sublata* d'Orbigny, 1850b (d'Orbigny 1850b: 18, no. 292), itself a replacement for the Jurassic *Arca lata* Koch & Dunker, 1837 (Koch & Dunker 1837: 49), *non* Gmelin, 1791, because Deshayes felt that d'Orbigny's name was inappropriate (his footnote 1). — Current status: synonym of *Arca sublata* d'Orbigny, 1850.

*exornata*, *Arca (Barbatia)* – Deshayes, 1858-DescrCoqFoss: 69, pl. 69, figs 1-3; 1860-DescrCoqFoss: 890-891. — Type localities: Laon, Cuise-la-Motte, Hérouval & Carla-Bayle (Ariège, France). — Type age: Eocene (Ypresian). — Type material: MNHN.F.J04144, syntype. — Current status: *Barbatia (Rostarca) exornata* (Deshayes, 1858) (Glibert & Van de Poel 1965a: 44-45; Le Renard & Pacaud 1995: 82).

*fichteli*, *Arca* – Deshayes, 1858-TraitElem: 350, 360. New species for *Arca diluvii* Lamarck, 1805, of Hauer, 1847 (Hauer 1847: 353). — Type locality: Coroi, Siebenbürgen, Romania. — Type age: Miocene (Burdigalian). — Current status: *Anadara fichteli* (Deshayes, 1858) (Hörnes 1870: 329-330, pl. 43, figs 1-2, pl. 44, fig. 1; Glibert & Van de Poel 1965a: 54).

*fligrana*, *Arca* – Deshayes, 1829-DescrCoqFoss: 212, 17, pl. 33, figs 15-17; 1835-HistNatAnim2: 482; 1839-HistNatAnim3: 652; 1860-DescrCoqFoss: 875-876, as *Arca (Barbatia)*. — Type localities: Ferme de l'Orme & Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Current status: *Barbatia (Cucullaearca) fligrana* (Deshayes, 1829) (Glibert & Van de Poel 1965a: 46; Le Renard & Pacaud 1995: 81; Pacaud 2008: 80).

*geminata*, *Arca*; see above under: *condita*, *Arca (Barbatia)*.

*globulosa*, *Arca* – Deshayes, 1829-DescrCoqFoss: 209-210, 17, pl. 33, figs 4-6; 1860-DescrCoqFoss: 893, as *Arca (Anadara)*. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Scapularca globulosa* (Deshayes, 1829) (Glibert & Van de Poel 1965a: 63; Le Renard & Pacaud 1995: 82; Pacaud 2008: 80).

*gracilis*, *Arca (Barbatia)* – Deshayes, 1858-DescrCoqFoss: 69, pl. 69, figs 22-24; 1860-DescrCoqFoss: 888-889. — Type locality: Chéry-Chartreuve. — Type age: Eocene (Bartonian). — Current status: *Barbatia (Barbatia) gracilis* (Deshayes, 1858) (Le Renard & Pacaud 1995: 82).

*granulosa*, *Arca* – Deshayes, 1829-DescrCoqFoss: 208-209, 16, pl. 32, figs 17-18; 1860-DescrCoqFoss: 892, as *Arca (Anadara)*. — Type localities: Parnes, Châteaurouge & Ully-Saint-Georges. — Type age: Eocene (Lutetian). — Current status: *Lunarca granulosa* (Deshayes, 1829) (Glibert & Van de Poel 1965a: 59; Le Renard & Pacaud 1995: 82; Pacaud 2008: 80).

*heberti*, *Arca (Barbatia)* – Deshayes, 1858-DescrCoqFoss: 70, pl. 70, figs 4-6 [as figs 3-5 in text]; 1860-DescrCoqFoss: 884; 1865-DescrCoqFoss: 665 [error noted], “*non* Cotteau, 1855”. — Type locality: Mercin-et-Vaux. — Type age: Eocene (Ypresian). — Type material: MNHN.F.J04173, holotype. *Arca gervaisi* Bayan, 1873a (Bayan 1873a: 130), unnecessary replacement name. — Current status: *Arca (Barbatia) heberti* Deshayes, 1858, is not a homonym of *Arca hebertiana* Cotteau, 1855, now *Barbatia (Barbatia) heberti* (Deshayes, 1858).

*hyantula*, *Arca* – Deshayes, 1829-DescrCoqFoss: 199-200, 17, pl. 34, figs 7-8. — Type localities: Valmondois, Acy-en-Multien. — Type age: Eocene (Bartonian); Touraine, Dax & Bordeaux. However, the Miocene material from the latter three localities is instead *Arca biangulina* d'Orbigny, 1852 (Deshayes, 1860-DescrCoqFoss: 868, “La variété provenant des faluns de Touraine et de Dax que nous admettions dans notre *hyantula*, constitue une espèce distincte”). — Current status: synonym of *Arca biangula* Lamarck, 1805 (Deshayes 1860-DescrCoqFoss: 867).

*inaspecta*, *Arca*; see below under: *obliquaria*, *Arca*.

*insignis*, *Arca (Barbatia)* – Deshayes, 1858-DescrCoqFoss: 65, pl. 65, figs 27-28; 1860-DescrCoqFoss: 876. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Current status: synonym of *Barbatia (Cucullaearca) sculptata* (Deshayes, 1858) (Le Renard & Pacaud 1995: 81; Pacaud 2008: 80).

*interposita*, *Arca (Anadara)* – Deshayes, 1858-DescrCoqFoss: 67, pl. 67, figs 11-13; 1860-DescrCoqFoss: 892-893. — Type locality: Hérouval. — Type age: Eocene (Ypresian). — Current status: *Scapularca interposita* (Deshayes, 1858) (Le Renard & Pacaud 1995: 82; Pacaud 2008: 80).

*intersecta*, *Arca (Barbatia)* – Deshayes, 1858-DescrCoqFoss: 69, pl. 69, figs 25-27; 1860-DescrCoqFoss: 889-890. — Type locality: Aizy-Jouy. — Type age: Eocene (Ypresian). — Type material: MNHN.F.J04144, syntype. — Current status: *Barbatia (Rostarca) intersecta* (Deshayes, 1858) (Le Renard & Pacaud 1995: 82).

*irregularis*, *Arca* – Deshayes, 1829-DescrCoqFoss: 208, 16, pl. 32, figs 9-10; 1860-DescrCoqFoss: 880-881, as *Arca (Barbatia)*. — Type localities: Chaumont-en-Vexin & Valmondois. — Type age: Eocene (Lutetian-Bartonian). — Current status: *Barbatia (Barbatia) irregularis* (Deshayes, 1829) (Le Renard & Pacaud 1995: 81; Pacaud 2008: 80).

*lamellosa*, *Arca (Acar)* – Deshayes, 1858-DescrCoqFoss: 69, pl. 69, figs 4-9; 1860-DescrCoqFoss: 872-873. — Type localities: Parnes, Chaumont-en-Vexin, Mouchy-le-Châtel, Chaussy, Le Fayel & Hauteville-Bocage. — Type age: Eocene (Lutetian-Bartonian). — Current status: *Acar lamellosa* (Deshayes, 1858) (Glibert & Van de Poel 1965a: 47; Le Renard & Pacaud 1995: 81; Pacaud 2008: 80; Leroy *et al.* 2014: 27, pl. 7, fig. 3a-b).

*laudumensis*, *Arca* – Deshayes, 1858-DescrCoqFoss: 69, pl. 69, figs 10-13; 1860-DescrCoqFoss: 870-871. — Type locality: Laon. — Type age: Eocene (Ypresian). — Current status: *Arca (Arca) laudumensis* Deshayes, 1858 (Le Renard & Pacaud 1995: 81).



*lucida*, *Arca* (*Barbatia*) – Deshayes, 1858-*DescrCoqFoss*: 67, pl. 67, figs 26-28; 1860-*DescrCoqFoss*: 891-892. — Type localities: Parnes & Fontenay-Saint-Père. — Type age: Eocene (Lutetian). — Current status: *Barbatia* (*Rostarca*) *lucida* (Deshayes, 1858) (Glibert & Van de Poel 1965a: 45; Le Renard & Pacaud 1995: 82; Pacaud 2008: 80).

*lyelli*, *Arca* – Deshayes, 1829-*DescrCoqFoss*: 200-201, 17, pl. 34, figs 9-11; 1860-*DescrCoqFoss*: 873, as *Arca* (*Acar*). — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Current status: *Acar lyelli* (Deshayes, 1829) (Glibert & Van de Poel 1965a: 48; Le Renard & Pacaud 1995: 81).

*magellanoides*, *Arca* – Deshayes, 1829-*DescrCoqFoss*: 213, 16, pl. 32, figs 7-8; 1860-*DescrCoqFoss*: 895-896. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Current status: *Barbatia* (*Barbatia*) *magellanoides* (Deshayes, 1829) (Glibert & Van de Poel 1965a: 40; Le Renard & Pacaud 1995: 82).

*marceauxiana*, *Arca* – Deshayes, 1858-*DescrCoqFoss*: 67, pl. 67, figs 3-5; 1860-*DescrCoqFoss*: 897-898. — Type localities: Hermonville, Boursault, Damery, Le Guépelle, Auvers-sur-Oise, Valmondois & Ludes. — Type age: Eocene (Lutetian-Bartonian-Priabonian). — Current status: *Barbatia* (*Barbatia*) *marceauxiana* (Deshayes, 1858) (Glibert & Van de Poel 1965a: 41; Le Renard & Pacaud 1995: 82; Pacaud 2008: 80).

*minuata*, *Arca* – Deshayes, 1858-*DescrCoqFoss*: 65, pl. 65, figs 20-23; 1860-*DescrCoqFoss*: 869-870. — Type localities: Parnes, Thiverval-Grignon, Les Groux, Mouy, Coincourt, Hérouval, Chambors, Beaugrenier, Beauval & Auvers-sur-Oise. — Type age: Eocene (Lutetian-Bartonian). — Current status: *Arca* (*Arca*) *minuata* Deshayes, 1858 (Le Renard & Pacaud 1995: 81; Pacaud 2008: 79).

*minuta*, *Arca* – Deshayes, 1833b: 231, “pl. 7, figs 4-6”, *nomen nudum*; 1835b: 110-111, pl. 24, figs 4-6, *non* O. F. Müller, 1776, *nec* J. Adams, 1797, *nec* Brocchi, 1814. — Type locality: Peloponnese Peninsula, Greece. — Type age: Recent. Subapennine Formation, Pliocene. *Arca pumila* Nyst, 1848 (Nyst 1848: 58-59), replacement name for *Arca minuta* Deshayes, 1835, as *non* (J. de C. Sowerby, 1824) [*Cucullaea*]. — Current status: *taxon inquirendum*.

*modioliformis*, *Arca* – Deshayes, 1829-*DescrCoqFoss*: 214-215, 16, pl. 32, figs 5-6; 1835-*HistNatAnim*2: 482; 1839-*HistNatAnim*3: 652; 1860-*DescrCoqFoss*: 896-897. — Type localities: Cuise-la-Motte & Maule. — Type age: Eocene (Ypresian-Lutetian); Valmondois (material from this locality is more likely to be *Barbatia rigaultiana* (Deshayes, 1858) from the Bartonian Eocene – Pacaud herein). — Type species (OD) of *Obliquarca* Sacco, 1898, which is now regarded as a synonym of *Barbatia* J. E. Gray, 1842. — Current status: *Barbatia* (*Barbatia*) *modioliformis* (Deshayes, 1829) (Glibert & Van de Poel 1965a: 41; Le Renard & Pacaud 1995: 82; Pacaud 2008: 80; Berezovsky 2015a: 1022-1024, pl. 11, figs 6-7; Nevesskaja et al. 2013: 201-203, fig. 69-2, with generic name misspelled as “*Obliquiarca*”).

*mollis*, *Arca* – Deshayes, 1858-*TraitElem*: 350. Replacement name for *Arca minuta* Reeve, 1844a (pl. 17, fig. 112), *non* Deshayes, 1835. However, both of the latter are *non Arca minuta* O. F. Müller, 1776, *non* J. Adams, 1797, *nec Arca minuta* Brocchi, 1814. The first replacement name for Reeve’s species was *Arca minima* Nyst, 1848 (Nyst 1848: 44); however, it is a junior homonym of *Arca minima* Turton, 1819. — Type locality: Philippine Islands. — Type age: Recent. — Current status: Reeve’s species remains a *taxon inquirendum* and if recognized would require another replacement name.

*morieri*, *Arca* (*Barbatia*) – Deshayes, 1858-*DescrCoqFoss*: 65, pl. 65, figs 18-19; 1860-*DescrCoqFoss*: 874-875 [said to be named for a Mr. “Morière”]; 1865-*DescrCoqFoss*: 665, 666 [name should have been *Arca morlieri*, but this change would not be permitted – ICZN Code Art. 32.5]. — Type localities: Pierrefonds, Cuise-la-Motte &

Hérouval. — Type age: Eocene (Ypresian). — Current status: *Barbatia* (*Cucullaearca*) *morieri* (Deshayes, 1858) (Le Renard & Pacaud 1995: 81; Pacaud & Le Renard 1995: 187, as “*morlieri*”).

*nystii*, *Arca* – Deshayes, 1858-*TraitElem*: 350. Replacement name for *Arca pusilla* Nyst, 1845a (Nyst 1845a: 261-262), *non* (G. B. Sowerby I, 1833) [*Byussoarca*] when Deshayes placed them both in *Arca*. In fact, Nyst had described his taxon somewhat earlier (1835: 14, pl. 3, fig. 55), as *Arca* (*Cucullaea*) *pusilla*. — Type locality: Anvers [Antwerp], Belgium. — Type age: – Miocene. — Current status: Deshayes replacement is a synonym of Nyst’s species.

*obliquaria*, *Arca* – Deshayes, 1829-*DescrCoqFoss*: 215-216, 17, pl. 34, figs 18-19; 1860-*DescrCoqFoss*: 893-894, 67, as *Arca inaspecta*, pl. 67, figs 8-10, 10 bis. — Type localities: Cuise-la-Motte & Ferme de l’Orme. — Type age: Eocene (Ypresian-Lutetian). He considered naming an additional species based on some figured specimens but changed his mind. — Current status: *Barbatia* (*Barbatia*) *obliquaria* (Deshayes, 1829) (Le Renard & Pacaud 1995: 82; Pacaud 2008: 80; Hickman 2021: 16, fig. 5A-H).

*ornata*, *Arca* (*Barbatia*) – Deshayes, 1858-*DescrCoqFoss*: 70, pl. 70, figs 18-20; 1860-*DescrCoqFoss*: 886. — Type locality: Chaussy. — Type age: Eocene (Lutetian). — Current status: *Barbatia* (*Barbatia*) *ornata* (Deshayes, 1858) (Le Renard & Pacaud 1995: 81; Pacaud 2008: 80).

*planicosta*, *Arca* – Deshayes, 1829-*DescrCoqFoss*: 204-205, 16, pl. 32, figs 1-2; 1835-*HistNatAnim*2: 480; 1839-*HistNatAnim*3: 631; 1860-*DescrCoqFoss*: 878, as *Arca* (*Barbatia*). — Type localities: Mouchy-le-Châtel, Parnes, Senlis & Valmondois. — Type age: Eocene (Lutetian-Bartonian). *Barbatia* (*Barbatia*) *appendiculata* [J. Sowerby, 1821] *planicosta* (Deshayes, 1829) (Le Renard & Pacaud 1995: 81). — Current status: *Barbatia* (*Barbatia*) *planicosta* (Deshayes, 1829) (Pacaud 2008: 80).

*portlocki*, *Arca* – Deshayes, 1858-*TraitElem*: 350. Replacement name for *Arca transversa* Portlock, 1843 (Portlock 1843: 428, pl. 34, fig. 4), *non* Say, 1822. However, *Arca transversalis* Nyst, 1848 (Nyst 1848: 74), was an earlier replacement name. — Type locality: Tyrone, Northern Ireland. — Type age: Silurian.

*pretiosa*, *Arca* – Deshayes, 1858-*DescrCoqFoss*: 70, pl. 70, figs 16-17; 1860-*DescrCoqFoss*: 901. — Type localities: Étréchy, Alzey, Mayence & Kassel. — Type age: Oligocene (Rupelian). *Striarca* (*Galactella*) *pretiosa* (Deshayes, 1858) (Glibert & Van de Poel 1965a: 62). — Current status: *Striarca pretiosa* (Deshayes, 1858) (R. Janssen 1979: 29; Lozouet & Maestrati 2012a: 246, 248, fig. 156: 11-14; Berezovsky 2015a: 1045-1046, pl. 16, fig. 7).

*profunda*, *Arca* – Deshayes, 1829-*DescrCoqFoss*: 207-208, 16, pl. 32, figs 3-4; 1860-*DescrCoqFoss*: 880-881, as synonym of *Arca irregularis* Deshayes, 1829. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Current status: synonym of *Arca irregularis* Deshayes, 1829.

*punctifera*, *Arca* – Deshayes, 1829-*DescrCoqFoss*: 202-203, 16, pl. 32, figs 13-14; 1860-*DescrCoqFoss*: 890. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Barbatia* (*Rostarca*) *punctifera* (Deshayes, 1829) (Glibert & Van de Poel 1965a: 45; Le Renard & Pacaud 1995: 82; Pacaud 2008: 80).

*radians*, *Arca* – Deshayes, 1858-*TraitElem*: 350. Replacement name for *Arca radiata* Reeve, 1844a (pl. 6, fig. 40), *non* J. de C. Sowerby, 1840, *nec* Schroeter, 1802, *nec* G. Fischer, 1807, *nec* Münster, in Goldfuss, 1837. — Type locality: Japan. — Type age: Recent. However, an earlier replacement name was *Arca tricenicosta* Nyst, 1848 (Nyst 1848: 74). — Current status: the Japanese *Anadara tricenicosta* (Nyst, 1848) (Huber 2010a: 140).

*revelata*, *Arca* – Deshayes, 1863: 23, pl. 3, figs 20-21. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-3922, syntype; MNHN-IM-2000-3954, syntype. — Current status: *Barbatia* (*Barbatirus*) *revelata* (Deshayes, 1863) (Huber 2010a: 134, 564).

*rigaultiana*, *Arca* – Deshayes, 1858-DescrCoqFoss: 67, pl. 67, figs 6-7; 1860-DescrCoqFoss: 896. — Type localities: Caumont, Le Guépelle, La Ferté-sous-Jouarre, Le Fayel & Auvers-sur-Oise. — Type age: Eocene (Bartonian). — Current status: *Barbatia* (*Barbatia*) *rigaultiana* (Deshayes, 1858) (Glibert & Van de Poel 1965a: 42; Le Renard & Pacaud 1995: 82).

*rudis*, *Arca* – Deshayes, 1829-DescrCoqFoss: 210-211, 17, pl. 33, figs 7-8, *non Arca rudis* (J. de C. Sowerby, 1824) [*Cucullaea*]; 1835-HistNatAnim2: 481-482; 1839-HistNatAnim3: 652; 1860-DescrCoqFoss: 874, as *Arca* (*Barbatia*). — Type localities: Valognes & Valmondois. — Type age: Eocene (Lutetian-Bartonian) & Touraine, Angers; Miocene (Tortonian). Material from the latter locality is more likely *Barbatia* (*Cucullaearca*) *bohémica* Reuss, 1860) (Pacaud herein). *Arca scabrosa* Nyst, 1848 (Nyst 1848: 64-65), replacement name. *Arca subrudis* d'Orbigny, 1850b (d'Orbigny 1850b: 424, no. 1630), unnecessary additional replacement name. — Current status: *Barbatia* (*Cucullaearca*) *scabrosa* (Nyst, 1848) (Le Renard & Pacaud 1995: 81).

*sabuletorum*, *Arca* (*Barbatia*) – Deshayes, 1858-DescrCoqFoss: 70, pl. 70, figs 1-3 [fig. 3 not mentioned in text]; 1860-DescrCoqFoss: 877; 1865-DescrCoqFoss: 665 [error noted]. — Type localities: Auvers-sur-Oise & Mary-sur-Marne. — Type age: Eocene (Bartonian). — Current status: *Barbatia* (*Barbatia*) *sabuletorum* (Deshayes, 1858) (Le Renard & Pacaud 1995: 81).

*sandbergeri*, *Arca* – Deshayes, 1858-DescrCoqFoss: 68, pl. 68, figs 1-3; 1860-DescrCoqFoss: 868-869. — Type localities: Romainville, Château-Landon, Mayence, Kassel & Magdeburg. — Type age: Oligocene (Rupelian). — Type material: MNHN.FJ04138, syntype. — Current status: *Arca* (*Arca*) *sandbergeri* Deshayes, 1858 (Glibert & Van de Poel 1965a: 36; R. Janssen 1979: 23; Lozouet & Maestrati 2012a: 446-447, fig. 156: 7-10; Berezovski 2015a: 999-1003, pl. 2, figs 1-4, pl. 3, figs 1-4, pl. 4, figs 1, 6).

*sculptata*, *Arca* – Deshayes, 1829-DescrCoqFoss: 211, 17, pl. 33, figs 12-14; 1860-DescrCoqFoss: 876, as *Arca* (*Barbatia*). — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). *Barbatia* (*Barbatia*) *sculptata* (Deshayes, 1829) (Glibert & Van de Poel 1965a: 42). — Current status: *Barbatia* (*Cucullaearca*) *sculptata* (Deshayes, 1829) (Le Renard & Pacaud 1995: 81; Pacaud 2008: 80).

*semidentata*, *Arca* – Deshayes, 1839-TraitElem: 23, pl. 36, figs 8-9. — Type locality: none given. — Type age: Recent. — Current status: synonym of the western Atlantic *Lunarca ovalis* (Bruguière, 1789) [*Arca*] (Mikkelsen & Bieler 2007: 52-53; Huber 2010a: 42; 2015: chapter 5 on CD).

*setosa*, *Arca* – Deshayes, 1858-TraitElem: 350. Replacement name for *Arca obliqua* Reeve, 1844a (pl. 6, fig. 41), *non* Portlock, 1843, *nec* Philippi, 1844. However, an earlier replacement was *Arca setigericosta* Nyst, 1848 (Nyst 1848: 68). — Type locality: west coast of Africa. — Type age: Recent. — Current status: the Asian *Anadara setigericosta* (Nyst, 1848) (Huber 2010a: 136).

*sicula*, *Arca* – Deshayes, 1858-TraitElem: 350. Replacement name for *Arca obliqua* R. A. Philippi, 1844b (Philippi 1844b: 43-44, 299, pl. 15, fig. 2, 2c), *non* Portlock, 1843. However, an earlier replacement was *Arca philippiana* Nyst, 1848 (Nyst 1848: 54) (Coan & Kabat 2017: 54, who discussed related nomenclatural complexities). — Type locality: Lamati, Calabria, Italy. — Type age: Recent. — Current status: the eastern Atlantic *Bathyarca philippiana* (Nyst, 1848) (Huber 2010a: 142).

*smithi*, *Arca* – Deshayes, 1858-TraitElem: 350. Replacement name for *Arca subrostrata* “Smith”, actually G. B. Sowerby I, in J. Smith, 1847 (Smith 1847: 418, pl. 15, figs 8-9), *non* Anton, 1838, *nec* Conrad, 1841. — Type locality: near Lisbon, Portugal. — Type age: early Miocene. — Current status: *taxon inquirendum*.

*spathulata*, *Arca* – Deshayes, 1858-DescrCoqFoss: 70, pl. 70, as *A. spatulata*, figs 12-15 [in text as figs 13-15]; 1860-DescrCoqFoss: 895; 1865-DescrCoqFoss: 665 [error in spelling on plate explanation noted]. — Type localities: Auvers-sur-Oise, Jaignes & Le Fayel. — Type age: Eocene (Bartonian). The correction in spelling would be allowed because it is evident that it was a typographical error (ICZN Code Art. 32.5.1). — Current status: *Barbatia* (*Barbatia*) *spathulata* (Deshayes, 1858) (Glibert & Van de Poel 1965a: 42; Le Renard & Pacaud 1995: 82; Tréguier & Pacaud 2018: 211).

*sphaeroidalis*, *Arca* – Deshayes, 1858-TraitElem: 350. Replacement name for *Arca globosa* Reeve, 1844a (pl. 8, fig. 52), *non* Dubois de Montpéroux, 1837, but the latter was a *nomen nudum*, so Deshayes name was an unnecessary replacement. — Type locality: Catbalonga, Samar, Philippine Islands. — Type age: Recent. — Current status: the Indo-Pacific *Anadara globosa* (Reeve, 1844) (Huber 2010a: 137, 569).

*textiliosa*, *Arca* (*Barbatia*) – Deshayes, 1858-DescrCoqFoss: 66, pl. 66, figs 12-14 [text in captions 12 & 13 reversed]; 1860-DescrCoqFoss: 881; 1865-DescrCoqFoss: 666 [error noted]. — Type localities: Auvers-sur-Oise & Caumont. — Type age: Eocene (Bartonian). — Current status: *Barbatia* (*Barbatia*) *textiliosa* (Deshayes, 1858) (Le Renard & Pacaud 1995: 81).

*trapezia*, *Arca* – Deshayes, 1839d: 358; 1840: 2, pl. 21. — Type locality: “San Blas, Mexico” [actually Australia]. — Type age: Recent. — Type material: MNHN unnumbered, 2 probable syntypes. — Current status: the Australian-New Zealand *Anadara trapezia* (Deshayes, 1839) (Powell 1979: 363-364, pl. 71, fig. 5; Beu 2004: 134-139, fig. 6; Huber 2010a: 137; Poppe 2010: 476, pl. 929, figs 1-3).

*trigona*, *Arca* – Deshayes, 1858-TraitElem: 350, *non* J. E. Gray, 1825. Replacement name for *Arca obliquata* Zieten, 1833 (Zieten 1833: 93-94, pl. 70, fig. 2a-b), *non* “Gray”, actually *non* W. Wood, 1828. — Type locality: Nattheim, near Heidenheim, Germany. — Type age: Jurassic (Kimmeridgian). Unfortunately, Deshayes created another junior homonym and therefore synonym. A still later *Arca obliquata* Locard, 1899, is a synonym of *Bathyarca philippiana* (Nyst, 1848) [*Arca*]. — Current status: Zieten's species remains a *taxon inquirendum*.

*turgidula*, *Arca* – Deshayes, 1844d: 2, pl. 84. — Type locality: none given. — Type age: Recent. *Barbatia* (*Ustularca*)? — Current status: *taxon inquirendum* (Huber 2015: chapter 5 on CD).



*scapulina*, *Scapularca* – Listed by Pacaud (2008: 80) as “Deshayes, 1805”, an error for Lamarck, 1805.

*striatularis*, *Arca* – Deshayes, 1858-DescrCoqFoss: 67, pl. 67, figs 1-2; 1860-DescrCoqFoss: 894-895. Made available by Melville (1843: 84 [37-38, 82], pl. 2, figs 12-14). Ciry Salsogne. — Type age: Eocene (Ypresian). Glibert & Van de Poel (1965a: 42) had as “Deshayes”.

#### Family CUCULLAEIDAE Stewart, 1930

*patruelis*, *Cucullaea* – Deshayes, 1858-TraitElem: 369. Replacement name for *Cucullaea ovalis* F. A. Roemer, 1839 (Roemer 1839: 37-38, pl. 19, fig. 4), *non* “Nilson, 1827”, actually *non* Bruguière, 1789. — Type localities: near Dellingsen & in the Weserkette. — Type age: Portland limestone, Jurassic. — Current status: *taxon inquirendum*.



*sowerbyi*, *Cucullaea* – Deshayes, 1858-TraitElem: 368. Replacement name for *Cucullaea carinata* J. Sowerby, 1818 (J. Sowerby 1818: pl. 207, fig. 1), *non Arca carinata* J. Sowerby, 1813 (J. Sowerby 1813: 96, pl. 44, lower two figs), now *Nanonavis carinata* (J. Sowerby, 1813). — Type locality: none given. — Type age: Blackdown Formation [early Cretaceous (Albian)]. — Current status: *taxon inquirendum*.

#### Family GLYCYMERIDIDAE Dall, 1908 [1847]

*acuminatus*, *Pectunculus* – Deshayes, 1858-DescrCoqFoss: 73, pl. 73, figs 5-7; 1860-DescrCoqFoss: 855, 857, as *Pectunculus polymorphus acuminatus*. — Type locality: none given. — Type age: Eocene (Ypresian). — Current status: synonym of *Axinaea (Axinaea) polymorpha* (Deshayes, 1860) (Cossmann 1887: 122).

*angusticardo*, *Pectunculus* – Deshayes, 1858-DescrCoqFoss: 73, pl. 73, figs 12-13; 1860-DescrCoqFoss: 855, 857, as *Pectunculus polymorphus angusticardo*. — Type locality: none given. — Type age: Eocene (Ypresian). Synonym of *Axinaea (Axinaea) polymorpha* (Deshayes, 1860) (Cossmann 1887: 122).

*depressus*, *Pectunculus* – Deshayes, 1829-DescrCoqFoss: 222-223, 18, pl. 35, figs 12-14; 1832-EncyMeth: 742. 1835-HistNatAnim2: 499-500; 1839-HistNatAnim3: 657; 1858-DescrCoqFoss: 861-862. — Type localities: Acy-en-Multien & Valmondois. — Type age: Eocene (Bartonian). — Current status: *Glycymeris depressa* (Deshayes, 1829) (Glibert & Van de Poel 1965a: 83; Le Renard & Pacaud 1995: 81).

*dissimilis*, *Pectunculus* – Deshayes, 1858-DescrCoqFoss: 71, pl. 71, figs 4-6; 1860-DescrCoqFoss: 862-863. — Type localities: Caumont, Mary-sur-Marne, Crouy, Coulombs, Acy-en-Multien & Vendrest. — Type age: Eocene (Bartonian). — Current status: *Glycymeris dissimilis* (Deshayes, 1858) (Le Renard & Pacaud 1995: 81).

*duboisii*, *Pectunculus* – Deshayes, 1858-TraitElem: 331. Based on a Dubois de Montpéreux (1831: 64-65, pl. 7, figs 7-8) figure of *Pectunculus pulvinatus* Lamarck, 1805. — Type locality: Wolhyni-Podolien Plateau, Caucasus, Georgia. — Type age: Miocene (Burdigalian). Preoccupies *Pectunculus duboisii* Mayer-Eymar, 1868. — Current status: *taxon inquirendum*.

*expansus*, *Pectunculus* – Deshayes, 1858-DescrCoqFoss: 72, pl. 72, figs 5-6; 1860-DescrCoqFoss: 855, 857, as *Pectunculus polymorphus expansus*. — Type locality: none given. — Type age: Eocene (Ypresian). — Current status: synonym of *Axinaea (Axinaea) polymorpha* (Deshayes, 1860) (Cossmann 1887: 122).

*fichteli*, *Pectunculus* – Deshayes, 1858-TraitElem: 330. Based *Pectunculus polyodonta* (Brocchi, 1814) [*Arca*] of Hauer (1847: 353). — Type locality: Coroi, Siebenbürgen, Romania. — Type age: Miocene (Burdigalian). *Glycymeris bimaculata* [Poli, 1795] *fichteli* (Deshayes, 1858) (Hörnes 1870: 315-316, pl. 39, fig. 1; Glibert & Van de Poel 1965a: 82, as “1852”). — Current status: *Glycymeris (Chevronia) fichteli* (Deshayes, 1858) (Moerdijk & Van Nieulande 2000: 4, as “1852”).

*heterodon*, *Pectunculus* – Deshayes, 1858-DescrCoqFoss: 72, as full species, pl. 72, figs 16-17; 1860-DescrCoqFoss: 855, 857, as *Pectunculus polymorphus heterodon*. — Type locality: none given. — Type age: Eocene (Ypresian). — Current status: synonym of *Axinaea (Axinaea) polymorpha* (Deshayes, 1860) (Cossmann 1887: 122).

*humilis*, *Pectunculus* – Deshayes, 1858-DescrCoqFoss: 73, pl. 73, figs 8-9; 1860-DescrCoqFoss: 859-860. — Type locality: Cœuvres-et-Valsery. — Type age: Eocene (Ypresian). — Current status: *Glycymeris humilis* (Deshayes, 1858) (Le Renard & Pacaud 1995: 81).

*medius*, *Pectunculus* – Deshayes, 1858-DescrCoqFoss: 71, pl. 71, figs 1-3; 1860-DescrCoqFoss: 861. — Type localities: Ducy, Crouy, Coulombs, Caumont, Mary-sur-Marne, Vendrest, Acy-en-Multien, Jaignes, Beauval & La Ferté-sous-Jouarre. — Type age: Eocene (Bartonian). — Current status: synonym of *Axinaea (Axinaea) subangulata* (Deshayes, 1858) (Cossmann 1887: 124).

*microsomus*, *Pectunculus* – Deshayes, 1858-DescrCoqFoss: 73, pl. 73, figs 3-4; 1860-DescrCoqFoss: 855, 857, as *Pectunculus polymorphus microsomus*. — Type locality: none given. — Type age: Eocene (Ypresian). — Current status: synonym of *Axinaea (Axinaea) polymorpha* (Deshayes, 1860) (Cossmann 1887: 122).

*numismalis*, *Pectunculus* – Deshayes, 1835a: 321, *nomen nudum*.

*obliteratus*, *Pectunculus* – Deshayes, 1858-DescrCoqFoss: 70, pl. 70, figs 21-23; 1860-DescrCoqFoss: 848. — Type localities: Etréchy, Morigny-Champigny & Jeurre; Weinheim, Germany. — Type age: Oligocene (Rupelian). — Current status: synonym of *Axinaea (Tucetilla) angusticostata* (Lamarck, 1807) [*Pectunculus*] (Glibert & Van de Poel 1965a: 77).

*paucidentatus*, *Pectunculus* – Deshayes, 1858-DescrCoqFoss: 73, pl. 73, figs 16-17; 1860-DescrCoqFoss: 852-853. — Type localities: Sinceny, Vauxbuin, Cuise-la-Motte & Compiègne; Wolwich, England. — Type age: Eocene (Ypresian). — Current status: *Glycymeris terebratularis* [Lamarck, 1805] *paucidentata* (Deshayes, 1858) (Glibert & Van de Poel 1965a: 90; Le Renard & Pacaud 1995: 81).

*pectinoides*, *Pectunculus* – Deshayes, 1844-RegAnim: pl. 87, fig. 8. — Type locality: none given. — Type age: Recent. — Current status: synonym of the Panamic *Tucetona strigilata* (G. B. Sowerby I, 1833) [*Pectunculus*] (Huber 2010a: 155; Coan & Valentich-Scott 2012: 199, as “1843”).

*polymorphus*, *Pectunculus* – Deshayes, 1860-DescrCoqFoss: 855-858. — Type localities: Pommers, Cœuvres-et-Valsery, Aizy-Jouy, Laon & Mourballon (Aisne). — Type age: Eocene (Ypresian). *Glycymeris polymorphus* (Deshayes, 1860) (Glibert & Van de Poel 1965a: 89, as “1858”). — Current status: synonym of *Glycymeris wateleti* (Deshayes, 1860) (Pacaud herein).

*semiauritus*, *Pectunculus* – Deshayes, 1839-TraitElem: 22, pl. 34, figs 25-27; 1858-TraitElem: 330. — Type localities: Angers (France) & Vienne (Austria). — Type age: Miocene. — Current status: Synonym of *Limopsis (Pectunculina) recisus* (Defrance, 1826) (Dollfus & Dautzenberg 1901: 266), now *Pectunculina recisa* (Defrance, 1826).

*subangulatus*, *Pectunculus* – Deshayes, 1858-DescrCoqFoss: 72, pl. 72, figs 7-9; 1860-DescrCoqFoss: 860-861. — Type localities: Caumont, Ducy, Acy-en-Multien, Crouy, Mary-sur-Marne, Vendrest, Beauval, Le Fayel, La Ferté-sous-Jouarre, Jaignes & Betz. — Type age: Eocene (Bartonian). — Current status: *Glycymeris dispar* [Defrance, 1826] *subangulata* (Deshayes, 1858) (Le Renard & Pacaud 1995: 81).

*symmetricus*, *Pectunculus* – Deshayes, 1858-DescrCoqFoss: 71, pl. 71, figs 12-13; 1860-DescrCoqFoss: 863. — Type localities: Caumont, Acy-en-Multien & Mary-sur-Marne. — Type age: Eocene (Bartonian). — Current status: synonym of *Axinaea (Axinaea) dissimilis* (Deshayes, 1858) (Cossmann 1887: 124).

*tenuis*, *Pectunculus* – Deshayes in Watelet, 1853: 1853: 22, pl. 1, figs 16-19. — Type localities: Sermoise & Vauxbuin. — Type age: Eocene (Ypresian). *Glycymeris tenuis* (Deshayes in Watelet, 1853) (Le Renard & Pacaud 1995: 81).

*wateleti*, *Pectunculus* – Deshayes, 1858-DescrCoqFoss: 71, pl. 71, figs 10-11; 1860-DescrCoqFoss: 855-857, as *Pectunculus polymorphus wateleti*, replacement name for *Pectunculus ovatus* Watelet, 1853 (Watelet 1853: 21-22, pl. 1, figs 13-15), *non Broderip*, 1832, *ne*

Quoy & Gaimard, 1834. — Type locality: Pommiers. — Type age: Eocene (Ypresian). — Type material: MNHN.F.A27173, syntype of Watelet's species. — Current status: *Glycymeris wateleti* (Deshayes, 1858) (Le Renard & Pacaud 1995: 81).

*terebratularis, Pectunculus* – Glibert & Van de Poel (1965a: 90) attributed this species to “Lamarck in Deshayes, 1829”, but its author was Lamarck, 1805.

#### Family NOETIIDAE Stewart, 1930

*Quadrilatera* – Deshayes, 1860-DescrCoqFoss: 866, 900. — Type species (T): *Arca quadrilatera* Lamarck, 1805. *Fossularca* Cossmann, 1887, is a junior synonym with the same type species (OD). — Current status: *Fossularca* has been regarded as a subjective synonym of *Arcopsis* Koenen, 1885, but Deshayes' genus would be 25 years earlier. ICZN Code Art. 23.9 could be invoked to conserve *Arcopsis*.

*cancellata, Trigonocoelia* – Deshayes, 1858-DescrCoqFoss: 64, pl. 64, figs 31-35; 1860-DescrCoqFoss: 838-839. — Type localities: Parnes, Damery, Auvers-sur-Oise, Acy-en-Multien, Mary-sur-Marne, Caumont, Crouy, La Ferté-sous-Jouarre & Le Fayel. — Type age: Eocene (Lutetian-Bartonian). — Current status: *Trinacria cancellata* (Deshayes, 1858) (Glibert & Van de Poel 1965a: 67; Le Renard & Pacaud 1995: 81; Pacaud 2008: 80).

*capillacea, Arca* – Deshayes, 1858-DescrCoqFoss: 68, pl. 68, figs 13-15 [on pl., fig. 13 mislabeled as 14 and figs 14-15 mislabeled as 15-16]; 1860-DescrCoqFoss: 898-899. — Type locality: Auvers-sur-Oise. — Type age: Eocene (Bartonian). — Current status: *Trigonodesma capillacea* (Deshayes, 1858) (Glibert & Van de Poel 1965a: 66; Le Renard & Pacaud 1995: 82).

*crassa, Trigonocoelia* – Deshayes, 1858-DescrCoqFoss: 65, pl. 65, figs 1-4; 1860-DescrCoqFoss: 841. — Type localities: Auvers-sur-Oise, Beauchamp, Rozières, La Chapelle-en-Serval, Puisieux, Le Mesnil-Aubry, La Ferté-sous-Jouarre, Mary-sur-Marne, Beaugrenier, Le Fayel & Chéry-Chartreuve. — Type age: Eocene (Bartonian). — Type species (SD J. Gardner, 1926) of *Trinacria* Mayer, 1868. — Current status: *Trinacria crassa* (Deshayes, 1858) (Glibert & Van de Poel 1965a: 67; Le Renard & Pacaud 1995: 81; Pacaud 2008: 80; Neveškaja *et al.* 2013: 204, fig. 70-8).

*decipiens, Arca* – Deshayes, 1858-DescrCoqFoss: 68, pl. 68, figs 20-22; 1860-DescrCoqFoss: 903-904. — Type localities: Valmondois & Cresnes. — Type age: Eocene (Bartonian). — Type material: MNHN.F.J04176, syntype. — Current status: *Striarca (Arcopsis) decipiens* (Deshayes, 1858) (Glibert & Van de Poel 1965a: 50; Le Renard & Pacaud 1995: 82; Pacaud 2008: 80).

*dispar, Arca* – Deshayes, 1858-DescrCoqFoss: 67, pl. 67, figs 14-21; 1860-DescrCoqFoss: 899. — Type locality: Hérouval. — Type age: Eocene (Ypresian). *Striarca (Arcopsis) dispar* (Deshayes, 1858) (Glibert & Van de Poel 1965a: 60; Le Renard & Pacaud 1995: 82). — Current status: *Arcopsis dispar* (Deshayes, 1858) (Hickman 2021: 18, fig. 8A-D).

*jeurensis, Trigonocoelia* – Deshayes, 1858-DescrCoqFoss: 65, pl. 65, figs 11-14; 1860-DescrCoqFoss: 841-842. — Type locality: Jeurre. — Type age: Oligocene (Rupelian). — Current status: *Trinacria jeurensis* (Deshayes, 1858) (Lozouet & Maestrati 2012b: 23).

*margaritula, Arca* – Deshayes, 1858-DescrCoqFoss: 68, pl. 68, figs 16-19; 1860-DescrCoqFoss: 902; 1865-DescrCoqFoss: 667 [on pl., figs 16-17, mislabeled as 17-18, and fig. 18 mislabeled as 12]. — Type locality: Parnes. — Type age: Eocene (Lutetian). —

Current status: *Striarca (Arcopsis) margaritula* (Deshayes, 1858) (Glibert & Van de Poel 1965a: 61; Le Renard & Pacaud 1995: 82; Pacaud 2008: 80).

*media, Trigonocoelia* – Deshayes, 1858-DescrCoqFoss: 65, pl. 65, figs 5-7; 1860-DescrCoqFoss: 839-840. — Type localities: Auvers-sur-Oise, Valmondois, La Ferté-sous-Jouarre, Caumont, Acy-en-Multien, Le Fayel, Montjavoult, Verneuil, Le Guépelle, Montagny-en-Vexin, Ermenonville, Ezanville, Le Mesnil-Aubry, Écouen, Beauval, Nantheuil-le-Houdouin & Beauchamp. — Type age: Eocene (Bartonian). — Current status: *Trinacria media* (Deshayes, 1858) (Glibert & Van de Poel 1965a: 68; Le Renard & Pacaud 1995: 81; Pacaud 2008: 80).

*multidentata, Arca* – Deshayes, 1858-DescrCoqFoss: 68, pl. 68, figs 10-12 [in text as pl. 8]; 1860-DescrCoqFoss: 904; 1865-DescrCoqFoss: 665 [error noted]; 1865-DescrCoqFoss: 667. — Type localities: Parnes, Thiverval-Grignon, Chaussy, Chaumont-en-Vexin & Saint-Félix. — Type age: Eocene (Lutetian). — Current status: *Trigonodesma multidentata* (Deshayes, 1858) (Glibert & Van de Poel 1965a: 67; Le Renard & Pacaud 1995: 82; Pacaud 2008: 80).

*textilis, Arca* – Deshayes, 1858-DescrCoqFoss: 68, pl. 68, figs 27-29; 1860-DescrCoqFoss: 900-901, *non* Nyst, 1848. — Type locality: Laon. — Type age: Eocene (Ypresian). *Striarca (Arcopsis) textilis* (Deshayes, 1858) (Glibert & Van de Poel 1965a: 61). — Current status: *Striarca (Arcopsis) perryi* Le Renard, 1994 (Le Renard 1994: 39), replacement name.

*quadrilatera, Arca* – Glibert & Van de Poel (1965a: 61) listed this species as it were by Deshayes *in* Watelet, 1829, but it was made available by Lamarck (1805), the type species of the Deshayes genus *Quadrilatera* (see above).

#### Family PARALLELODONTIDAE Dall, 1898

*adolphaei, Cucullaea* – Deshayes, 1858-TraitElem: 370. Replacement name for *Cucullaea rotundata* F. A. Roemer, 1841 (Roemer 1841: 70, pl. 9, fig. 2), *non* F. A. Roemer, 1836 (Roemer 1836: 104, pl. 6, fig. 26). — Type locality: Dülmen, Germany. — Type age: Upper Kreidemergel [Cretaceous]. — Current status: *taxon inquirendum*.

*adversidentata, Arca* – Deshayes, 1858-DescrCoqFoss: 68, pl. 68, figs 7-9; 1860-DescrCoqFoss: 907. — Type locality: Chaussy. — Type age: Eocene (Lutetian). — Type species (OD) of *Pseudogrammatodon* Arkell, 1930, which is now regarded as a synonym of *Porterius* B. L. Clark, 1925. *Cucullaria adversidentata* (Deshayes, 1858) (Glibert & Van de Poel, 1965a: 48). — Current status: *Porterius adversidentatus* (Deshayes, 1858) (Le Renard & Pacaud 1995: 82; Pacaud 2008: 80; Neveškaja *et al.* 2013: 200, fig. 68-4; Hickman 2021: 11, fig. 3A-E).

*caillati, Arca* – Deshayes, 1858-DescrCoqFoss: 68, pl. 68, figs 4-6, as *Arca caillati*; 69, pl. 69, figs 17-21, as *Arca paucidentata*; 1860-DescrCoqFoss: 902-903, with *A. paucidentata* in synonymy. — Type localities: Thiverval-Grignon, Parnes, Chaussy, Liancourt-Saint-Pierre & Saint-Félix. — Type age: Eocene (Lutetian). — Current status: *Cucullaria caillati* (Deshayes, 1858) (Glibert & Van de Poel 1965a: 48; Le Renard & Pacaud 1995: 82; Pacaud 2008: 80).

*cucullaris, Arca* – Deshayes, 1829-DescrCoqFoss: 206-207, 17, pl. 33, figs 1-3; 1835-HistNatAnim2: 481; 1839-HistNatAnim3: 652; 1860-DescrCoqFoss: 907. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Current status: *Cucullaria cucullaris* (Deshayes, 1858) (Glibert & Van de Poel 1965a: 49; Le Renard & Pacaud 1995: 82; Pacaud 2008: 80; Hickman 2021: 12, fig. 3F-H).



*demissa, Cucullaea* – Deshayes, 1858-TraitElem: 369. Replacement name for *Cucullaea nana* Lycett, 1850 (Lycett 1850: 425), non “d’Orbigny, 1843”, actually non *Leymerie*, 1842. In *Leymerie*, 1841, this was a *nomen nudum*. — Type locality: Gloucestershire. — Type age: Inferior Oolite [Middle Jurassic]. — Current status: *taxon inquirendum*.

*griffithi, Arca* – Deshayes, 1858-TraitElem: 349. Replacement name for *Arca decussata* (M’Coy, in Griffith 1844: 53, pl. 10, fig. 2) [*Psammobia*], non Linnaeus, 1758, when Deshayes placed both in *Arca*. This species name did not need to be replaced, the replacement was not used by later authors, and ICZN Code Art. 59.3 can be applied. — Type locality: Ireland. — Type age: Carboniferous. — Current status: *Parallelodon decussatus* (M’Coy, in Griffith, 1844) (M. Amler, pers. comm., March 13, 2023).

*heterodonta, Arca* – Deshayes, 1858-DescrCoqFoss: 67, pl. 67, figs 22-25 [in text as figs “25-22”]; 1860-DescrCoqFoss: 906-907. — Type locality: Auvers-sur-Oise. — Type age: Eocene (Bartonian). — Type species (M) of *Cucullaria* Conrad, 1869. *Cucullaria* was misattributed to “Deshayes, 1860”, in Cossmann & Peyrot (1913b: 168); its correct author is Conrad, 1869. — Current status: *Cucullaria heterodonta* (Deshayes, 1858) (Glibert & Van de Poel 1965a: 49; Le Renard & Pacaud 1995: 82; Pacaud 2008: 80; Neveeskaja et al. 2013: 204, fig. 68-10; Berezovsky 2015a: 1038, pl. 14, fig. 3; Hickman 2021: 12-13).

*hibernica, Arca* – Deshayes, 1858-TraitElem: 350. Replacement name for *Bysoarca semicostata* M’Coy, in Griffith, 1844 (Griffith 1844: 73, pl. 11, fig. 35), non *Arca semicostata* Hagenow, 1842, when Deshayes placed both in *Arca*. This species name did not need to be replaced, the replacement was not used by later authors, and ICZN Code Art. 59.3 can be applied. — Type locality: Ireland. — Type age: Carboniferous. — Current status: *Parallelodon semicostatus* (M’Coy, in Griffith, 1844) (M. Amler, pers. comm., March 13, 2023).

*incerta, Cucullaea* – Deshayes, 1829-DescrCoqFoss: 194-195, 16, pl. 31, figs 6-7 [species name missing in pl. expl.]; 1837-DescrCoqFoss: 811 [correction in figure expl. made]; 1860-DescrCoqFoss: 909. — Type localities: Abbécourt, Noailles & Bracheux. — Type age: Paleocene (Thanetian). — Current status: Synonym of *Cucullaea crassatina* Lamarck, 1801 (Cossmann 1887: 143).

*lycetti, Cucullaea* – Deshayes, 1858-TraitElem: 368. Replacement name for *Cucullaea bipartita* Lycett, 1850 (Lycett 1850: 425), non (F. A. Roemer, 1836) [*Arca*]. — Type locality: Gloucestershire. — Type age: Inferior Oolite, Middle Jurassic. — Current status: *taxon inquirendum*.

*paucidentata, Arca*; see under: *caillati, Arca*, above.

#### Family LIMOPSIDAE Dall, 1895

*lentiformis, Limopsis* – Deshayes, 1858-DescrCoqFoss: 72, pl. 72, figs 10-12; 1860-DescrCoqFoss: 843-844. — Type localities: Cuise-la-Motte, Retheuil, Aizy-Jouy, Mercin-et-Vaux, Cuisy-en-Almont, Laon, Mons-en-Laonais & Cœuvres-et-Valsery. — Type age: Eocene (Ypresian). *Limopsis lentiformis* Deshayes, 1858 (Glibert & Van de Poel 1965a: 70-71). — Current status: synonym of *Limopsis subgranulatus* d’Orbigny, 1850 (Pacaud 2007: 54).

#### Family PHILOBRYIDAE F. Bernard, 1897

*alter, Limopsis* – Deshayes, 1858-DescrCoqFoss: 72, pl. 72, figs 13-15; 1860-DescrCoqFoss: 844. — Type locality: Hérouval. — Type age: Eocene (Ypresian). *Limopsis (Limarca) altera* (Deshayes, 1858)

(Glibert & Van de Poel 1965a: 73). — Current status: *Limarca altera* Deshayes, 1858 (Le Renard & Pacaud 1995: 81).

*nanus, Pectunculus* – Deshayes, 1829-DescrCoqFoss: 226, 18, pl. 36, figs 4-6; 1832-EncyMeth: 744-745; 1835-HistNatAnim2: 501; 1839-HistNatAnim3: 658. — Type localities: Thiverval-Grignon, Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Limarca nana* (Deshayes, 1829) (Le Renard & Pacaud 1995: 81; Pacaud 2008: 81).

#### Family LUNULACARDIIDAE P. Fischer, 1887

*lunatum, Cardium* – Deshayes, 1857-TraitElem: 49. Replacement name for *Cardium semistriatum* (Münster, 1840) [*Lunulacardium*] (p. 69, pl. 13, fig. 10), non *C. semistriatum* Bean, in Young & Bird, 1828, nec Deshayes, 1829. — Type locality: Oberscheld, Germany. — Type age: Devonian (Frasnian). Hylleberg (2004: 605, as “1853”, 759). This species name did not need to be replaced, the replacement was not used by later authors, and ICZN Code Art. 59.3 can be applied. Incorrectly placed by d’Orbigny (1850a: 80, no. 602) in *Conocardium*, it is instead a bivalve (Rogalla & Amler 2006: 49), and is the type species (SD Stoliczka, 1870) of *Lunulacardium* Münster, 1840 (Nagel-Myers & Amler 2007: 52-54, pl. 1, figs 1-10, text-fig. 4) – Current status: *Lunulacardium semistriatum* Münster, 1840, with Deshayes’ replacement being a synonym.

#### Family PTERIIDAE J. E. Gray, 1847 [1820]

*Anomia* – Deshayes, 1830a-EncyMeth: 51, ex Oken ms, non Linnaeus, 1758. Incorrect subsequent spelling of *Anonica* Oken, 1815, a name published in an unavailable work (ICZN Opinion 417, 1956a).

*aizyensis, Avicula* – Deshayes, 1858-DescrCoqFoss: 81, pl. 77, figs 12-14; 1861-DescrCoqFoss: 43. — Type localities: Aizy-Jouy & Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). Species not present in Aizy-Jouy (Pacaud herein). — Current status: *Aviculoperna aizyensis* (Deshayes, 1858) (Glibert & Van de Poel 1965b: 6; Le Renard & Pacaud 1995: 83; Leroy et al. 2014: 27, pl. 8, figs 7-8).

*brevicauda, Avicula* – Deshayes, 1830a-EncyMeth: 101-102; 1836-HistNatAnim2: 102-103; 1843-HistNatAnim3: 41. — Type locality: Red Sea. — Type age: Recent. — Current status: synonym of *Pteria aegyptiaca* (Dillwyn, 1817) [*Avicula*] (Huber 2015: chapter 5 on CD).

*calvimontana, Avicula* – Deshayes, 1858-DescrCoqFoss: 81, pl. 77, figs 1-3; 1861-DescrCoqFoss: 46. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Current status: *Aviculoperna calvimontana* (Deshayes, 1858) (Glibert & Van de Poel 1965b: 6; Le Renard & Pacaud 1995: 83; Pacaud 2008: 82).

*dixonii, Avicula* – Deshayes, 1861-DescrCoqFoss: 44-45, citing “pl. 67, figs 9-11” [error for pl. 77], *Perna ornata* on the plate. — Type locality: Aizy-Jouy. — Type age: Eocene (Ypresian) (Teppner, 1914: 4). — Current status: synonym of *Aviculoperna levesquei* (d’Orbigny, 1850) [*Avicula*] (Chelot 1885: 199; Pacaud 2007: 55).

*faujasi, Avicula* – Deshayes, 1836-HistNatAnim2: 104; 1843-HistNatAnim3: 42. — Type locality: Maastricht, Netherlands; Ciplu, Belgium. — Type age: Cretaceous (Maastrichtian). — Current status: *taxon inquirendum*.

*ornata, Perna* – Deshayes, 1858-DescrCoqFoss: 81, pl. 77, figs 9-11 [not in text]. — Type locality: presumably Paris Bassin. — Type age: Paleogene. — Current status: synonym of *Aviculoperna levesquei* (d’Orbigny, 1850) [*Avicula*] (Chelot 1885: 199).

*radiata*, *Avicula* – Deshayes, 1830a-EncyMeth: 102, *non* Leach, 1814. — Type locality: none given. — Type age: Recent? Both pre-occupy *Avicula radiata* Phillips, 1836, which was renamed *Avicula nystiana* de Koninck, 1842. — Current status: *taxon inquirendum*.

*savignyi*, *Avicula* – Deshayes, 1830a-EncyMeth: 100-101; 1836-HistNatAnim2: 102; 1843-HistNatAnim3: 41. — Type locality: none given. — Type age: Recent. — Current status: synonym of the Red Sea *Pteria aegyptiaca* (Dillwyn, 1817) [*Avicula*] (Huber 2010a: 168; 2015: chapter 5 on CD).

*squamosa*, *Avicula* – Deshayes, 1830a-EncyMeth: 102. — Type locality: none given. — Type age: not stated. — Current status: *taxon inquirendum*.

*stampinensis*, *Avicula* – Deshayes, 1858-DescrCoqFoss: 82, pl. 78, figs 1-4; 1861-DescrCoqFoss: 47-48. — Type localities: Etréchy, Jeurre, Morigny-Champigny, Ormoy-la-Rivière. — Type age: Oligocene (Rupelian). Weinheim, Kaufange (Germany). — Current status: *Pteria stampinensis* (Deshayes, 1858) (Glibert & Van de Poel 1965b: 8; Lozouet & Maestrati 2012a: 246, 249, fig. 157: 12-13).

*vespertilio*, *Avicula* – Deshayes, 1830a-EncyMeth: 99; 1836-HistNatAnim2: 102; 1843-HistNatAnim3: 41; 1863: 29. — Type locality: none given. — Type age: Recent. — Current status: *nomen dubium* (Fischer-Piette 1983: 125-126).

*wateleti*, *Perna* – Deshayes, 1858-DescrCoqFoss: 81, pl. 77, figs 6-8; 1861-DescrCoqFoss: 45, as *Avicula*. — Type localities: Aizy-Jouy & Cœuvres-et-Valsery. — Type age: Eocene (Ypresian). — Type material: MNHN.F.A27172, syntype. — Current status: *Aviculoperna wateleti* (Deshayes, 1858) (Glibert & Van de Poel 1965b: 7; Le Renard & Pacaud 1995: 83).

#### Family PTERINEIDAE Meek, 1864



*subradiata*, *Avicula* – Leymerie, 1841: 319, *nomen nudum*; 1842: 9, 26, pl. 6, fig. 5, *ex* Deshayes ms, *non Avicula (Monitis) subradiata* J. de C. Sowerby, 1840. — Type localities: Ervy-le-Châtel & Racines. — Type age: Cretaceous (Albian). — Current status: *Actinopteria alba* Pacaud, n. name (replacement name herein), for Leymerie's species: from *Alba*, Latin for the name of the Aube River in 877 and the department where the type material was collected; name given in apposition.

#### Family BAKEVELLIIDAE W. King, 1850

*Gervilia* – Deshayes, 1825-DictClass7: 338-339. Subsequent incorrect spelling of *Gervillia* Defrance, 1820.

*eocaenica*, *Gervillia* – Deshayes, 1858-DescrCoqFoss: 81, pl. 77, figs 15-17; 1861-DescrCoqFoss: 55. — Type locality: Hérouval. — Type age: Eocene (Ypresian). — Current status: *Gervillia eocaenica* Deshayes, 1858 (Le Renard & Pacaud 1995: 83).



*anceps*, *Gervillia* – Leymerie, 1841: 342, *nomen nudum*; 1842: 9, 26, pl. 10, fig. 3a-c, *ex* Deshayes ms. — Type localities: Soulaines-Dhuys, Thieffrain & Vendevre-sur-Barse. — Type age: Cretaceous (Hauterivian). — Current status: synonym of *Gervillella aviculoides* (J. Sowerby, 1814) [*Perna*] (Lazo 2003: 773-776, fig. 8).

#### Family ISOGNOMONIDAE Woodring, 1925 [1828]

*aviculina*, *Perna* – Deshayes, 1858-DescrCoqFoss: 81, pl. 77, figs 21-23; 1861-DescrCoqFoss: 56. — Type locality: Hérouval. — Type age: Eocene (Ypresian). — Type species (OD) of *Aviculoperna* Cossmann, 1887. — Current status: *Aviculoperna aviculina* (Deshayes, 1858) (Glibert & Van de Poel 1965b: 6; Le Renard & Pacaud 1995: 83; Nevešskaja *et al.* 2013: 173, fig. 51-6).

*bazini*, *Perna* – Deshayes, 1858-DescrCoqFoss: 76, pl. 76, figs 1-2; 1861-DescrCoqFoss: 57. — Type localities: La Hérelle near Saint-Just (Oise) & Saint-Martin-aux-Bois. — Type age: Paleocene (Thanetian). — Type material: MNHN.F.J03352, syntype. — Current status: *Isognomon bazini* (Deshayes, 1830 (Le Renard & Pacaud 1995: 83)).

*lamarckii*, *Perna* – Deshayes, 1830-DescrCoqFoss: 284, 20, pl. 40, figs 7-8; 1832-EncyMeth: 738; 1836-HistNatAnim2: 80-81; 1843-HistNatAnim3: 33; 1850-TraitElem: 27, pl. 45, fig. 4; 1861-DescrCoqFoss: 57. — Type localities: Valmondois & Senlis. — Type age: Eocene (Bartonian). — Current status: *Isognomon lamarckii* (Deshayes, 1830 (Glibert & Van de Poel 1965b: 3; Le Renard & Pacaud 1995: 83)).

*maillardii*, *Perna* – Deshayes, 1863: 29-30, pl. 4, figs 13-14. — Type locality: La Réunion; Mr. Maillard. — Type age: Recent. — Type material: MNHN-IM-2000-22804, 2 syntypes. — Current status: synonym of *Isognomon legumen* (Gmelin, 1791) [*Ostrea*] (Huber 2010a: 176, 606).

*sandbergeri*, *Perna* – Deshayes, 1861-DescrCoqFoss: 56. — Type localities: Waldöckelheim, Weinheim; Mayence Basin. — Type age: Oligocene (Rupelian). *Isognomon (Hippochoaeta) sandbergeri* (Deshayes, 1861) (Glibert & Van de Poel, 1965b: 4, as “Deshayes, in Sandberger, 1863”). — Current status: *Isognomon (Hippochoaeta) maxillatus* [Lamarck, 1801] *sandbergeri* (Deshayes, 1861) (R. Janssen 1979: 46; Lozouet & Maestrati 2012a: 246, 249, fig. 157: 10-11).

*soldanii*, *Perna* – Deshayes, 1836-HistNatAnim2: 79-80; 1843-HistNatAnim3: 33. — Type locality: Italy. — Type age: Pliocene. — Type species (M) of *Hippochoaeta* Philippi, 1844. “*Perna*” [= *Isognomon*] *maxillata* [Lamarck, 1801] *soldanii* Deshayes, 1836 (Teppner, 1922: 20)]. — Current status: *Isognomon (Hippochoaeta) soldanii* (Deshayes, 1836) (Glibert & Van de Poel 1965b: 4; Nevešskaja *et al.* 2013: 167, fig. 48-7; Coan & Kabat 2017: 57).



*mulleti*, *Perna* – Leymerie, 1841: 340, 342, *nomen nudum*; 1842: 8-9, 26, pl. 11, figs 1-3, *ex* Deshayes ms. — Type localities: Soulaines-Dhuys, Vendevre-sur-Barse. — Type age: Cretaceous (Hauterivian). — Type species (M) of *Mulletia* P. Fischer, 1886 (Nevešskaja *et al.* 2013: 169, fig. 49-4). — Current status: *Mulletia mulleti* (Leymerie, 1842).

#### Family MALLEIDAE Lamarck, 1818

*macrotis*, *Avicula* – Deshayes, 1858-DescrCoqFoss: 81, pl. 77, figs 24-26; 1861-DescrCoqFoss: 48. — Type locality: Uilly-Saint-Georges. — Type age: Eocene (Lutetian). — Type species (OD) of *Aviculovulsa* Cossmann, 1887. — Current status: *Aviculovulsa macrotis* (Deshayes, 1858) (Glibert & Van de Poel 1965b: 6; Le Renard & Pacaud 1995: 83; Pacaud 2008: 82; Nevešskaja *et al.* 2013: 199, fig. 67-8).



Family VULSELLIDAE J. E. Gray, 1854

*angusta*, *Vulsella* – Deshayes, 1858-DescrCoqFoss: 76, pl. 76, figs 13-15; 1861-DescrCoqFoss: 52. — Type localities: Parnes, Mouchy-le-Châtel, Chaussy, Chaumont-en-Vexin & Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Vulsella angusta* Deshayes, 1858 (Glibert & Van de Poel 1965b: 4; Le Renard & Pacaud 1995: 83; Pacaud 2008: 82).

*anomala*, *Vulsella* – Deshayes, 1858-DescrCoqFoss: 76, pl. 76, figs 19-20; 1861-DescrCoqFoss: 52. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Current status: *Vulsella anomala* (Deshayes, 1858) (Le Renard & Pacaud 1995: 83; Pacaud 2008: 82).

*defrancei*, *Avicula* – Deshayes, 1858-DescrCoqFoss: 76, pl. 76, figs 23-24; 1861-DescrCoqFoss: 46-47. — Type localities: La Chapelle-en-Serval, Mortefontaine, Les Craquelots, Saint-Sulpice, Ducy, Montjavoult & Crépy-en-Vallois Eocene (Bartonian). Hautteville-Bocage. — Type age: Eocene (Lutetian). In the latter locality, the species present is more likely *Electroma fragilis* DeFrance, 1816 (Pacaud herein). *Pteria* (*Electroma*) *defrancei* (Deshayes, 1858) (Glibert & Van de Poel 1965b: 7; Le Renard & Pacaud 1995: 83). — Current status: given the recent restructuring of the Pterioidea by Tëmkin (2010), now *Electroma defrancei* (Deshayes, 1858).

*herouvallensis*, *Avicula* – Deshayes, 1858-DescrCoqFoss: 81, pl. 77, figs 18-20; 1861-DescrCoqFoss: 42-43, as *A. horouvalensis*, subsequent incorrect spelling. — Type localities: Hérouval & Laon. — Type age: Eocene (Ypresian). *Pteria* (*Electroma*) *herouvallensis* (Deshayes, 1858) (Glibert & Van de Poel 1965b: 7; Le Renard & Pacaud 1995: 83, both as *P. (E.) "herouvalensis"*). — Current status: given the recent restructuring of the Pterioidea by Tëmkin (2010), now *Electroma herouvallensis* (Deshayes, 1858).

*hornesi*, *Avicula* – Deshayes, 1858-DescrCoqFoss: 81, pl. 77, figs 4-5; 1861-DescrCoqFoss: 41-42. — Type localities: Parnes & Fleury-la-Rivière. — Type age: Eocene (Lutetian). *Pteria* (*Electroma*) *hornesi* (Deshayes, 1858) (Glibert & Van de Poel 1965b: 7; Le Renard & Pacaud 1995: 83; Pacaud 2008: 82). — Current status: given the recent restructuring of the Pterioidea by Tëmkin (2010), now *Electroma hornesi* (Deshayes, 1858).

*lingulata*, *Avicula* – Deshayes, 1830a-EncyMeth: 104; 1836-HistNatAnim2: 103; 1843-HistNatAnim3: 42. — Type locality: none given. — Type locality: Indian Ocean? Presumably not to be confused with *Vulsella lingulata* Lamarck, 1819, a synonym of *Vulsella vulsella* (Linnaeus, 1758) [*Mya*]. — Current status: *nomen dubium*.

*livida*, *Avicula* – Deshayes, 1830a-EncyMeth: 103-104; 1836-HistNatAnim2: 103; 1843-HistNatAnim3: 42. — Type locality: none given. — Type age: Recent. — Current status: synonym of the Indo-Pacific *Electroma alacorvi* (Dillwyn, 1817) [*Mytilus*] (Huber 2010a: 172; 2015: chapter 5 on CD).

*microptera*, *Avicula* – Deshayes, 1830-DescrCoqFoss: 290, 22, pl. 43, figs 18-20; 1836-HistNatAnim2: 104; 1843-HistNatAnim3: 42; 1861-DescrCoqFoss: 43-44. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). *Pteria* (*Electroma*) *microptera* (Deshayes, 1858) (Glibert & Van de Poel, 1965b: 8; Le Renard & Pacaud 1995: 83; Pacaud 2008: 82). — Current status: given the recent restructuring of the Pterioidea by Tëmkin (2010), now *Electroma microptera* (Deshayes, 1830).

*minima*, *Vulsella* – Deshayes, 1858-DescrCoqFoss: 76, pl. 76, figs 16-18; 1861-DescrCoqFoss: 53. — Type localities: Auvers-sur-Oise & Valmondois. — Type age: Eocene (Bartonian). — Current status: *Vulsella minima* Deshayes, 1858 (Glibert & Van de Poel 1965b: 4; Le Renard & Pacaud 1995: 83).

*transversa*, *Avicula* – Deshayes, 1858-DescrCoqFoss: 76, pl. 76, figs 21-22; 1861-DescrCoqFoss: 42. — Type locality: Coincourt. — Type age: Eocene (Lutetian). *Pteria* (*Electroma*) *transversa* (Deshayes, 1858) (Le Renard & Pacaud 1995: 83; Pacaud 2008: 82). — Current status: given the recent restructuring of the Pterioidea by Tëmkin (2010), now *Electroma transversa* (Deshayes, 1858).

Family PINNIDAE Leach, 1819

*Pinnigena* – Deshayes, 1839-TraitElem: 24. Incorrect subsequent spelling of *Pinnogena* Bronn, 1836.

*Trichite* – Deshayes, 1832-EncyMeth: 1044. Vernacular, later made available as *Trichites* Voltz, 1833.

*chinensis*, *Pinna* – Deshayes, 1844-RegAnim: pl. 85, fig. 3. — Type locality: none given, but presumably China. — Type age: Recent. Sherborn (1930: 5982, as “?1841”, but he had the pl. in error as “86”). Poppe (2010: 560, pl. 971, fig. 1), as “*A. pectinata* (Linnaeus, 1767),” later corrected to *A. chinensis* (Deshayes, 1841) (Poppe 2018: 167). — Current status: *Atrina chinensis* (Deshayes, 1844) (Huber 2010a: 165, 596-597; Schultz & Huber 2013: 109).

*obliquata*, *Pinna* – Deshayes, 1839-TraitElem: 24, pl. 38, fig. 3. — Type locality: none given. — Type age: Jurassic (Oxfordian). — Current status: *Stegoconcha obliquata* (Deshayes, 1839) (Koppka 2018: 39-44, pl. 4, figs A-F, text-figs 7B, 8A-D).



*sulcifera*, *Pinna* – Leymerie, 1841: 342, *nomen nudum*; 1842: 8, 26, pl. 9, fig. 9, ex Deshayes ms. — Type localities: Soulaines-Dhuys & Vendevre-sur-Barse. — Type age: Cretaceous (Hauterivian).

Family OSTREIDAE Rafinesque, 1815

*angusta*, *Ostrea* – Deshayes, 1832-DescrCoqFoss: 362, 26, pl. 58, figs 1-3; 1832-EncyMeth: 293; 1836-HistNatAnim2: 253-254; 1843-HistNatAnim3: 94; 1861-DescrCoqFoss: 12. — Type locality: Soissons. — Type age: Eocene (Ypresian). — Type species (OD) of *Angustostrea* Vialov, 1936, most often now treated as a synonym of *Crassostrea* Sacco, 1897. *Ostrea angusta* Deshayes, 1832, was treated by d’Orbigny as a junior secondary homonym of *Gryphaea angusta* Lamarck, 1819, and renamed *Ostrea subangusta* d’Orbigny, 1850b (d’Orbigny 1850b: 327, no. 545). *Crassostrea angusta* (Deshayes, 1832) (Glibert & Van de Poel 1965b: 59). — Current status: *Crassostrea* (*Angustostrea*) *subangusta* (d’Orbigny, 1850) (Pacaud 2007: 56).

*boblayei*, *Ostrea* – Deshayes, 1833b: 231, “pl. 3, figs 6-7”, *nomen nudum*; 1835b: 122, pl. 23, figs 6-7. — Type locality: Peloponnese Peninsula, Greece. — Type age: Subapennine Formation, Pliocene. — Current status: synonym of *Ostrea lamellosa* Brocchi, 1814 (Lecointre & Ranson 1962), or as *Ostrea lamellosa boblayei* Deshayes, 1835 (Ionesi & Lungu 1978: 43).

*crepidula*, *Ostrea* – Deshayes, 1832-DescrCoqFoss: 339-340, 26, pl. 57, figs 1-2, pl. 58, figs 6-7; 1836-HistNatAnim2: 249; 1843-HistNatAnim3: 93; 1861-DescrCoqFoss: 104, in synonymy with *Ostrea cucullaris* Lamarck, 1819. — Type localities: Tancrou, Mary-sur-Marne, Valmondois & Acy-en-Multien. — Type age: Eocene (Bartonian). — Current status: synonym of *Crassostrea cucullaris* (Lamarck, 1819).

*cubitus*, *Ostrea* – Deshayes, 1832-DescrCoqFoss: 365-366, 24, pl. 47, figs 12-15; 1836-HistNatAnim2: 254-255; 1843-HistNatAnim3: 95; 1861-DescrCoqFoss: 122. — Type localities: Senlis & Val-

mondois. — Type age: Eocene (Bartonian). — Type species (OD) of *Cubitostrea* Sacco, 1897. — Current status: *Cubitostrea cubitus* (Deshayes, 1832) (Glibert & Van de Poel 1965b: 63; Le Renard & Pacaud 1995: 85; Nevesskaja *et al.* 2013: 187, fig. 61-2).

*dispar*, *Ostrea* – Deshayes, 1825-DictClass8: 389. — Type locality: none given. — Type age: Recent. Deshayes referred to Bruguière (1792: pl. 182, figs 6-7), which shows heavy ribs in the left valve and only commarginal lamellae in the right. It seems to have disappeared from subsequent literature. — Current status: *nomen dubium*.

*elegans*, *Ostrea* – Deshayes, 1832-DescrCoqFoss: 361-362, 24, pl. 50, figs 7-9, non Gmelin, 1791; 1832-EncyMeth: 297-298; 1836-Hist-NatAnim2: 253; 1843-HistNatAnim3: 94; 1861-DescrCoqFoss: 116. — Type localities: Chaumont-en-Vexin & Valmondois. — Type age: Eocene (Lutetian). — Type material: UCBL-EM35426, syntype. This species is not present in the Eocene Bartonian of Valmondois. *Crassostrea* (*Cubitostrea*) *elegans* (Deshayes, 1832) (Glibert & Van de Poel 1965b: 64). *Cubitostrea elegans* (Deshayes, 1832) (Le Renard & Pacaud 1995: 85; Pacaud 2008: 82). — Current status: *Crassostrea sophiae* Pacaud, 2022b (Pacaud 2022b: 2-4, figs 1-5), replacement name.

*elongata*, *Ostrea* – Deshayes, 1832-DescrCoqFoss: 348-349, 24, pl. 49, figs 3-4, non Born, 1778, nec Solander, 1786, nec Röding, 1798, nec Bory de Saint-Vincent, 1824; 1836-HistNatAnim2: 251; 1843-HistNatAnim3: 93; 1861-DescrCoqFoss: 104, in synonymy with *Ostrea cucullaris* Lamarck, 1819. — Type localities: Valmondois, Tancrou, Mary-sur-Marne & Acy-en-Multien. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 35192, syntypes. — Current status: synonym of *Crassostrea cucullaris* (Lamarck, 1819).

*excavata*, *Ostrea* – Deshayes, 1835b: 124, pl. 21, figs 5-6, non Fabricius, 1779, nec Lamarck, 1819. — Type locality: Peloponnese Peninsula, Greece. — Type age: Subapennine Formation, Pliocene. — Current status: *taxon inquirendum*.

*extensa*, *Ostrea* – Deshayes, 1832-DescrCoqFoss: 358, 25, pl. 56, figs 1-2; 1832-EncyMeth: 293; 1836-HistNatAnim2: 252; 1843-Hist-NatAnim3: 94; 1861-DescrCoqFoss: 117. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 35182, syntypes. — Current status: *Crassostrea* (*Crassostrea*) *extensa* (Deshayes, 1832) (Le Renard & Pacaud 1995: 85).

*gryphoides*, *Ostrea* – Deshayes, 1825-DictClass8: 389, non Schlotheim, 1820 [a fossil oyster from Germany, now placed in *Magallana*]; 1832-EncyMeth: 305. — Type locality: Le Mans (France). — Type age: Miocene (Langhian). — Current status: *Crassostrea vindinonensis* Pacaud, n. name (replacement name herein): from the type locality. The name of the town Le Mans is documented as early as the 2nd century BC as *Vindinon*.

*heteroclita*, *Ostrea* – Deshayes, 1832-DescrCoqFoss: 349; pl. 63, figs 2-4, ex Defrance ms. — Type locality: Noyon. — Type age: Paleocene (Thanetian). — Current status: *Liostrea* (*Simustrea*) *heteroclita* (Deshayes, 1832) (Glibert & Van de Poel 1965b: 66; Le Renard & Pacaud 1995: 85; both as “Defrance in Deshayes”).

*hybrida*, *Ostrea* – Deshayes, 1832-DescrCoqFoss: 247-348, 26, pl. 59, figs 3-4, non Gmelin, 1791; 1861-DescrCoqFoss: 105-106, in synonymy with *Ostrea cucullaris* Lamarck, 1819. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Current status: synonym of *Crassostrea cucullaris* (Lamarck, 1819).

*incerta*, *Ostrea* – Deshayes, 1832-EncyMeth: 294; 1861-DescrCoq-Foss: 104, as synonym of *Ostrea cucullaris* Lamarck, 1819. — Type locality: none given. — Type age: not stated., which has been reported from the Paleocene to the Eocene. — Current status: synonym of *Crassostrea cucullaris* (Lamarck, 1819).

*italica*, *Ostrea* – Deshayes, 1832-EncyMeth: 305-306, non Defrance, 1821. — Type locality: Italy. — Type age: Pliocene. Oddly, although from the same age and locality, Deshayes made no reference to the species of Defrance. — Current status: *taxon inquirendum*.

*lamellaris*, *Ostrea* – Deshayes, 1832-DescrCoqFoss: 372, 25, pl. 54, figs 3-4; 1861-DescrCoqFoss: 106. — Type locality: Valmondois. — Type age: Eocene (Bartonian) & Versailles (species not present at the latter locality – Pacaud herein). — Current status: *Crassostrea* (*Crassostrea*) *cucullaris* [Lamarck, 1819] *lamellaris* (Deshayes, 1832) (Le Renard & Pacaud 1995: 85).

*latissima*, *Ostrea* – Deshayes, 1832-DescrCoqFoss: 336, 24, pl. 52, fig. 1, 25, pl. 53, figs 1-4; 1832-EncyMeth: 289-290; 1836-Hist-NatAnim2: 248; 1843-HistNatAnim3: 92; 1838a: 19-20, [ii], pl. 6, figs 1-3; 1861-DescrCoqFoss: 108, in synonymy with *Ostrea gigantica* Solander, in Brander, 1766, which is the type species (OD) of *Gigantostrea* Sacco, 1897. — Type localities: Chaumont-en-Vexin & Valmondois. — Type age: Eocene (Lutetian-Bartonian). — Current status: *Gigantostrea gigantica* (Solander, in Brander, 1766).

*lingulata*, *Ostrea* – Deshayes, 1832-DescrCoqFoss: 347, 26, pl. 59, figs 13-14; 1832-EncyMeth: 294; 1836-HistNatAnim2: 250-251; 1843-HistNatAnim3: 93; 1861-DescrCoqFoss: 104, in synonymy with *Ostrea cucullaris* Lamarck, 1819. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 35191, syntypes. — Current status: synonym of *Crassostrea cucullaris* (Lamarck, 1819).

*ludensis*, *Ostrea* – Deshayes, 1858-DescrCoqFoss: 86, pl. 85, figs 1-4; 1861-DescrCoqFoss: 107. — Type locality: Ludes. — Type age: Eocene (Priabonian). *Crassostrea ludensis* (Deshayes, 1858) (Glibert & Van de Poel 1965b: 61). — Current status: synonym of *Crassostrea* (*Crassostrea*) *vectensis* (Morris, 1856) (Curry 1960: 273; Le Renard & Pacaud 1995: 85).

*moreleti*, *Ostrea* – Deshayes, 1853b: 509. — Type locality: Near Mérida, Yucatan, Mexico. — Type age: not stated. — Current status: *nomen dubium*.

*multicostata*, *Ostrea* – Deshayes, 1832-DescrCoqFoss: 363-364, 26, pl. 57, figs 3-6; 1836-HistNatAnim2: 254; 1843-HistNatAnim3: 95; 1861-DescrCoqFoss: 118-119. — Type localities: Cuise-la-Motte & Soissons. — Type age: Eocene (Ypresian). Preoccupies *Ostrea multicostata* G. B. Sowerby II, 1871, a synonym of the Japanese *Ostrea denselamellosa* Lischke, 1869. *Crassostrea* (*Cubitostrea*) *multicostata* (Deshayes, 1832) (Glibert & Van de Poel 1965b: 63). *Ostrea* (*Turkostrea*) *multicostata* (Deshayes, 1832) (Le Renard & Pacaud 1995: 85). — Current status: *Cubitostrea multicostata* (Deshayes, 1832) (Jeffery & Tracey 1997: 80, 86, pl. 3, figs 6-7, as “1824”).

*multistriata*, *Ostrea* – Deshayes, 1832-DescrCoqFoss: 356, 26, pl. 59, figs 5-8, non Poli, 1795; 1832-EncyMeth: 294; 1836-HistNatAnim2: 251-252; 1843-HistNatAnim3: 94; 1861-DescrCoqFoss: 98, 106, in synonymy with *Ostrea lamellaris* Deshayes, 1832. — Type locality: Valmondois. — Type age: Eocene (Bartonian). Both preoccupy *Ostrea multistriata* Hanley, 1846, which was renamed *Ostrea procellosa* E. Lamy, 1929. — Current status: *Crassostrea* (*Crassostrea*) *cucullaris* [Lamarck, 1819] *lamellaris* (Deshayes, 1832).

*mutabilis*, *Ostrea* – Deshayes, 1832-DescrCoqFoss: 344-345, 25, pl. 56, figs 9-10; 1836-HistNatAnim2: 250; 1843-HistNatAnim3: 93; 1861-DescrCoqFoss: 112. — Type locality: Houdan. — Type age: Eocene (Lutetian). — Current status: *Crassostrea* (*Crassostrea*) *mutabilis* (Deshayes, 1832) (Glibert & Van de Poel 1965b: 61; Le Renard & Pacaud 1995: 85; Pacaud 2008: 82).

*ovata*, *Ostrea* – Deshayes, 1832-EncyMeth: 294-295; 1861-DescrCoqFoss: 110, as synonym of *Ostrea longirostris* Lamarck, 1806. — Type localities: Longjumeau & Versailles. — Type age: Oligocene (Rupelian). — Current status: synonym of *Crassostrea longirostris* (Lamarck, 1806).



*pauciplicata*, *Ostrea* – Deshayes, 1835b: 126, pl. “28” [18], figs 5-6. — Type localities: Peloponnese Peninsula, Greece; also Sicily, Italy. — Type age: Recent. — Current status: synonym of *Ostrea stentina* Payraudeau, 1826 (Sabelli et al. 1990: 299).

*plana*, *Ostrea* – Deshayes, 1832-DescrCoqFoss: 338, 25, pl. 56, figs 5-6, non Gmelin, 1791; 1836-HistNatAnim2: 249; 1843-HistNatAnim3: 93; 1861-DescrCoqFoss: 102, as *Ostrea subplana* d’Orbigny, 1850. *Ostrea subplana* d’Orbigny, 1850b (d’Orbigny 1850b: 425, no. 1648), replacement name. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 35183, syntypes. — Current status: *Liostrea* (*Sinustrea*) *subplana* (d’Orbigny, 1850) (Pacaud 2007: 56).

*planicosta*, *Ostrea* – Deshayes, 1832-DescrCoqFoss: 368-369, 25, pl. 55, figs 4-6; 1861-DescrCoqFoss: 97, 114, in synonymy with *Ostrea cyathula* Lamarck, 1806. — Type locality: Longjumeau. — Type age: Oligocene (Rupelian). — Current status: synonym of *Crassostrea cyathula* (Lamarck, 1806) (Marquet et al. 2008: 15-16, pl. 2, fig. 3).

*pliatella*, *Ostrea* – Deshayes, 1832-DescrCoqFoss: 363, 24, pl. 50, figs 2-5; 1836-HistNatAnim2: 254; 1843-HistNatAnim3: 94-95; 1861-DescrCoqFoss: 123, in synonymy with *Ostrea tenuiplicata* Deshayes, 1832. — Type localities: Soissonnais & la Champagne [Aisne and Marne Department]. — Type age: Paleocene (Thanetian). Synonym of *Ostrea* (*Ostrea*) *bellovacina* Lamarck, 1806 (Cossmann, 1888: 194, as *O. “bellovacensis”*), the type species (OD) of *Bellostrea* Vialov, 1936. — Current status: *Ostrea* (*Bellostrea*) *bellovacina* Lamarck, 1806 (Le Renard & Pacaud 1995: 85).

*profunda*, *Ostrea* – Deshayes, 1832-DescrCoqFoss: 341-342, 24, pl. 48, figs 4-5, non Schröter, 1802; 1861-DescrCoqFoss: 98, 101, as senior synonym of *Ostrea subarcuata* Deshayes, 1832, but without noting the senior homonym of *O. profunda*. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). *Crassostrea profunda* (Deshayes, 1832) (Glibert & Van de Poel 1965b: 62). — Current status: *Crassostrea* (*Crassostrea*) *subarcuata* (Deshayes, 1832) (Le Renard & Pacaud 1995: 85).

*pseudoedulis*, *Ostrea* – Deshayes, 1833b: 231, “pl. 5, figs 3-4”, *nomen nudum*; 1835b: 122-123, pl. 21, figs 3-4. — Type locality: Peloponnese Peninsula, Greece. — Type age: Subapennine Formation, Pliocene. — Current status: *taxon inquirendum*.

*pulchella*, *Ostrea* – Deshayes, 1832-EncyMeth: 299, non Defrance, 1821. — Type locality: Peru. — Type age: Recent. Described from an unknown Peruvian location, not illustrated, and based on a specimen of only 45 mm in length. The name has never been used and is a junior homonym. If type material ever came to light, it would become a synonym, wherever it belongs. — Current status: *nomen dubium*.

*radiosa*, *Ostrea* – Deshayes, 1832-DescrCoqFoss: 359, 26, pl. 60, figs 6-7; 1836-HistNatAnim2: 252; 1843-HistNatAnim3: 94; 1861-DescrCoqFoss: 116. — Type locality: Poissy. — Type age: Eocene (Lutetian). — Current status: *Cubitostrea plicata* [Solander, in Brander, 1766] *radiosa* (Deshayes, 1832) (Le Renard & Pacaud 1995: 85).

*ravicosta*, *Ostrea* – Deshayes, 1832-EncyMeth: 299. — Type locality: none given. — Type age: not stated. — Current status: *nomen dubium*.

*raincourti*, *Ostrea* – Deshayes, 1858-DescrCoqFoss: 85, pl. 83, figs 10-11; 1861-DescrCoqFoss: 103-104. — Type locality: Verneuil. — Type age: Eocene (Bartonian). — Current status: *Crassostrea* (*Crassostrea*) *raincourti* (Deshayes, 1858) (Glibert & Van de Poel 1965b: 62; Le Renard & Pacaud 1995: 85).

*regularis*, *Ostrea* – Deshayes, 1850-TraitElem: 33, pl. 57, fig. 3. — Type locality: none given. — Type age: not stated. — Current status: *nomen dubium*.

*resupinata*, *Ostrea* – Deshayes, 1858-DescrCoqFoss: 85, pl. 84, figs 1-4; 1861-DescrCoqFoss: 101. — Type localities: Châlons-sur-Vesle, Gueux & Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Current status: *Liostrea* (*Sinustrea*) *resupinata* (Deshayes, 1858) (Glibert & Van de Poel 1965b: 66; Le Renard & Pacaud 1995: 85).

*roseacea*, *Ostrea* – Deshayes, 1836-HistNatAnim2: 236-237; 1843-HistNatAnim3: 88-89. — Type locality: Senegal. — Type age: Recent. — Current status: *Dendrostrea roseacea* (Deshayes, 1836) (Huber 2010a: 183, 613; 2015: 375; Hayami, in Okutani 2017: 1184, pl. 484, fig. 4; Poppe 2018: 105, noting that this had been given as “*Parahyotissa chemnitzii* Hanley, 1846,” in Poppe 2010: 550, pl. 966, figs 3-5; Boutet et al. 2020: 610).

*simplex*, *Ostrea* – Deshayes, 1832-DescrCoqFoss: 340-341, 26, pl. 57, fig. 7, pl. 59, figs 11-12, pl. 60, figs 3-4; 1836-HistNatAnim2: 249-250; 1843-HistNatAnim3: 93; 1861-DescrCoqFoss: 98, 104, in synonymy with *Ostrea cucullaris* Lamarck, 1819. — Type localities: Valmondois, Acy-en-Multien & Tancrou. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 35190, syntypes from Valmondois; -EM 35187, syntype. — Current status: synonym of *Crassostrea cucullaris* (Lamarck, 1819).

*sonora*, *Ostrea* – Deshayes, 1832-EncyMeth: 295; 1836-HistNatAnim2: 257; 1843-HistNatAnim3: 96, both as *ex* Defrance ms. — Type localities: Valognes & Ranville. — Type age: Eocene (Lutetian). — Current status: *nomen dubium*.

*sparnacensis*, *Ostrea* – Deshayes, 1832-DescrCoqFoss: 350-351; 28, pl. 64, figs 5-8, *ex* Defrance ms. — Type localities: Mont-Bernon (Epernay), Aye, Hautvillers, Disy. — Type age: Eocene (Ypresian). — Current status: *Crassostrea sparnacensis* (Deshayes, 1832) (Glibert & Van de Poel 1965b 62; Le Renard & Pacaud 1995: 85, both as “Defrance in Deshayes”).

*spinosa*, *Ostrea* – Deshayes, 1836-HistNatAnim2: 237; 1843-HistNatAnim3: 89, non Roemer, 1835 [not preoccupied by *Ostrea spinosa* Martyn, 1792, an unavailable name]. — Type locality: Amboina. — Type age: Recent. For some reason, Deshayes renamed the species that appeared in Quoy & Gaimard (1835: 455-456, pl. 76, figs 13-14) as *Ostrea echinata*. — Current status: synonym of *Saccostrea echinata* (Quoy & Gaimard, 1835).

*subarcuata*, *Ostrea* – Deshayes, 1832-DescrCoqFoss: 342, 26, pl. 59, figs 9-10. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Crassostrea subarcuata* (Deshayes, 1832) (Le Renard & Pacaud 1995: 85; Pacaud 2008: 82).

*submissa*, *Ostrea* – Deshayes, 1858-DescrCoqFoss: 85, pl. 84, figs 9-12; 1861-DescrCoqFoss: 120. — Type localities: Châlons-sur-Vesle, Aizy-Jouy, Cœuvres-et-Valsery, Laon, Houdainville, Gisors, Cuise-la-Motte & Chaumont-en-Vexin. — Type age: Paleocene (Thanetian) and Eocene (Ypresian-Lutetian). *Crassostrea* (*Cubitostrea*) *submissa* (Deshayes, 1858) (Glibert & Van de Poel 1965b: 64). — Current status: *Cubitostrea submissa* (Deshayes, 1858) (Le Renard & Pacaud 1995: 85; Pacaud 2008: 82).

*subplicata*, *Ostrea* – Deshayes, 1832-DescrCoqFoss: 345-346, 24, pl. 48, fig. 3; 1861-DescrCoqFoss: 120-121, in synonymy with *Ostrea flabellula* Lamarck, 1806. — Type localities: Parnes & Saint-Félix. — Type age: Eocene (Lutetian). — Current status: *Cubitostrea plicata* (Solander, in Brander, 1766) (Le Renard & Pacaud 1995: 85).

*suessoniensis*, *Ostrea* – Deshayes, 1858-DescrCoqFoss: 85, pl. 84, figs 13-14. 1861-DescrCoqFoss: 116-117. — Type localities: Mercinet-Vaux, Cuisy-en-Almont, Laon & Parisis-Fontaine. — Type age: Eocene (Ypresian). — Current status: synonym of *Ostrea* (*Turkostrea*) *multicostata* Deshayes, 1832 (Le Renard & Pacaud 1995: 85).

*tenuiplicata*, *Ostrea* – Deshayes, 1832-EncyMeth: 301; 1861-DescrCoqFoss: 123, as synonym of *Ostrea plicatella* Deshayes, 1832. — Type locality: none given. — Type age: Paleocene (Thanetian). Preoccupies *Ostrea tenuiplicata* Seguenza, 1879. Synonym of *Ostrea (Ostrea) bellovacina* Lamarck, 1806 (Cossmann 1888: 194, as *O. bellovacensis*), the type species (OD) of *Bellostrea* Vialov, 1936. — Current status: *Ostrea (Bellostrea) bellovacina* Lamarck, 1806 (Le Renard & Pacaud 1995: 85).

*tenuistria*, *Ostrea* – Deshayes, 1825-DictClass8: 389. — Type locality: Vaches-Noires, [Normandy, France]. — Type age: Jurassic. — Current status: *taxon inquirendum*.

*truncatella*, *Ostrea* – Deshayes, 1850-TraitElem: 33, pl. 57, figs 7-8. — Type locality: none given. — Type age: Mesozoic. — Type material: UCBL-EM 35253, syntype. — Current status: *taxon inquirendum*.

*uncinata*, *Ostrea* – Deshayes, 1835b: 126-127, pl. “28” [18], figs 9-11, non Lamarck, 1806. — Type locality: Peloponnese Peninsula, Greece. — Type age: Recent. — Current status: *taxon inquirendum*.

*virleti*, *Ostrea* – Deshayes, 1833b: 231, “pl. 5, figs 1-2”, *nomen nudum*; 1835b: 123-124, pl. 21, figs 1-2. — Type locality: Peloponnese Peninsula, Greece. — Type age: Subapennine Formation, Pliocene. — Current status: *Saccostrea virleti* (Deshayes, 1835) (Glibert & Van de Poel 1965b: 63; Monegatti & Raffi 2001: 183; Cárđinas *et al.* 2017: 375, 380, fig. 6k, without author or date).



*dorsata*, *Ostrea* – Deshayes, 1832-DescrCoqFoss: 355, 25, 27, pl. 54, figs 9-10; pl. 55, figs 9-11; pl. 64, figs 1-4; 1832-EncyMeth: 292; 1836-HistNatAnim2: 251; 1843-HistNatAnim3: 93-94; 1861-DescrCoqFoss: 102-103. — Type localities: Monneville, Valmondois & Senlis. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 35194, syntype This species was made available by J. de C. Sowerby, 1825 (J. de C. Sowerby 1825: 144, pl. 489, figs 1-2), *ex* Deshayes ms, based in part on material sent to him by Deshayes. *Crassostrea dorsata* (“Deshayes, 1832”) (Glibert & Van de Poel 1965b: 60). — Current status: *Crassostrea dorsata* (J. de C. Sowerby, 1825) (Le Renard & Pacaud 1995: 85).

*knorrii*, *Ostrea* – Deshayes, 1836-HistNatAnim2: 262, *ex* “Woltz” ms. Sherborn (1920: 3320) listed this name as being by Deshayes, but it was first made available by Voltz (1828).

*leymerii*, *Ostrea* – Leymerie, 1841: 334, 335, 336, *nomen nudum*; 1842: 11, 28, pl. 13, fig. 4a-b, *ex* Deshayes ms. — Type locality: Thieffrain (Aube). — Type age: Cretaceous (Hauterivian). — Type material: UCBL-EM 36174B, syntype.

*punctata*, *Ostrea* – Deshayes, 1858-DescrCoqFoss: 85, pl. 83, figs 6-9, non Gmelin, 1791. Made available by Melleville (1843: 84 [42, 83], pl. 3, figs 5-8). — Type localities: Cormicy & Villers-Franqueux, “etc.”. — Type age: Paleocene (Thanetian). *Ostrea subpunctata* d’Orbigny, 1850b (d’Orbigny 1850b: 307, no. 194), replacement name. — Current status: *Ostrea subpunctata* d’Orbigny, 1850 (Deshayes, 1861-DescrCoqFoss: 112-113). Glibert & Van de Poel (1965b: 66) listed this as “*Crassostrea subpunctata* (Deshayes, 1858)”.

#### Family GRYPHAEIDAE Vialov, 1936

*ambigua*, *Ostrea* – Deshayes, 1832-DescrCoqFoss: 343-344, 24 [as *O. dubia*], pl. 51, figs 3-4; 1835-DescrCoqFoss: 811 [correction noted]; 1861-DescrCoqFoss: 97, as variety of *Exogyra dorsata* (J. Sowerby, 1825) [*Ostrea*]. — Type localities: Beauchamp & Valmondois. — Type age: Eocene (Bartonian). — Type material: UCBL-EM

35179, syntype from Beauchamp. — Current status: synonym of *Crassostrea dorsata* (J. de C. Sowerby, 1825).

*americana*, *Ostrea* – Deshayes, 1832-EncyMeth: 304-305, non Defrance, 1821; 1836-HistNatAnim2: 207; 1843-HistNatAnim3: 78-79, the latter two as *Gryphaea*. — Type locality: Between Saint-George & Philadelphia, “Delaware”. — Type age: Cretaceous? Defrance’s species was a fossil from North Carolina, perhaps a synonym of *Crassostrea virginica* (Gmelin, 1791) [*Ostrea*] (D. C. Campbell, pers. comm., August 8, 2022). — Current status: most likely, Deshayes’ species was from the Cretaceous, perhaps a synonym of *Pycnodonte mutabilis* (S. G. Morton, 1828) [*Gryphaea*] (D. C. Campbell, pers. commun., August 8, 2022).

*arenaria*, *Ostrea* – Deshayes, 1832-DescrCoqFoss: 354-355, 28, pl. 64, figs 9-11; 1861-DescrCoqFoss: 97, as a form of *Gryphaea defrancii* Deshayes, 1832. — Type localities: Beauchamp, Pierrelay, Pontoise & Creil. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 35185, syntypes from Beauchamp. — Current status: *Pycnodonte defrancii* (Deshayes, 1832) (Pacaud herein).

*cariosa*, *Ostrea* – Deshayes, 1832-DescrCoqFoss: 337-338, 25, fig. 54, figs 5-6, 27, pl. 61, figs 5-7; 1836-HistNatAnim2: 248-249; 1843-HistNatAnim3: 93; 1861-DescrCoqFoss: 107. — Type localities: Chaumont-en-Vexin & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 35172, syntype. — Current status: *Pycnodonte (Pycnodonte) cariosa* (Deshayes, 1832) (Glibert & Van de Poel 1965b: 67; Le Renard & Pacaud 1995: 85; Pacaud 2008: 82).

*cutellina*, *Ostrea* – Deshayes, 1863: 36, not figured. — Type locality: La Réunion. — Type age: Recent. Nominal type species (OD) of *Booneostrea* Harry, 1985. However, the type species was misinterpreted by Harry (ICZN Code Art. 70.3), and the type species is now regarded as being *Booneostrea subucula* (Jousseume, in E. Lamy, 1925) [*Ostreidae*]. — Current status: Deshayes species is a synonym of *Neopycnodonte cochlear* (Poli, 1795) [*Ostrea*] (Huber 2010a: 185, 608).

*cymbiola*, *Gryphaea* – Deshayes, 1832-DescrCoqFoss: 329-330, 23, pl. 47, figs 4-6; 1836-HistNatAnim2: 206-207; 1843-HistNatAnim3: 78; 1861-DescrCoqFoss: 98, as *Ostrea*. — Type localities: Valmondois, Acy-en-Multien & Tancrou. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 35186, syntypes from Valmondois. — Current status: *Pycnodonte cymbiola* (Deshayes, 1832) (Le Renard & Pacaud 1995: 84).

*defrancii*, *Gryphaea* – Deshayes, 1832-DescrCoqFoss: 328-329, 23, pl. 47, figs 1-2 [in text as “pl. 48”; vol. 2: 810, error noted]; 1836-HistNatAnim2: 207; 1843-HistNatAnim3: 78; 1861-DescrCoqFoss: 98-99. — Type locality: Marines. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 35195, syntypes. — Current status: *Pycnodonte defrancii* (Deshayes, 1832) (Le Renard & Pacaud 1995: 84).

*gryphina*, *Ostrea* – Deshayes, 1832-DescrCoqFoss: 360-361, 27, pl. 62, figs 1-2; 1861-DescrCoqFoss: 113. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 35184, syntypes. — Current status: *Pycnodonte (Pycnodonte) gryphina* (Deshayes, 1832) (Glibert & Van de Poel 1965b: 68; Le Renard & Pacaud 1995: 85).

*inaspecta*, *Ostrea* – Deshayes, 1858-DescrCoqFoss: 85, pl. 83, figs 1-5; 1861-DescrCoqFoss: 100. — Type localities: Châlons-sur-Vesle & Muizon. — Type age: Paleocene (Thanetian). — Current status: *Pycnodonte inaspecta* (Deshayes, 1858) (Glibert & Van de Poel 1965b: 68; Le Renard & Pacaud 1995: 84; Leroy *et al.* 2014: 27, pl. 10, figs 10-13).

*inflata*, *Ostrea* – Deshayes, 1832-DescrCoqFoss: 359-360, 26, pl. 58, figs 4-5, pl. 59, figs 1-2, non Gmelin, 1791, non (Lamarck, 1807)



[*Lima*]; 1832-EncyMeth: 293-294; 1836-HistNatAnim2: 252-253; 1843-HistNatAnim3: 94; 1861-DescrCoqFoss: 114— Type locality: Valmondois. — Type age: Eocene (Bartonian). — Type material: UCBL-EM 35177, syntypes. — Current status: synonym of *Ostrea* (*Ostrea*) *gryphina* Deshayes, 1832 (Cossmann 1887: 193; Le Renard & Pacaud 1995: 85).

*sublobata*, *Ostrea* – Deshayes, 1832-EncyMeth: 307. — Type locality: none given. — Type age: not stated. — Current status: *Gryphaea sublobata* (Deshayes, 1832), recorded from the Jurassic of Great Britain (H. B. Woodward 1894: 561).

*uniangularis*, *Ostrea* – Deshayes, 1832-EncyMeth: 305. — Type locality: none given— Type age: not stated. — Current status: probably Gryphaeidae, but *nomen dubium*.

*violacea*, *Ostrea* – Deshayes, 1863: 35-36, not figured. — Type locality: La Réunion. — Type age: Recent. — Current status: synonym of *Hytotissa numisma* (Lamarck, 1819) [*Ostrea*] (Huber 2015: chapter 5 on CD; Lutaenko et al. 2019: 191).

*virgula*, *Gryphaea* – Deshayes, 1831b: 90-92, 260, pl. 5, figs 12-13, ex DeFrance (1821: 26) ms, a *nomen nudum*. — Type localities: France, Germany & England. — Type age: Upper Jurassic. Deshayes' well-known species name for this index fossil was conserved over two other earlier published names by ICSN Opinion 310 (1954d). — Type species of *Palaeogyra* Mirkamalov, 1963. — Current status: *Nanogyra* (*Palaeogyra*) *virgula* (Deshayes, 1831) (Koppka 2015: 32-35, figs 13.3-4, pl. 8.3-8, pl. 9, pl. 10.1).



*rarilamella*, *Ostrea* – Deshayes, 1860-DescrCoqFoss: 85, pl. 81, figs 1-2, pl. 82, figs 1-2; 1861-DescrCoqFoss: 109. Made available by Melleville (1843: 88-89 [42-43], unfigured). — Type locality: Laon. — Type age: Eocene (Ypresian). — Current status: *Pycnodontia rarilamella* (Melleville, 1843).

#### Family ANOMIIDAE Rafinesque, 1815

*Echinoderma* – Deshayes, 1830b-EncyMeth: 107. Incorrect subsequent spelling of *Echinoderma* Poli, 1795, a synonym of *Anomia* Linnaeus, 1758.

*casanovei*, *Anomia* – Deshayes, 1858-DescrCoqFoss: 86, pl. 85, figs 5-9; 1861-DescrCoqFoss: 133. — Type localities: Cramont, Avize & Cuis. — Type age: Eocene (Ypresian). — Current status: *Anomia casanovei* Deshayes, 1858 (Glibert & Van de Poel 1965b: 52; Le Renard & Pacaud 1995: 85).

*echinulata*, *Anomia* – Deshayes, 1858-DescrCoqFoss: 86, pl. 85, figs 19-21; 1861-DescrCoqFoss: 135-136 [figs listed in text as 19-22]; 1865-DescrCoqFoss: 665 [error corrected]. — Type locality: Valmondois. — Type age: Eocene (Bartonian). *Anomia echinulata* Deshayes, 1858 (Glibert & Van de Poel 1965b: 52; Le Renard & Pacaud 1995: 85). — Current status: *Heteranomia echinulata* (Deshayes, 1858) (Pacaud herein).

*goldfussi*, *Anomia* – Deshayes, 1861-DescrCoqFoss: 131. New species based *Anomia lens* Lamarck, 1819, of Goldfuss, 1833 (p. 40-41, pl. 88, fig. 8). — Type locality: Bad Wilhelmshöhe, Germany. — Type age: Oligocene. — Current status: synonym of *Anomia ephippium* Linnaeus, 1758 (R. Janssen 1979: 65-66).

*macrochisma*, *Anomia* – Deshayes, 1839d: 359; 1841: 2, pl. 34. — Type locality: Kamchatka; Mr. Chiron. — Type age: Recent. — Current status: *Pododesmus macrochisma* (Deshayes, 1839) (Kantor & Sysoev 2005: 326; Huber 2010a: 189; Hayami, in Okutani 2017: 1202, pl. 502, fig. 10).

*obliterata*, *Anomia* – Deshayes, 1850-TraitElem: 33, pl. 58, figs 1-3. — Type locality: none given. — Type age: not stated. — Current status: *taxon inquirendum*.

*pellucida*, *Anomia* – Deshayes, 1858-DescrCoqFoss: 86, pl. 85, figs 13-15; 1861-DescrCoqFoss: 134, *non* Terquem, in Chapuis & Dewalque, 1853. — Type localities: Le Fayel, Auvers-sur-Oise, Ecouen, Mary-sur-Marne & Lèvemont. — Type age: Eocene (Bartonian). — Current status: *Anomia psammatheis* Bayan, 1873a (Bayan 1873a: 134), replacement name (Le Renard & Pacaud 1995: 85).

*planulata*, *Anomia* – Deshayes, 1858-DescrCoqFoss: 86, pl. 85, figs 22-23; 1861-DescrCoqFoss: 135. — Type localities: Thiverval-Grignon, Parnes, Les Groux, Mouchy-le-Châtel, Saint-Félix, Gomerfontaine, Chaumont-en-Vexin & Hauteville-Bocage. — Type age: Eocene (Lutetian). — Current status: *Anomia planulata* Deshayes, 1858 (Glibert & Van de Poel 1965b: 53; Le Renard & Pacaud 1995: 85; Pacaud 2008: 84).

*primaeva*, *Anomia* – Deshayes, 1858-DescrCoqFoss: 86, pl. 85, figs 10-12; 1861-DescrCoqFoss: 132-133. — Type localities: Cuisse-la-Motte, Hérouval, Laon, Gisors, Aizy-Jouy & Cœuvres-et-Valsery. — Type age: Eocene (Ypresian). — Current status: *Anomia primaeva* Deshayes, 1858 (Glibert & Van de Poel 1965b: 54; Le Renard & Pacaud 1995: 85).

*rugosula*, *Anomia* – Deshayes, 1858-DescrCoqFoss: 86, pl. 85, figs 16-18; 1861-DescrCoqFoss: 134-135, as *Anomia rugosula*; 1865-DescrCoqFoss: 665, the latter should have been spelled *rugosula*. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Current status: *Anomia rugosula* Deshayes, 1858 (Glibert & Van de Poel 1965b: 54; Le Renard & Pacaud 1995: 85; Pacaud 2008: 84).

*rugosula*, *Anomia* – see: *rugosula*, *Anomia* above.

*tenuistriata*, *Anomia* – Deshayes, 1832-DescrCoqFoss: 377-378, 28 [as *A. "striatula"*], pl. 65, figs 7-11; 1837-DescrCoqFoss: 811 [error in pl. expl. corrected]; 1836-HistNatAnim2: 276; 1843-HistNatAnim3: 103; 1861-DescrCoqFoss: 131-132. — Type localities: Thiverval-Grignon, Parnes, Mouchy-le-Châtel, Courtagnon, Montmirail, Senlis, Beauchamp, Valmondois, Tancrou, Acy-en-Multien, Cuisse-la-Motte, Soissons, Grand, Bruxelles, Kassel, Valogne, London. — Type age: Eocene (Ypresian-Lutetian-Bartonian). *Anomia tenuistriata* Deshayes, 1832 (Glibert & Van de Poel 1965b: 54). — Current status: synonym of *Anomia anomialis* (Lamarck, 1819) [*Ostrea*] (Le Renard 1992: 3; Pacaud 2007: 56; Tréguier & Pacaud 2018: 212, as *A. "anomialis"*).

*vulsellata*, *Anomia* – Deshayes, 1858-DescrCoqFoss: 86, pl. 85, figs 24-27; 1861-DescrCoqFoss: 136. — Type localities: Parnes, Hérouval & Vaudancourt. — Type age: Eocene (Lutetian). — Current status: *Anomia vulsellata* Deshayes, 1858 (Glibert & Van de Poel 1965b: 55; Le Renard & Pacaud 1995: 85; Pacaud 2008: 84).

#### Family PECTINIDAE Rafinesque, 1815

*breviauritus*, *Pecten* – Deshayes, 1830-DescrCoqFoss: 303-304, 21, pl. 41, figs 16-17; 1832-EncyMeth: 719; 1836-HistNatAnim2: 164; 1843-HistNatAnim3: 63; 1860-DescrCoqFoss: 83, pl. 79, figs 1-3; 1861-DescrCoqFoss: 74-75. — Type locality: Saint-Martin-au-Bois. — Type age: Paleocene (Thanetian). *Pseudamussium breviauritus* (Deshayes, 1830) (Glibert & Van de Poel 1965b: 35). — Current status: *Palliolium breviauritus* (Deshayes, 1830) (Le Renard & Pacaud 1995: 84; Leroy et al. 2014: 27, pl. 8, figs 9-11).

*elegantissimus*, *Pecten* – Deshayes, 1863: 32-33, pl. 4, figs 11-12. — Type locality: La Réunion. — Type age: Recent. — Type species

(OD) of *Glorichlamys* Dijkstra, 1991. — Current status: *Glorichlamys elegantissima* (Deshayes, 1863) (Raines & Poppe 2006: 116, pl. 68, figs 1-3, 6-7; Raines, in Poppe 2010: 606, pl. 994, figs 5-6; Huber 2010a: 199, 624; Dijkstra & Beu 2018: 192-193, figs 36G-I, 38G, I, 39; Boutet *et al.* 2020: 624).

*escharoides*, *Pecten* – Deshayes, 1858-*DescrCoqFoss*: 83, pl. 79, figs 12-14; 1861-*DescrCoqFoss*: 78-79. — Type localities: Chaumont-en-Vexin, Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). *Aequipecten escharoides* (Deshayes, 1858) (Teppner 1922: 151, as “1864”). — Current status: synonym of *Mimachlamys plebeia* (Lamarck, 1806) (Le Renard & Pacaud 1995: 84).

*galeotti*, *Pecten* – Deshayes, 1861-*DescrCoqFoss*: 73. New species based on *Pecten solea* Deshayes, 1830, of Galeotti (1837: pl. 4, fig. 10). — Type locality: Belgium. — Type age: Eocene (Bartonian). — Current status: synonym of *Amusium corneum* (J. Sowerby, 1818) (Glibert 1936: 52, pl. 2, fig. 2, by implication, without mentioning Deshayes species), now *Eburnopecten corneum* (J. Sowerby, 1818).

*imbricatus*, *Pecten* – Deshayes, 1830-*DescrCoqFoss*: 305-306, 22, pl. 44, figs 16-18, *non* (Gmelin, 1791) [*Ostrea*], *nec* Bosc, 1801; 1832-*EncyMeth*: 730; 1836-*HistNatAnim2*: 165; 1843-*HistNatAnim3*: 63. — Type localities: Chaumont-en-Vexin & Parnes. — Type age: Eocene (Lutetian). *Pecten scabriusculus* Nyst, 1843 (Nyst 1843: 296), replacement name [as “*non* Lamarck, 1822”, actually Gmelin, 1791], but *non* *Pecten scabriusculus* Matheron, 1843; *Pecten subscabriusculus* d’Orbigny, 1850b (d’Orbigny 1850b: 393), replacement name for Nyst’s replacement name; *Pecten parisiensis* d’Orbigny, 1850b (d’Orbigny 1850b: 392, no. 1094), replacement name for Deshayes’ homonym. *Chlamys parisiensis* (d’Orbigny, 1850) (Teppner 1922: 119, acting as “first reviser” of d’Orbigny’s two renamings). — Current status: all are now considered synonyms of *Mimachlamys plebeia* (Lamarck, 1806) [*Pecten*] (Pacaud *herein*).

*indicus*, *Pecten* – Deshayes, 1832b: 410-411, 440, 523, pl. 3, fig. 5. — Type localities: Ceylon [Sri Lanka] & Indian Ocean; Bélanger. — Type age: Recent. — Current status: synonym of *Mimachlamys sanguinea* (Linnaeus, 1758) [*Ostrea*] (Raines & Poppe 2006: 31, 346; Dijkstra & Beu 2018: 289).

*irlandicus*, *Pecten* – Deshayes, 1835c: 24. Spelling error for *Pecten islandicus* O. F. Müller, 1776.

*irregularis*, *Hinnites* – Deshayes, 1832-*EncyMeth*: 273. — Type localities: France & England. — Type age: Recent. — Current status: synonym of *Talochlamys pusio* (Linnaeus, 1758) [*Ostrea*] (Dijkstra 1999: 417-419; Raines & Poppe 2006: 31, 347).

*laudunensis*, *Pecten* – Deshayes, 1860-*DescrCoqFoss*: 83, pl. 79, figs 7-9; 1861-*DescrCoqFoss*: 73. — Type localities: Laon & Aizy-Jouy. — Type age: Eocene (Ypresian). — Current status: synonym of *Entolium mellevillei* (d’Orbigny, 1850) [*Pecten*] (Teppner 1922: 91). Synonym of *Palliolum mellevillei* (d’Orbigny, 1850) Pacaud 2007: 56).

*meridanensis*, *Pecten* – Deshayes, 1853b: 509. Near Mérida. — Type locality: Near Mérida, Yucatan, Mexico. — Type age: not stated. — Current status: *nomen dubium*.

*mitis*, *Pecten* – Deshayes, 1830-*DescrCoqFoss*: 306-307, 22, pl. 44, figs 10-12; 1836-*HistNatAnim2*: 166; 1843-*HistNatAnim3*: 64; 1861-*DescrCoqFoss*: 77. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). *Chlamys mitis* (Deshayes, 1830) (Teppner 1922: 114, as “1824”). — Current status: synonym of *Mimachlamys plebeia* (Lamarck, 1806) (Le Renard & Pacaud 1995: 84).

*moreleti*, *Pecten* – Deshayes, 1853b: 509. — Type locality: Near Mérida, Yucatan, Mexico. — Type age: not stated. — Current status: *nomen dubium*.

*multicarinatus*, *Pecten* – Deshayes, 1830-*DescrCoqFoss*: 307-308, 21, pl. 42, figs 17-19; 1836-*HistNatAnim2*: 166; 1843-*HistNatAnim3*: 64; 1861-*DescrCoqFoss*: 79. — Type locality: Parnes. — Type age: Eocene (Lutetian). *Chlamys multicarinata* (Deshayes, 1830) (Teppner 1922: 114, as “1824”). — Current status: synonym of *Mimachlamys plebeia* (Lamarck, 1806) (Le Renard & Pacaud 1995: 84).

*multistriatus*, *Pecten* – Deshayes, 1830-*DescrCoqFoss*: 304-305, 21, pl. 41, figs 18-21, 22, pl. 44, figs 5-7, *non* (Poli, 1795) [*Ostrea*]; 1832-*EncyMeth*: 730; 1836-*HistNatAnim2*: 164-165; 1843-*HistNatAnim3*: 63; 1861-*DescrCoqFoss*: 83-84. — Type localities: Chaumont-en-Vexin & Senlis. — Type age: Eocene (Lutetian-Bartonian). *Pecten bouryi* Bucquoy, Dautzenberg & Dollfus, 1889 (Bucquoy *et al.* 1889: 109), replacement name. *Chlamys bouryi* (Bucquoy, Dautzenberg & Dollfus, 1889) (Teppner 1922: 102). — Current status: *Mimachlamys bouryi* (Bucquoy, Dautzenberg & Dollfus, 1889) (Le Renard & Pacaud 1995: 84).

*murchisoni*, *Pecten* – Deshayes, 1861-*DescrCoqFoss*: 72. New species based on *Pecten corneus* (J. Sowerby, 1818) of Archiac & Haime, 1853 (Archiac & Haime 1853: 269, pl. 23, fig. 10a-c). Archiac & Haime (1853) provided a tentative name for their fig. 11: *Pecten subcorneus*. — Type locality: Pakistan. — Type age: Eocene. — Current status: *nomen inquirendum*.

*nilsoni*, *Pecten* – Deshayes, 1836-*HistNatAnim2*: 168; 1843-*HistNatAnim3*: 65, *non* *Pecten nilsoni* Goldfuss, 1835 [Cretaceous]. Replacement name for *Pecten arcuata* J. Sowerby, 1818 (J. Sowerby 1818: 4, pl. 205, figs 5, 7), *non* *Pecten arcuata* (Brocchi, 1814) [*Ostrea*]. — Type locality: Devizes. — Type age: Coral Rag, Jurassic. Under ICZN Code Art. 58.7 [considered equivalent spellings], Goldfuss’ name preoccupies that of Deshayes. — Current status: *Camptopecten auratus* (Schlotheim, 1813) [*Chamites*] is a senior synonym of *Pecten arcuata* J. Sowerby, and Deshayes’s replacement becomes another synonym.

*operosus*, *Pecten* – Deshayes, 1858-*DescrCoqFoss*: 83, pl. 79, figs 10-11; 1861-*DescrCoqFoss*: 80. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Current status: *Mimachlamys operosa* (Deshayes, 1858) (Le Renard & Pacaud 1995: 84; Pacaud 2008: 83).

*optatus*, *Pecten* – Deshayes, 1858-*DescrCoqFoss*: 83, pl. 79, figs 18-20; 1861-*DescrCoqFoss*: 81-82. — Type localities: Parnes, Les Groux, Gomerfontaine, Saint-Félix, Chaumont-en-Vexin & Morainval. — Type age: Eocene (Lutetian). — Current status: synonym of *Mimachlamys plebeia* (Lamarck, 1806) (Le Renard & Pacaud 1995: 84).

*ornatus*, *Pecten* – Deshayes, 1830-*DescrCoqFoss*: 306, 22, pl. 44, figs 13-15, *non* Lamarck, 1819, *nec* (W. Wood, 1828) [*Ostrea*]; 1836-*HistNatAnim2*: 165-166; 1843-*HistNatAnim3*: 65. — Type localities: Thiverval-Grignon & Parnes. — Type age: Eocene (Lutetian). *Pecten subornatus* d’Orbigny, 1850b (d’Orbigny 1850b: 392, no. 1095), replacement name. *Chlamys subornatus* (d’Orbigny, 1850) (Teppner 1922: 124-125). — Current status: synonym of *Mimachlamys plebeia* (Lamarck, 1806) (Le Renard & Pacaud 1995: 84).

*pandorae*, *Pecten* – Deshayes, 1833b: 231, “pl. 2, figs 12-14”, *nomen nudum*; 1835b: 117-118, pl. 22, figs 12-14. — Type locality: Peloponnese Peninsula, Greece. — Type age: Subapennine Formation, Pliocene. — Current status: synonym of *Aequipecten seniensis* (Lamarck, 1819) [*Pecten*], which in turn is now regarded as a synonym of *Aequipecten scabrellus* (Lamarck, 1819) (Crippa & Raineri 2015: 79-80, pl. 5, figs 2-4, without mention of Deshayes’ species).

*pictus*, *Pecten* – Deshayes, 1833d: 66, pl. 65, figs 1-2, *non* da Costa, 1778. Both preoccupy *Pecten pictus* G. B. Sowerby II, 1842, which was renamed *Pecten oweni* de Gregorio, 1884. — Type locality: northern Red Sea. — Type age: Recent. — Current status: Deshayes’ species is now regarded as a synonym of *Gloripallium maculosum* (Forsskål, in Niebuhr, 1775) [*Ostrea*] (Dekker & Orlin 2000: 10;



Dijkstra & Knudsen 1998: 61-63, pl. 6, fig. 28), endemic to the Red Sea and Gulf of Aden.

*prestwichii*, *Pecten* – Deshayes, 1858-*DescrCoqFoss*: 83, pl. 79, figs 4-6. Incorrect subsequent spelling of the Eocene (Ypresian) *Palliolium prestwichii* (Morris, 1852: 266, pl. 79, fig. 8) [*Pecten*].

*prevosti*, *Pecten* – Deshayes, 1861-*DescrCoqFoss*: 79. Parnes. — Type localities: Thiverval-Grignon & Biarritz. — Type age: Eocene (Lutetian). — Current status: synonym of *Mimachlamys plebeia* (Lamarck, 1806) [*Pecten*] (Pacaud 2007: 56).

*pseudamussium*, *Pecten* – Deshayes, 1835b: 118-119, pl. 22, figs 9-11, *ex* Chemnitz ms. — Type localities: Peloponnese Peninsula, Greece. — Type age: Subapennine Formation, Pliocene; also Mediterranean & Indian Ocean. A later *Pecten pseudamussium* G. B. Sowerby II, 1842, is a synonym of *Lissochlamys exotica* (Dillwyn, 1817) [*Ostrea*]. — Current status: synonym of *Pseudamussium peslutrae* (Linnaeus, 1771) [*Ostrea*], the type species of *Pseudamussium* Mörch, 1853, through another synonym.

*rosaceus*, *Pecten* – Deshayes, 1863: 31, *nomen nudum* and thus not preoccuping *Pecten rosaceus* Locard, 1888.

*semperi*, *Pecten* – Deshayes, 1861-*DescrCoqFoss*: 73. New species based on *Pecten solea* Deshayes, 1830, of Philippi (1846: 54, unfigured). — Type locality: Westeregeln, Germany. — Type age: Oligocene. — Current status: synonym of the Eocene (Ypresian) *Entolium corneus* (J. Sowerby, 1818) [*Pecten*] (Teppner 1922: 89), now *Lentipecten corneus* (J. Sowerby, 1818) (Jeffery & Tracey 1997: 80).

*solea*, *Pecten* – Deshayes, 1830-*DescrCoqFoss*: 302-303, 21, pl. 42, figs 12-13; 1832-*EncyMeth*: 718-719; 1836-*HistNatAnim2*: 163-164; 1843-*HistNatAnim3*: 63; 1861-*DescrCoqFoss*: 72. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). *Pseudamussium solea* (Deshayes, 1830) (Glibert & Van de Poel 1965b: 35). — Current status: *Palliolium solea* (Deshayes, 1830) (Le Renard & Pacaud 1995: 84; Pacaud 2008: 83; Courville *et al.* 2012: 59, pl. 1, fig. 1).

*squamulosus*, *Pecten* – Deshayes, 1832-*EncyMeth*: 717-718, *non* Risso, 1826. Invalid subsequent emendation of *Pecten squamula* Lamarck, 1806.

*squamulosus*, *Pecten* – Deshayes, 1833b: 231, “pl. 5, figs 7-11”, *nomen nudum*; 1835b: 119, pl. 21, figs 7-11, *non* Risso, 1826, *non* Deshayes, 1832. — Type locality: Peloponnese Peninsula, Greece. — Type age: Subapennine Formation, Pliocene.

*tripartitus*, *Pecten* – Deshayes, 1830-*DescrCoqFoss*: 308, 21, pl. 42, figs 14-16; 1832-*EncyMeth*: 729; 1836-*HistNatAnim2*: 166-167; 1843-*HistNatAnim3*: 64; 1861-*DescrCoqFoss*: 80. — Type localities: Chaumont-en-Vexin & Senlis. — Type age: Eocene (Lutetian-Bartonian). Preoccupies *Pecten tripartitus* McCoy, in Griffith, 1844, which was renamed *Pecten subtripartitus* d’Orbigny, 1850. *Chlamys tripartitus* (Deshayes, 1830) (Teppner 1922: 126, as “1824”). — Current status: synonym of *Mimachlamys plebeia* (Lamarck, 1806) (Le Renard & Pacaud 1995: 84).

*verneuili*, *Pecten* – Deshayes, 1850-*TraitElem*: 29, pl. 49, figs 7-8. — Type locality: none given. — Type age: not stated. — Current status: *taxon inquirendum*.

*yucatanensis*, *Pecten* – Deshayes, 1853b: 509. — Type locality: Near Mérida, Yucatan, Mexico. — Type age: not stated. — Current status: *nomen dubium*.

*dujardini*, *Hinnites* – Leymerie, 1841: 299, “pl. 13, fig. 3”, *nomen nudum*; 1842: 10, 27, pl. 13, fig. 3, *ex* Deshayes ms. — Type locality: Auxon. — Type age: Cretaceous. — Current status: *Prohinnites dujardini* (Leymerie, 1842) (Harper *et al.* 1996: 136).

*exoticus*, *Pecten* – Deshayes, 1836-*HistNatAnim2*: 154-155, *ex* Chemnitz ms. This was listed by Sherborn (1926: 2279) as if it were a Deshayes species, but it was first made available by Holten (1802) for a west African species now known as *Lissochlamys exotica* (Holten, 1802) [*Ostrea*].

*flabelliformis*, *Pecten* – Deshayes, 1833b: 231, “pl. 6, figs 1-2”, *nomen nudum*. — Type locality: Peloponnese Peninsula, Greece. — Type age: Subapennine Formation, Pliocene. Indicated as being a new species in 1833, Deshayes then correctly recorded this as being *Pecten flabelliformis* (Brocchi, 1814) [*Ostrea*], in his 1835 text (p. 119-120, pl. 20, figs 1-2), the type species (OD) of *Flabellipecten* Sacco, 1897, which is now regarded as a synonym of *Pecten* O. F. Müller, 1776.

*goldfussi*, *Pecten* – Leymerie, 1841: 321, 336, *nomen nudum*; 1842: 10, 27, pl. 8, fig. 9a-b, *ex* Deshayes ms. — Type locality: Les Croûtes. — Type age: Cretaceous (Hauterivian). Dhondt (1973: 47-52, 132, pl. 5, fig. 1) discussed and figured this species, as *Chlamys goldfussi* (Leymerie, 1842), indicating that type material was not located.

*leymerii*, *Hinnites* – Leymerie, 1841: 342, *nomen nudum*; 1842: 10, 27, pl. 14, fig. 1, *ex* Deshayes ms. — Type localities: Flogny-la-Chapelle & Soullaines-Dhuys. — Type age: Cretaceous (Hauterivian). — Type species (SD Eberzin, 1960) of *Prohinnites* Gillet, 1921. — Current status: *Prohinnites leymerii* (Leymerie, 1842) (Neveskaja *et al.* 2013: 219, fig. 76-5).

*voltzii*, *Pecten* – Leymerie, 1841: 342, *nomen nudum*; 1842: 10, 27, pl. 6, fig. 11a-c, *ex* Deshayes ms. — Type localities: Fouchères & Chenay. — Type age: Cretaceous (Hauterivian). — Current status: *Chlamys voltzii* (Leymerie, 1842) [*Pecten*] (Dhondt 1973: 49).

#### Family SPONDYLIDAE J. E. Gray, 1826

*Gaideroa* – Deshayes, 1832-*EncyMeth*: 163. Unavailable, not used as a valid name and in synonymy with *Spondylus* Linnaeus, 1758 (Huber, 2010a: 627).

*concaus*, *Spondylus* – Deshayes, 1863: 34-35, pl. 5, figs 1-3. — Type locality: La Réunion. — Type age: Recent. — Current status: *Spondylus concaus* Deshayes, 1863 (Huber 2010a: 217, 629).

*crocatu*, *Spondylus* – Deshayes, 1849-*DictUnivAtlas*: 10, pl. 8, figs 3-4. — Type locality: none given. — Type age: Recent. Older name for the western Atlantic species long known as *Spondylus ictericus* Reeve, 1856. — Current status: Deshayes’ name turns out to be one of five earlier synonyms, the oldest of which is *Spondylus tenuis* Schreibers, 1793 (Huber 2010a: 215, 628).

*defrancii*, *Hinnites* – Deshayes, 1825-*DictClass8*: 201. — Type locality: none given. — Type age: not stated. Preoccupies *H. defrancii* Michelotti, 1847. — Current status: *nomen dubium*.

*demissus*, *Spondylus* – Deshayes, 1858-*DescrCoqFoss*: 84, pl. 80, figs 24-27; 1861-*DescrCoqFoss*: 91-92. — Type locality: Cuise-la-Morte. — Type age: Eocene (Ypresian). — Current status: *Spondylus demissus* Deshayes, 1858 (Le Renard & Pacaud 1995: 84).

*granulosus*, *Spondylus* – Deshayes, 1830/1832-*DescrCoqFoss*: 322-323, 23, pl. 46, figs 11-12; 1832-*EncyMeth*: 982; 1836-*HistNatAnim2*: 193; 1843-*HistNatAnim3*: 73; 1861-*DescrCoqFoss*: 93. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Current status: *Spondylus granulosus* Deshayes, 1830 (Le Renard & Pacaud 1995: 84; Pacaud 2008: 83).

*multistriatus*, *Spondylus* – Deshayes, 1830-*DescrCoqFoss*: 322, 23, pl. 45, figs 19-21; 1832-*EncyMeth*: 981-982; 1836-*HistNatAnim2*: 193; 1843-*HistNatAnim3*: 73-74; 1861-*DescrCoqFoss*: 91. — Type localities: Chaumont-en-Vexin, Mary-sur-Marne, Acy-en-Multien & Tancrou. — Type age: Eocene (Lutetian-Bartonian). — Current status: *Spondylus multistriatus* Deshayes, 1830 (Glibert & Van de Poel 1965b: 42; Le Renard & Pacaud 1995: 84; Pacaud 2008: 83).

*nilssoni*, *Spondylus* – Deshayes, 1836-*HistNatAnim2*: 193-194; 1843-*HistNatAnim3*: 74. — Type locality: Scanie, Maestricht. — Type age: Cretaceous (Campanian). — Current status: synonym of *Spondylus labiatus* (Wahlenberg, 1821) (Lundgren 1885: 7-9).

*quinquecostatus*, *Spondylus* – Deshayes, 1833b: “pl. 2, figs 1-2”, *nomen nudum*; 1835b: 121, pl. 22, figs 1-2, *non* J. Sowerby, 1814. — Type localities: Peloponnese Peninsula, Greece. — Type age: Subapennine Formation. — Type age: Pliocene; also Italy & Piémont. — Current status: synonym of *Spondylus crassicastra* Lamarck, 1819 (P. Fischer, in Tchihatcheff 1866: 266).

*rarispinga*, *Spondylus* – Deshayes, 1830-*DescrCoqFoss*: 321-322, 23, pl. 46, figs 6-10; 1832-*EncyMeth*: 981; 1836-*HistNatAnim2*: 192-193; 1843-*HistNatAnim3*: 73; 1861-*DescrCoqFoss*: 90-91. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Current status: *Spondylus rarispinga* Deshayes, 1830 (Glibert & Van de Poel 1965b: 43; Le Renard & Pacaud 1995: 84; Pacaud 2008: 83).

*vaudini*, *Spondylus* – Deshayes, 1858-*DescrCoqFoss*: 84, pl. 80, figs 14-20; 1861-*DescrCoqFoss*: 92. — Type localities: Laon & Mons-en-Laonnais. — Type age: Eocene (Ypresian). — Current status: *Spondylus vaudini* Deshayes, 1858 (Le Renard & Pacaud 1995: 84).



*roemeri*, *Spondylus* – Leymerie, 1841: 342, *nomen nudum*; 1842: 10-11, 27, pl. 6, figs 8-10, *ex* Deshayes ms. — Type localities: Fouchères & Chenay. — Type age: Cretaceous (Hauterivian). — Current status: *Spondylus roemeri* Leymerie, 1842 (Masse *et al.* 2022: 7).

*spinus*, *Spondylus* – Listed by Leymerie (1846: 136) and Arkadiev (2020: 21, 304, pl. 101, fig. 8) as a Deshayes species, this originated as *Spondylus spinus* (J. Sowerby, 1814) [*Plagiostoma*].

#### Family PLICATULIDAE J. E. Gray, 1854

*complanata*, *Plicatula* – Deshayes, 1863: 33, pl. 5, fig. 4. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-4051, holotype. — Current status: *Plicatula complanata* Deshayes, 1863 (Huber 2010a: 192-193, 621; Poppe 2011: 102, pl. 1046, fig. 4).

*condylus*, *Plicatula* – Deshayes, 1858-*DescrCoqFoss*: 84, pl. 80, figs 11-13; 1861-*DescrCoqFoss*: 88. — Type localities: Thiverval-Grignon & Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Current status: *Plicatula roissy* [Defrance, 1826] *condylus* Deshayes, 1858 (Le Renard & Pacaud 1995: 84).

*echinulata*, *Plicatula* – Deshayes, 1858-*DescrCoqFoss*: 84, pl. 80, figs 8-10; 1861-*DescrCoqFoss*: 86. — Type locality: Chaussy. — Type age: Eocene (Lutetian). — Current status: *Plicatula echinulata* Deshayes, 1830 (Glibert & Van de Poel 1965b: 44; Le Renard & Pacaud 1995: 84; Pacaud 2008: 83).

*elegans*, *Plicatula* – Deshayes, 1830-*DescrCoqFoss*: 314-315, 23, pl. 45, figs 11-13; 1832-*EncyMeth*: 802; 1836-*HistNatAnim2*: 176-177; 1843-*HistNatAnim3*: 68-69; 1861-*DescrCoqFoss*: 88-89. — Type locality: Parnes. — Type age: Eocene (Lutetian). —

Current status: *Plicatula elegans* Deshayes, 1830 (Glibert & Van de Poel 1965b: 44; Le Renard & Pacaud 1995: 84; Pacaud 2008: 83).

*multiplicata*, *Plicatula* – Deshayes, 1863: 33-34, pl. 5, figs 5-6. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-4069, 2 syntypes. — Current status: synonym of *Plicatula australis* Lamarck, 1819 (Huber 2010a: 192, 621; Lutaenko *et al.* 2019: 22).

*parisiensis*, *Plicatula* – Deshayes, 1858-*DescrCoqFoss*: 84, pl. 80, figs 5-7; 1861-*DescrCoqFoss*: 87. — Type localities: Thiverval-Grignon, Fontenay-Saint-Père, Saint-Félix, Le Vivray & Meulan. — Type age: Eocene (Lutetian). *Plicatula parisiensis* Deshayes, 1858 (Glibert & Van de Poel 1965b: 45). — Current status: *Plicatula roissy* [Defrance, 1826] *parisiensis* Deshayes, 1858 (Le Renard & Pacaud 1995: 84).

*spondyloides*, *Plicatula* – Deshayes, 1858-*DescrCoqFoss*: 84, pl. 80, figs 21-23; 1861-*DescrCoqFoss*: 86-87. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Current status: *Plicatula spondyloides* Deshayes, 1830 (Glibert & Van de Poel 1965b: 45; Le Renard & Pacaud 1995: 84; Pacaud 2008: 83).

*squamula*, *Plicatula* – Deshayes, 1830-*DescrCoqFoss*: 313-314, 23, pl. 45, figs 7-10; 1832-*EncyMeth*: 802; 1836-*HistNatAnim2*: 180; 1843-*HistNatAnim3*: 69; 1861-*DescrCoqFoss*: 85-86. — Type locality: Les Groux. — Type age: Eocene (Lutetian). — Current status: *Plicatula squamula* Deshayes, 1830 (Glibert & Van de Poel 1965b: 46; Le Renard & Pacaud 1995: 84; Pacaud 2008: 83).

#### Family LIMIDAE Rafinesque, 1815

*Cystia* – Deshayes, 1844-*DictUniv4*: 562, *ex* Renier. This name was proposed by Renier (1807), in a work placed on the Official Index (ICZN Opinion 427, 1956b). Its republication by Deshayes, who did not treat it as valid, did not make it available.

*bullifera*, *Lima* – Deshayes, 1863: 30-31, pl. 4, figs 9-10. — Type locality: La Réunion. — Type age: Recent. — Current status: *Lima bullifera* Deshayes, 1863 (Huber 2010a: 633; Boutet *et al.* 2020: 607).

*caillati*, *Lima* – Deshayes, 1858-*DescrCoqFoss*: 82, pl. 78, figs 5-8; 1861-*DescrCoqFoss*: 66-67. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 35346, holotype. — Current status: *Lima (Ctenoides) caillati* Deshayes, 1858 (Le Renard & Pacaud 1995: 84; Pacaud 2008: 83).

*cordiformis*, *Lima* – Deshayes, 1832-*EncyMeth*: 348-349; 1836-*HistNatAnim2*: 123; 1843-*HistNatAnim3*: 48-49. — Type locality: Germany. — Type age: Muschelkalk, Triassic. — Current status: *taxon inquirendum*.

*diastropa*, *Lima* – Deshayes, 1858-*DescrCoqFoss*: 82, pl. 78, figs 12-13; 1861-*DescrCoqFoss*: 66. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Current status: *Lima (Ctenoides) diastropa* Deshayes, 1858 (Glibert & Van de Poel 1965b: 50; Le Renard & Pacaud 1995: 84; Pacaud 2008: 83).

*dujardini*, *Lima* – Deshayes, 1832-*EncyMeth*: 353; 1836-*HistNatAnim2*: 121; 1843-*HistNatAnim3*: 47-48. — Type locality: Tours. — Type age: Cretaceous (Turonian). — Current status: *Lima dujardini* Deshayes, 1832 (Dhondt, 1985: 46).

*flabelloides*, *Lima* – Deshayes, 1830-*DescrCoqFoss*: 296, 22, pl. 43, figs 6-8; 1832-*EncyMeth*: 347-348; 1836-*HistNatAnim2*: 119-120; 1843-*HistNatAnim3*: 47; 1860-*DescrCoqFoss*: 82, pl. 78, figs 14-15; 1861-*DescrCoqFoss*: 65. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Current status: *Lima (Ctenoides) flabelloides* Deshayes, 1858 (Glibert & Van de Poel 1965b: 50; Le Renard & Pacaud 1995: 83).



*lunularis*, *Lima* – Deshayes, 1832-EncyMeth: 349; 1836-HistNatAnim2: 122; 1839-RegAnim: pl. 77, fig. 3, 3a-b, as *Plagiostoma*; 1843-HistNatAnim3: 48; 1850-TraitElem: 29, pl. 47, figs 18-19. — Type localities: Caen & Bayeux. — Type age: Jurassic (Bajocian). — Type material: UCBL-EM 35334, syntype. Recorded from the Jurassic of Great Britain (H. B. Woodward 1894: 562).

*pretiosa*, *Lima* – Deshayes, 1858-DescrCoqFoss: 82, pl. 78, figs 16-19; 1861-DescrCoqFoss: 64-65. — Type localities: Thiverval-Grignon & Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Current status: *Lima* (*Ctenoides*) *pretiosa* Deshayes, 1858 (Glibert & Van de Poel 1965b: 51; Le Renard & Pacaud 1995: 83; Pacaud 2008: 83).

*rara*, *Lima* – Deshayes, 1858-DescrCoqFoss: 82, pl. 78, figs 9-11; 1861-DescrCoqFoss: 64. — Type locality: Parnes. — Type age: Eocene (Lutetian). *Lima* (*Ctenoides*) *rara* Deshayes, 1858 (Glibert & Van de Poel 1965b: 51; Le Renard & Pacaud 1995: 83; Pacaud 2008: 83).

*sandbergeri*, *Lima* – Deshayes, 1858-DescrCoqFoss: 82, pl. 78, figs 23-25; 1861-DescrCoqFoss: 67-68. — Type locality: Jeure. — Type age: Oligocene (Rupelian). — Current status: *Limaria* (*Limatulella*) *sandbergeri* (Deshayes, 1858) (Glibert & Van de Poel 1965b: 49; R. Janssen 1979: 68-69; Lozouet & Maestrati 2012a: 250, 252, fig. 159: 13-14, the last two as “1861”).

*sowerbyi*, *Lima* – Deshayes, 1863: 30, *non* Geinitz, 1850. Based on *Lima squamosa* G. B. Sowerby II, 1843, var. — Type locality: La Réunion. — Type age: Recent. — Current status: synonym of *Lima vulgaris* (Link, 1807) [*Limaria*] (Huber 2010a: 228, 632; Lutaenko et al. 2019: 203).

*tenuis*, *Lima* – Deshayes, 1858-DescrCoqFoss: 82, pl. 78, figs 20-22; 1861-DescrCoqFoss: 67. — Type localities: Crouy & Le Guépelle. — Type age: Eocene (Bartonian). *Limatula* (*Limatulella*) *tenuis* (Deshayes, 1858) (Glibert & Van de Poel 1965b: 49). — Current status: *Antarctolima tenuis* (Deshayes, 1858) (Le Renard & Pacaud 1995: 84).

*uniauriculata*, *Lima* – Deshayes, 1832-EncyMeth: 350. — Type locality: none given. — Type age: not stated. — Current status: *nomen dubium*.

*comata*, *Lima* – Leymerie, 1841: 342, *nomen nudum*; 1842: 10, 26, pl. 8, fig. 7a-b, *ex* Deshayes ms. — Type locality: Vendevre-sur-Barse. — Type age: Cretaceous (Hauterivian).

*hoperi*, *Lima* – Listed by Arkadiev (2020: 29, 192, pl. 45, fig. 8) as a Deshayes species, this originated as *Lima hoperi* Mantell, 1822.

*pectinoides*, *Lima* – Deshayes, 1850-TraitElem: 29, pl. 48, fig. 3. Fossil. Listed by Sherborn (1929: 4805) as a Deshayes species, this was based on *Plagiostoma pectinoides* J. Sowerby, 1815.

*striata*, *Lima* – Deshayes, 1850-TraitElem: 29, pl. 47, fig. 17. Listed by Sherborn (1931: 6183) as a Deshayes species, was based on *Chamites striatus* Schlotheim, 1813 (Schlotheim 1813: 103), which has been variously placed in *Lima* or *Plagiostoma* See also Schlotheim (1820: 210-211). Both Schlotheim works cite earlier figures.

*undata*, *Lima* – Leymerie, 1841: 342, *nomen nudum*; 1842: 10, 27, pl. 8, fig. 8a-b, *ex* Deshayes ms. — Type locality: Vendevre-sur-Barse. — Type age: Cretaceous (Hauterivian).

#### Family PTEROTRIGONIIDAE van Hoepen, 1929

*fittoni*, *Trigonia* – Leymerie, 1841: 319, 322, 336, *nomen nudum*; 1842: 7-8, 26, pl. 9, fig. 6a-c, *ex* Deshayes ms. — Type localities: Le

Gâtay & Epothémont & “etc.” – Argile Téguline & Grès Vert. — Type age: Cretaceous (Hauterivian). — Type species (OD) of *Noelmorrisia* M. R. Cooper, 2015a. *Linotrigonia fittoni* (Leymerie, 1842) (Colleté et al. 2010: 81). — Current status: *Noelmorrisia fittoni* (Leymerie, 1842) (Cooper 2015a: 23, fig. 7A-B).

#### Family TRIGONIIDAE Lamarck, 1819

*puschi*, *Trigonia* – Deshayes, 1858-TraitElem: 252. *Trigonia costata* “Lamarck”, actually Parkinson, 1811, as figured by Pusch (1836: 58, pl. 7, figs 1a-b, 2a-b). — Type locality: Ukraine. — Type age: Jurassic. — Current status: *taxon inquirendum*.

*harpa*, *Trigonia* – Leymerie, 1841: 342, *nomen nudum*; 1842: 8, 26, pl. 9, fig. 7a-b, *ex* Deshayes ms. — Type localities: Magny, Marolles-sous-Lignièrès, Soulaines-Dhuys & Vendevre-sur-Barse. — Type age: Cretaceous (Hauterivian). — Current status: synonym of *Trigonia carinata* Agassiz, 1840 (Yanin & Bogdanova 2017: 914).

*palmata*, *Trigonia* – Leymerie, 1841: 336, *nomen nudum*; 1842: 7, 26, pl. 8, fig. 5, *ex* Deshayes ms. — Type locality: Chaource?. — Type age: Cretaceous (Hauterivian). *Mediterraneotrigonia palmata* (Leymerie, 1842) (Mongin, 1979: 130). — Type species (OD) of *Lutetigonia* Cooper, 2020. — Current status: *Lutetigonia palmata* (Leymerie, 1842) (Cooper 2020: 24, fig. 8G).

#### Family RUTITRIGONIIDAE van Hoepen, 1929

*lajoyei*, *Trigonia* – Leymerie, 1841: 342, *nomen nudum*; 1842: 7, 30, pl. 8, fig. 4a-b, *ex* Deshayes ms. — Type localities: Flogny-la-Chapelle & Marolles-sous-Lignièrès. — Type age: Cretaceous (Hauterivian). — Current status: synonym of *Lycettitrigona longa* (Agassiz, 1840) [*Trigonia*] (Cooper 2015b: 160, 165).

#### Family MYOPHORIIDAE Bronn, 1849

*elegantula*, *Cardita* – Deshayes, 1857-TraitElem: 165, *non* Deshayes, 1854. Replacement name for *Cardita elegans* Klipstein, 1845 (Klipstein 1845: 255, 310, pl. 16, fig. 21a-c), *non* (Lamarck, 1805) [*Venericardia*]. While *Cardium elegantulum* d’Orbigny, 1850a (d’Orbigny 1850a: 198-199, no. 474), was an earlier replacement name for *Cardium elegans* (Klipstein, 1845) [*Cardita*], as “*non Cardium elegans* (Münster, 1840)” [*Cardiola*], it is a primary junior of *Cardium elegantulum* Møller, 1842. — Type locality: Saint-Cassian, Italy. — Type age: Triassic (Norian). — Current status: synonym of *Myomorpha ornata* Münster, 1841 (Bittner 1895: 93-94, pl. 12, figs 20-22; Newton 1900: 134, pl. 12, figs 12-14; Waagen 1907: 75-76, pl. 33, fig. 17-18).

*Cryptina* Boué, 1835: 47. Misrecorded by Sherborn (1925: 1663) as being by Deshayes, but he evidently misunderstood the footnote in which it was described, which only acknowledged Deshayes for having prepared the figured specimens.

*deraiabel*, *Cryptina* – Boué, 1835: 47, similarly misrecorded by Sherborn.

## Family DESERTELLIDAE Dechaseaux, 1847

This family was listed in Nevesskaja *et al.* (2013: 56) as by “Deshayes, 1846”.

## Family ETHERIIDAE Deshayes, 1832

Etheriidae – Deshayes, 1832-EncyMeth: fold-out table after p. 553, as “Ethéries”. Type genus: *Etheria* Lamarck, 1807. Family name first latinized by Swainson, 1840. Now recognized at both the family and superfamily levels.

## Family MULLERIIDAE Deshayes, 1832

Mulleriidae – Deshayes, 1832-EncyMeth: fold-out table after p. 553, as “Mullerie”. Type genus: *Mulleria* Férussac, 1824. Family name first latinized by Herrmannsen, 1847. Often listed as a synonym of Mycetopodidae J. E. Gray, 1840, but Deshayes' name is senior.

*rivoli*, *Mulleria* – Deshayes, 1827-DictClass11: 296-297. — Type locality: none given. — Type age: Recent. — Type species (SM Deshayes, 1827) of *Mulleria* Férussac, 1824. *Eumulleria* R. Anthony, 1907, is an objective synonym with the same type species (OD). *Acostaea* d'Orbigny, 1851, is a subjective synonym of *Mulleria*, with a different, but synonymous type species. — Current status: *Mulleria rivoli* Deshayes, 1827 (Arteaga Sogamoso 1994, as “*Acostaea rivoli*”).

## Family HYRIIDAE Swainson, 1840

*cyrmatophora*, *Hyria* – Deshayes, 1844-RegAnim: pl. 92, fig. 3, 3a. — Type locality: none given. — Type age: not stated [Recent]. Incorrect subsequent spelling of *Mya syrmatophora* Gmelin, 1791, *ex* Müschen, in Gronovius, 1781 [unavailable work; ICZN Opinion 261, 1954c], now *Prisodon syrmatophorus* (Gmelin, 1791) from central and northern South America.

## Family UNIONIDAE Rafinesque, 1820

*Emblema* – Deshayes, 1840-DictUniv1: 334. Incorrect subsequent spelling of *Amblema* Rafinesque, 1820.

*Strophites* – Deshayes, 1832-EncyMeth: 998. Incorrect subsequent spelling of *Strophitus* Rafinesque, 1820, now regarded as a valid genus.

*anceps*, *Unio* – Deshayes in Deshayes & Jullien, 1876: 127-128, 160, pl. 6, figs 9-12. — Type locality: Mekong River, Cambodia. — Type age: Recent. — Type material: MNHN-IM-2000-1636, 2 syntypes. — Current status: *Scabies anceps* (Deshayes in Deshayes & Jullien, 1876) (Graf & Cummings 2020).

*broti*, *Unio* – Deshayes in Deshayes & Jullien, 1876: 129-130, 160, pl. 7, figs 1-3. — Type locality: Sambor, Mekong River, Cambodia, 10-15 cm. of water. — Type age: Recent. — Type material: MNHN-IM-2000-1652, 1 syntype. — Preoccupies *Unio broti* Locard, 1893, which has not been replaced. — Current status: Synonym of *Unionetta fabagina* (Deshayes in Deshayes & Jullien, 1876) (Nevesskaja *et al.* 2013: 123, fig. 28-5; Graf & Cummings 2020).

*cardiacea*, *Unio* – Deshayes, 1839-TraitElem: 19, pl. 31, figs 1-2. — Type locality: none given. — Type age: Recent. This species was figured here and the same year in Guérin-Méneville (1839: 45, pl. 28,

fig. 7), in the latter credited to Say, but Say did not describe it. (Say did have a *Unio cardice* as a *nomen nudum* in 1829: 292). — Current status: synonym of the North American *Pleurobema rubrum* (Rafinesque, 1820) [*Obliquaria*] (Graf & Cummings 2020).

*comptus*, *Unio* – Deshayes in Deshayes & Jullien, 1876: 126-127, 159, pl. 6, figs 3-4. — Type locality: Cambodia. — Type age: Recent. — Type material: MNHN-IM-2000-1661, 1 syntype. *Contradens comptus* “(Deshayes & Jullien 1874)” (Konopleva *et al.* 2019: 5-7). — Current status: *Lens comptus* (Deshayes in Deshayes & Jullien, 1876) (J. M. Pfeiffer *et al.* 2021: 412-413).

*croisei*, *Unio* – Deshayes in Deshayes & Jullien, 1876: 124-125, 159, pl. 6, figs 5-7. — Type locality: Cambodia. — Type age: Recent. — Type material: MNHN-IM-2000-1668, 2 syntypes. Synonym of *Contradens contradens* (I. Lea, 1838) [*Unio*] (Do *et al.* 2018: 5). — Current status: synonym of *Lens micropterus* (Morelet, 1866) [*Unio*] (J. M. Pfeiffer *et al.* 2021: 418).

*cyreniformis*, *Unio* – Deshayes, 1858-TraitElem: 215. Replacement name for *Unio tumidus* [as *tumida*] J. de C. Sowerby, 1840 (explanation to pl. 47, figs 11-12), *non* Retzius, 1788. — Type locality: Decan Plateau, India. — Type age: Cretaceous. — Type material: BMNH-PIMB 953, lectotype; -952a-c, paralectotypes (Hartmann *et al.* 2008: 1245). However, this junior homonym was earlier renamed *Unio subtumidus* d'Orbigny, 1850b (d'Orbigny 1850b: 306, no. 172) and later unnecessarily renamed *Unio malcolmsoni* Hislop, 1860 (Hislop 1860: 174). — Current status: *Parreysia subtumida* (d'Orbigny, 1850).

*draparnaldi*, *Unio* – Deshayes, 1831b: 43, 262, pl. 14, fig. 6. — Type locality: Lower Brittany, small river. — Type age: Recent. Deshayes stated that he was naming this species for J. P. R. Draparnaud, so the name could be corrected to *U. draparnaudi*. Unnecessarily renamed *Unio littoralis* var. *subtriangularis* Drouët, 1898 (Drouët 1898: 41). — Current status: synonym of *Potomida littoralis* (Cuvier, 1798) [*Unio*] (Araujo *et al.* 2009: 28).

*draparnaudi*, *Unio* – see previous entry.

*durieui*, *Unio* – Deshayes, 1848-Algér: pl. 109, figs 5-8. — Type locality: Algeria. — Type age: Recent. — Type material: lost. — Current status: *Unio durieui* Deshayes, “1847” (Khalloufi *et al.* 2011: 108-111, figs 5A-D, 6A-E).

*fabagina*, *Unio* – Deshayes in Deshayes & Jullien, 1876: 128-129, 160, pl. 7, figs 4-6. — Type locality: Sombour, Mekong River, Cambodia, 10-15 cm. of water. — Type age: Recent. — Type material: MNHN-IM-2000-1694, 1 syntype. — Type species (OD) of *Unionella* F. Haas, 1913, *non* Etheridge, 1888. *Unionetta* F. Haas, 1913, replacement name. — Current status: *Unionetta fabagina* (Deshayes in Deshayes & Jullien, 1876) (Brandt 1974: 280).

*fellmanni*, *Unio* – Deshayes, 1848-Algér: pl. 108, figs 8-9, pl. 109, fig. 9, pl. 110, figs 1-5, pl. 111, figs 1-6, pl. 112, figs 1-4, pl. 113, figs 1-4, pl. 114, figs 1-8. — Type locality: Lac Obeira, Algeria (Daget 1998: 84-85). — Type age: Recent. — Current status: Synonym of *Potomida littoralis* (Cuvier, 1798) [*Unio*] (Khalloufi *et al.* 2011: 113, as “1847”).

*lucasi*, *Anodonta* – Deshayes, 1848-Algér: pl. 108, figs 1-3. — Type locality: “La Calle” [El Kala], Algeria. — Type age: Recent. Morelet (1851: 359) redescribed the Deshayes species, and the “holotype” in NHMUK, 1893.2.4.1950, is the specimen used by Morelet, not the original Deshayes specimen (Johnson 1971: 87, as “holotype” of Deshayes). — Current status: synonym of *Anodonta cygnea* (Linnaeus, 1758) [*Mytilus*] (Daget 1998: 19; Graf & Cummings 2020).

*michaudi*, *Unio* – Deshayes, 1858-DescrCoqFoss: 62, pl. 62, figs 1-5; 1860-DescrCoqFoss: 802-803. — Type locality: Cuis. — Type age:



Eocene (Ypresian). — Type species (OD) of *Propotomida* Modell, 1964. — Current status: *Palindonaia michaudi* (Deshayes, 1858) (Le Renard & Pacaud 1995: 80), now *Propotomida michaudi* (Deshayes, 1858).

*moreleti*, *Unio* – Deshayes, 1848-Algér: pl. 109, figs 1-4, pl. 112, fig. 5. — Type locality: Algeria. — Type age: Recent. — Type material: lost. — Type species (SD Graf, 2010) of *Moreletiana* Locard, 1889, which is now regarded as a synonym of *Unio*. — Current status: synonym of *Unio ravoisieri* Deshayes, 1848 (first reviser: Daget 1998: 91, both as “1847”).

*purpurea*, *Anodonta* – Deshayes, 1826b: 61. — Type locality: Nile River. — Type age: Recent. Not to be confused with *Anodonta purpurea* Valenciennes, 1827, type species of *Simpsonella* Cockerell, 1903. Valenciennes’ name could perhaps be maintained under ICZN Code Art. 23.9.1, or the next available name, *Simpsonella burroughiana* I. Lea, 1834, could be used. — Current status: synonym of *Mutela dubia* (Gmelin, 1791) [*Mytilus*] (Graf & Cummings 2020).

*ravoisieri*, *Unio* – Deshayes, 1848-Algér: pl. 108, figs 4-7. — Type locality: Lac Oubeira, near La Calle, Algeria (Daget 1998: 91). — Type age: Recent. — Type material: lost. — Current status: *Unio ravoisieri* Deshayes, 1848 (Graf & Cummings 2011: 24; Khalloufi et al. 2011: 108-110, figs 3-4, as “1847”).

*sculptus*, *Unio* – Deshayes, 1874b: 9-10, 12, pl. 2, fig. 3. — Type locality: Du Petchily, China. — Type age: Recent. — Type material: MNHN-IM-2000-1779, 6 syntype pairs, 1 syntype valve. Deshayes species is the same year as the Miocene *Unio sculptus* Brusina, 1874. While Brusina (1874) has not been pinned down to a specific date, Deshayes’ taxon was issued before August 1 and is thus senior. — Current status: synonym of *Nodularia douglasiae* (J. E. Gray, in Griffith & Pidgeon, 1833) (Graf & Cummings 2020).

*semialatus*, *Unio* – Deshayes in Deshayes & Jullien, 1876: 123-124, 159, pl. 6, figs 1-2. — Type locality: Arroyo de Peam-Chelang, Cambodia; rare. — Type age: Recent. — Type material: MNHN-IM-2000-1780, holotype. — Current status: synonym of *Physunio micropterus* (Morelet, 1866) [*Unio*] (Brandt 1974: 296), now *Lens micropterus* (Morelet, 1866) (J. M. Pfeiffer et al. 2021: 418).

*sempervivens*, *Anodonta* – Deshayes in Deshayes & Jullien, 1876: 120-123, 159, pl. 5, figs 4-5. — Type locality: Arroyo de Peam-Chelang, Cambodia; common. — Type age: Recent. — Type material: MNHN-IM-2000-1781, 4 syntypes. — Current status: synonym of *Pilsbryconcha exilis* (I. Lea, 1838) [*Anodonta*] (Graf & Cummings 2020), or of *Pilsbryconcha carinifera* (Conrad, 1837) (Jerathikul et al. 2022: 7, figs 3e-4, 4).

*wateleti*, *Unio* – Deshayes, 1858-DescrCoqFoss: 62, as *Unio* “*deshayesi* Watelet”, pl. 62, figs 9-13; 1860-DescrCoqFoss: 804; 1865-DescrCoqFoss: 666 [error noted]. — Type localities: Soissons & Vauxbuin. — Type age: Eocene (Ypresian). — Current status: *Palindonaia wateleti* (Deshayes, 1858) (Le Renard & Pacaud 1995: 80).



Purpurine – Blainville, 1826: 249, ex Deshayes ms. A vernacular, later latinized as *Purpurina* Herrmannsen, 1852, non d’Orbigny, 1850 [Gastropoda]. Herrmannsen’s genus, the type species (M) of which is *Anodonta purpurea* Valenciennes, 1827, is an objective synonym of *Simpsonella* Cockerell, 1903.

*tumida*, *Monocondylea* – Deshayes & Jullien, 1876: 117-120, pl. 5, figs 1-3, “ex Morelet ms”. This has been treated by some authors as a homonym of Morelet’s *Monodondylus tumida* Morelet, 1866 (Morelet 1866: 62), and then “renamed” *Pseudodon moreleti* Crosse & P. Fischer, 1876b (Crosse & Fischer 1876b: 330). However, Deshayes & Jullien clearly indicate they are discussing More-

let’s species, so it is a case of alleged misuse, not homonymy, and there is no such Deshayes & Jullien species. The misinterpretation was continued in Breure et al. (2022a: 161) and in some online databases. Morelet’s species is now treated as *Sundadontina tumida* (Morelet, 1866) in the Unionidae. Crosse & Fischer’s species is now treated as *Sundadontina moreleti* (Crosse & Fischer 1876b).

## Family LUCINIDAE J. Fleming, 1828

*Idotaea* – Deshayes, 1835-HistNatAnim2: 218; 1843-HistNatAnim3: 573. Incorrect subsequent spelling of *Idothea* Schumacher, 1817, now regarded as a synonym of *Fimbria* Megerle von Mühlfeld, 1811.

*Sphera* – Deshayes, 1832: 965. Incorrect subsequent spelling of *Sphaera* J. Sowerby, 1822, a recognized Cretaceous genus (Taylor & Glover, 2021: 285).

*amphidesmoides*, *Lucina* – Deshayes, 1832-EncyMeth: 375-376; 1833b: 231; 1835-HistNatAnim2: 228-229; 1843-HistNatAnim3: 576, both as a synonym of *Lucina* “*lactea* (Linnaeus, 1758)” [*Tellina*], a *nomen dubium*. — Type localities: Living in Europe; Faluns de Touraine, Bordeaux, Dax, Piémont & Sicily. — Type age: Miocene. — Current status: synonym of *Loripes orbiculatus* Poli, 1795 (Huber 2015: 74-75, 420), the type species of *Loripes* Poli, 1791, by subsequent monotypy (Poli, 1795) (Taylor & Glover 2021: 234).

*aurantia*, *Lucina* – Deshayes, 1832-EncyMeth: 384, ex Chemnitz ms; 1835-HistNatAnim2: 236; 1839-HistNatAnim3: 578; 1844-RegAnim: pl. 104, fig. 1, 1a. — Type locality: “India”. — Type age: Recent. — Type material: MNHN-IM-2000-30087, 4 syntypes. — Current status: the Caribbean *Lucina aurantia* Deshayes, 1832 (Redfern 2014: 384-385, fig. 1031; Huber 2015: 68, 414-415; Taylor & Glover 2016: 327-329, figs 2L, 13 – syntypes, 15E, 33F; Taylor & Glover 2021: 174-175).

*barbieri*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 43, pl. 43, figs 1-5; 1858-DescrCoqFoss: 651-652. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Type species (OD) of *Barbierella* Chavan, 1938. *Cavilucina* (*Barbierella*) *barbieri* (Deshayes, 1857) (Glibert & Van de Poel 1967: 41). — Current status: *Barbierella barbieri* (Deshayes, 1857) (Le Renard & Pacaud 1995: 76; Nevesskaja et al. 2013: 299, fig. 110-2; Taylor & Glover 2018: 129, figs 3A-D; Taylor & Glover 2021: 178-179, fig. 81a, 288).

*baudoni*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 43, pl. 43, figs 20-22; 1858-DescrCoqFoss: 639. — Type locality: Mouy. — Type age: Eocene (Lutetian). *Cavilucina* (*Monitilora*) *obliqua* [Defrance, 1823] *baudoni* (Deshayes, 1857) (Glibert & Van de Poel 1967: 39). *Monitilora baudoni* (Deshayes, 1857) (Pacaud 2008: 86). — Current status: *Monitilora obliqua* [Defrance, 1823] *baudoni* (Deshayes, 1857) (Le Renard & Pacaud 1995: 77; Taylor & Glover 2021: 139, fig. 66k).

*buvignieri*, *Corbis* – Deshayes, 1850-TraitElem: 801. — Type locality: Saint-Mihiel, France. — Type age: Jurassic (Oxfordian). Replacement name for *Corbis elegans* Buvignier, 1843 (Buvignier 1843: 228, pl. 3, figs 11-12), non Deshayes, 1839 (see below). — Current status: *Fimbria buvignieri* (Deshayes, 1850) (Buvignier 1852: 20, pl. 11, figs 1-4; Loriol et al. 1872a: 260-261; Loriol et al. 1891: 195-196; pl. 20, fig. 5; Monari 2003: 882).

*caillati*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 39, pl. 39, figs 1-2; 1858-DescrCoqFoss: 635-636. — Type localities: Thiverval-Grignon, Parnes, Mouchy-le-Châtel & Damery. — Type age: Eocene (Lutetian). — Current status: *Pseudomiltha caillati* (Deshayes, 1857) (Glibert & Van de Poel 1967: 38; Le Renard & Pacaud 1995: 76; Pacaud 2008: 86).

*cannabina*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 42, pl. 42, figs 26-28; 1858-DescrCoqFoss: 672. — Type locality: Mercinet-Vaux. — Type age: Eocene (Ypresian). — Current status: *Parvilucina* (*Parvilucina*) *cannabina* (Deshayes, 1857) (Le Renard & Pacaud 1995: 77).

*concava*, *Lucina* – Deshayes, 1825-DescrCoqFoss: 104, pl. 17, figs 8-9, ex DeFrance ms. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). In his account, he pointed to a chapter by DeFrance on fossil *Lucina* in the *Dictionnaire des Sciences Naturelles*, but this name does not appear there. — Type species (OD) of *Jagolucina* Chavan, 1937. — Current status: *Jagolucina concava* (Deshayes, 1925) (Le Renard & Pacaud 1995: 76).

*concinna*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 40, pl. 40, figs 4-6; 1858-DescrCoqFoss: 654-655. — Type localities: Abbecourt & Noailles. — Type age: Paleocene (Thanetian). Preoccupies *Lucina concinna* H. Adams, 1871. *Cavilucina* (*Monitilora*) *concinna* (Deshayes, 1857) (Glibert & Van de Poel 1967: 38). — Current status: *Monitilora* (*Monitilora*) *concinna* (Deshayes, 1857) (Le Renard & Pacaud 1995: 76; Taylor & Glover 2021: 138).

*concreta*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 43, pl. 43, figs 23-26; 1858-DescrCoqFoss: 668-669. — Type localities: Thiverval-Grignon & Jaignes. — Type age: Eocene (Lutetian-Bartonian). Synonym of *Phacoides* (*Callucina*) “*albellus*” (Lamarck, 1806) [*Lucina*; originally spelled *abella*] (Glibert & Van de Poel 1967: 21). *Parvilucina* (*Callucinella*) *albella* [Lamarck, 1806] *concreta* (Deshayes, 1857) (Le Renard & Pacaud 1995: 77). — Current status: *Parvilucina* (*Callucinella*) *concreta* (Deshayes, 1857) (Pacaud 2008: 86).

*consobrina*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 39, pl. 39, figs 7-8 [figs not listed in text]; 1858-DescrCoqFoss: 640; 1865-DescrCoqFoss: 665 [missing fig. citations noted]. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Pterolucina consobrina* (Deshayes, 1857) (Le Renard & Pacaud 1995: 77; Pacaud 2008: 86).

*contorta*, *Lucina* – Deshayes, 1825-DescrCoqFoss: 99-100, 8, pl. 16, figs 1-2, ex DeFrance ms; 1832-EncyMeth: 380; 1835-Hist-NatAnim2: 234; 1839-HistNatAnim3: 578; 1857-DescrCoqFoss: 645-646. — Type localities: Bracheux & Abbecourt. — Type age: Paleocene (Thanetian). Deshayes credited this species to DeFrance as “Def. Dict. des Scienc. Nat., tom 27”, but it does not appear by name there (DeFrance, 1823a). — Current status: *Gibbolucina* (*Eomiltha*) *contorta* (Deshayes, 1825) (Glibert & Van de Poel 1967: 36, as “DeFrance, 1823”; Le Renard & Pacaud 1995: 76, as “DeFrance in Deshayes”).

*contortula*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 40, pl. 40, figs 19-22; 1858-DescrCoqFoss: 646. — Type localities: Aizy-Jouy & Hérouval. — Type age: Eocene (Ypresian). *Gibbolucina* (*Eomiltha*) *contortula* (Deshayes, 1857) (Glibert & Van de Poel 1967: 36; Le Renard & Pacaud 1995: 76). — Current status: *Eomiltha contortula* (Deshayes, 1858) (Taylor & Glover 2018: 132).

*corrugata*, *Lucina* – Deshayes, 1843b: 2, pl. 82. — Type locality: “California” [Philippine Islands]. — Type age: Recent. — Type material: MNHN-IM-2000-20019, 3 syntypes. — Type species (OD) of *Pseudolucina* Chavan, 1947, non Wilckens, 1909; *Eamesiella* Chavan, 1951, replacement name, but now regarded as a synonym of *Austriella* Tenison Woods, 1881, the type species of which (M) is *A. sordida* Tenison Woods, 1881, a junior synonym of *Austriella corrugata* (Deshayes, 1843). Preoccupies *Lucina corrugata* Dunker, 1882. — Current status: *Austriella corrugata* (Deshayes, 1843) (Poppe & Tagaro, in Poppe 2011: 136, pl. 1063, figs 6-7; Neveškaja et al. 2013: 305, fig. 111-6, as *Eamesiella*; Huber 2015: 82, 429; Glover & Taylor 2016: 169, figs 47C, 48A-C; Matsukuma, in Okutani 2017: 1218, pl. 516, fig. 4; Taylor & Glover 2021: 176-177, fig. 80a, syntype).

*crenularis*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 42, pl. 42, figs 20-22; 1858-DescrCoqFoss: 665. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Callucina* (? *Callucina*) *crenularis* (Deshayes, 1857) (Le Renard & Pacaud 1995: 77).

*davidsoni*, *Fimbria* – Deshayes, 1857-DescrCoqFoss: 48, as *Corbis*, pl. 48, figs 33-35; 1858-DescrCoqFoss: 607. — Type localities: Abbecourt, Noailles & Bracheux. — Type age: Paleocene (Thanetian). — Current status: *Fimbria davidsoni* Deshayes, 1857 (Glibert & Van de Poel 1967: 14; Le Renard & Pacaud 1995: 75).

*decipiens*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 42, pl. 42, figs 1-3; 1858-DescrCoqFoss: 680. — Type localities: Châlons-sur-Vesle & Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). Synonym of *Ctena* (*Jagonoma*) *mutata* (Deshayes, 1857) (Glibert & Van de Poel 1967: 25). — Current status: *Jagonia* ? *decipiens* (Deshayes, 1857) (Le Renard & Pacaud 1995: 76).

*decorata*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 44, pl. 44, figs 26-28; 1858-DescrCoqFoss: 661-662, non S. V. Wood, 1851. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). *Lucina prepta* Bayan, 1873a (Bayan 1873a: 128), unnecessary replacement name (Cossmann 1887: 37), because it is a synonym of *Lucina requieni* (Deshayes, 1857). — Current status: *Callucina* (*Callucina*) *requieni* (Deshayes, 1857) (Le Renard & Pacaud 1995: 76, as “*requini*”).

*defrancei*, *Lucina* – Deshayes, 1857e: 105-107 [July]; 1857[15 November]-DescrCoqFoss: 39, pl. 39, figs 9-11 [fig. 11 not listed in text]; 1858-DescrCoqFoss: 644-645; 1865-DescrCoqFoss: 65 [error noted]. — Type localities: Laon, Mons-en-Laonnais, Hérouval, Retheuil, Mercinet-Vaux, Cuise-la-Motte, Brasles, Chaumont-en-Vexin, Parnes, Montmirail, Thiverval-Grignon, Damery, Boursault, Hermonville, Les Groux, Liancourt-Saint-Pierre, Vaudancourt & Arthon-en-Retz. — Type age: Eocene (Ypresian-Lutetian). *Lucina cuvieri* Bayan, 1870 (Bayan 1870: 128), was an unnecessary replacement name because *Lucina defranciana* d’Orbigny, 1846, does not preoccupy *Lucina defrancei* Deshayes, 1857. *Gibbolucina* (*Eomiltha*) *defrancei* (Deshayes, 1857) (Glibert & Van de Poel 1967: 36; Glibert 1980: 5-6, pl. 1, fig. 2, pl. 2, fig. 10; Le Renard & Pacaud 1995: 76; Pacaud 2008: 86; Courville et al. 2012: 59, pl. 1, fig. 12). — Current status: *Retrolucina defrancei* (Deshayes, 1857) (Taylor & Glover 2021: 170).

*depressa*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 39, pl. 39, figs 3-4; 1858-DescrCoqFoss: 636, non Morris & Lycett, 1853. — Type localities: Cuise-la-Motte, Cuisy-en-Almont & Hérouval. — Type age: Eocene (Ypresian). — Current status: *Pseudomiltha* (*Pseudomiltha*) *sherborni* Le Renard, 1994 (Le Renard 1994: 39) (Le Renard & Pacaud 1995: 76).

*detrita*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 40, pl. 40, figs 7-10; 1858-DescrCoqFoss: 654. — Type localities: Valmondois, Auvers-sur-Oise & Mary-sur-Marne. — Type age: Eocene (Bartonian). *Codakia* (*Epilucina*) *detrita* (Deshayes, 1857) (Glibert & Van de Poel 1967: 25; Le Renard & Pacaud 1995: 76).

*difficilis*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 42, pl. 42, figs 7-9; 1858-DescrCoqFoss: 663-664. — Type locality: Cuisy-en-Almont. — Type age: Eocene (Ypresian). *Cavilucina* (*Gonimyrtea*) *difficilis* (Deshayes, 1857) (Glibert & Van de Poel 1967: 40). — Current status: *Gonimyrtea difficilis* (Deshayes, 1857) (Le Renard & Pacaud 1995: 76).

*discors*, *Lucina* (*Strigilla*) – Deshayes, 1857-DescrCoqFoss: 47, pl. 47, figs 25-27; 1858-DescrCoqFoss: 630. — Type localities: Abbecourt, Noailles, Aizy-Jouy, Hérouval, Laon, Mons-en-Laonnois & Cuise-la-Motte. — Type age: Eocene (Thanetian-Ypresian). *Bourdotia discors* (Deshayes, 1857) (Glibert & Van de Poel 1967: 48). — Current status: synonym of *Boewia subdivaricata* (d’Orbigny, 1850) [*Lucina*] (Pacaud 2007: 59).



*dujardinii*, *Lucina* – Deshayes, 1850-TraitElem: 783. — Type localities: Turin & Touraine. — Type age: Miocene (Langhian). *Loripes lacteus* [Linnaeus, 1758] *dujardini* (Deshayes, 1850) (Glibert & Van de Poel 1967: 29). — Current status: *Loripes dujardini* (Deshayes, 1850) (Taylor & Glover 2021: 235).

*eburnea*, *Lucina* – Deshayes, 1835a: 321, *nomen nudum* and thus not preoccupying *Lucina eburnea* Reeve, 1850, a Recent *Divalinga*.

*elegans*, *Corbis* – Deshayes, 1839-TraitElem: 10, pl. 15, figs 7-9; 1844-RegAnim: pl. 102, fig. 1, 1a; 1850-TraitElem: 803-804. — Type locality: Philippines. — Type age: Recent. — Current status: possible senior synonym of *Fimbria soverbii* (Reeve, 1842) [*Corbis*] (Huber 2015: chapter 5 on CD, with Deshayes species dated from the 1844 fig. and listed as a junior synonym); while pl. expl. p. 10 appeared in 1839, it is not certain when pl. 15 was issued, but it would be reasonable to think it appeared at the same time as its explanation.

*emendata*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 40, pl. 40, figs 25-27; 1858-DescrCoqFoss: 653. — Type localities: Thiverval-Grignon, Beynes & Parnes. — Type age: Eocene (Lutetian). — Current status: synonym of *Codakia (Epilucina) concentrica* (Lamarck, 1806) [*Lucina*] (Glibert & Van de Poel 1967: 24).

*evanida*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 41, pl. 41, figs 10-13. — Type locality: none given, presumably Paris Basin. — Type age: probably Eocene. — Current status: *taxon inquirendum*.

*foucardi*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 41, pl. 41, figs 14-17; 1858-DescrCoqFoss: 666. — Type localities: Noailles & Hérouval. — Type age: Paleocene-Eocene (Thanetian-Ypresian). — Type species (OD) of *Callucinopsis* Chavan, 1959. *Phacoides (Callucinopsis) foucardi* (Deshayes, 1857) (Glibert & Van de Poel 1967: 23). — Current status: *Callucina (Callucinopsis) foucardi* (Deshayes, 1857) (Le Renard & Pacaud 1995: 77).

*gibbia*, *Lucina* – Deshayes, 1844d: 1, pl. 107. — Type locality: Sumatra. — Type age: Recent. — Type material: not found. — Current status: possibly a juvenile of *Scabrilucina vitrea* (Deshayes, 1844) [*Lucina*] (Huber 2015: 429-430; Glover & Taylor 2016: 175).

*gigantea*, *Lucina* – Deshayes, 1825-DescrCoqFoss: 91-92, 7, pl. 15, figs 11-12; 1826-DictClass9: 529; 1832-EncyMeth: 373; 1835-Hist-NatAnim2: 231; 1839-HistNatAnim3: 577; 1850-TraitElem: 781; 1858-DescrCoqFoss: 634-635. — Type localities: Parnes, Mouchy-le-Châtel, Liancourt-Saint-Pierre & Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Type species (M) of *Pseudomiltha* P. Fischer, 1887. — Current status: *Pseudomiltha gigantea* (Deshayes, 1825) (Le Renard & Pacaud 1995: 76; Pacaud 2008: 86; Nevesskaja et al. 2013: 305, fig. 110-16; Taylor & Glover 2021: 288).

*globulosa*, *Lucina* – Deshayes, 1832-EncyMeth: 373. — Type locality: Bordeaux. — Type age: Miocene (Burdigalian). *Anodonta globulosa* (Deshayes, 1832) (Glibert & Van de Poel 1967: 43, as “1830”). — Current status: *Meganodontia globulosa* (Deshayes, 1832) (Taylor & Glover 2021: 79).

*goldfusi*, *Lucina* – Deshayes, 1850-TraitElem: 779. Replacement name for *Lucina obliqua* Goldfuss, 1840 (Goldfuss 1840: 228, pl. 146, fig. 14), *non* Defrance, 1823. — Type locality: Nattheim, Germany. — Type age: Jurassic (Oxfordian “Coral-rag”). Clearly named to honor Goldfuss, this species name should be corrected to *L. goldfusi*, as was done in the treatment by Thurmann & Étallon (1862: 197-198, pl. 24, fig. 3) (ICZN Code Art. 32.5). *Lucina obliqua* Reeve, 1850, also preoccupied, was renamed *Epicodakia obliquata* Huber, 2015. — Current status: *taxon inquirendum*.

*grata*, *Lucina* – Deshayes, 1825-DescrCoqFoss: 101-102, 8, pl. 16, figs 5-6, *ex* Defrance ms; 1832-EncyMeth: 381; 1857-DescrCoqFoss:

654-655. — Type localities: Bracheux & Abbecourt. — Type age: Paleocene (Thanetian). Deshayes credited this species to Defrance as “Def., Dict. des Sc. Nat., tom 27”, but it does not appear by name there (Defrance, 1823a). — Current status: *Monitilora (Prophetilora) grata* (Deshayes, 1825) (Le Renard & Pacaud 1995: 76, as “Defrance in Deshayes”).

*gravesii*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 44, pl. 44, figs 29-30; 1858-DescrCoqFoss: 656. — Type locality: Abbecourt. — Type age: Paleocene (Thanetian). — Current status: *Monitilora (Prophetilora) gravesii* (Deshayes, 1857) (Le Renard & Pacaud 1995: 76), possibly part of *Codakia* stem group (Taylor & Glover 2021: 150).

*heberti*, *Lucina* – Deshayes, 1850-TraitElem: 782; 1857-DescrCoqFoss: 42, pl. 42, figs 4-6; 1858-DescrCoqFoss: 647. New species based on *Lucina saxorum* Lamarck, 1806, of Goldfuss, 1841 (Goldfuss 1841: 230-231, pl. 147, fig. 4), *non* Lamarck, 1806. — Type localities: Jeurre, Étréchy, Morigny-Champigny, Ormoy-la-Rivière, Bünde & Alzey. — Type age: Oligocene (Rupelian). Deshayes (1850-TraitElem: 781): “*Le Lucina saxorum de Goldfuss est une espèce distincte propre aux sables de Fontainebleau et du Limbourg*”. — Type material: MNHN.FJ10592, syntype. *Megaxinus (Pterolucina) heberti* (Deshayes, 1850) (Glibert & Van de Poel 1967: 31, as “1857”). — Current status: *Saxolucina heberti* (Deshayes, 1850) (Lozouet & Maestrati 2012a: 250, 253, fig. 160: 1-4, as “1857”).

*hermonvillensis*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 40, pl. 40, figs 15-18; 1858-DescrCoqFoss: 660. — Type localities: Parnes, Thiverval-Grignon, Chamery, Damery, Fleury-la-Rivière, Hermonville, Mouy, Cumières, Boursault & La Ferté-sous-Jouarre. — Type age: Eocene (Lutetian-Bartonian). *Phacoides (Callucina) hermonvillensis* (Deshayes, 1857) (Glibert & Van de Poel 1967: 22). — Current status: *Callucina (Callucina) hermonvillensis* (Deshayes, 1857) (Le Renard & Pacaud 1995: 76; Pacaud 2008: 86).

*hornesi*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 43, pl. 43, figs 6-9; 1858-DescrCoqFoss: 661. — Type localities: Houdan & Damery. — Type age: Eocene (Lutetian). Synonym of *Phacoides (Callucina) hermonvillensis* (Deshayes, 1857) (Glibert & Van de Poel 1967: 22, as *L. “hoermesi”*). — Current status: *Callucina hornesi* (Deshayes, 1857) (Le Renard & Pacaud 1995: 76). Not *Callucina* (Taylor & Glover 2021: 91).

*hosdenacensis*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 40, pl. 40, figs 11-14; 1858-DescrCoqFoss: 650-651. — Type locality: Houdan. — Type age: Eocene (Lutetian). — Current status: *Saxolucina hosdenacensis* (Deshayes, 1857) (Le Renard & Pacaud 1995: 76; Pacaud 2008: 86).

*inaequilatera*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 44, pl. 44, figs 9-11; 1858-DescrCoqFoss: 677. — Type localities: Châlons-sur-Vesle & Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Current status: *Callucina* (? *Callucina*) *inaequilatera* (Deshayes, 1857) (Le Renard & Pacaud 1995: 76).

*inornata*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 43, pl. 43, figs 33-35 [text as pl. 63]; 1858-DescrCoqFoss: 670-671; 1865-DescrCoqFoss: 665 [error noted]. — Type localities: Beauchamp, Montagny-en-Vexin, Ver-sur-Launette, Ézanville, Le Ménil-Aubry, Le Guépelle & Le Fayel. — Type age: Eocene (Bartonian). *Lucina (Parvilucina) inornata* (Deshayes, 1857) (Glibert & Van de Poel 1967: 18). — Current status: *Nevenulora inornata* (Deshayes, 1857) (Le Renard & Pacaud 1995: 77), but probably incorrect (Taylor & Glover 2021: 242).

*lactoides*, *Lucina* – Deshayes, 1846-Algér: pl. 80, figs 1-4, 7-8. — Type locality: Algeria. — Type age: Recent. — Current status: synonym of *Loripes orbiculatus* Poli, 1795 (Huber 2015: chapter 5 on CD).

*latebrosa*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 42, pl. 42, figs 29-31; 1858-DescrCoqFoss: 671. — Type locality: Hérouval. — Type age: Eocene (Ypresian). *Lucina* (*Parvilucina*) *latebrosa* (Deshayes, 1857) (Glibert & Van de Poel 1967: 18). — Current status: *Nevenulora latebrosa* (Deshayes, 1857) (Le Renard & Pacaud 1995: 77), the latter generic assignment probably incorrect (Taylor & Glover 2021: 242).

*levesquei*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 41, pl. 41, figs 18-21; 1858-DescrCoqFoss: 667, ex d'Orbigny ms. — Type localities: Mercin-et-Vaux, Bourguignon, Laon, Cuise-la-Motte, Hérouval & Houdainville & Baudon. — Type age: Eocene (Ypresian). — Type species (OD) of *Herella* Chavan, 1942. *Cavilucina* (*Herella*) *levesquei* (Deshayes, 1857) (Glibert & Van de Poel 1967: 41). *Here* (*Herella*) *levesquei* (Deshayes, 1857) (Le Renard & Pacaud 1995: 76). — Current status: *Herella levesquei* (Deshayes, 1857) (Taylor & Glover 2021: 212, 288).

*lobulata*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 42, pl. 42, figs 23-25; 1858-DescrCoqFoss: 670. — Type locality: Damery. — Type age: Eocene (Lutetian). — Current status: *Parvilucina* (*Parvilucina*) *lobulata* (Deshayes, 1857) (Le Renard & Pacaud 1995: 77; Pacaud 2008: 86).

*luteola*, *Lucina* – Deshayes, 1846-Algér: pl. 78, figs 1-3. — Type locality: Algeria. — Type age: Recent. — Current status: synonym of *Loripes orbiculatus* Poli, 1795 (Kantor & Sysoev 2005: 347).

*mayeri*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 45, pl. 45, figs 4-6; 1858-DescrCoqFoss: 677-678. — Type locality: Auvers-sur-Oise. — Type age: Eocene (Bartonian). — Current status: *Parvilucina* (? *Parvilucina*) *mayeri* (Deshayes, 1857) (Le Renard & Pacaud 1995: 76).

*menardi*, *Lucina* – Deshayes, 1825-DescrCoqFoss: 94-95, 8, pl. 16, figs 13-14; 1832-EncyMeth: 374; 1835-HistNatAnim2: 232; 1839-HistNatAnim3: 577; 1858-DescrCoqFoss: 640. — Type locality: Maulette. — Type age: Eocene (Lutetian). 1826-DictClass9: 529-530. *Megaxinus* (*Pterolucina*) *menardi* (Deshayes, 1825) (Glibert & Van de Poel 1967: 31). — Current status: *Pterolucina menardi* (Deshayes, 1825) (Le Renard & Pacaud 1995: 76; Pacaud 2008: 86).

*michelini*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 45, pl. 45, figs 1-3; 1858-DescrCoqFoss: 679-680. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). Preoccupies *L. michelini* Coquand, 1859. — Current status: *Lucina termieri* Cossmann, 1904b (Cossmann 1904b: 198), unnecessary replacement name.

*microdonta*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 41, pl. 41, figs 22-24; 1858-DescrCoqFoss: 667-668. — Type localities: Cuise-la-Motte, Cuisy-en-Almont & Hérouval. — Type age: Eocene (Ypresian). — Current status: *Gibbolucina* (*Gibbolucina*) *microdonta* (Deshayes, 1857) (Glibert & Van de Poel 1967: 37; Le Renard & Pacaud 1995: 77).

*minuata*, *Lucina* – Deshayes, 1863: 20-21, pl. 3, figs 4-7. — Type locality: La Réunion. — Type age: Recent. — Current status: *Épicodakia minuata* (Deshayes, 1863) (Huber 2015: 91, 441; Taylor & Glover 2021: 156-158, fig. 72k).

*minuta*, *Lucina* – Deshayes, 1825-DescrCoqFoss: 104, 8, pl. 17, figs 15-16; 1832-EncyMeth: 382; 1858-DescrCoqFoss: 662. — Type locality: Abbecourt. — Type age: Paleocene (Thanetian). — Current status: *Callucina* (? *Callucina*) *minuta* (Deshayes, 1857) (Le Renard & Pacaud 1995: 77).

*multilamellata*, *Lucina* – Deshayes, 1832-EncyMeth: 377; 1835-HistNatAnim2: 232; 1839-HistNatAnim3: 577. — Type locality: Bordeaux. — Type age: Miocene (Burdigalian). — Type material: UCBL-EM 35378, syntypes. *Megaxinus* (*Armimiltha*) *multilamellatus* (Deshayes, 1832) (Glibert & Van de Poel 1967: 32, as “1830”). — Current status: *Armimiltha multilamellata* (Deshayes, 1832) (Lesport et al. 2019: 15-16, pl. 4, figs 1-5, text-fig. 12, as “1830”).

*mutata*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 41, pl. 41, figs 7-9; 1858-DescrCoqFoss: 679. — Type localities: Jonchery-sur-Vesle & Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). *Ctena* (*Jagonoma*) *mutata* (Deshayes, 1857) (Glibert & Van de Poel 1967: 25). — Current status: *Jagonoma mutata* (Deshayes, 1857) (Le Renard & Pacaud 1995: 76).

*nana*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 42, pl. 42, figs 10-12; 1858-DescrCoqFoss: 674. — Type locality: Rilly-la-Montagne. — Type age: Eocene (Ypresian). — Current status: *Parvilucina* (*Parvilucina*) *nana* (Deshayes, 1857) (Le Renard & Pacaud 1995: 77).

*notata*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 42, pl. 42, figs 32-35; 1858-DescrCoqFoss: 663. — Type localities: Rilly-la-Montagne & Vauxbuin. — Type age: Eocene (Ypresian). — Current status: *Callucina* (? *Callucina*) *notata* (Deshayes, 1857) (Le Renard & Pacaud 1995: 77).

*omaliusi*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 48, pl. 48, figs 4-6; 1858-DescrCoqFoss: 642. — Type locality: Étréchy. — Type age: Oligocene (Rupelian). *Megaxinus omaluisi* (Deshayes, 1857) (Glibert & Van de Poel 1967: 33; Lozouet & Maestrati 2012a: 250, 253, fig. 160: 9-12; Taylor & Glover, 2021: 240). — Current status: *Pygophysema omaluisi* (Deshayes, 1858) (Marquet et al. 2012: 44, pl.15, fig. 1).

*orbicularis*, *Lucina* – Deshayes, 1833b: 231, “pl. 2, figs 6-7”, *nomen nudum*; 1835b: 95-96, pl. 22, figs 6-8; 1850-TraitElem: 786. — Type locality: Peloponnese Peninsula, Greece. — Type age: Subapennine Formation, Pliocene. Not to be confused with *Venus orbicularis* Linnaeus, 1758, a Caribbean *Codakia Phacoides* (*Phacoides*) *orbicularis* (Deshayes, 1836) (Glibert & Van de Poel 1967: 21, as “1836”). *Lucina orbicularis* Deshayes, 1835 (Monegatti & Raffi 2001: 184; Cárđinas et al. 2017: 375, 381, fig. 7i, without giving author or date). — Current status: *Dentilucina orbicularis* (Deshayes, 1835) (Taylor & Glover 2021: 226).

*parnensis*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 45, pl. 45, figs 11-13; 1858-DescrCoqFoss: 643-644. — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Anodontia parnensis* (Deshayes, 1857) (Glibert & Van de Poel 1967: 43; Le Renard & Pacaud 1995: 77; Pacaud 2008: 86).

*planulata*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 40, pl. 40, figs 1-3; 1858-DescrCoqFoss: 655. — Type localities: Abbecourt & Noailles. — Type age: Paleocene (Thanetian). — Current status: *Monitilora* (*Monitilora*) *planulata* (Deshayes, 1857) (Le Renard & Pacaud 1995: 76).

*prevosti*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 41, pl. 41, figs 31-32; 1858-DescrCoqFoss: 678. — Type localities: Jonchery-sur-Vesle & Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). Deshayes 1858: 552. Synonym of *Ctena* (*Jagonoma*) *mutata* (Deshayes, 1857) (Glibert & Van de Poel 1967: 25). — Current status: *Jagonoma prevosti* (Deshayes, 1857) (Le Renard & Pacaud 1995: 76).

*prona*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 44, pl. 44, figs 1-4; 1858-DescrCoqFoss: 658. — Type localities: Châlons-sur-Vesle, Jonchery-sur-Vesle, Noailles & Abbecourt. — Type age: Paleocene (Thanetian). *Cavilucina* (*Gonimyrtea*) *prona* (Deshayes, 1857) (Glibert & Van de Poel 1967: 40). — Current status: *Gonimyrtea prona* (Deshayes, 1857) (Le Renard & Pacaud 1995: 76).

*proxima*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 41, pl. 41, figs 1-3; 1858-DescrCoqFoss: 649. — Type localities: Cuise-la-Motte & Hérouval. — Type age: Eocene (Ypresian). *Megaxinus* (*Saxolucina*) *proximus* (Deshayes, 1857) (Glibert & Van de Poel 1967: 29). — Current status: *Saxolucina proxima* (Deshayes, 1857) (Le Renard & Pacaud 1995: 76).



*pusilla*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 43, pl. 43, figs 30-32; 1858-DescrCoqFoss: 671-672. — Type localities: Mouchy-le-Châtel, Chaussy & Parnes. — Type age: Eocene (Lutetian). *Loripes* (*Microloripes*) *pusillus* (Deshayes, 1857) (Glibert & Van de Poel 1967: 28). — Current status: *Parvilucina* (*Parvilucina*) *pusilla* (Deshayes, 1857) (Le Renard & Pacaud 1995: 77; Pacau 2008: 86).

*reevei*, *Lucina* – Deshayes, 1863: 19-20, pl. 3, figs 8-9. — Type locality: La Réunion. — Type age: Recent. — Current status: *Ctena reevei* (Deshayes, 1863) (Huber 2015: 89-90, 438; Taylor & Glover 2021: 151).

*requieni*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 41, pl. 41, figs 28-30; 1858-DescrCoqFoss: 662-663, as *L. raquieni*, both as ex Levesque ms. *Lucina raquini* Graves, 1847 (Graves 1847: 283), is a *nomen nudum*. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Phacoides* (*Callucina*) *requieni* (Deshayes, 1857) (Glibert & Van de Poel 1967 23, as *P. (C.) “requieni”* and as “Levesque in Deshayes”). *Callucina* (*Callucina*) *requieni* (Deshayes, 1857) (Le Renard & Pacaud 1995: 76 “*raquini*”).

*rigaultiana*, *Lucina* (*Strigilla*) – Deshayes, 1857-DescrCoqFoss: 47, pl. 47, figs 28-30; 1858-DescrCoqFoss: 631-632. — Type localities: Le Guépelle, Ver-sur-Launette, La Ferté-sous-Jouarre, Caumont, Saméron, Mary-sur-Marne, Beauval, Vendrest, Acy-en-Multien, Auvers-sur-Oise, Antilly, Crouy, Verneuil, France & Barton-on-Sea (England). — Type age: Eocene (Bartonian). — Type species (OD) of *Stchepinskya* Chavan, 1951. — Current status: *Divalinga* (*Stchepinskya*) *rigaultiana* (Deshayes, 1857) (Glibert & Van de Poel 1967: 46; Le Renard & Pacaud 1995: 77; Pacaud 2008: 87). *Stchepinskya* is now regarded as a synonym of *Divalinga* Chavan, 1951 (Taylor & Glover 2021: 199).

*scalaris*, *Lucina* – Deshayes, 1825-DescrCoqFoss: 96-97, 7, pl. 15, figs 7-8, ex Defrance ms; 1832-EncyMeth: 378. — Type locality: Abbecourt. — Type age: Paleocene (Thanetian). For other original localities, Ferme de l’Orme, Thiverval-Grignon, Parnes, Liancourt-Saint-Pierre, Châteaurouge, the species present is *Cal-lucina hermonvillensis* (Deshayes, 1857) (Pacaud herein). *Phacoides* (*Callucina*) *scalaris* (Deshayes, 1825) (Glibert & Van de Poel 1967: 23, as “Defrance in Deshayes”). — Current status: *Callucina* (*Cal-lucina*) *scalaris* (Deshayes, 1825) (Le Renard & Pacaud 1995: 76).

*secunda*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 41, pl. 41, figs 4-6; 1858-DescrCoqFoss: 650. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian) – Current status: *Saxolucina proxima* [Deshayes, 1857] *secunda* (Deshayes, 1857) (Le Renard & Pacaud 1995: 76).

*seminulum*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 44, pl. 44, figs 5-8; 1858-DescrCoqFoss: 673-674. — Type localities: Mercin-et-Vaux, Hérouval, Abbecourt & Noailles. — Type age: Paleocene-Eocene (Thanetian-Ypresian). *Lucina* (*Parvilucina*) *seminulum* (Deshayes, 1857) (Glibert & Van de Poel 1967: 19). — Current status: *Parvilucina* (*Parvilucina*) *seminulum* (Deshayes, 1857) (Le Renard & Pacaud 1995: 77; Jeffery & Tracey 1997: 80, 87, pl. 4, figs 7-10).

*sismondae*, *Lucina* – Deshayes, 1850-TraitElem: 786. New species based on *Lucina globosa* (Gmelin, 1791), of *Sismonda*, 1842 (*Sismonda* 1842: 17), *non* (Gmelin, 1791) [*Venus*]. — Type locality: Asti, Italy. — Type age: Pliocene. — Current status: synonym of *Lucina fragilis* Philippi, 1836 (Cossmann & Peyrot 1912c: 634, pl. 26, figs 52-55), also placing it in the Miocene.

*sparnacensis*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 44, pl. 44, figs 31-34; 1858-DescrCoqFoss: 651. — Type localities: Épernay & Rilly-la-Montagne. — Type age: Eocene (Ypresian). *Megaxinus* (*Saxolucina*) *proximus* [Deshayes, 1857] *sparnacensis* (Deshayes, 1857) (Glibert & Van de Poel 1967: 30). — Current status: *Saxolucina proxima* [Deshayes, 1857] *sparnacensis* (Deshayes, 1857) (Le Renard & Pacaud 1995: 76).

*sphaericula*, *Lucina* – Deshayes, 1858-DescrCoqFoss: 643, 45, pl. 45, figs 7-10. — Type locality: Parnes. — Type age: Eocene (Lutetian). *Lucina sphaericula* Deshayes, 1858 (Cossmann & Peyrot 1912c: 639). — Current status: synonym of *Anodontia renulata* Lamarck, 1806 (Le Renard & Pacaud 1995: 77).

*spisula*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 43, pl. 43, figs 17-19; 1858-DescrCoqFoss: 659. — Type localities: Thiverval-Grignon & Damery. — Type age: Eocene (Lutetian). — Current status: *Here* (*Herella*) *spisula* (Deshayes, 1857) (Le Renard & Pacaud 1995: 76; Pacaud 2008: 86).

*squamula*, *Lucina* – Deshayes, 1825-DescrCoqFoss: 105, 8, pl. 17, figs 17-18. — Type localities: Retheuil & near Soissons. — Type age: Eocene (Ypresian). 1858-DescrCoqFoss: 681. *Phacoides* (*Phacoides*) *squamula* (Deshayes, 1825) (Glibert & Van de Poel 1967: 21). — Current status: *Callucina* (? *Callucina*) *squamula* (Deshayes, 1825) (Le Renard & Pacaud 1995: 76).

*striatella*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 43, pl. 43, figs 27-29; 1858-DescrCoqFoss: 673. — Type localities: Mouchy-le-Châtel & Chaussy. — Type age: Eocene (Lutetian). Synonym of *Lucina pusilla* (*Dentilucina*) Deshayes, 1857 (Cossmann 1887: 39). — Current status: *Parvilucina* (*Parvilucina*) *pusilla* (Deshayes, 1857) (Le Renard & Pacaud 1995: 77).

*subcircularis*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 40, pl. 40, figs 23-24; 1858-DescrCoqFoss: 637. — Type locality: Aizy-Jouy. — Type age: Eocene (Ypresian). — Current status: *Pseudomiltha subcircularis* (Deshayes, 1857) (Le Renard & Pacaud 1995: 76).

*sublobata*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 43, pl. 43, figs 10-12; 1858-DescrCoqFoss: 669. — Type localities: Hermonville & Boursault. — Type age: Eocene (Lutetian). — Current status: Synonym of *Phacoides* (*Callucina*) “*albellus*” (Lamarck, 1806) [*Lucina*; originally spelled *abella*] (Glibert & Van de Poel 1967: 21).

*subtrigona*, *Lucina* – Deshayes, 1825-DescrCoqFoss: 95, 8, pl. 16, figs 15-16; 1832-EncyMeth: 377; 1858-DescrCoqFoss: 658-659. — Type locality: Abbecourt. — Type age: Paleocene (Thanetian). — Current status: *Gonimyrtea subtrigona* (Deshayes, 1825) (Le Renard & Pacaud 1995: 76).

*tabulata*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 45, pl. 45, figs 17-21; 1858-DescrCoqFoss: 676. — Type localities: Mouy & Caumont. — Type age: Eocene (Lutetian-Bartonian). — Type species (OD) of *Gradilucina* Cossmann, 1902, a synonym of *Volupia* Defrance, 1829. Thus, *Volupia tabulata* (Deshayes, 1857) (Taylor & Glover 2021: 256, 288). — Current status: synonym of *Volupia rugosa* Defrance, 1829 (Le Renard & Pacaud 1995: 77).

*tenuis*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 45, pl. 45, figs 14-16; 1858-DescrCoqFoss: 644, *non* J. Müller, 1851. Both preoccupy *Lucina tenuis* Philippi, 1887, which has not been renamed (Coan & Kabat 2017: 74). — Type localities: Thiverval-Grignon, Parnes & Fontenay-Saint-Père. — Type age: Eocene (Lutetian). — Current status: *Anodontia* (*Anodontia*) *gentili* Cossmann, 1904b (Cossmann 1904b: 198), replacement name (Le Renard & Pacaud 1995: 77).

*trigonus*, *Lucina* – Deshayes, 1832-EncyMeth: 382-383. — Type locality: Bordeaux. — Type age: Miocene (Burdigalian). — Current status: *Gibbolucina trigonus* (Deshayes, 1832) (Glibert & Van de Poel 1967: 37; Taylor & Glover 2021: 211-212, fig. 98b).

*turgidula*, *Lucina* – Deshayes, 1857-DescrCoqFoss: 43, pl. 43, figs 13-16; 1858-DescrCoqFoss: 674. — Type localities: Houdan, Fleury-la-Rivière & Boursault. — Type age: Eocene (Lutetian). *Lucina* (*Parvilucina*) *turgidula* (Deshayes, 1857) (Glibert & Van de Poel 1967: 19). — Current status: *Parvilucina* (*Parvilucina*) *turgidula* (Deshayes, 1857) (Le Renard & Pacaud 1995: 77; Pacaud 2008: 86).

*umbilicata*, *Lucina* – Deshayes, 1857-*DescrCoqFoss*: 41, pl. 41, figs 25-27; 1858-*DescrCoqFoss*: 665-666. — Type locality: Abbecourt. — Type age: Paleocene (Thanetian). *Phacoides* (*Callucinopsis*) *umbilicatus* (Deshayes, 1857) (Glibert & Van de Poel 1967: 23). — Current status: *Callucina* (*Callucinopsis*) *umbilicata* (Deshayes, 1857) (Le Renard & Pacaud 1995: 77).

*virginea*, *Lucina* – Deshayes, 1832-*EncyMeth*: 379; 1835-*HistNatAnim2*: 234; 1843-*HistNatAnim3*: 577-578. — Type locality: Amboine, Indonesia; Mr. Lesson. — Type age: Recent. — Type material: MNHN-IM-2000-20815, holotype. — Type species (OD) of *Discolucina* Glover & Taylor, 2007. *Discolucina virginea* (Deshayes, 1832) (Poppe & Tagaro, in Poppe 2011: 150, pl. 1070, fig. 1, holotype; Huber 2015: 419; Glover & Taylor 2016: 149, figs 38B, 39A; Taylor & Glover 2021: 197-198, fig. 91a, holotype).

*vitrea*, *Lucina* – Deshayes, 1844d: 2, pl. 106. — Type locality: Sumatra; Mr. Martin. — Type age: Recent. — Type material: not found. — Current status: *Scabrilucina vitrea* (Deshayes, 1844) (Glover & Taylor 2016: 175; Taylor & Glover 2021: 271-272, fig. 128f).

*voorhoevei*, *Lucina* – Deshayes, 1857e: 106-107, 404, pl. 2, fig. 1. — Type locality: none given [Mozambique]; Bernardi. — Type age: Recent. *Retrolucina voorhoevei* (Deshayes, 1857). — Type species (OD) of *Retrolucina* Taylor & Glover, 2018. — Current status: *Retrolucina voorhoevei* (Deshayes, 1957) (Heukelom 1866; Huber 2015: 106, 458; Taylor & Glover 2018: 132-136, figs 6A-H, 7A-b; Taylor & Glover 2021: 170-171, fig. 78a-e).

*argus*, *Lucina* – Deshayes, 1858-*DescrCoqFoss*: 637-638, 39, pl. 39, figs 5-6. Made available by Melleville (1843: 80 [33-34, 85], pl. 6, figs 1-2, 2 bis). — Type locality: Laon. — Type age: Eocene (Ypresian). — Current status: *Pseudomiltha argus* (Melleville, 1843).

*cordiformis*, *Venus* – Leymerie, 1841: 341, *nomen nudum*; 1842: 5, 25, pl. 5, figs 8a-b, *ex* Deshayes ms. — Type localities: Vendevuresur-Barse & Marolles-sous-Lignièrès. — Type age: Cretaceous (Hauterivian). — Type species (M) of *Palaeocorbis* Conrad, 1869, which has been regarded as a synonym of *Sphaera* J. Sowerby, 1822.

*elegans*, *Monitilora* – Pacaud (2008: 86) listed *Monitilora elegans* (Deshayes, 1857), an error for *Lucina elegans* DeFrance, 1823.

*imbricataria*, *Lucina* – Leymerie, 1841: 341, *nomen nudum*; 1842: 4, 24, pl. 5, fig. 2a-b, *ex* Deshayes ms. — Type localities: Marolles-sous-Lignièrès & Avalleur. — Type age: Cretaceous (Hauterivian). Listed by Arkadiev (2020: 68-69, 120, pl. 9, figs 3-4) as *Cardium imbricatarium* (Leymerie, 1842), as “Deshayes”, but it more likely belongs in the Lucinidae.

*lupinus*, *Lucina* – Strickland, in Hamilton & Strickland, 1847: 110, *ex* Deshayes ms, *nomen nudum*, in synonymy of *Lucina spinifera* (Montagu, 1803) [*Venus*].

*mitis*, *Lucina* – J. de C. Sowerby, 1829: 107, pl. 557, fig. 1, *ex* Deshayes ms. — Type locality: Barton Cliff, Hampshire, England. — Type age: Late Eocene.

*undulata*, *Lucina* – Taylor & Glover (2021: 236), mistakenly credited this species to Deshayes, but its author was Lamarck, 1806.

#### Family THYASIRIDAE Dall, 1900 [1895]

*brongniarti*, *Lucina* (*Axinus*) – Deshayes, 1857-*DescrCoqFoss*: 44, pl. 44, figs 23-25; 1858-*DescrCoqFoss*: 634. — Type locality: Abbecourt. — Type age: Paleocene (Thanetian). — Current status: *Thyasira brongniarti* (Deshayes, 1857) (Glibert & Van de Poel 1967: 13; Le Renard & Pacaud 1995: 76).

#### Family CARDINIIDAE Zittel, 1881

*donaciformis*, *Cardinia* – Deshayes, 1858-*TraitElem*: 230. — Type locality: Trouville (Manche). — Type age: Jurassic. — Current status: *nomen dubium*.

*heberti*, *Cardinia* – Deshayes, 1858-*TraitElem*: 231. — Type locality: Manche. — Type age: Jurassic. — Current status: *nomen dubium*.

*laevigata*, *Cardinia* – Deshayes, 1858-*TraitElem*: 231. Replacement name for *Cardinia laevis* Agassiz, 1843 (Agassiz 1843: 226; 285, as *C. “laevis”*, pl. 12, figs 13-15), *non* (Münster, in Goldfuss, 1841) [*Lucina*]. — Type locality: Mulhausen, Bas-Rhin. — Type age: Jurassic. — Current status: *taxon inquirendum*.

*veslonensis*, *Cardinia* – Deshayes, 1858-*TraitElem*: 232, *nomen nudum*. — Type locality: Veslones, Moselle, France; Terquem. — Type age: Jurassic.

#### Family CARDITIDAE Férussac, 1822

*aculeata*, *Venericardia* – Deshayes, 1829-*DescrCoqFoss*: 158, 14, pl. 26, figs 13-14. — Type localities: Thiverval-Grignon, Mouchy-le-Châtel, Hauteville-Bocage & Gourbesville. — Type age: Eocene (Lutetian). — Current status: synonym of *Venericardia calcitrapoides* (Lamarck, 1805) [*Cardium*] (Glibert & Van de Poel 1970: 122).

*aizyensis*, *Cardita* – Deshayes, 1858-*DescrCoqFoss*: 61, pl. 61, figs 32-34; 1860-*DescrCoqFoss*: 762-763. — Type localities: Aizy-Jouy, Sermoise, Hérouval & Laon. — Type age: Eocene (Ypresian). *Venericardia aizyensis* (Deshayes, 1858) (Glibert & Van de Poel, 1970: 119). — Current status: *Cyclocardia* (*Arcturellina*) *sulcata* [Solander, in Brander, 1766] *aizyensis* (Deshayes, 1858) (Le Renard & Pacaud 1995: 79).

*aliena*, *Cardita* – Deshayes, 1858-*DescrCoqFoss*: 61, pl. 61, figs 28-31; 1860-*DescrCoqFoss*: 763. — Type locality: Laon. — Type age: Eocene (Ypresian). *Venericardia aliena* (Deshayes, 1858) (Glibert & Van de Poel 1970: 119). — Current status: *Cyclocardia* (*Arcturellina*) *aliena* (Deshayes, 1858) (Le Renard & Pacaud 1995: 79).

*amabilis*, *Cardita* – Deshayes, 1854a: 102, pl. 17, figs 8-9. — Type locality: “New Zealand”; Cuming coll. — Type age: Recent. — Type material: NHMUK 1963700, 3 syntypes. — Current status: the Australian *Purpurocardia amabilis* (Deshayes, 1854) (Huber 2010a: 256).

*ambigua*, *Cardita* – Deshayes, 1858-*DescrCoqFoss*: 60, pl. 60, figs 28-31; 1860-*DescrCoqFoss*: 767-768, *non* Michelotti, 1839. — Type localities: Liancourt-Saint-Pierre, Chambors & Les Groux. — Type age: Eocene (Lutetian). — Current status: *Cyclocardia* (*Cyclocardia*) *bernardi* Le Renard, 1994 (Le Renard 1994: 39), replacement name.

*angusticostata*, *Venericardia* – Deshayes, 1829-*DescrCoqFoss*: 153-154, 14, pl. 27, figs 5-6; 1830a-*EncyMeth*: 199-200, as *C. “angusticosta”*; 1857-*TraitElem*: 174, pl. 32, figs 6-7, as *Cardita*; 1860-*DescrCoqFoss*: 761-762. — Type localities: Thiverval-Grignon, Chaumont-en-Vexin, Parnes & La Chapelle-en-Serval. — Type age: Eocene (Lutetian-Bartonian); Beauchamp & Pontoise for vars. *Venericardia angusticostata* (Deshayes, 1829) (Glibert & Van de Poel 1970: 120, as “1825”). Synonym of *Venericardia granulata* DeFrance, 1828 (Le Renard & Pacaud 1995: 79). — Current status: *Darwincardia angusticostata* (Deshayes, 1829) (Pérez 2019: 1363, fig. 4R, as “1824”).

*archiaci*, *Cardita* – Deshayes, 1857-*TraitElem*: 169. — Type locality: Belgium. — Type age: Cretaceous (Cenomanian). — Current status: *nomen dubium*.



*asperula*, *Venericardia* – Deshayes, 1829-DescrCoqFoss: 155-156, 13, pl. 26, figs 3-4; 1858-DescrCoqFoss: 771, as *Cardita*. — Type localities: Chaumont-en-Vexin & Châteaurouge. — Type age: Eocene (Lutetian). — Type species (OD) of *Arcturella* Chavan, 1941, non Sars, 1897 [Crustacea]; *Arcturellina* Chavan, 1951, replacement name. *Venericardia asperula* Deshayes, 1829 (Glibert & Van de Poel 1970: 114, 121, as “1825” and without reference to the Chavan genera). — Current status: synonym of *Cyclocardia* (*Arcturellina*) *subrotunda* Defrance, 1828 (Le Renard & Pacaud 1995: 79). *Arcturellina asperula* (Deshayes, 1829) (Pérez 2019: 1362; Nevesskaja et al. 2013: 325, fig. 116-12).

*astartoides*, *Cardita* – Deshayes, 1858-DescrCoqFoss: 63, pl. 63, figs 12-14; 1860-DescrCoqFoss: 779. — Type localities: Thiverval-Grignon, Parnes & Saint-Félix. — Type age: Eocene (Lutetian). — Current status: *Miodomeris* (*Miodomeris*) *astartoides* (Deshayes, 1858) (Le Renard & Pacaud 1995: 80; Pacaud 2008: 85).

*atomus*, *Cardita* – Deshayes, 1858-DescrCoqFoss: 63, pl. 63, figs 18-20; 1860-DescrCoqFoss: 780-781. — Type localities: Thiverval-Grignon & Parnes. — Type age: Eocene (Lutetian). — Current status: *Condylocardia atomus* (Deshayes, 1858) (Glibert & Van de Poel 1970: 98; Le Renard & Pacaud 1995: 80; Pacaud 2008: 85).

*basteroti*, *Cardita* – Deshayes, 1857-TraitElem: 177. New species based on *Venericardia intermedia* (Brocchi, 1814) [*Chama*] as used by Basterot (1825: 80); 1860-DescrCoqFoss: 775. — Type locality: Dax. — Type age: Oligocene (Rupelian). The specimens from the Piacenzian (Upper Pliocene) of Siena Val Andone cited by Basterot are *Cardites antiquatus* (Linnaeus, 1758) (Pacaud herein). — Current status: *Venericardia basteroti* (Deshayes, 1857) (Glibert & Van de Poel 1970: 121, as “1853”; Lozouet & Maestrati 2012a: 254, 256, fig. 162: 1-4, as “1851”).

*bazini*, *Cardita* – Deshayes, 1858-DescrCoqFoss: 60, pl. 60, figs 1-3; 1860-DescrCoqFoss: 775-776. — Type locality: Ormoy-la-Rivière. — Type age: Oligocene (Rupelian). *Venericardia bazini* (Deshayes, 1858) (Glibert & Van de Poel 1970: 121). — Current status: synonym of *Cardita basteroti* Deshayes, 1857 (Pacaud herein).

*belcheri*, *Cardita* – Deshayes, 1854a: 101. — Type locality: Cubras, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1963696, two syntypes. — Current status: *Centrocardita belcheri* (Deshayes, 1854) (Huber 2010a: 657, with some doubt as to the type locality).

*bimaculata*, *Cardita* – Deshayes, 1854a: 102, pl. 17, figs 4-5. — Type locality: “New Zealand”; Cuming coll. — Type age: Recent. — Type material: NHMUK 1963767, 3 syntypes. — Current status: the Australian *Purpurocardia bimaculata* (Deshayes, 1854) (Huber 2010a: 256).

*caliculaeformis*, *Cardita* – Deshayes, 1863: 21-22, pl. 3, figs 10-11. — Type locality: La Réunion. — Type age: Recent. — Current status: *Cardita caliculaeformis* Deshayes, 1863 (Huber 2010a: 249).

*californica*, *Cardita* – Deshayes, 1854a: 100. — Type locality: Gulf of California, Mexico; Cuming coll. — Type age: Recent. — Type material: NHMUK 1963768, 3 syntypes. — Current status: synonym of *Carditamera affinis* (G. B. Sowerby I, 1833) [*Cardita*] (Coan & Valentich-Scott 2012: 377-378).

*castanea*, *Cardita* – Deshayes, 1854a: 102, pl. 17, fig. 11. — Type locality: Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 1963769, 3 syntypes. — Current status: synonym of *Cardites rufus* (Deshayes, 1834) (Huber 2010a: 252, 654).

*caumontiensis*, *Cardita* – Deshayes, 1858-DescrCoqFoss: 61, pl. 61, figs 6-8; 1860-DescrCoqFoss: 774-775. — Type localities: Caumont & Vendrest. — Type age: Eocene (Bartonian). — Current status: *Cyclocardia* (*Cyclocardia*?) *caumontiensis* (Deshayes, 1858) (Le Renard & Pacaud 1995: 79).

*complanata*, *Venericardia* – Deshayes, 1829-DescrCoqFoss: 154-155, 13, pl. 26, figs 5-6. — Type locality: Acy-en-Multien. — Type age: Eocene (Bartonian). 1860-DescrCoqFoss: 760, as *Cardita*. — Current status: *Venericardia complanata* Deshayes, 1829 (Glibert & Van de Poel 1970: 122; Le Renard & Pacaud 1995: 79, as “1825”).

*conradi*, *Cardita* – Deshayes, 1857-TraitElem: 169, non Shuttleworth, 1856. Replacement name for *Cardita granulata* “Conrad”, non (Defrance, 1828) [*Venericardia*]. However, Conrad’s 1838 use of this name was based on *Venericardia granulata* Say, 1824, so Deshayes renamed the senior homonym. Moreover, his replacement name was preoccupied and both preoccupied his own Paris Basin *C. conradi* Deshayes, 1858 (see below). — Current status: synonym of the eastern North American Plio-Pleistocene *Cyclocardia granulata* (Say, 1824).

*conradi*, *Cardita* – Deshayes, 1858-DescrCoqFoss: 63, pl. 63, figs 5-8; 1860-DescrCoqFoss: 759-760, non *Cardita conradi* Shuttleworth, 1856, nec Deshayes, 1857. — Type localities: Cuise-la-Motte, Laon, Mons-en-Laonnois, Laversine, Cuisy-en-Almont, Cœuvres-et-Valsery, Aizy-Jouy & Hérouval. — Type age: Eocene (Ypresian). *Cardita eudaedala* Bayan, 1873a (Bayan 1873a: 129), replacement name. — Current status: *Venericardia eudaedala* (Bayan, 1873) (Le Renard & Pacaud 1995: 79 as *V. “eudaedalea”*).

*corensis*, *Cardita* – Deshayes, 1854a: 101. — Type locality: Korea; Cuming coll. — Type age: Recent. — Type material: NHMUK 1963697, 2 probable syntypes. — Current status: *Megacardita corensis* (Deshayes, 1854) (Huber 2010a: 656, 659; Matsukuma, in Okutani 2017: 1204, pl. 504, fig. 9).

*crenulata*, *Cardita* – Deshayes, 1854a: 102. — Type locality: Borneo; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 3 syntypes. — Current status: synonym of *Cardites cumingii* (Deshayes, 1854) (Huber 2010a: 253, 655).

*cumingii*, *Cardita* – Deshayes, 1854a: 102, pl. 17, fig. 15. — Type locality: Borneo; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 3 syntypes. — Current status: *Cardites cumingii* (Deshayes, 1854) (Huber 2010a: 251, 655).

*crenularis*, *Cardita* – Deshayes, 1858-DescrCoqFoss: 60, pl. 60, figs 18-20; 1860-DescrCoqFoss: 762; 1865-DescrCoqFoss: 667 [on pl., fig. 18 mislabeled as 19 and fig. 19 mislabeled as 20]. — Type locality: Hérouval. — Type age: Eocene (Ypresian). — Current status: *Venericardia crenularis* (Deshayes, 1858) (Glibert & Van de Poel 1970: 123). Synonym of *Cardita* (*Venericardia*) *angusticostata* Deshayes, 1829 (Cossmann 1887: 87). — Current status: synonym of *Venericardia granulata* Defrance, 1828 (Le Renard & Pacaud 1995: 79).

*davidsoni*, *Cardita* – Deshayes, 1858-DescrCoqFoss: 60, pl. 60, figs 10-12; 1860-DescrCoqFoss: 764. — Type localities: Ver-sur-Launette & Ermenonville. — Type age: Eocene (Bartonian). *Venericardia sulcata* [Solander, in Brander, 1766] *davidsoni* (Deshayes, 1858) (Glibert & Van de Poel 1970: 127). — Current status: *Cyclocardia* (*Arcturellina*) *sulcata* [Solander, in Brander, 1766] *davidsoni* (Deshayes, 1858) (Le Renard & Pacaud 1995: 79).

*difficilis*, *Cardita* – Deshayes, 1854a: 103, pl. 17, figs 16-17. — Type locality: New Zealand; Cuming coll. — Type age: Recent. — Type material: NHMUK 1963702, 3 syntypes; 1963773, 1 syntype. — Current status: synonym of *Purpurocardia purpurata* (Deshayes, 1854) (first reviser: C. A. Fleming 1951: 133-134) (Huber 2010a: 256, 658).

*divergens*, *Cardita* – Deshayes, 1858-DescrCoqFoss: 60, pl. 60, figs 13-14, 61, as *Cardita “imperfecta”*, pl. 61, figs 9-11; 1860-DescrCoqFoss: 764-765; 1865-DescrCoqFoss: 666 [correction made]. — Type localities: Ermenonville, Ver-sur-Launette, Beauval,

Le Fayel, Auvers-sur-Oise, Beauchamp & Caumont. — Type age: Eocene (Bartonian). Synonym of *Cardita* (*Venericardia*) *davidsoni* Deshayes, 1858 (Cossmann, 1887: 89). — Current status: *Cyclocardia* (*Arcturellina*) *sulcata* [Solander, in Brander, 1766] *davidsoni* (Deshayes, 1858) (Le Renard & Pacaud 1995: 79).

*duboisii*, *Cardita* – Deshayes, 1857-TraitElem: 180. New species based on *Cardita intermedia* (Brocchi, 1814) [*Chama*] as used by Dubois de Montpéroux (1831: 61-62, pl. 5, figs 20-21, as *Venericardia*). — Dubois listed several type localities: living in Australia; fossil in Szuskowce in Wolhynie, Plaisantin, Andona Valley in Italy, Bordeaux, etc. However, the main focus of Dubois' work was on the fossils from the Wolhyni-Podolien Plateau, Caucasus, Georgia. — Type age: Miocene (Tortonian), so that is presumably the material that Deshayes intended for his new species. *Venericardia duboisii* (Deshayes, 1857) (Glibert & Van de Poel 1970: 123, as *V. "duboisii"* and as "1852"). — Current status: synonym of *Cardita duboisiana* d'Orbigny, 1852 (d'Orbigny 1852: 114, no. 2132), an earlier name proposed for the same concept.

*elegantula*, *Cardita* – Deshayes, 1854a: 101, pl. 17, figs 6-7. — Type locality: China; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 2 syntypes. — Current status: *Arcturellina elegantula* (Deshayes, 1854) (Huber 2010a: 256, 658; Pagaro, in Poppe 2017: 94, pl. 1347, figs 1-3).

*essingtonensis*, *Cardita* – Deshayes, 1854a: 100. — Type locality: Port Essington, Australia; Cuming coll. — Type age: Recent. — Current status: synonym of *Cardita picta* Reeve, 1843 (Huber 2010a: 250, 653).

*excavata*, *Cardita* – Deshayes, 1854a: 100, pl. 17, figs 1-3. — Type locality: Sydney, Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 1963699, 2 syntypes. — Current status: synonym of *Cardita aviculina* Lamarck, 1822 (Huber 2010a: 249, 653).

*gervillii*, *Cardita* – Deshayes, 1857-TraitElem: 169. — Type locality: Orglande. — Type age: Cretaceous (Maastrichtian). — Current status: *nomen dubium*.

*gunnii*, *Cardita* – Deshayes, 1854a: 101. — Type locality: Van Diemen's Land [Tasmania], Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 1963695, probable holotype. — Current status: *Centrocardita gunnii* (Deshayes, 1854) (Huber 2010a: 657, with some doubt as to the type locality).

*imperfecta*, *Cardita*; see above: *divergens*, *Cardita*.

*insculpta*, *Cardita* – Deshayes, 1858-DescrCoqFoss: 60, pl. 60, figs 7-9; 1860-DescrCoqFoss: 777-778. — Type locality: Chaussy. — Type age: Eocene (Lutetian). *Goossensia irregularis* [Deshayes, 1858] *insculpta* (Deshayes, 1858) (Le Renard & Pacaud 1995: 80). — Current status: *Goossensia insculpta* (Deshayes, 1858) (Pacaud 2008: 84).

*irregularis*, *Cardita* – Deshayes, 1858-DescrCoqFoss: 60, pl. 60, figs 4-6; 1860-DescrCoqFoss: 776. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). The type species (M) of *Goossensia* Cossmann, 1885, is *G. plicatuloides* Cossmann, 1885, regarded as a synonym of Deshayes' species. — Current status: *Goossensia irregularis* (Deshayes, 1858) (Glibert & Van de Poel 1970: 99; Le Renard & Pacaud 1995: 80; Pacaud 2008: 84; Nevesskaja *et al.* 2013: 325, fig. 116-14).

*jukesi*, *Cardita* – Deshayes, 1854a: 101, pl. 17, fig. 14. — Type locality: Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 1963701, holotype. — Current status: synonym of *Cardites rufus* (Deshayes, 1834) (Huber 2010a: 252, 654).

*kayei*, *Cardita* – Deshayes, 1857-TraitElem: 70. Replacement name for *Cardita orbicularis* Forbes, 1846 (Forbes 1846: 144, pl. 17, fig. 11), *non C. orbicularis* (J. de C. Sowerby, 1825) [*Venericardia*]. — Type locality: Pondicherry, India. — Type age: Cretaceous. Synonym of *Cardium jacquinoti* d'Orbigny, 1847 (Stoliczka 1871: 290-291, pl. 10, figs 15-21, without mention of Deshayes replacement name). — Current status: *Venericardia jacquinoti* (d'Orbigny, 1847) (Gliozzi & Malatesta 1983: 93, pl. 3, fig. 7).

*modica*, *Cardita* – Deshayes, 1858-DescrCoqFoss: 63, pl. 63, figs 15-17; 1860-DescrCoqFoss: 780. — Type localities: Parnes & Thiverval-Grignon. — Type age: Eocene (Lutetian). *Pteromeris* (*Miodomeris*) *modica* (Deshayes, 1858) (Glibert & Van de Poel 1970: 100-101). — Current status: *Miodomeris* (*Miodomeris*) *modica* (Deshayes, 1858) (Le Renard & Pacaud 1995: 80; Pacaud 2008: 85).

*mulleri*, *Cardita* – Deshayes, 1857-TraitElem: 169. Replacement name for *Cardita goldfussii* J. Müller, 1847 (Müller 1847: 20-21), *non* (Alberti, 1834) [*Venericardia*]. It is evident from the context for whom he intended to name this secondary junior homonym; although an umhaut is not visible, so one can change his original *mulleri* to *muelleri* (ICZN Code Art. 32.5). — Type locality: Aachen, Germany. — Type age: Cretaceous. — Current status: *taxon inquirendum*.

*ornata*, *Cardita* – Deshayes, 1858-DescrCoqFoss: 61, pl. 61, figs 16-19 [in text as figs 16-20]; 1860-DescrCoqFoss: 772. — Type localities: Thiverval-Grignon, Parnes, Hérouval, Chambors, Gomerfontaine, Saint-Félix & Brasles. — Type age: Eocene (Lutetian). — Current status: *Cyclocardia* (*Arcturellina*) *ornata* (Deshayes, 1858) (Le Renard & Pacaud 1995: 79; Pacaud 2008: 84).

*onerata*, *Cardita* – Deshayes, 1858-DescrCoqFoss: 61, pl. 61, figs 20-24; 1860-DescrCoqFoss: 773; 1865-DescrCoqFoss: 667 [on pl., fig. 20 mislabeled as 21, fig. 21 mislabeled as 22, and fig. 22 mislabeled as 18]. — Type localities: Thiverval-Grignon & Parnes. — Type age: Eocene (Lutetian). — Current status: *Pleuromeris* (*Choniocardia*) *onerata* (Deshayes, 1858) (Glibert & Van de Poel 1970: 103; Le Renard & Pacaud 1995: 79; Pacaud 2008: 84).

*plicatilis*, *Cardita* – Deshayes, 1857-TraitElem: 169. — Type locality: Belgium. — Type age: Cretaceous (Cenomanian). — Current status: *nomen dubium*.

*prevosti*, *Cardita* – Deshayes, 1858-DescrCoqFoss: 63, pl. 63, figs 1-4; 1860-DescrCoqFoss: 765. — Type localities: Parnes, Cuise-la-Motte, Hérouval, Laon, Mons-en-Laonnois, Mercin-et-Vaux, Aizy-Jouy & Laversine. — Type age: Eocene (Ypresian). *Venericardia prevosti* (Deshayes, 1858) (Glibert & Van de Poel 1970: 125). — Current status: *Cyclocardia* (*Arcturellina*) *prevosti* (Deshayes, 1858) (Le Renard & Pacaud 1995: 79).

*profunda*, *Cardita* – Deshayes, 1858-DescrCoqFoss: 61, pl. 61, figs 1-6 [in text as pl. 60]; 1860-DescrCoqFoss: 769-770; 1865-DescrCoqFoss: 665 [error noted]. — Type localities: Chaussy, Hérouval, Liancourt-Saint-Pierre, Parnes, Chaumont-en-Vexin & Betz. — Type age: Eocene (Lutetian-Bartonian). — Current status: *Venericardia profunda* (Deshayes, 1858) (Glibert & Van de Poel 1970: 125). Le Renard & Pacaud 1995: 79; Pacaud 2008: 85).

*propinqua*, *Cardita* – Deshayes, 1858-DescrCoqFoss: 60, pl. 60, figs 15-17; 1860-DescrCoqFoss: 766. — Type localities: Le Guépelle, Ermenonville, Auvers-sur-Oise, Mortefontaine, Mary-sur-Marne, Caumont & Ver-sur-Launette. — Type age: Eocene (Bartonian). *Venericardia propinqua* (Deshayes, 1858) (Glibert & Van de Poel 1970: 126). — Current status: *Cyclocardia* (*Arcturellina*) *propinqua* (Deshayes, 1858) (Le Renard & Pacaud 1995: 79).



*pulchra*, *Cardita* – Deshayes, 1858-*DescrCoqFoss*: 61, pl. 61, figs 25-27; 1860-*DescrCoqFoss*: 771-772. — Type localities: Chaumont-en-Vexin & Auvers-sur-Oise. — Type age: Eocene (Lutetian-Bartonian). — Current status: *Cyclocardia* (*Arcturellina*) *pulchra* (Deshayes, 1858) (Le Renard & Pacaud 1995: 79; Pacaud 2008: 84).

*purpurata*, *Cardita* – Deshayes, 1854a: 100, pl. 17, figs 12-13. — Type locality: New Zealand; Cuming coll. — Type age: Recent. — Type material: NHMUK 1963704, 3 syntypes. — Type species (OD) of *Purpurocardia* P. A. Maxwell, 1969. — Current status: *Purpurocardia purpurata* (Deshayes, 1854) (P. A. Maxwell 1969; Powell 1979: 407, pl. 78, fig.; Beu 2006: 221-224, figs 18B, D-E; Huber 2010a: 256, 658; Pérez 2019: 1363, fig. 2Q, 4C).

*pusilla*, *Cardita* – Deshayes, 1858-*DescrCoqFoss*: 61, pl. 61, figs 12-15; 1860-*DescrCoqFoss*: 766-767. — Type locality: Le Guépelle. — Type age: Eocene (Bartonian). *Venericardia pusilla* (Deshayes, 1858) (Glibert & Van de Poel 1970: 126). — Current status: *Cyclocardia* (*Arcturellina*) *pusilla* (Deshayes, 1858) (Le Renard & Pacaud 1995: 79).

*quoyi*, *Cardita* – Deshayes, 1854a: 103. — Type locality: Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 1963707, 3 syntypes; 1963708, 3 syntypes; 1963709, 3 syntypes. — Current status: synonym of *Purpurocardia purpurata* (Deshayes, 1854) (first reviser: C. A. Fleming 1951: 133-134) (Huber 2010a: 256, 658).

*radiolata*, *Cardita* – Deshayes, 1858-*DescrCoqFoss*: 63, pl. 63, figs 9-11; 1860-*DescrCoqFoss*: 779-780. — Type localities: Thiverval-Grignon & Mouy. — Type age: Eocene (Lutetian). *Pteromeris* (*Miodomeris*) *radiolata* (Deshayes, 1858) (Glibert & Van de Poel, 1970: 100-101). — Current status: *Miodomeris* (*Miodomeris*) *radiolata* (Deshayes, 1858) (Le Renard & Pacaud 1995: 79; Pacaud 2008: 85).

*rufa*, *Cardita* – Deshayes, 1833d: 66, pl. 65, figs 3-4. — Type locality: northern Red Sea. — Current status: *Cardites rufa* (Deshayes, in Laborde, 1833) (Oliver 1992: 115-116, pl. 24; Dekker & Orlin 2000: 12; Mienis 2000: 131; Rusmore-Villaume 2008: 224-225), with a female ending on this male genus, more correctly *Cardites rufus* (Deshayes in Laborde, 1833) (Huber 2010a: 252, 654), endemic to the Red Sea.

*serrulata*, *Cardita* – Deshayes, 1858-*DescrCoqFoss*: 60, pl. 60, figs 25-27; 1860-*DescrCoqFoss*: 767. — Type localities: Thiverval-Grignon, Parnes, Damery, Fleury-la-Rivière, Cumières, Boursault, Montmirail & Hermonville. — Type age: Eocene (Lutetian). *Venericardia sulcata* [Solander, in Brander, 1766] *serrulata* (Deshayes, 1858) (Glibert & Van de Poel 1970: 128-129). *Cyclocardia* (*Arcturellina*) *sulcata* [Solander, in Brander, 1766] *serrulata* (Deshayes, 1858) (Le Renard & Pacaud 1995: 79; Courville et al. 2012: 59, pl. 1, fig. 6). — Current status: *Cyclocardia* (*Arcturellina*) *serrulata* (Deshayes, 1858) (Pacaud 2008: 84).

*sowerbyi*, *Cardita* – Deshayes, 1854a: 103, non d'Orbigny, 1852. — Type locality: Swan River, Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 1963708, 4 syntypes. — Current status: synonym of *Megacardita turgida* (Lamarck, 1819) (Huber 2010a: 257, 659).

*squamatina*, *Cardita* – Deshayes, 1858-*DescrCoqFoss*: 59, pl. 59, figs 15-17; 1860-*DescrCoqFoss*: 777. — Type localities: Fontenay-Saint-Père, Chaussy & Le Maitré-sous-Fontenay. — Type age: Eocene (Lutetian). — Current status: *Carditamera squamatina* (Deshayes, 1858) (Le Renard & Pacaud 1995: 80; Pacaud 2008: 84).

*squamigera*, *Venericardia* – Deshayes, 1832a: [1], pl. 10. — Type locality: none given. — Type age: Recent. — Current status: the western Australian *Centrocardita squamigera* (Deshayes, 1832) (Huber 2010a: 256, 657).

*terquemi*, *Cardita* – Deshayes, 1857-TraitElem: 167. — Type locality: Metz. — Type age: Jurassic. Preoccupies *Cardita terquemi* Cossmann, 1882. — Current status: *nomen dubium*.

*trigoniaeformis*, *Cardita* – Deshayes, 1857-TraitElem: 165-166. Replacement name for *Cardita decussata* Münster, in Goldfuss, 1837 (Goldfuss 1837: 185, pl. 133, fig. 5), non (Lamarck, 1805) [*Venericardia*]. — Type locality: Saint-Cassain, Italy; Triassic (Norian). — Current status: *taxon inquirendum*.

*umbilicata*, *Cardita* – Deshayes, 1854a: 100-101. — Type localities: Port Cunningham & Sydney, Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 1963703, 3 syntypes. — Current status: synonym of *Cardita picta* Reeve, 1843 (Huber 2010a: 250; 2015: chapter 5 on CD).

*vestita*, *Cardita* – Deshayes, 1854a: 102, pl. 17, fig. 10. — Type locality: Greenland; Cuming coll. — Type age: Recent. — Type material: NHMUK 1963705, 3 syntypes. — Current status: synonym of *Cyclocardia borealis* (Conrad, 1832) (Huber 2010a: 235, 656).

*zelandica*, *Cardita* – Deshayes, 1854a: 101. — Type locality: New Zealand; Cuming coll. — Type age: Recent. — Type material: NHMUK 1963698, 3 probable syntypes. — Listed by Beu (2006: 184, as *P. "zelandicae"*). — Current status: *Pleuromeris zelandica* (Deshayes, 1854) (Powell 1979: 408, pl. 78, fig. 7; Huber 2010a: 255; Pérez, 2019: 1362).

*semiorbiculata*, *Cardita* – Deshayes, 1843-RegAnim: pl. 93, fig. 4. This was listed by Sherborn (1930: 5863), as *C. "semi-orbiculata"* Deshayes, but it was merely indicating a transfer of *Chama semi-orbiculata* Linnaeus, 1758, to *Cardita*. — Current status: *Beguina semiorbiculata* (Linnaeus, 1758).

#### Family CRASSATELLIDAE Férussac, 1822

*angusta*, *Crassatella* – Deshayes, 1857-TraitElem: 114. — Type locality: London. — Type age: "argile"; Eocene (Ypresian). — Current status: *taxon inquirendum*.

*bellovacina*, *Crassatella* – Deshayes, 1857-TraitElem: 113. 1860-*DescrCoqFoss*: 742-743. This species was based on Deshayes' figures of *Crassatella sulcata* Lamarck, 1805, of his first Paris Basin edition (1824-*DescrCoqFoss*: 34-35, 2, pl. 3, figs 1-3). — Type localities: Abbecourt & Bracheux. — Type age: Paleocene (Thanetian). Deshayes evidently believed that the two species were separable. *Tellina sulcata* Solander in Brander, 1766 (Brander 1766: 37, pl. 7, fig. 89) is an Eocene *Crassatella* from Hampshire, England. *Crassatella sulcata* Lamarck, 1801 (Lamarck 1801: 119), was a *nomen nudum*. *Crassatella sulcata* Lamarck, 1805 (Lamarck 1805: 408-409) was then made available for the Paris Basin material from Bracheux, but his name cannot be used because it was a junior homonym. Lamarck also mentioning living material collected by Péron in "New Holland". Nyst (1845a: 84-85) proposed *Crassatella landinensis* as a new, unfigured fossil species from Landen, Netherlands. Nyst (1847: 122-123, 128-129) then proposed *Crassatella lamarckii* as a replacement name for Lamarck's junior homonym. d'Orbigny (1850b: 305, no. 149) proposed *Crassatella subsulcata* as a new species for the same Lamarck species, thinking that Lamarck was misusing the Solander species. Pacaud (2007: 58) proposed using *Crassatella* (*Landina*) *landinensis* Nyst, 1845, for the Paris Basin fossil, without mentioning *Crassatella lamarckii* Nyst, 1847. — Current status: the oldest available name for the Paris Basin species is *Crassatella landinensis* Nyst, 1845.

*curata*, *Crassatella* – Deshayes, 1857-*DescrCoqFoss*: 20, pl. 20, figs 6-8; 1860-*DescrCoqFoss*: 743-744. — Type localities: Mouchy-le-Châtel, Parnes, Chaussy, Chaumont-en-Vexin, Fontenay-Saint-Père, Gomerfontaine, Vaudancourt & Hauteville-Bocage. — Type age: Eocene (Lutetian). — Current status: *Bathytormus curvatus* (Deshayes, 1857) (Glibert & Van de Poel 1970: 93; Le Renard & Pacaud 1995: 79; Pacaud 2008: 84).

*desmaresti*, *Crassatella* – Deshayes, 1866b: 330, 332, 337-338, pl. 7, fig. 3. — Type locality: Montmartre (Paris), Argenteuil. — Type age: Eocene (Priabonian). — Type material: UCBL-EM 36201, syntype. *Bathytormus desmaresti* (Deshayes, 1866) (Le Renard & Pacaud 1995: 79). — Current status: *Crassatella (Bathytormus) desmaresti* Deshayes, 1866 (Berezovsky 2018: 1254, fig. 7, subgenus misspelled “*Bathytormys*”).

*dilatata*, *Crassatella* – Deshayes, 1860-*DescrCoqFoss*: 744-745. Based on 1824-*DescrCoqFoss*: 37, pl. 5, figs 3-4, as *Crassatella compressa* Lamarck, 1805. — Type localities: Courtagnon, Cumières, Damery, Fleury-la-Rivière, Thiverval-Grignon, Liancourt-Saint-Pierre & Montmirail; Barton-on-Sea & Southampton (England). — Type age: Eocene (Lutetian). *Crassatella (Bathytormus) dilatata* Deshayes, 1860 (Glibert & Van de Poel 1970: 93). — Current status: *Bathytormus dilatatus* (Deshayes, 1857) (Le Renard & Pacaud 1995: 79; Pacaud 2008: 84; Courville *et al.* 2012: 59, pl. 1, figs 9-10).

*distincta*, *Crassatella* – Deshayes, 1857-*DescrCoqFoss*: 20, pl. 20, figs 20-21; 1860-*DescrCoqFoss*: 742. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Current status: synonym of *Crassatella (Pachythaerus) gibbosula* Lamarck, 1805 (Le Renard & Pacaud 1995: 79).

*donacialis*, *Crassatella* – Deshayes, 1857-*DescrCoqFoss*: 20, pl. 20, figs 15-17; 1860-*DescrCoqFoss*: 746-747. — Type localities: Auvers-sur-Oise, Beauval, Mary-sur-Marne, Vendrest, Beaucouvillers, Le Fayel, Betz, Chéry-Chartreuve & La Palarea. — Type age: Eocene (Bartonian). *Crassatella (Bathytormus) tenuistriata* [Deshayes, 1824] *donacialis* Deshayes, 1857 (Glibert & Van de Poel 1970: 96). — Current status: *Bathytormus tenuistriata* [Deshayes, 1824] *donacialis* (Deshayes, 1857) (Le Renard & Pacaud 1995: 79).

*grignonensis*, *Crassatella* – Deshayes, 1857-*DescrCoqFoss*: 20, pl. 20, figs 3-5; 1860-*DescrCoqFoss*: 748-749. — Type localities: Thiverval-Grignon, Parnes & Damery. — Type age: Eocene (Lutetian). Bracklesham (England). — Current status: *Bathytormus tenuistriata* [Deshayes, 1824] *grignonensis* (Deshayes, 1857) (Le Renard & Pacaud 1995: 79); *Bathytormus grignonensis* (Deshayes, 1857) (Pacaud 2008: 84).

*lamarckii*, *Crassatella* – see next entry.

*lamarckii*, *Crassatella* – Deshayes, 1857-*TraitElem*: 113, *non* Nyst, 1847. — Type locality: Australia. — Type age: Recent. Deshayes’ species name should be automatically corrected to *C. lamarckii* because it was proposed in connection with Lamarck’s species (ICZN Code Art. 32.5), whose name he spelled correctly, the misspelling clearly being a typographical error. However, the rest of the nomenclatural situation is complex. Deshayes said that he was proposing this name for living material from Australia that had been referred to as *Crassatella sulcata* Lamarck, 1805. (*Crassatella sulcata* Lamarck, 1801, was a *nomen nudum*.) While Lamarck’s name was a junior secondary homonym (*non* Solander, in Brander, 1766 – *Tellina*), it was originally based on Paris Basin fossil material. Lamarck (1805) had mentioned material from Australia, considering it to be an “analogue” of his fossil material. The name by Deshayes, is itself a junior homonym. Later, Lamarck (1818: 481-482) applied his fossil name to Recent specimens from Australia, but this does not create a homonym; it is just a misapplication of his fossil species name. — Type locality: Australia. — Type age: Recent. — Current status: Deshayes’ taxon is thus a junior synonym of the Australian *Eucrassatella decipiens* (Reeve, 1842) [*Crassatella*].

*minor*, *Crassatella plumbea* [“Chemnitz”] – Deshayes, 1860-*DescrCoqFoss*: 737. — Type localities: Soissons & Laon. — Type age: Eocene (Ypresian). (1824-*DescrCoqFoss*: 33, “Var. B. *Testá minore*”). The first available name for the underlying, separable “Chemnitz” fossil species is *Crassatella ponderosa* (Gmelin, 1791) [Venus]. — Current status: *Crassatella (Crassatella) minor* Deshayes, 1860 (Glibert & Van de Poel 1970: 91; Le Renard & Pacaud 1995: 79).

*nystii*, *Crassatella* – Deshayes, 1857-*TraitElem*: 114. Based on what Nyst (1845a: 86-87, pl. 2, fig. 4a-b) figured as *Crassatella tenuistriata* Deshayes, 1824. — Type localities: Jette, Laeken & Éverlé near Louvain, Belgium. — Type age: Eocene (Bartonian). — Current status: synonym of *Crassatella nystiana* d’Orbigny, 1850b (d’Orbigny 1850b: 383, no. 906) (Pacaud 2007: 57).

*plicatilis*, *Crassatella* – Deshayes, 1857-*DescrCoqFoss*: 18, pl. 18, figs 26-27; 1860-*DescrCoqFoss*: 745. — Type locality: Brasles. — Type age: Eocene (Lutetian). — Type material: MNHN.EJ04145, syntype. — Current status: synonym of *Crassatella dilatata* Deshayes, 1860 (Cossmann 1887: 83).

*rostrata*, *Crassatella* – Deshayes, 1824-*DescrCoqFoss*: 35, 2, pl. 3, figs 6-7, not preoccupied by *Crassatella rostrata* Lamarck, 1805 (Lamarck 1805: 408), a *nomen nudum*, but preoccupied by Lamarck (1818: 482), a living Caribbean species; 1830b-*EncyMeth*: 22. — Type localities: Mouchy-le-Châtel & Senlis. — Type age: Eocene (Lutetian-Bartonian). Listed as *Crassatella rostralis* Deshayes, 1860-*DescrCoqFoss*: 748, presumably to rename the homonym, but without indication of the homonymy. A species of this genus had earlier been illustrated as *Crassatella deshaysiana* Chenu, 1843 (*Crassatella* pl. 5, fig. 4-4b), without indication that it was intended to be a replacement name, and it depicts a species with a much shorter posterior end; it has been emended by later authors to *C. deshaysiana* on the grounds that it was an obvious spelling error. Because there was no accompanying text by Chenu, one can only surmise that it may have been a different fossil species. Deshayes’ homonym was renamed as *Crassatella deshaysiana* Nyst, 1847 (Nyst 1847: 122-123), but this would be a junior homonym of Chenu’s species. *Bathytormus deshaysianus* (Chenu, 1843) (Le Renard & Pacaud 1995: 789). — Current status: *Bathytormus rostralis* (Deshayes, 1860) (Pacaud & Le Renard 1995: 187).

*rostralis*, *Crassatella* – see above.

*sinuosa*, *Crassatella* – Deshayes, 1824-*DescrCoqFoss*: 38, 3, pl. 5, figs 8-10; 1830b-*EncyMeth*: 22; 1835-*HistNatAnim2*: 115-116; 1839-*HistNatAnim3*: 540; 1860-*DescrCoqFoss*: 741. — Type localities: Chaumont-en-Vexin & Monneville. — Type age: Eocene (Lutetian-Bartonian). — Current status: *Crassatella (Crassatella) sinuosa* Deshayes, 1824 (Glibert & Van de Poel 1970: 92; Glibert 1980: 19-20; Le Renard & Pacaud 1995: 79; Pacaud 2008: 84).

*scutellaria*, *Crassatella* – Deshayes, 1825-*DictClass*: pl. [77], fig. 4a, b; 1825-*DictClass5*: 33-34; 1831-*DictClass17*: 118; 1824-*DescrCoqFoss*: 39, 3, pl. 5, figs 1-2; 1830b-*EncyMeth*: 21; 1835-*HistNatAnim2*: 115; 1839-*HistNatAnim3*: 540; 1860-*DescrCoqFoss*: 740. — Type localities: Abbecourt & Bracheux. — Type age: Paleocene (Thanetian). — Current status: *Crassatella scutellaria* Deshayes, 1825 (Glibert & Van de Poel 1970: 92; Le Renard & Pacaud 1995: 79).

*sublaevigata*, *Crassatella bronniei* [“Mérian”, actually Sandberger, 1853: 9, *ex Merian* ms, but there a *nomen nudum*; evidently first made available by Nyst, 1847: 119] – 1857-*DescrCoqFoss*: 19, pl. 19, figs 12-14. — Type localities: Jeurre & Etréchy. — Type age: Oligocene (Rupelian). Glibert & Van de Poel, 1970: 94) cited these figures in describing *Crassatella (Bathytormus) ruellensis*, although they had their own type material. Oddly, they cited these figures as “(= *sulcata*, *non* Solander)”, which would seem to apply to the next subspecies instead. — Current status: this subspecific taxon, if valid, would have to be *C. sublaevigata*, whether or not it is identical to the Glibert & Van de Poel species.



*sulcata*, *Crassatella brononii* ["Mérian", actually Sandberger, 1853: 9, *ex Merian ms*, but there a *nomen nudum*; evidently first made available by Nyst, 1847: 119], *non Crassatella sulcata* Lamarck, 1801 – Deshayes, 1853: 19, pl. 19, figs 17-19. — Type localities: Jeurre & Etréchy. — Type age: Oligocene (Rupelian). — Current status: if useful, this taxon would have to be renamed.

*tenuistriata*, *Crassatella* – Deshayes, 1824-*DescrCoqFoss*: 38, 3, pl. 5, figs 13-14; 1830b-*EncyMeth*: 22; 1835-*HistNatAnim2*: 115; 1839-*HistNatAnim3*: 540; 1860-*DescrCoqFoss*: 748, as "*C. tenuistriata*". — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). *Crassatella (Bathytormus) tenuistriata tenuistriata* Deshayes, 1824 (Glibert & Van de Poel 1970: 96). — Current status: *Bathytormus tenuistrius* (Deshayes, 1824) (Le Renard & Pacaud 1995: 79; Pacaud 2008: 84).

*tenuistriata*, *Crassatella* – see above.

*thallavignesi*, *Crassatella* – Deshayes, 1857-*DescrCoqFoss*: 19, pl. 19, figs 20-22; 1860-*DescrCoqFoss*: 738-739. — Type locality: Aizy-Jouy. — Type age: Eocene (Ypresian). — Current status: *Crassatella thallavignesi* Deshayes, 1857 (Glibert & Van de Poel 1970: 92; Le Renard & Pacaud 1995: 79).



*bronni*, *Crassinella* – Lozouet & Maestrati (2012a: 254, 256, fig. 162: 9-12) listed this as a "(Deshayes, 1857)" species. However, this name seems instead to have been based on *Crassinella brononii* (Nyst, 1847) [*Crassatella*].

#### Family ASTARTIDAE d'Orbigny, 1844 [1840]

*Opis* – Deshayes, 1835-*HistNatAnim2*: 518-520, *ex DeFrance ms*; 1839-*HistNatAnim3*: 663-666. — Type species (SD Herrmannsen, 1847): *Trigonia cardissoides* Lamarck, 1819. France. — Type age: Jurassic. Type genus of Opinae Chavan, 1952, a subfamily of the Astartidae. Earlier vernacular uses of this generic name by other authors are unavailable. — Current status: valid genus.

*Woodia* – Deshayes, 1858: 59, pl. 59; 1860-*DescrCoqFoss*: 790-793. — Type species (SD Stoliczka, 1871: 280): *Tellina digitaria* Linnaeus, 1758. — Current status: synonym of *Digitaria* S. V. Wood, 1853, which has the same type species; although the latter was published in synonymy, it has been used and has thus become established (ICZN Code Art. 11.6.1). Mediterranean. Concerning this genus, see also Semper (1862).

*affinis*, *Opis* – Deshayes, 1857-*TraitElem*: 129. — Type locality: Nattheim, Württemberg, Germany. — Type age: Coral-rag, Jurassic (Oxfordian). — Current status: *nomen dubium*.

*burdigalensis*, *Woodia* – Deshayes, 1860: 791. — Type locality: Bordeaux. — Type age: Miocene (Burdigalian). Based on Basterot's (1825: 86) use of *Lucina digitalis* Lamarck, 1818. — Current status: *Digitaria burdigalensis* (Deshayes, 1860) (Glibert & Van de Poel 1970: 84).

*conradi*, *Astarte* – Deshayes, 1857-*TraitElem*: 147. Replacement name for the Pleistocene eastern North American *Astarte concentrica* Conrad, 1834, *non* Goldfuss, 1837. Deshayes thus renamed the senior homonym, and his new name preoccupies *Astarte conradi* Dana, 1863. — Current status: synonym of *Astarte concentrica* Conrad, 1834.

*cordiformis*, *Astarte* – Deshayes, 1830a-*EncyMeth*: 80; 1831c: [1], pl. 8; 1835-*HistNatAnim2*: 260; *HistNatAnim3*: 585, both as *Crassina*. — Type locality: Bayeux. — Type age: Jurassic (Bajocian). — Current status: *nomen dubium*.

*crenulata*, *Woodia* – Deshayes, 1858-*DescrCoqFoss*: 59, pl. 59, figs 9-11; 1860-*DescrCoqFoss*: 792. — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Type species (SD Chavan, 1969) of *Sita* Semper, 1862. *Woodia crenulata* Deshayes, 1858 (Glibert & Van de Poel 1970: 85, who incorrectly stated this taxon to be the type species of *Woodia*). — Current status: *Sita crenulata* (Deshayes, 1858) (Glibert 1980: 16-17, pl. 1, fig. 4; Le Renard & Pacaud 1995: 80; Pacaud 2008: 84; Neveškaja *et al.* 2013: 291, fig. 106-2).

*dilatatus*, *Opis* – Deshayes, 1839-*TraitElem*: 15, pl. 23, figs 6-7. 1844-*RegAnim*: pl. 87, figs 1, 2; 1857-*TraitElem*: 128, pl. 23, figs 6-7. — Type locality: none given. — Type age: Jurassic. Figure shows a closed specimen. — Current status: *nomen dubium*.

*excentrica*, *Astarte* – Deshayes, 1846-*Algér*: pl. 81, figs 7-10. — Type locality: Algeria. — Type age: Recent. — Current status: synonym of *Digitaria digitaria* (Linnaeus, 1758) [*Astarte*] (Sabelli *et al.* 1990: 308).

*fischeri*, *Astarte* – Deshayes, 1857-*TraitElem*: 140. Replacement name for *Astarte buchiana* d'Orbigny, in Murchison *et al.*, 1845 (p. 456), *non Astarte buchii* F. A. Roemer, 1842. Unnecessary replacement name because these are not really homonyms. — Current status: synonym of *Astarte buchiana* d'Orbigny, in Murchison *et al.*, 1845.

*grateloupi*, *Astarte* – Deshayes, 1857-*TraitElem*: 146. — Type locality: Bordeaux Basin. There is no description or figure, so it is here a *nomen nudum*. It again appeared as a *nomen nudum* in Benoist (1873: 59). It was first made available by Cossmann & Peyrot (1912d: 141-143; 1913a: 21-23, pl. 1, figs 39-44), credited to Deshayes. Saucats, France. — Type age: Miocene (Burdigalian). — Type material: MNHN.F.J14607, 13 syntypes (Cossmann coll.). It is the type species (OD) of *Digitariopsis* Chavan, 1962. — Current status: *Digitariopsis grateloupi* (Cossmann & Peyrot, 1912, *ex* Deshayes ms) (Neveškaja *et al.* 2013: 287, fig. 105-10, with the species miscredited to "Deshayes, 1843").

*islandica*, *Astarte* – Deshayes, 1849-*DictUnivAtlas*: 9, pl. 4, figs 5-6. — Type locality: none given, but Iceland implied. — Type age: Recent. E. Lamy (1919: 94, 97) noted Deshayes name as "Deshayes mss. in Mus. Cuming (*teste* E.-A. Smith)", evidently being unaware of its original appearance. — Current status: synonym of the northern *Astarte borealis* (Schumacher, 1817) [*Tridonta*], as placed by E. Lamy.

*laticostata*, *Astarte* – Deshayes, 1839-*TraitElem*: 15, pl. 22, figs 16-17; 1857-*TraitElem*: 145, pl. 22, figs 16-17. Gosau. — Type age: Cretaceous (Santonian). Synonym of *Astarte similis* Münster, in Goldfuss, 1837 (Dhondt 1984: 75; Kumar 2014: 507, fig. 2j). — Current status: *Astarte laticostata* Deshayes, 1839 (Arkadiev 2020: 58-59, 108, pl. 3, fig. 5).

*marginalis*, *Woodia* – Deshayes, 1858-*DescrCoqFoss*: 59, pl. 59, figs 1-4; 1860-*DescrCoqFoss*: 792-793. — Type localities: Mercin-et-Vaux, Laversine, Cuisy-en-Almont & Aizy-Jouy. — Type age: Eocene (Ypresian). — Current status: *Sita marginalis* (Deshayes, 1858) (Le Renard & Pacaud 1995: 80).

*menardi*, *Astarte* – Deshayes, 1830a-*EncyMeth*: 79-80; 1835-*HistNatAnim2*: 261; 1839-*HistNatAnim3*: 586, both as *Crassina*. — Type locality: Caen. — Type age: Jurassic. — Current status: *nomen inquirendum*.

*profunda*, *Woodia* – Deshayes, 1858-*DescrCoqFoss*: 59, pl. 59, figs 5-8 [figures not cited in text]; 1860-*DescrCoqFoss*: 793; 1865-*DescrCoqFoss*: 665 [error noted]. — Type localities: Le Vivray, Aizy-Jouy, Mercin-et-Vaux, Laversine. — Type age: Eocene (Ypresian). — Current status: *Woodia profunda* Deshayes, 1858 (Glibert & Van de Poel 1970: 85). *Sita profunda* (Deshayes, 1858) (Le Renard & Pacaud 1995: 80).

*reussii*, *Astarte* – Deshayes, 1857-TraitElem: 144. Replacement name for *Astarte porrecta* Reuss, 1846 (Reuss 1846: 2), *non* Buch, 1840. Třebívlice, Czech Republic. — Type age: Cretaceous. — Current status: *taxon inquirendum*.

*roemeri*, *Astarte* – 1857-TraitElem: 140-141. Replacement name for *Astarte lamellosa* F.A. Roemer, 1839 (Roemer 1839: 40, pl. 29, fig. 10), *non* Münster, in Goldfuss, 1837. — Type locality: Hoheneggelsen, Hannover, Germany. — Type age: Coral rag, Jurassic. — Current status: *taxon inquirendum*.

*rugosa*, *Astarte* – Deshayes, 1839-TraitElem: 14, pl. 22, figs 11-12, *non* (J. de C. Sowerby, 1836) [*Cytherea*]. — Type locality: none given. — Type age: not stated. — Current status: *nomen dubium*.

*scalaris*, *Astarte* – Deshayes, 1830a-EncyMeth: 78; 1835-Hist-NatAnim2: 259; 1839-HistNatAnim3: 586, both as *Crassina*; 1839-TraitElem: 14, pl. 22, figs 6-7; 1857-TraitElem: 146-147. — Type locality: Angers. — Type age: Miocene. — Current status: *Astarte (Astarte) omalii* [de la Jonkaire, 1823] *scalaris* Deshayes, 1830 (Lauriat-Rage 1982: 25, pls. 6, 8, 9).

*solidula*, *Astarte* – Deshayes, 1830a-EncyMeth: 79. — Type locality: Touraine. — Type age: Miocene. 1835-HistNatAnim2: 260; 1839-HistNatAnim3: 585, both as *Crassina*. — Current status: *Astarte solidula* Deshayes, 1830 (Glibert & Van de Poel 1970: 78).

*striatula*, *Astarte* – Deshayes, 1830a-EncyMeth: 78-79; 1831c: [1], pl. 10; 1835-HistNatAnim2: 259-260; 1839-HistNatAnim3: 585, both as *Crassina*. — Type locality: Angers. — Type age: Miocene. — Current status: *Digitariopsis obliquata stratula* (Deshayes, 1830) (Pacaud herein).

*sulcatina*, *Goodallia* – Deshayes, 1858-DescrCoqFoss: 63, pl. 63, figs 21-23; 1860-DescrCoqFoss: 785. — Type locality: Le Vivray. — Type age: Eocene (Lutetian). — Current status: synonym of *Goodallia laevigata* Deshayes, 1858 (Cossmann, 1887: 100), now *Microstagon laevigatum* (Deshayes, 1858) (Le Renard & Pacaud 1995: 80).

*terminalis*, *Cardita* – Deshayes, 1839-TraitElem: 20, pl. 32, fig. 11. — Type locality: none given. — Type age: Jurassic (Bajocian). — Type species (OD) of *Praeonia* Stoliczka, 1871 (Ros-Franch *et al.* 2014: 142), although Stoliczka mistakenly credited the species to Römer, 1842. — Current status: *Praeonia terminalis* (Deshayes, 1839) (Neveeskaja *et al.* 2013: 289, fig. 105-13).

*terminalis*, *Goodallia* – Deshayes, 1858-DescrCoqFoss: 63, pl. 63, figs 30-32; 1860-DescrCoqFoss: 787. — Type localities: Thiverval-Grignon, Houdan & Saint-Félix. — Type age: Eocene (Lutetian). *Microstagon terminale* (Deshayes, 1858) (Glibert & Van de Poel 1967: 5, as “1860”). — Current status: synonym of *Microstagon obliqua* (Lamarck, 1806) (Le Renard & Pacaud 1995: 80; Pacaud 2008: 87).

*tricarinata*, *Opis* – Deshayes, 1857-TraitElem: 129. — Type locality: Nattheim, Württemberg, Germany. — Type age: Coral-rag, Jurassic (Oxfordian). — Current status: *nomen dubium*.

*fittoni*, *Astarte* – Leymerie, 1841: 336, *nomen nudum*; 1842: 5, 24, pl. 6, fig. 2a-b, *ex* Deshayes ms. — Type localities: Chaource & Jully-sur-Sarce. — Type age: Cretaceous (Hauterivian).

*gigantea*, *Astarte* – Leymerie, 1841: 340, 341, *nomen nudum*; 1842: 5, 24, pl. 4, fig. 3a-c, *ex* Deshayes ms. — Type localities: Soulaines, Vendevre & Thieffain. — Type age: Cretaceous (Hauterivian). *Eriphyla gigantea* (Leymerie, 1842) (Yanin, 1980: 29). — Current status: *Tridonta gigantea* (Leymerie, 1842) (Ayoub-Hannaa *et al.* 2019: 161, pl. 1, figs M-N, as “Deshayes”).

*incrassata*, *Astarte* – Deshayes, 1835a: 321, *ex* Andrzejowski ms, *nomen nudum*. Sherborn (1927: 3164) credited Deshayes with this name, but the species intended was probably *Astarte incrassata* (Brocchi, 1814) [*Venus*].

*laticosta*, *Astarte* – Leymerie, 1841: 336, *nomen nudum*; 1842: 4-5, 24, pl. 4, figs 4a-b, 5a-b, *ex* Deshayes ms. — Type localities: Chaource & Jully-sur-Sarce. — Type age: Cretaceous (Hauterivian). The oldest name among several named species that may be synonyms of a single variable species (Ayoub-Hannaa *et al.* 2019: 158-159, pl. 1, figs H-I).

*obliqua*, *Astarte* – Deshayes, 1839-TraitElem: 14, pl. 22, figs 14-15. — Type locality: none given. — Type age: Jurassic. This was actually *Cypriocardia obliqua* Lamarck, 1819, the type species (SD Dall, 1903) of *Crassinella* Bayle, 1879, *non* Guppy, 1874; *Neocrassina* P. Fischer, 1887, replacement name (Neveeskaja *et al.* 2013: 289, fig. 105-22).

*oblongata*, *Astarte* – Leymerie, 1841: 341, *nomen nudum*; 1842: 5, 24, pl. 6, fig. 1a-c. — Type localities: Avalueur, Chenay & Marolles-sous-Lignières, France. — Type age: Cretaceous (Hauterivian).

*similis*, *Opis* – Listed by Arkadiev (2020: 60) as a Deshayes species, this originated as *Cardita similis* J. Sowerby, 1819.

#### REMARK

Since 1775 when rudists were illustrated for the first time, the Order Radiolitoidea had been placed with the brachiopods, corals, cephalopods or barnacles. Deshayes was among the first naturalists to determine that the group belonged in the Bivalvia. Even then, the placement in the Bivalvia “was opposed, however, by various naturalists, who continued to class the rudists as brachiopods, corals, or cirripeds” (Dechaseaux 1969: N749).

#### Family DICERATIDAE Dall, 1895

*boblayei*, *Diceras* – Deshayes, 1857-TraitElem: 90. — Type localities: Normandie & Saint-Mihiel, France. — Type age: Jurassic (Oxfordian). — Current status: *nomen dubium* (J. M. Pons, pers. comm., January 16, 2023).

*minor*, *Diceras* – Deshayes, 1839-TraitElem: 18, pl. 28, figs 7-8; 1857-TraitElem: 90-91, pl. 28, figs 7-8. — Type localities: Normandie & Saint-Mihiel. — Type age: Jurassic (Oxfordian). — Current status: *nomen dubium* (J. M. Pons, pers. comm., January 16, 2023).

#### Family EPIDICERATIDAE Renngarten, 1950

*sinistra*, *Diceras* – Deshayes, 1824-DictClass5: 466-467; 1825-Dict-Class: pl. [79], fig. 1a-c; 1830b-EncyMeth: 88; 1831-DictClass17: 118; 1835-HistNatAnim2: 578; 1839-HistNatAnim3: 681; 1857-TraitElem: 90, pl. 28, figs 5-6 [on pl. in error as figs “1-3”]. — Type locality: Saint-Mihiel. — Type age: Jurassic (Oxfordian). — Type species (OD) of *Epidiceras* Deschaseaux, 1952, the type genus of Epidiceratidae. — Current status: *Epidiceras sinistrum* (Deshayes, 1824) (Skelton & Smith 2000: 107, 122; Neveeskaja *et al.* 2013: 436, fig. 155-2; Skelton 2013: 13, fig. 2).

#### Family RADIOLITIDAE d’Orbigny, 1847

*plicata*, *Sphaerulites* – Deshayes, 1843-RegAnim: pl. 71, fig. 1, 1a. — Type locality: none given. — Type age: not stated. — Cur-



rent status: probably *Praeradiolites* or *Radiolites*, but *nomen dubium* (J. M. Pons, pers. comm., January 16, 2023).

*problematicus*, *Sphaerulites* – Deshayes, 1835b: 130, pl. 24, figs 27-28. — Type locality: Peloponnese Peninsula, Greece. — Type age: Cretaceous. — Current status: *nomen dubium*.

#### Family HIPPURITIDAE J. E. Gray, 1848

*brevis*, *Hippurites* – Deshayes, 1844-RegAnim: pl. 69 bis, fig. 3, 3a-c. — Type locality: none given. — Type age: not stated. Preoccupies *Hippurites brevis* Futterer, 1892, which is not recognizable. — Current status: young *Hippurites* or *Hippuritella* (J. M. Pons, pers. comm., January 16, 2023), *taxon inquirendum*.

*depressa*, *Hippurites* – Deshayes, 1832-EncyMeth: 283. — Type locality: Near Gap. — Type age: not stated. — Current status: *nomen dubium*.

*semicostellata*, *Hippurites* – Deshayes, 1835b: 130, pl. 26, fig. 12. — Type locality: Peloponnese Peninsula, Greece. — Type age: Cretaceous. *Nomen nudum* in Virlet (1833: 161). — Current status: *nomen inquirendum*.

#### Family ICHTHYOSARCOLITIDAE Douvillé, 1887 [1871]

*obliqua*, *Ichthyosarcolites* – Deshayes, 1825-DictClass8: 501. — Type locality: France. — Type age: Cretaceous (Cenomanian). — Current status: synonym of *Ichthyosarcolites triangularis* Desmarest, 1812, the type species (OD) of *Ichthyosarcolites* Desmarest, 1812 (Rineau & Villier 2018: 75), which is the type genus of Ichthyosarcolitidae.

#### Family MONOPLEURIDAE Munier-Chalmas, 1873

*costata*, *Sphaerulites* – Deshayes, 1857-TraitElem: vii, pl. 44 bis, figs 5-12. — Type locality: none given. — Type age: not stated. — Current status: probably *Monopleura* (J. M. Pons, pers. comm., January 16, 2023).

#### Family REQUIENIIDAE Kutassky, 1934

*roulandi*, *Sphaerulites* – Deshayes, 1844-RegAnim: pl. 69, fig. 1, 1a-b. — Type locality: none given. — Type age: not stated. — Current status: probably *Requienia* (J. M. Pons, pers. comm., January 16, 2023).

#### Family ARCTICIDAE Newton, 1891 [1844]

*beani*, *Cardium* – Deshayes, 1857-TraitElem: 48, 53. Replacement name for *Cardium globosum* Bean, 1839 (Bean 1839: 60, text-fig. 19), non F. A. Roemer, 1839 (Roemer 1839: 39, pl. 19, fig. 19). Hylleberg (2004: 399, as “1853”, 533). Because Bean’s article about British Middle Jurassic fossils was published in February, and Roemer’s 1839 book on German Jurassic fossils does not have a month date, Deshayes renamed the senior homonym. — Current status: synonym of what is now *Anisocardia globosum* (Bean, 1839).

*lumulata*, *Cyprina* – Deshayes, 1858-DescrCoqFoss: 546, 35, pl. 35, figs 19-21. — Type locality: Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). — Current status: synonym of *Arctica scutellaria* (Lamarck, 1806) (Le Renard & Pacaud 1995: 74).

*profunda*, *Cyprina* – Deshayes, 1844-RegAnim: pl. 102, fig. 2, 2a. No locality indicated; fossil. — Current status: *nomen inquirendum*.

#### Family TRAPEZIDAE E. Lamy, 1920 [1895]

*acutangula*, *Cypricardia* – Deshayes, 1858-DescrCoqFoss: 533, 57, pl. 57, figs 3-5 [in text figs listed as “3, 5”], non *Cypricardia acutangula* (Philips, 1829) [*Cardium*]. — Type localities: Mary-sur-Marne & Jaignes. — Type age: Eocene (Bartonian). Renamed *Anisocardia eocaenica* Bayan, 1873a (Bayan 1873a: 123), the type species (OD) of *Miocardiopsis* Glibert, 1936. — Current status: *Glossocardia (Miocardiopsis) eocaenica* (Bayan, 1873) (Le Renard & Pacaud 1995: 74).

*caillati*, *Cypricardia* – Deshayes, 1858-DescrCoqFoss: 535, 57, pl. 57, figs 1-2. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Straelenotrapezium caillati* (Deshayes, 1858) (Le Renard & Pacaud 1995: 73; Pacaud 2008: 89).

*chevalieri*, *Cypricardia* – Deshayes, 1858-DescrCoqFoss: 539-540, 57, pl. 57, figs 25-26. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Current status: *Trapezium (Neotrapezium) grignonense* (Deshayes, 1824) (Le Renard & Pacaud 1995: 73)

*coralliophaga*, *Petricola* – Deshayes, 1824-DescrCoqFoss: 68, 5, pl. 10, figs 8-10, non *Cypricardia coralliophaga* (Gmelin, 1791) [*Chama*]; 1832-EncyMeth: 748; 1835-HistNatAnim2: 160; 1839-HistNatAnim3: 555. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Current status: *Cypricardia tenuis* Deshayes, 1858, replacement name (see below).

*corbuloides*, *Cypricardia* – Deshayes, 1830b-EncyMeth: 44; 1835-HistNatAnim2: 441; 1839-HistNatAnim3: 639. — Type localities: Bayeux, Saint-Vigor & Caen. — Type age: Jurassic (Bajocian). — Current status: *nomen dubium*.

*cordiformis*, *Cypricardia* – Deshayes, 1830b-EncyMeth: 44; 1835-HistNatAnim2: 441; 1839-HistNatAnim3: 639; 1839-TraitElem: 16, pl. 24, figs 12-13; 1857-TraitElem: 16-17. — Type localities: Bayeux & Caen. — Type age: Jurassic (Bajocian). *Trapezium cordiformis* Deshayes, 1830 (H. B. Woodward 1894: 47, fig. 19, 559, as *Cypricardia*). *Pseudotrapezium bathonicum* (d’Orbigny, 1850a: 308, no. 220) [*Cypricardia*], is a synonym of this species and is the type species (M) of *Pseudotrapezium* P. Fischer, 1887. — Current status: *Pseudotrapezium cordiforme* (Deshayes, 1830) (Freneix *et al.* 1956: 19-20, pl. 1, fig. 13a-b).

*dolosa*, *Cypricardia* – Deshayes, 1863: 13-14, pl. 2, figs 6-7. — Type locality: La Réunion. — Type age: Recent. — Current status: synonym of *Trapezium bicarinatum* (Schumacher, 1817) [*Libitina*] (Huber 2015: chapter 5 on CD).

*duperreyi*, *Cypricardia* – Deshayes, 1839d: 359; 1841: 2, pl. 27. — Type locality: “California”. — Type age: Recent. — Current status: synonym of the Indo-Pacific *Trapezium oblongum* (Linnaeus, 1758) [*Chama*] (Huber 2010a: 356; 2015: chapter 5 on CD).

*elegans*, *Petricola* – Deshayes, 1824a: 255, 258, pl. 15, fig. 12a-c; 1824-DescrCoqFoss: 67-68, 5, pl. 10, figs 1-2; 1832-EncyMeth: 748; 1835-HistNatAnim2: 160; 1839-HistNatAnim3: 555; 1858-DescrCoqFoss: 539, as *Cypricardia*. — Type locality: Valmondois. — Type age: Eocene (Bartonian). *Trapezium (Coralliophaga) elegans* (Deshayes, 1824) (Glibert & Van de Poel 1966b: 29). — Current status: *Coralliophaga elegans* (Deshayes, 1824) (Le Renard & Pacaud 1995: 73).

*grignonensis*, *Saxicava* – Deshayes, 1824-DescrCoqFoss: 64-65, 5, pl. 9, figs 18-19; 1829-DictClass15: 204; 1832-EncyMeth: 928; 1835-HistNatAnim2: 154; 1839-HistNatAnim3: 553. — Type

locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Trapezium (Neotrapezium) grignonense* (Deshayes, 1824) (Glibert & Van de Poel 1966b: 28; Le Renard & Pacaud 1995: 73; Pacaud 2008: 89).

*irregularis*, *Cypricardia* – Deshayes, 1858-*DescrCoqFoss*: 536-537, 57, pl. 57, figs 16-17. — Type localities: Auvers-sur-Oise & Le Fayel. — Type age: Eocene (Bartonian). — Current status: *Trapezium (Neotrapezium) grignonense* (Deshayes, 1824) (Le Renard & Pacaud 1995: 73)

*mediterranea*, *Cypricardia* – Deshayes, 1857-*TraitElem*: 18. — Type localities: France. — Type age: Recent. Also fossil in Italy. — Current status: Probable synonym of *Coralliophaga lithophagella* (Lamarck, 1819) [*Cardita*] (Bucquoy *et al.* 1892: 320).

*modesta*, *Cypricardia* – Deshayes, 1863: 14-15, pl. 2, figs 8-9. — Type locality: La Réunion. — Type age: Recent. — Current status: synonym of *Trapezium oblongum* (Linnaeus, 1758) [*Chama*] (Huber 2015: chapter 5 on CD).

*modiolaris*, *Saxicava* – see next entry.

*modiolina*, *Saxicava* – Deshayes, 1824a: 254-255, 258, pl. 15, fig. 11; 1824-*DescrCoqFoss*: 65, 5 [as *S. “modiolaris”*], pl. 9, figs 27-29; 1832-*EncyMeth*: 928; 1835-*HistNatAnim2*: 154-155; 1839-*HistNatAnim3*: 553; 1837-*DescrCoqFoss*: 810 [error in pl. expl. corrected]; 1858-*DescrCoqFoss*: 540-541, as *Cypricardia*. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Current status: *Trapezium (Neotrapezium) grignonense* (Deshayes, 1824) (Le Renard & Pacaud 1995: 73)

*obducta*, *Cypricardia* – Deshayes, 1858-*DescrCoqFoss*: 537, 57, pl. 57, figs 20-22. — Type localities: Damery & Mouy. — Type age: Eocene (Lutetian). — Current status: *Trapezium (Neotrapezium) grignonense* (Deshayes, 1824) (Le Renard & Pacaud 1995: 73)

*oblonga*, *Cypricardia* – Deshayes, 1829-*DescrCoqFoss*: 185-186, 16, pl. 31, figs 3-4, *non* (Linnaeus, 1758) [*Chama*]; 1830b-*EncyMeth*: 44-45; 1835-*HistNatAnim2*: 440; 1839-*HistNatAnim3*: 639; 1839-*TraitElem*: 16, pl. 24, figs 8-9. — Type localities: Chaumont-en-Vexin, Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: synonym of *Straelenotrapezium brocchii* (Defrance, 1828) [*Venerupis*] (Le Renard 1992: 2).

*parisiensis*, *Cypricardia* – Deshayes, 1857-*TraitElem*: 17-18; 1858-*DescrCoqFoss*: 534-535, replacement name for *Cypricardia oblonga* Deshayes, 1829, *non* (Linnaeus, 1767) [*Chama*]. — Type localities: Chaumont-en-Vexin, Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Type species (OD) of *Vanstraelenia* Glibert & Van de Poel, 1966, *non* Chabanaud, 1950 [Pisces]; *Straelenotrapezium* Glibert & Van de Poel, 1970: 179, replacement name. Possibly Trapezidae (Maestrati & Lozouet 1995: 186, misstating the type species to be *Venerupis brocchii* Defrance, 1828). *Trapezium (Straelenotrapezium) parisiensis* (Deshayes, 1857) (Glibert & Van de Poel 1966b: 26-27; 1970: 179). — Current status: *Straelenotrapezium brocchii* (Defrance, 1828) [*Venerupis*] (Le Renard 1992: 2).

*pulchra*, *Cypricardia* – Deshayes, 1858-*DescrCoqFoss*: 538, 57, pl. 57, figs 27-30. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Current status: *Coralliophaga pulchra* (Deshayes, 1858) (Le Renard & Pacaud 1995: 73; Pacaud 2008: 89).

*silicula*, *Cypricardia* – Deshayes, 1858-*DescrCoqFoss*: 537-538, 57, pl. 57, figs 23-24. — Type locality: Le Fayel. — Type age: Eocene (Bartonian). — Current status: *Trapezium (Neotrapezium) grignonense* (Deshayes, 1824) (Le Renard & Pacaud 1995: 73)

*tenuis*, *Cypricardia* – Deshayes, 1858-*DescrCoqFoss*: 540, 57, pl. 57, figs 18-19, *non* Rousseau, 1854 (Rousseau 1854: 118, pl. 26, 5). Replacement name for *Petricola coralliophaga* Deshayes, 1824 (see above), *non* *Cypricardia coralliophaga* (Gmelin, 1791) [*Chama*]. — Type localities: Cuise-la-Motte, Chaumont-en-Vexin, Mouchy-le-Châtel & Hermonville. — Type age: Eocene (Ypresian-Lutetian). Renamed *Coralliophaga chartacea* Bayan, 1873a (Bayan 1873a: 122), an unnecessary replacement name. — Current status: synonym of *Trapezium (Neotrapezium) grignonense* (Deshayes, 1824) (Le Renard & Pacaud 1995: 73).

*vaginoides*, *Saxicava* – Deshayes, 1824-*DescrCoqFoss*: 66, 5, pl. 9, figs 25-26; 1832-*EncyMeth*: 928; 1835-*HistNatAnim2*: 154; 1839-*HistNatAnim3*: 553; 1858-*DescrCoqFoss*: 541, as *Cypricardia*. — Type locality: Acy-en-Multien. — Type age: Eocene (Bartonian). — Current status: synonym of *Trapezium (Neotrapezium) grignonense* (Deshayes, 1824) (Le Renard & Pacaud 1995: 73)

*affinis*, *Coralliophaga* – Cossmann & Peyrot (1912c: 466-467) listed this Deshayes ms name from a collection label in the École de Mines as being equivalent to the Miocene *Coralliophaga deshayesi* (Mayer, 1861) [*Cypricardia*].

*antiqua*, *Cypricardia* – Sherborn (1922: 17) listed this species, as a Deshayes *nomen nudum*, from a paper by Boué (1835: 47). It appears there with a footnote only acknowledging Deshayes' help, so this dangling *nomen nudum* should be credited exclusively to Boué.

#### Family CARDIIDAE Lamarck, 1809

*Cardium (Discors)* – Deshayes, 1858-*DescrCoqFoss*: 553, 569-570. — Type species (T): *Cardium discors* Lamarck, 1805, *non* Montagu, 1803. *Cardium parisiense* d'Orbigny, 1850b (d'Orbigny 1850b: 387, no. 984), replacement name. Hylleberg (2004: 471-472; Neveeskaja *et al.* 2013: 339, fig. 121-6). — Current status: *Discors* is a valid genus.

*Globus* – Deshayes, 1832-*EncyMeth*: 170, *ex* Klein ms. Not used as a valid name, but associated with this family.

*absconditum*, *Cardium* – Deshayes, 1857-*TraitElem*: 48. Replacement name for *Cardium incertum* Deshayes, 1838 (see below), *non* J. Phillips, 1829, *nec* Bronn, 1832, *nec* Goldfuss, 1837. Listed by Hylleberg (2004: 361, as “1853”, 564). — Type locality: Crimean Peninsula. — Type age: Pliocene. Hylleberg (2004: 380) also listed a *Cardium ansconditum* Deshayes, 1857, without a page number, no doubt an error for this species. — Current status: *Pontalmyra absconditum* (Deshayes, 1857) (Neveeskaja *et al.* 1997: 50, pl. 10, figs 1-20, pl. 11, figs 1-4; Taviani *et al.* 2007: 353-254, fig. 2: 1-2, fig. 3, both as *P. incerta*). However, the homonym had already been replaced as *Cardium edouardi* d'Orbigny, 1852 (d'Orbigny 1852: 120, no. 2250), thus *Pontalmyra edouardi* (d'Orbigny, 1852).

*acardo*, *Cardium* – Deshayes, 1838a: 58-59, [ii], pl. 4, figs 1-5. — Type locality: Crimean Peninsula. — Type age: Pliocene. — Type species (M) of *Arcicardium* P. Fischer, 1887. — Current status: *Arcicardium acardo* (Deshayes, 1838). (Neveeskaja *et al.* 1997: 126-127, pl. 59, figs 1-8, pl. 60, fig. 1; Neveeskaja *et al.* 2001: S198; Hylleberg 2004: 362; Neveeskaja *et al.* 2013: 357, fig. 129-3).

*aequale*, *Cardium* – Deshayes, 1855c: 332. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 1974136, holotype. *Corculum aequale* (Deshayes, 1855) from the Andaman Sea (Hylleberg 2004: 369, 913, misdated in header as “1854”; Huber 2010a: 299). — Current status: *Corculum cardissa* “forma” *aequale* (Deshayes, 1855) (Poppe 2017: 86, pl. 1343, fig. 2).



*alveolatum*, *Cardium* – Deshayes, 1857-TraitElem: 64. A new species based on a German fossil record of *Cardium striatulum* Brocchi, 1814, by Goldfuss (1837: 223, pl. 145, fig. 5). — Type locality: Kassel, Germany. — Type age: Oligocene (Chattian). Listed by Hylleberg (2004: 375). — Current status: *nomen inquirendum*.

*angulosum*, *Cardium* – Deshayes, 1857-TraitElem: 47. Replacement name for *Cardium carinatum* Deshayes, 1838 (see below), non Bronn, 1832. — Current status: *Plagiodacna angulosa* (Deshayes, 1857) (Glibert & Van de Poel 1970: 63; Hylleberg 2004: 379, as “1853”, 428; Neveeskaja et al. 2013: 357, fig. 129-4, but as *P. “carinatum”*).

*aperturatum*, *Cardium* – Deshayes, 1857-TraitElem: 48. Replacement name for *Cardium emarginatum* Deshayes, 1838 (see below), non Deshayes, 1829. Hylleberg (2004: 382, as “1853” and once as “*aperta*”, 500, as “1837”). *Bosphoricardium emarginatum* (Deshayes, 1853) (Neveeskaja et al. 2013: 343, fig. 123-1). However, the homonym had already been replaced as *Cardium subemarginatum* d’Orbigny, 1852 (d’Orbigny 1852: 119, no. 2238). — Current status: *Bosphoricardium subemarginatum* (d’Orbigny, 1852).

*austriacum*, *Cardium* – Deshayes, 1857-TraitElem: 49, non Hauer, 1853. New species for a fossil figured as *Cardium umbonatum* J. Sowerby, 1817, by Goldfuss (1837: 223, pl. 145, fig. 6). — Type locality: Vienna, Austria. — Type age: Neogene. Hylleberg (2004: 395, as “1853”, 820).

*aviculinum*, *Cardium* – Deshayes, 1829-DescrCoqFoss: 179-180, 17, pl. 35, figs 1-3 [in text as “pl. 33”; 1837-DescrCoqFoss: 810 [error corrected]; 1858-DescrCoqFoss: 551. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Type material: MNHN.F.A85537, holotype (Brongniart coll.). Original material did not come from Thiverval-Grignon, but more likely from the Quaternary or Recent (Deshayes, 1858: 551). Listed by Hylleberg (2004: 395). — Current status: likely synonym of *Fragum fragum* (Linnaeus, 1758) (Pacaud herein).

*bazini*, *Cardium* – Deshayes, 1858-DescrCoqFoss [May]: 552 [*nomen nudum*]; 1858-DescrCoqFoss [August]: 553-554, 56, pl. 56, figs 1-4 [in text as pl. 57]; 1865-DescrCoqFoss: 665 [error noted]. — Type localities: Bracheux, Jonchery-sur-Vesle, Gueux & Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). 1858: 552. *Cardium (Cardium) bazini* Deshayes, 1858 (Glibert & Van de Poel 1970: 57). *Cardium (Bucardium) bazini* Deshayes, 1858 (Le Renard & Pacaud 1995: 74; Hylleberg 2004: 398-399). — Current status: *Bucardium bazini* (Deshayes, 1858) (Leroy et al. 2014: 28, pl. 11, figs 6-7).

*bicolor*, *Cardium* – Deshayes, 1855c: 330. — Type locality: none given; Cuming coll. — Type age: Recent. — Current status: *taxon inquirendum* (Hylleberg 2004: 404).

*bouei*, *Cardium* – Deshayes, 1858-DescrCoqFoss: 567; 55, as *Cardium pulchrum*, pl. 55, figs 25-28. *Cardium pulchrum* Deshayes, 1858, is non Reeve, 1845. — Type localities: Thiverval-Grignon, Auvers-sur-Oise, Beauchamp, Montigny, Le Guépelle, Beauval, La Ferté-sous-Jouarre, Saint-Sulpice, Ézanville, Le Fayel & Verneuill. — Type age: Eocene (Bartonian). — Current status: *Loxocardium bouei* (Deshayes, 1858) (Glibert & Van de Poel 1970: 48; Le Renard & Pacaud 1995: 74; Hylleberg 2004: 409, 742; Pacaud 2008: 90; Courville et al. 2012: 59, pl. 1, fig. 11).

*brevalatum*, *Cardium* – Deshayes, 1857-TraitElem: 48. Replacement name for *Cardium semialatum* Andrzejowski, 1832 (Andrzejowski 1832: 565) [*nomen nudum*], non Münster, 1840. — Type locality: none given. — Type age: not stated. Hylleberg (2004: 411, as “1853”, 757). A doubly unnecessary replacement name for a senior homonym that was a *nomen nudum*. Thus, also a *nomen nudum*. Münster’s species is a *Honeoyea* in the Praecardiidae.

*buvignieri*, *Cardium* – Deshayes, 1857-TraitElem: 49. Replacement name for *Cardium striatum* Buvignier, 1843 (Buvignier 1843: 229-230, pl. 2, figs 20-21), non Wulff, 1790, nec Wuleus, 1793, nec Spengler, 1799, nec DeFrance, 1817, nec J. de C. Sowerby, in Murchison, 1839, nec (de Koninck, 1842). — Type locality: Saint Mihiel. — Type age: Jurassic. The type species (SD Cossmann, 1906) of *Pterocardia* Bayan, 1874, is *Cardium corallinum* Leymeire, 1846, non Linnaeus, 1758, which has been regarded as a synonym of this Deshayes species. — Current status: *Pterocardia buvignieri* (Deshayes, 1857) (Hylleberg 2004: 416-417, as “1853”, 799; Neveeskaja et al. 2013: 366, fig. 133-10; Fürsich & Pan 2014: 30, 36, pl. 11, fig. 11).

*californiense*, *Cardium* – Deshayes, 1839d: 360; 1841: 2, pl. 47. — Type locality: California; Mr. Chiron. — Type age: Recent. — Type material: MNHN-IM-2000-3970, syntype; MNHN-IM-2000-3971, syntype. — Type species (OD) of *Keenocardium* Kafanov, 1974. Kafanov (1974), believing that *Cardium boreale* Broderip & G. B. Sowerby I, 1829, was an overlooked earlier name for this species, requested that the International Commission on Zoological Nomenclature suppress it. However, after comments by Heppell (1984), it was decided that the older name is a *nomen dubium*, and the petition was not accepted (Melleville, 1984). — Current status: *Keenocardium californiense* (Deshayes, 1839) (Coan et al. 2000: 354-355; Hylleberg 2004: 417, 852, who also noted a misspelling of this name by Gladenkov & Sinelnikova (1990) as *C. “californense”*; Qi 2004: 262, pl. 144, fig. N; Kantor & Sysoev 2005: 355; Huber 2010a: 308; Neveeskaja et al. 2013: 341, fig. 122-3; Matsukuma, in Okutani 2017: 1239, pl. 534, fig. 9).

*carinatum*, *Cardium* – Deshayes, 1838a: 54, [i], pl. 2, figs 16-18, non Bronn, 1832. — Type locality: Crimean Peninsula. — Type age: Pliocene. *Cardium angulosum* Deshayes, 1857, replacement name. — Type species (SD Cossmann, 1904) of *Plagiodacna* Andrussov, 1903. — Current status: *Plagiodacna angulosa* (Deshayes, 1857) (Neveeskaja et al. 1997: 129, pl. 61, figs 3-10; Neveeskaja et al. 2001: S199, both without noting the replacement name).

*caspicum*, *Cardium* – Deshayes, 1857-TraitElem: 45. Spelling error for *Cardium caspium* Reeve, 1845.

*cleryi*, *Cardium* – Deshayes, 1857-TraitElem: 47. Replacement name for *Cardium acuticostatum* d’Orbigny, 1841 (pl. 12, figs 19-22), 1843 (p. 120-121), non Münster, 1834. — Type localities: Isla Quiriquina, north of Concepcion, Chile & Paita, Peru; “Tertiary” [Cretaceous (Campanian/Maastrichtian)]. — Type material: MNHN.F.A24901, lectotype; MNHN.F.R05697, MNHN.F.A13876, 23 paralectotypes from Isla Quiriquina; MNHN.F.A13876, 1 paralectotype from Paita, Peru. Hylleberg (2004: 366, 442, as “1853”). Listed by Freneix & Grant-Mackie (1978: 513) as “*Cardium acuticostatum* d’Orbigny, 1842”, not knowing about the replacement name and misdating the species. — Current status: *Bucardium cleryi* (Deshayes, 1857).

*convexum*, *Cardium* – Deshayes, 1858-DescrCoqFoss: 559, 55, pl. 55, figs 18-21. — Type locality: Aizy-Jouy. — Type age: Eocene (Ypresian). — Type material: MNHN.F.A27175, syntype. *Cardium (Vepriocardium) convexum* (Deshayes, 1858) (Glibert & Van de Poel 1970: 50-51). — Current status: *Agnocardia convexum* (Deshayes, 1858) (Le Renard & Pacaud 1995: 74; Hylleberg 2004: 448).

*corbuloides*, *Cardium* – Deshayes, 1838a: 54-55, [i], pl. 1, figs 11-13. — Type locality: Crimean Peninsula. — Type age: Pliocene. — Type species (OD) of *Sinupontalmyra* Papaianopol, 1981, but which is probably unavailable because there is no diagnosis (ICZN Code Art. 13.1.1). — Current status: *Pseudocatillus corbuloides* (Deshayes, 1838) (Neveeskaja et al. 1997: 73, p. 25, figs 9-20, pl. 26, figs 1-4; Neveeskaja et al. 2001: S192).

*crassatellatum*, *Cardium* – Deshayes, 1838a: 51, [i], pl. 3, figs 7-10. — Type locality: Crimean Peninsula. — Type age: Pliocene. *Didacna crassatellata* (Deshayes, 1838) (Hylleberg 2004: 454-455). — Type

species (OD) of *Crassadacna* Ebersin, 1962. *Didacna* (*Crassadacna*) *crassatellatum* (Deshayes, 1838) (Glibert & Van de Poel 1970: 63). — Current status: *Pontalmyra crassatellata* (Deshayes, 1838) (Neveeskaja *et al.* 1997: 65, pl. 22, figs 1-8; Neveeskaja *et al.* 2001: S191).

*cygnorum*, *Cardium* – Deshayes, 1855c: 331. — Type locality: Moluccas; Cuming coll. — Type age: Recent. — Type material: NHMUK 1971023, 3 syntypes. — Current status: *Acrosterigma cygnorum* (Deshayes, 1855) (Wilson & Stevenson 1977: 89-92; Vidal 1999: 279-280, figs 2K, 3A-B; Hylleberg 2004: 460, 874, 892, 927; Huber 2010a: 296).

*debile*, *Cardium* – Deshayes, 1855c: 332. — Type locality: China; Cuming coll. — Type age: Recent. — Current status: *taxon inquirendum* (Hylleberg 2004: 463-464).

*defectum*, *Cardium* – Deshayes, 1857-TraitElem: 47. New species based on *Cardium decussatum* Mantell, 1828, as figured by Münster, in Goldfuss (1837: 222, pl. 145, fig. 2). — Type locality: Koesfeld, Germany. — Type age: Cretaceous. Hylleberg (2004: 464, as “1853”). — Current status: *nomen inquirendum*.

*defrancii*, *Cardium* – Deshayes, 1858-DescrCoqFoss: 560-561, 56, pl. 56, figs 25-28. — Type localities: Etréchy, Jeurre & Morigny-Champigny. — Type age: Oligocene (Rupelian). *Parvicardium defrancii* (Deshayes, 1858) (Glibert & Van de Poel 1970: 43, as *P. “defrancei”*). — Current status: *Afrocardium defrancii* (Deshayes, 1858) (Hylleberg 2004: 464-465; Lozouet & Maestrati 2012a: 254, 256, fig. 162: 17-20, both as *A. “defrancei”*).

*depressum*, *Cardium* – Deshayes, 1838a: 47-48, [i], pl. 2, figs 19-23. — Type locality: Crimean Peninsula. — Type age: Pliocene. *Didacna depressa* (Deshayes, 1838) (Hylleberg 2004: 466). — Current status: *Oraphocardium depressum* (Deshayes, 1838) (Neveeskaja *et al.* 1997: 88, pl. 34, figs 1-4; Neveeskaja *et al.* 2001: S194).

*difficile*, *Cardium* (*Protocardia*) – Deshayes, 1858-DescrCoqFoss: 572, 55, pl. 55, figs 6-7. — Type locality: Cuisy-en-Almont. — Type age: Eocene (Ypresian). Synonym of *Protocardium hornesi* (Deshayes, 1858) (Cossmann 1886a: 176-177; Hylleberg 2004: 470, 554, who misspelled the latter name as “*hoernesi*”). — Current status: *Nemocardium hornesi* (Deshayes, 1858) (Le Renard & Pacaud 1995: 75).

*disceptum*, *Cardium* – Deshayes, 1858-DescrCoqFoss: 564, 56, pl. 56, figs 15-17. — Type locality: Auvers-sur-Oise. — Type age: Eocene (Bartonian). Synonym of *Loxocardium obliquum* (Lamarck, 1805) [*Cardium*] (Hylleberg 2004: 471, 658). However, Lamarck's species is a primary junior homonym, *non* Spengler, 1799, although the latter is now considered to be a synonym of the living *Dinocardium robustum* ([Lightfoot], 1786) [*Cardium*]. *Cardium disceptum* and *Cardium bouei* Deshayes, 1858, are both synonyms. Here we apply ICZN Code Art. 24.2.2 and give precedence to *Cardium bouei*, published at the same date and in the same work, and consider *Cardium disceptum* Deshayes, 1858, to be a subjective synonym. — Current status: synonym of *Loxocardium bouei* (Deshayes, 1858).

*dulce*, *Cardium* – Deshayes, 1863: 12-13, pl. 2, figs 4-5. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-3979, lectotype; MNHN-IM-2000-3980, 4 paralectotypes. — Current status: *Fulvia* (*Fulvia*) *dulcis* (Deshayes, 1863) (Hylleberg 2004: 477-478, 888 – paralectotype).

*edentulum*, *Cardium* – Deshayes, 1838a: 57-58, [i], pl. 3, figs 3-6, *non* Montagu, 1808, *nec* J. Fleming, 1813. — Type locality: Crimean Peninsula. — Type age: Pliocene. *Cardium subedentulum* d'Orbigny, 1852 (d'Orbigny 1852: 120, no. 2251), replacement name. — Type species (M) of *Pteradacna* Andrusov, 1907. — Current status: *Didacna* (*Pontalmyra*) *edentula* (Deshayes, 1838) (Glibert & Van de Poel 1970: 63). *Pteradacna subedentula* (d'Orbigny, 1852)

(Hylleberg 2004: 484, 783; Neveeskaja *et al.* 1997: 90, pl. 35, figs 1-10; 2001: S194; 2013: 353, fig. 127-4, all without noting the replacement name).

*edwardsi*, *Cardium* (*Protocardia*) – Deshayes, 1858-DescrCoqFoss[May]: 552 [*nomen nudum*]; 1858-DescrCoqFoss[August]: 571-572. — Type localities: Bracheux, Abbecourt, Noailles, Jonchery-sur-Vesle, Gueux, Châlons-sur-Vesle, Trigny & Brimont; La Palarea & Le Puget. — Type age: Paleocene (Thanetian). *Nemocardium* (*Nemocardium*) *edwardsi* (Deshayes, 1858) (Glibert & Van de Poel 1970: 29; Le Renard & Pacaud 1995: 74; Leroy *et al.* 2014: 28, pl. 11, figs 9-10). — Current status: synonym of *Nemocardium semigranulatum* (J. Sowerby, 1816) (Hylleberg 2004: 492, who mistakenly credited the latter to Deshayes; corrected on his p. 758).

*elegantulum*, *Cardium* – Deshayes, 1857-TraitElem: 48, *non* Möller, 1842, *nec* F. A. Roemer, 1849, *nec* d'Orbigny, 1850. Replacement name for *Cardium elegans* Nyst, 1845a (Nyst 1845a: 192-193, pl. 7, figs 1b, d), *non* (Münster, 1840) [*Cardiola*]. — Type locality: Vliermael, Belgium. — Type age: Tertiary. Hylleberg (2004: 494, 495, as “1853”). — Current status: synonym of *Cardium subelegans* d'Orbigny, 1852 (d'Orbigny 1852: 21), an earlier replacement name for Nyst's homonym.

*emarginatum*, *Cardium* – Deshayes, 1829-DescrCoqFoss: 178-179, 15 [as *C. “marginatum”*], pl. 29, figs 3-4; 1835-HistNatAnim2: 422-423; 1839-HistNatAnim3: 634; 1837-DescrCoqFoss: 811 [error in pl. expl. corrected]; 1858-DescrCoqFoss: 576, as *Cardium* (*Hemicardium*). — Type locality: Thiverval-Grignon. — Type age: Eocene (Bartonian). — Type species (OD) of *Byssocardium* Tournouër, 1882, *ex* Munier-Chalmas ms. *Avicularium* (*Byssocardium*) *emarginatum* (Deshayes, 1829) (Glibert & Van de Poel 1970: 68). — Current status: *Byssocardium emarginatum* (Deshayes, 1829) (Le Renard & Pacaud 1995: 75; Hylleberg 2004: 499, 500; Neveeskaja *et al.* 2013: 419, fig. 153-2).

*emarginatum*, *Cardium* – Deshayes, 1838a: 48, [i], pl. 1, figs 7-10, *non* Deshayes, 1829. — Type locality: Crimean Peninsula. — Type age: Pliocene. *Cardium aperturatum* Deshayes, 1857, replacement name (see above). — Type species (OD) of *Bosphoricardium* Eberzin, 1947. *Lymnocardium aperturatum* (Deshayes, 1857) (Hylleberg 2004: 382, as “1853”, 500, as “1837”). *Bosphoricardium emarginatum* (Deshayes, 1853) (Neveeskaja *et al.* 2013: 343, fig. 123-1). However, the homonym had already been replaced as *Cardium subemarginatum* d'Orbigny, 1852 (d'Orbigny 1852: 119, no. 2238). — Current status: *Bosphoricardium subemarginatum* (d'Orbigny, 1852).

*fabricii*, *Cardium* – Deshayes, 1855c: 333. — Type locality: Greenland; Cuming coll. — Type age: Recent. — Type material: NHMUK 1974138, 3 syntypes. — Current status: synonym of *Serripes* (*Serripes*) *groenlandicus* (Mohr, 1786) (Hylleberg 2004: 509, 854 – syntype; Kantor & Sysoev 2005: 356).

*festivum*, *Cardium* – Deshayes, 1855c: 332. — Type locality: New Ireland Island, Papua New Guinea; Cuming coll. — Type age: Recent. — Type material: NHMUK 1974134, 3 syntypes. — Type species (OD) of *Microfragum* Habe, 1951. — Current status: *Microfragum festivum* (Deshayes, 1855) (Hylleberg 2004: 512, 888 – syntypes; Huber 2010a: 300; Poorten, in Poppe 2011: 218, pl. 1104, figs 2-4; Matsukuma, in Okutani 2017: 1237, pl. 532, fig. 13).

*forbesii*, *Cardita* – Deshayes, 1857-TraitElem: 170. Replacement name *Cardita striata* Forbes, 1846 (Forbes 1846: 144, pl. 14, fig. 1), *non* J. Sowerby, 1815, *nec* Geinitz, 1840, *nec* F. A. Roemer, 1841. — Type locality: Pondicherry, India. — Type age: Cretaceous. *Protocardium forbesi* (Deshayes, 1857) (Stoliczka 1871: 213, as *P. “forbesi”*). *Protocardium* Geinitz, 1874, is an unjustified emendation of *Protocardia* Beyrich, 1845. — Current status: *Protocardia forbesi* (Deshayes, 1857).



*formosum*, *Cardium* – Deshayes, 1858-*DescrCoqFoss*: 563-564, 56, pl. 56, figs 8-11. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Type species (SD Crosse, 1887) of *Loxocardium* Cossmann, 1886. — Current status: *Loxocardium formosum* (Deshayes, 1858) (Glibert & Van de Poel 1970: 48; Le Renard & Pacaud 1995: 74; Hylleberg 2004: 517-518, 605; Neveeskaja *et al.* 2013: 339, fig. 122-5).

*fraterculus*, *Cardium* (*Protocardia*) – Deshayes, 1858-*DescrCoqFoss*: 575, 54, pl. 54, figs 4-6. — Type localities: Chaumont-en-Vexin, Les Groux & Parnes. — Type age: Eocene (Lutetian). — Current status: *Nemocardium* (*Nemocardium*) *fraterculus* (Deshayes, 1858) (Glibert & Van de Poel 1970: 29; Hylleberg 2004: 523; Le Renard & Pacaud 1995: 75; Pacaud 2008: 90).

*fraudator*, *Cardium* (*Protocardia*) – Deshayes, 1858-*DescrCoqFoss*: 570-571, 54, pl. 54, figs 7-8. — Type locality: Retheuil. — Type age: Eocene (Ypresian). — Current status: *Nemocardium* (*Nemocardium*) *wateleti* (Deshayes, 1858) (Cossmann, 1986: 164. — Current status: *Nemocardium wateleti* (Deshayes, 1858) (Le Renard & Pacaud 1995: 74; Hylleberg 2004: 523).

*gosei*, *Cardium* – Deshayes, 1855c: 330. West Indies; Cuming coll. — Type age: Recent. — Current status: synonym of *Dalloccardia muricata* (Linnaeus, 1758) [*Cardium*] (Hylleberg 2004: 535, as *Trachycardium*).

*gourieffi*, *Cardium* – Deshayes, 1838a: 52, [i], pl. 3, figs 1-2. — Type locality: Crimean Peninsula. — Type age: Pliocene. — Current status: *Pontalmyra gourieffi* (Deshayes, 1838) (Neveeskaja *et al.* 1997: 62, pl. 18, figs 1-8; Neveeskaja *et al.* 2001: S192; Hylleberg 2004: 535).

*gratiosum*, *Cardium* – Deshayes, 1855c: 331. — Type locality: Moluccas; Cuming coll. — Type age: Recent. — Type material: NHMUK 1974132, 3 syntypes. — Current status: synonym of *Vasticardium flavum* (Linnaeus, 1758 [*Cardium*]) (Hylleberg 2004: 538, 862 – syntypes).

*gratum*, *Cardium* – Deshayes, 1829-*DescrCoqFoss*: 165-166, 14, pl. 28, figs 3-5, *ex* Defrance ms. — Type localities: Mouchy-le-Châtel, Châteaurouge, Hermes, Parnes. — Type age: Eocene (Lutetian). Listed by Hylleberg (2004: 538, as “Defrance in Deshayes, 1825”). — Current status: *Cardium* (*Orthocardium*) *gratum* Deshayes, 1829 (Glibert & Van de Poel 1970: 52; Pacaud 2008: 90, both references as “Defrance in Deshayes”).

*haldeni*, *Cardium* – Deshayes, 1857-TraitElem: 47. Replacement name for *Cardium concentricum* Forbes, 1845 (Forbes 1845: 408, figs a-b), *non* Klöden, 1834. — Type locality: Haldon Hill, England. — Type age: Greensand, Cretaceous (Albian). Hylleberg (2004: 446, 543, as “1853”). Forbes (1845) stated that this species is very close to his own *Cardium sphaeroideum* Forbes (1845), the type species (OD) of *Globocardium* Hayami, 1956 (C. P. Palmer 1974b: 172-174). — Current status: *Globocardium haldeni* (Deshayes, 1857) seems likely.

*hybridum*, *Cardium* – Deshayes, 1829-*DescrCoqFoss*: 168-169, 14, pl. 28, figs 1-2; 1835-HistNatAnim2: 420, as *C. hybridum*; 1839-HistNatAnim3: 633, as *C. hybridum*; 1858-*DescrCoqFoss*: 554-555, as *C. hybridum*. — Type localities: Bracheux & Abbecourt. — Type age: Paleocene (Thanetian). — Current status: *Cardium* (*Orthocardium*) *hybridum* Deshayes, 1829 (Glibert & Van de Poel 1970: 52, as *C. “hybridum”* and as “1825”; Le Renard & Pacaud 1995: 74, as “*C. hybridum*”; Hylleberg 2004: 551, as “1825”).

*hornesi*, *Cardium* (*Protocardia*) – Deshayes, 1858-*DescrCoqFoss*: 574, pl. 54, figs 9-11. — Type localities: Cuise-la-Motte, Laon & Mons-en-Laonnois. — Type age: Eocene (Ypresian). While Deshayes may have had the intention of honoring Moriz Hörnes with this name, he did not say so, and his original spelling has to stand. — Current status: *Nemocardium* (*Nemocardium*) *hornesi* (Deshayes,

1858) (Glibert & Van de Poel 1970 29; Hylleberg 2004: 554, as *C. “hoernesii”*; Le Renard & Pacaud 1995: 75).

*hudsoniense*, *Cardium* – Deshayes, 1855c: 331. — Type locality: Hudson Bay, Canada; Cuming coll. — Type age: Recent. — Type material: NHMUK 1974130, holotype. — Current status: synonym of *Parvicardium pinnulatum* (Conrad, 1831) [*Cardium*] (Hylleberg 2004: 555, 890 – holotype).

*huoti*, *Cardium* – Deshayes, 1857-TraitElem: 45, 48. Replacement name for *Cardium planicostatum* Deshayes, 1838 (see below), *non Cardium planicostatum* G. B. Sowerby I, 1833, *nec* J. de C. Sowerby, in Sedgwick & Murchison, 1832. On p. 45, Deshayes rendered the species to be renamed as *C. “paucicostatum”*, but that is a different Deshayes species. Hylleberg (2004: 557, as “1837”, 699). However, the name had already been replaced as *Cardium subplanicostatum* d’Orbigny, 1852 (d’Orbigny 1852: 119, no. 2246), but the oldest available name for this species is *Cardium verneuilli*. — Current status: *Pontalmyra verneuilli* (Deshayes, 1838).

*hypopaeum*, *Cardium* – Deshayes, 1829-*DescrCoqFoss*: 164-165, 14, pl. 27, figs 3-4; 1835-HistNatAnim2: 418; 1839-HistNatAnim3: 632, here as *C. “hippopeum”*; 1858-*DescrCoqFoss*: 554, as synonym of *Cardium gigas* Defrance, 1817, and as *C. “hippopeum”*. — Type localities: Chaumont, Parnes, Mouchy-le-Châtel, Châteaurouge & Le Vivray. — Type age: Eocene (Lutetian). Listed by Hylleberg (2004: 551, as *Cardium “hippopeum* Deshayes, 1825”). — Current status: synonym of *Discors gigas* (Defrance, 1817) (Glibert & Van de Poel 1970: 32).

*impeditum*, *Cardium* – Deshayes, 1858-*DescrCoqFoss*: 566, 56, pl. 56, figs 12-14. — Type localities: Hermonville, Damery, Boursault, Saint-Thomas, Chambors, Montigny-en-Vexin, Acy-en-Multien, Saint-Sulpice, Mortefontaine & Le Fayel. — Type age: Eocene (Lutetian-Bartonian). — Current status: *Loxocardium impeditum* (Deshayes, 1858) (Glibert & Van de Poel 1970: 49; Le Renard & Pacaud 1995: 74; Hylleberg 2004: 560; Pacaud 2008: 90).

*incertum*, *Cardium* – Deshayes, 1838a: 56-57, [i], pl. 2, figs 11-13, *non* Phillips, 1829, *nec* Brönn, 1832. — Type locality: Crimean Peninsula. — Type age: Pliocene. *Cardium absconditum* Deshayes, 1857, replacement name. However, the homonym had already been replaced as *Cardium edouardi* d’Orbigny, 1852 (d’Orbigny 1852: 120, no. 2250). — Current status: *Pontalmyra edouardi* (d’Orbigny, 1852).

*ingratum*, *Cardium* – Deshayes, 1858-*DescrCoqFoss*: 567-568, 55, pl. 55, figs 15-17. — Type locality: Laon. — Type age: Eocene (Ypresian). — Current status: *Loxocardium ingratum* (Deshayes, 1858) (Glibert & Van de Poel 1970: 49; Le Renard & Pacaud 1995: 74; Hylleberg 2004: 566).

*insufflatum*, *Cardium* – Deshayes, 1857-TraitElem: 46, 59. Replacement name for *Cardium ventricosum* d’Orbigny, 1844 (d’Orbigny 1844: 41-42, pl. 257, figs 1-3), *non* Bruguière, 1789. — Type locality: Rouen, France. — Type age: Cretaceous. — Type material: MNHN.F.R55302, syntype. Hylleberg (2004: 567, as “1853”, 827). However, d’Orbigny, 1850b (d’Orbigny 1850b: 163, no. 351), had already supplied a replacement name, *Cardium subventricosum* d’Orbigny, 1850. — Current status: synonym of *Granocardium subventricosum* (d’Orbigny, 1850) (Pacaud herein).

*klodeni*, *Cardium* – Deshayes, 1857-TraitElem: 45, as *klödeni*, 48, 55, 60. Replacement name for *Cardium pectinatum* Klöden, 1834 (Klöden 1834: 213, 377, pl. 3, fig. 11), *non* Linnaeus, 1758. — Type locality: Berlin, Germany. — Type age: sandy marl, possibly a Tertiary erratic. Hylleberg (2004: 578, as *klodeni* and “1853”, 687, as *C. kloedeni*). While the two original spellings are puzzling, ICZN Code Art. 32.5.2.1 and the person honored would dictate the spelling *kloedeni*. — Current status: possibly *Cardiidae* (M. Amler, pers. comm., March 20, 2023).

*laperousii*, *Cardium* – Deshayes, 1839d: 360; 1841: 2, pl. 48. — Type locality: California; Mr. Chiron. — Type age: Recent. — Current status: *Serripes laperousii* (Deshayes, 1839) (Coan *et al.* 2000: 356-357; Hylleberg 2004: 591-592, 853; Kantor & Sysoev 2005: 356; Matsukuma, in Okutani 2017: 1239, pl. 535, fig. 1).

*lobulatum*, *Cardium* – Deshayes, 1855c: 332. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1974135, 3 syntypes. — Current status: *Laevicardium lobulatum* (Deshayes, 1855) (Hylleberg 2004: 603, 892 – syntypes; Huber 2010a: 303; Ramakrishna & Dey 2010: 149, as *Cardium*; Poorten, in Poppe 2011: 238, pl. 1114, figs 1-3).

*macrodon*, *Cardium* – Deshayes, 1838a: 49-50, [i], pl. 1, figs 3-6. — Type locality: Crimean Peninsula. — Type age: Pliocene. — Type species (OD) of *Prosodacna* Tournouër, 1882. — Current status: *Prosodacna macrodon* (Deshayes, 1838) (Eberzin 1959: 70-75, pl. 8, figs 1-8, pl. 9, figs 1-9, pl. 10, figs 1-9, pl. 11, figs 1-7, pl. 12, figs 1-5; Neveeskaja *et al.* 1997: 114, pl. 48, figs 19-21, pl. 49, figs 1-10, pl. 50, figs 1-7; Neveeskaja *et al.* 2001: S201; Hylleberg 2004: 609; Neveeskaja *et al.* 2013: 357, fig. 130-2).

*mauritanum*, *Cardium* – Deshayes, 1855c: 331. — Type locality: Mauritius; Cuming coll. — Type age: Recent. — Type material: NHMUK 1974133, 3 syntypes. — Current status: *Acrosterigma mauritanum* (Deshayes, 1855) (Hylleberg 2004: 620, 877 – syntypes).

*michelottii*, *Cardium* – Deshayes, 1857-TraitElem: 49, 68. Replacement name for *Cardium* “*trigonum* Michelotti, 1847”, non Münster, in Goldfuss, 1837. This species was first named *Cardium sulcatum* Michelotti, 1839 (Michelotti 1839: 138). — Type locality: Turin, Italy. — Type age: Miocene. This was a homonym of *Cardium sulcatum* [correct ending] Lamarck, 1819. Sismonda (1842: 19; 1847: 19) renamed it *Cardium trigonum*, also a junior homonym. D’Orbigny (1852: 118, no. 2216) then renamed this species *Cardium trigonellum*. Deshayes’ renaming coming later is thus a synonym. *Cardium trigonellum* was listed by Hylleberg (2004: 809) as a synonym of *Parvicardium papillosum* (Poli, 1791), the type species (OD) of *Papillicardium* Sacco, 1899, currently regarded as a full genus. Also listed by Hylleberg (2004: 626, as “1853”, 810), as *Parvicardium michelotti*. — Current status: *Papillicardium papillosum* (Poli, 1791).

*mirabile*, *Cardium* – Deshayes, 1855c: 332. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1971028, 3 syntypes. — Current status: synonym of *Vepriocardium incarnatum* (Reeve, 1844) [*Cardium*] (Hylleberg 2004: 629, 885 – syntype).

*monodacna*, *Cardium* – Deshayes, 1857-TraitElem: 48, 68. Replacement name for *Cardium intermedium* (Eichwald, 1841) [*Monodacna*] (p. 276-277, pl. 40, figs 5-7), non Münster, in Goldfuss, 1837, nec J. de C. Sowerby, 1840. — Type locality: Caspian Sea. — Type age: Recent. Hylleberg (2004: 632, as “1853”, 567). Unnecessary replacement name that was not adopted (ICZN Code Art. 59.3). Another synonym of this species is *Didacna hyrcana* Adrussov, 1923, type species (OD) *Hyrcania* Kolesnikov, 1950, non Monterosato, 1894 [Gastropoda] (Neveeskaja *et al.* 2001: S208). Eichwald’s *Monodacna intermedia* is also the type species (OD) of *Azeridacna* Sultanov, 1963, and (OD) of *Chazaridacna* Sultanov, 1963, both subjective synonyms of *Turcmena* Popov, 1956. — Current status: *Turcmena intermedia* (Eichwald, 1841).

*multisquamatum*, *Cardium* – Deshayes, 1858-DescrCoqFoss: 565, 54, pl. 54, figs 12-15 [in text as pl. 84 and fig. 15 not listed]; 1865-DescrCoqFoss: 665 [errors noted]. — Type locality: Hérouval. — Type age: Eocene (Ypresian). — Current status: *Loxocardium multisquamatum* (Deshayes, 1858) (Glibert & Van de Poel 1970: 49; Le Renard & Pacaud 1995: 74; Hylleberg 2004: 639; Pacaud 2008: 90).

*neozelandicum*, *Cardium* – Deshayes, 1857-TraitElem: 46. Replacement name for *Cardium striatum* G. B. Sowerby, II, 1834 (pl. 49, fig. 16), non Brocchi, 1814, nec J. de C. Sowerby, 1827, nec Della Chiaje, 1830). — Type localities: Australia & New Zealand. — Type age: Recent. Hylleberg (2004: 647-648, as “1853”, 778). — Current status: both Sowerby’s species and Deshayes replacement are synonyms of *Pratulium pulchellum* (J. E. Gray, 1843) [*Cardium*], which occurs in New Zealand.

*novatum*, *Cardium* – Deshayes, 1857-TraitElem: 47. New species based on *Cardium cognatum* J. Phillips, 1829, as figured by Goldfuss (1837: 220, pl. 144, fig. 1). — Type locality: Eichstädt, Germany. — Type age: Jurassic (late). Hylleberg (2004: 443, 655, as “1853”). — Current status: *nomen inquirendum*.

*nystii*, *Cardium* – Deshayes, 1857-TraitElem: 64. New species based on one of the two originally figured specimens of *Cardium cingulatum* Goldfuss, 1837 (Goldfuss 1837: 222-223, fig. 4 – six views of two specimens). — Type locality: Germany. — Type age: Oligocene. Listed as *Conocardium nystii* (Deshayes, 1857) by Hylleberg (2004: 657), having confused this species with the rostroconch *Conocardium nystii* de Koninck, 1885. — Current status: Goldfuss’ species, as well as Deshayes’ name, are synonyms of *Laevicardium* (*Habecardium*) *tenuiscalcatum* (Nyst, 1836) [*Cardium*] (Glibert & Van de Poel 1970: 34, 38), the type species (OD) of *Habecardium* Glibert & Van de Poel, 1970, now regarded as a full genus.

*ovatum*, *Cardium* – Deshayes, 1838a: 56-57, [i], pl. 1, figs 19-21. — Type locality: Crimean Peninsula. — Type age: Pliocene? *Didacna ovata* (Deshayes, 1838) (Hylleberg, 2004: 670). — Current status: takes precedence over *Pontalmyra sulcatina* (Deshayes, 1838) (q.v.), which is a junior homonym (Neveeskaja *et al.* 1997: 49).

*parile*, *Cardium* (*Protocardia*) – Deshayes, 1858-DescrCoqFoss: 573, 54, pl. 54, figs 1-3. — Type localities: Valmondois, Auvers-sur-Oise, Jaignes, Acy-en-Multien, Crouy, Coulombs, Mary-sur-Marne, La Ferté-sous-Jouarre, Caumont & Beauval; Barton-on-Sea, England. — Type age: Eocene (Bartonian). — Current status: *Nemocardium* (*Nemocardium*) *parile* (Deshayes, 1858) (Glibert & Van de Poel 1970: 30; Hylleberg 2004: 680; Le Renard & Pacaud 1995: 75).

*passyi*, *Cardium* – Deshayes, 1858-DescrCoqFoss: 557-558, 71, pl. 71, figs 14-16 [in text as figs 12-14]; 1865-DescrCoqFoss: 665 [error noted]. — Type locality: Vaudancourt. — Type age: Eocene (Lutetian). Synonym of *Parvicardium granulosum* (Lamarck, 1805) [*Cardium*] (Glibert & Van de Poel 1970: 44-45; Hylleberg 2004: 683). — Current status: *Plagiocardium granulosum* [Lamarck, 1805] *passyi* (Deshayes, 1858) (Le Renard & Pacaud 1995: 74). *Plagiocardium passyi* (Deshayes, 1858) (Pacaud 2008: 90).

*patruelinum*, *Cardium* – Deshayes, 1858-DescrCoqFoss: 565-566, 55, pl. 55, figs 8-10. — Type localities: Cuise-la-Motte, Laon, Mercin-et-Vaux, Cuisy-en-Almont & Hérouval. — Type age: Eocene (Ypresian). — Current status: *Loxocardium patruelinum* (Deshayes, 1858) (Glibert & Van de Poel 1970: 49; Le Renard & Pacaud 1995: 74; Hylleberg, 2004: 683).

*paucicostatum*, *Cardium* – Deshayes, 1838a: 52-53, [i], pl. 2, figs 14-15, non Murchison, 1831, nec G. B. Sowerby II, 1834. — Type locality: Crimean Peninsula. — Type age: Pliocene. — Current status: *Pontalmyra kamysbunensis* (Kafanov, 1980: 623) [*Didacna*], replacement name (Neveeskaja *et al.* 1997: 54, pl. 12, figs 6-13; Neveeskaja *et al.* 2001: S192, both without noting replacement name; Hylleberg 2004: 575, 864).

*philippii*, *Cardium* – Deshayes, 1857-TraitElem: 46. Replacement name for *Cardium pulchellum* Philippi, 1844a (47, pl. 2, fig. 8), non Reeve, 1844, but also non J. E. Gray, 1843. — Type locality: Germany. — Type age: Oligocene. Hylleberg (2004: 695, as “1853”, 723). Deshayes’ replacement name is senior to *Cardium*



*kochi* Semper, 1861, with which Philippi's junior homonym has been synonymized. — Current status: *Parvicardium philippii* (Deshayes, 1857) (Coan & Kabat 2017: 79, as "1853").

*planicostatum*, *Cardium* – Deshayes, 1838a: 53-54, [i], pl. 2, figs 7-8, non G. B. Sowerby I, 1833, nec J. de C. Sowerby, in Sedgwick & Murchison, 1832. — Type locality: Crimean Peninsula. — Type age: Pliocene. Renamed *Cardium huoti* Deshayes, 1857 (see above); Neveeskaja et al. 1997: 52, pl. 11, figs 5-1; Neveeskaja et al. 2001: S192, both without noting replacement name). The name had already been replaced as *Cardium subplanicostatum* d'Orbigny, 1852 (d'Orbigny 1852: 119, no. 2246), but that name is junior to the synonymous *Cardium verneuilli* Deshayes, 1838 – Current status: *Pontalmyra verneuilli* (Deshayes, 1838).

*planum*, *Cardium* – Deshayes, 1838a: 46-47, [i], pl. 2, figs 24-30. — Type locality: Crimean Peninsula. — Type age: Pliocene. — Type species (M) of *Phyllocardium* P. Fischer, 1887 (Hylleberg 2004: 700). — Current status: *Phyllocardium planum* (Deshayes, 1838) (Glibert & Van de Poel 1970: 63; Neveeskaja et al. 1997: 108-109, pl. 47, figs 1-10; Neveeskaja et al. 2001: S190; Neveeskaja et al. 2013: 351, fig. 126-6).

*podolicum*, *Cardium* – Deshayes, 1857-TraitElem: 49. Replacement name for *Cardium verrucosum* "Andrzejowski, 1835", non Deshayes, 1829. — Type locality: none given. — Type age: not stated. Hylleberg (2004: 703, 829, as "1853"). *Cardium verrucosum* was never published by Andrzejowski, only by Deshayes himself (1835a: 321), but it was a *nomen nudum*. — Current status: the replacement name is also a *nomen nudum*.

*poniticum*, *Cardium* – Deshayes, 1857-TraitElem: 49. Replacement name for *Cardium sulcatum* Deshayes, 1838 (see below), non Lamarck, 1819. Hylleberg (2004: 705, as "1853", 793). — Current status: synonym of *Pontalmyra ovatum* (Deshayes, 1838) (Neveeskaja et al. 1997: 49).

*productum*, *Cardium* – Deshayes, 1855c: 333, non J. de C. Sowerby, in Sedgwick & Murchison, 1832. — Type locality: Torres Straits, Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 1974139, 2 syntypes (Hedley, 1913: 268, pl. 16, figs 20-22). — Current status: synonym of *Corculum cardissa* (Linnaeus, 1758) [*Cardium*] (Hylleberg 2004: 713, 915 – syntypes; Huber 2010a: 682; 2015: chapter 5 on CD).

*proximum*, *Cardium* – Deshayes, 1857-TraitElem: 47. Replacement name for *Cardium propinquum* (Eichwald, 1841: 275-276, pl. 40, figs 3-4) [*Monodacna*], non Münster, in Goldfuss, 1837, non Münster, 1839. — Type locality: Caspian Sea. — Type age: Recent. Hylleberg (2004: 715, 717, as "1853"). A replacement name for a secondary homonym that was never accepted (ICZN Code Art. 59.3). — Current status: this species is now known as *Apscheronia propinqua* (Eichwald, 1841), and it is the type species (M) of *Apscheronia* Andrusov, 1903 (Neveeskaja et al. 2001: S209).

*pseudocardium*, *Cardium* – Deshayes, 1838a: 59, [i], pl. 1, figs 1-2. — Type locality: Crimean Peninsula. — Type age: Pliocene. — Current status: synonym of *Monodacna pontica* Eichwald, 1838 (Hylleberg 2004: 718; Kantor & Sysoev 2005: 352; Bogutskaya et al. 2013: 48, 60), or a good species, *Monodacna pseudocardium* (Deshayes, 1838) (Huber 2010a: 309). Neither 1838 work has an exact date.

*pulchrum*, *Cardium* – see above under: *bouei*, *Cardium*.

*quadratum*, *Cardium* – Deshayes, 1857-TraitElem: 48, 53. New species for *Cardium multicosatum* Phillips, 1829, as figured by Goldfuss (1837: 218, pl. 143, fig. 9). Phillips' species was non Brocchi, 1814, and Deshayes' species preoccupies *Cardium* (*Loxocardium*) *quadratum* Doncieux, 1911. — Type localities: Banz & Amberg, Germany. — Type age: Jurassic. Hylleberg (2004: 728, as "1853", 636). — Current status: synonym of *Tutcheria cingulata* (Goldfuss, 1837) (Cox 1946: 38-39, pl. 3, figs 5-7).

*rachitis*, *Cardium* – Deshayes, 1829-DescrCoqFoss: 175-176, 15, pl. 29, figs 1-2; 1835-HistNatAnim2: 422; 1839-HistNatAnim3: 633-634; 1858-DescrCoqFoss: 559-560. — Type localities: Valmondois & Chaumont-en-Vexin. — Type age: Eocene (Lutetian-Bartonian). — Type species (SD Keen, 1937) of *Goniocardium* Vasseur, 1880. — Current status: *Goniocardium rachitis* (Deshayes, 1829) (Glibert & Van de Poel 1970: 67; Le Renard & Pacaud 1995: 75; Hylleberg 2004: 729; Neveeskaja et al. 2013: 420, fig. 153-3).

*radula*, *Cardium* – Deshayes, 1835b: 106-107, pl. 18, figs 15-17, non Broderip & G. B. Sowerby I, 1829. — Type locality: Peloponnese Peninsula, Greece. — Type age: Recent. — Current status: synonym of *Cerastoderma edule* (Linnaeus, 1758) [*Cardium*] (Hylleberg 2004: 731, 921, as "1832").

*reeveanum*, *Cardium* – Deshayes, 1857-TraitElem: 46, non Dunker, 1852. Replacement name for *Cardium radiatum* Reeve, 1845 (pl. 18, fig. 89), non Dujardin, 1837, nec de Koninck, 1842. — Type locality: none given [Australia]. — Type age: Recent. Hylleberg (2004: 730, 733, as "1853"). *Fulvia fagea* Voskuil & Onverwagt, 1993, unnecessary additional replacement name. — Current status: all three are synonyms of *Fulvia tenuicostata* (Lamarck, 1819) [*Cardium*] (Huber 2015: chapter 5 on CD, by implication).

*scacchii*, *Cardium* – Deshayes, 1857-TraitElem: 70. Hylleberg (2004: 754, as "1853"). — Type locality: Podolie, Slovakia. — Type age: Miocene (Burdigalian)? A new species based on fossil material similar to *Cardium subangulatum* Scacchi, 1833. — Current status: *nomen dubium*.

*scobinella*, *Cardium* – Deshayes, 1858-DescrCoqFoss: 564-565. — Type localities: Thiverval-Grignon, Mouchy-le-Châtel, Parnes, Chaussy, Coincourt & Hérouval. — Type age: Eocene (Lutetian). *Plagiocardium* (*Papillicardium*) *scobinula* (Deshayes, 1858) (R. Janssen 1979: 101-102, pl. 3, fig. 53) in the Upper Oligocene. — Current status: synonym of *Loxocardium sublima* (d'Orbigny, 1850) [*Cardium*] (Hylleberg 2004: 755, 786).

*scobinula*, *Cardium* – Deshayes, 1858-DescrCoqFoss: 562, pl. 56, figs 29-32, ex Mérian ms. — Type localities: Étchéchy, Morigny-Champigny, Jeurre & Versailles; Mayence & Kassel, Germany. — Type age: Oligocene (Rupelian). *Parvicardium scobinula* (Deshayes, 1858) (Glibert & Van de Poel 1970: 47, as "Mérian in Deshayes"). Hylleberg (2004: 756) also credited the species to "Mérian, in Deshayes". — Current status: *Papillicardium scobinula* (Deshayes, 1858) (Lozouet & Maestrati 2012a: 254-255, fig. 162: 21-24).

*scruposum*, *Cardium* – Deshayes, 1855c: 333. — Type locality: Malacca; Cuming coll. — Type age: Recent. — Type material: NHMUK 1974140, 3 syntypes. — Current status: *Fragum scruposum* (Deshayes, 1855). (Hylleberg 2004: 756, as "1854", 907 – syntypes; Huber 2010a: 298; Poorten, in Poppe 2011: 204, pl. 1097, figs 6-7).

*sedgwichi*, *Cardium* – Deshayes, 1857-TraitElem: 45. Replacement name for *Cardium minutum* "Sedgwick" [sic., J. de C. Sowerby, in Sedgwick] & Murchison, 1832 (Sedgwick & Murchison 1832: 393, 420, pl. 39, fig. 3), non Lamarck, 1819, nec d'Archiac, 1843. — Type locality: Lower Styria, Austria. — Type age: Tertiary. The species name was a typographical error, Deshayes spelling this author's name correctly in some places and incorrectly in others. However, the homonym had already been replaced as *Cardium minutissimum* d'Orbigny, 1852 (d'Orbigny 1852: 119, no. 2228). — Current status: *taxon inquirendum*.

*semiasperum*, *Cardium* (*Protocardia*) – Deshayes, 1858-DescrCoqFoss: 573-574, 55, pl. 55, figs 1-2. — Type localities: Aizy-Jouy, Vregny & Laon. — Type age: Eocene (Ypresian). — Type species (SD Sacco, 1899) of *Nemocardium* Meek, 1876. — Current status: *Nemocardium* (*Nemocardium*) *semiasperum* (Deshayes, 1858) (Glibert & Van de Poel 1970: 30; Le Renard & Pacaud 1995: 75;

Jeffery & Tracey 1997: 81, 87, pl. 5, fig. 6; Hylleberg 2004: 757; Neveškaja *et al.* 2013: 339, fig. 120-15).

*semistriatum*, *Cardium* – Deshayes, 1829-*DescrCoqFoss*: 174, 15, pl. 29, figs 9-10, *non* Bean, in Young & Bean, 1828; 1835-*HistNatAnim2*: 421-422; 1839-*HistNatAnim3*: 633; 1858-*DescrCoqFoss*: 572, as *Cardium (Protocardia)*; 1858: 552. — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). T. Brown (1849: 201) misspelled this name as *C. semistriatum* in one place. *Nemocardium (Nemocardium) semistriatum* (Deshayes, 1829) (Glibert & Van de Poel 1970: 30). — Current status: *Nemocardium (Nemocardium) keena* Le Renard, 1994 (Le Renard 1994: 39), replacement name (Hylleberg 2004: 576, 758; Pacaud 2008: 90).

*semperi*, *Cardium* – Deshayes, 1858-*DescrCoqFoss*: 553. — Type locality: Magdeburg, Germany. — Type age: Oligocene. Based on material that Philippi (1846: 49) had listed but not figured as *Cardium sulcata* Lamarck, 1819. — Current status: *nomen inquirendum*.

*serrulatum*, *Cardium* – Deshayes, 1855c: 330. — Type locality: Guinea; Cuming coll. — Type age: Recent. — Type material: NHMUK 1974129, holotype. — Current status: the West African *Europocardium serrulatum* (Deshayes, 1855) (Hylleberg 2004: 765; Huber 2010a: 291; Cosel & Gofas 2019: 526-527).

*squamulosum*, *Cardium* – Deshayes, 1838a: 48-49, [i], pl. 2, figs 14-15. — Type locality: Crimean Peninsula. — Type age: Pliocene. *Lymnocardium (Tauricardium) squamulosum* (Deshayes, 1838) (Neveškaja *et al.* 1997: 34, pl. 4, figs 8-14). — Current status: *Tauricardium squamulosum* (Neveškaja *et al.* 2001: S186). *Lymnocardium squamulosum* (Deshayes, 1838) (Hylleberg 2004: 777).

*subcarinatum*, *Cardium* – Deshayes, 1838a: 49, [i], pl. 2, figs 1-2, 6. — Type locality: Crimean Peninsula. — Type age: Pliocene. *Lymnocardiinae*, genus uncertain (Hylleberg, 2004: 782). — Current status: *Pontalmyra subcarinata* (Deshayes, 1838) (Neveškaja *et al.* 1997: 53, pl. 11, figs 14-19; Neveškaja *et al.* 2001: S192).

*subdentatum*, *Cardium* – Deshayes, 1838a: 57, [i], pl. 1, figs 16-18. — Type locality: Crimean Peninsula. — Type age: Pliocene. — Current status: *Pseudocatillus subdentatus* (Deshayes, 1838) (Neveškaja *et al.* 1997: 72-73, pl. 25, figs 1-8; Neveškaja *et al.* 2001: S193; Hylleberg 2004: 783).

*sulcatinum*, *Cardium* – Deshayes, 1838a: 53, [i], pl. 2, figs 3-5, *non* Lamarck, 1819. — Type locality: Crimean Peninsula. — Type age: Pliocene? *Cardium ponticum* Deshayes, 1857, replacement name. *Didacna andrusovi* Gude, 1913 (Gude 1913: 293), additional, unnecessary replacement name. — Current status: synonym of *Pontalmyra ovatum* (Deshayes, 1838) (Neveškaja *et al.* 1997: 49).

*transpostium*, *Cardium* – Deshayes, 1857-*TraitElem*: 49. New species based on *Cardium truncatum* “Phillips” [actually J. de C. Sowerby, 1827], as figured by Goldfuss (1837: 218, pl. 143, fig. 10). — Type localities: Amberg, Bolt & Altdorf, Germany. — Type age: Jurassic (early). Hylleberg (2004: 806, as “1853”, 811). — Current status: *taxon inquirendum*.

*transversale*, *Cardium* – Deshayes, 1855c: 333, *non* F. A. Roemer, 1849. — Type locality: Alboran Island, Spain; Cuming coll. — Type age: Recent. — Type material: NHMUK 1974137.1, lectotype (Kafanov, 1997); 1974137/2-11, 10 paralectotypes. — Current status: renamed *Parvicardium vroomi* Aartsen, Menkhorst & Gittenberger, 1984 (Aartsen *et al.* 1984: 67-68, 128, fig. 394; Aartsen & Goud 2000: 173-176, figs 1-3, 10-11, 16, 19; Hylleberg 2004: 806, 834, 917).

*trifidum*, *Cardium* – Deshayes, 1858-*DescrCoqFoss*: 556 [August 28] as “*tripartitum*”, 56, pl. 56, figs 5-7. — Type localities: Jonchery-sur-Vesle & Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). 1858: 552 [May 12], *nomen nudum*, as “*tripartitum*”. — Current

status: *Cardium (Orthocardium) trifidum* Deshayes, 1858 (Glibert & Van de Poel 1970: 53; Le Renard & Pacaud 1995: 74). *Orthocardium trifidum* (Deshayes, 1858) (Hylleberg 2004: 809; Leroy *et al.* 2014: 28, pl. 11, fig. 8a-b).

*tumidum*, *Cardium* – Deshayes, 1855c: 331. — Type locality: Moluccas; Cuming coll. — Type age: Recent. — Type material: NHMUK 1974131, 2 syntypes. — Current status: synonym of *Vasticardium flavum* (Linnaeus, 1758 [*Cardium*]) (Hylleberg 2004: 817, 871 – syntypes).

*venustum*, *Cardium (Papyridea)* – Deshayes, 1858-*DescrCoqFoss*: 575-576, 55, pl. 55, figs 22-24, *non* S. V. Wood, 1853. — Type localities: Auvers-sur-Oise, Valmondois & Le Fayel. — Type age: Eocene (Bartonian). — Current status: synonym of *Papyridea capsoides* (Bayan, 1873) [*Cardium*] (Glibert & Van de Poel 1970: 61; Hylleberg 2004: 827).

*verneuilli*, *Cardium* – Deshayes, 1838a: 55-56, [i], pl. 2, figs 9-10, [ii], pl. 6, figs 4-5 [var.]. — Type locality: Crimean Peninsula. — Type age: Pliocene? Genus uncertain (Hylleberg, 2003: 829). Synonym of *Pontalmyra plancostata* (Deshayes, 1838) (Neveškaja *et al.* 1997: 52), but that name is a junior homonym. — Current status: *Pontalmyra verneuilli* (Deshayes, 1838).

*verrucosum*, *Cardium* – Deshayes, 1829-*DescrCoqFoss*: 173-174, 15, pl. 29, figs 7-8; 1835-*HistNatAnim2*: 421; 1839-*HistNatAnim3*: 633; 1858-*DescrCoqFoss*: 560. — Type localities: Mouchy-le-Châtel & Ully-Saint-Georges. — Type age: Eocene (Lutetian). *Cardium (Vepricardium) verrucosum* (Deshayes, 1829) (Glibert & Van de Poel 1970: 51). — Type species (OD) of *Freneixicardia* Schneider, 2002 (Hylleberg 2004: 829). *Vepricardium (Vepricardium) verrucosum* (Deshayes, 1829) (Le Renard & Pacaud 1995 74; Pacaud 2008: 89). — Current status: *Freneixicardia verrucosa* (Deshayes, 1829) (Schneider 2002: 367, fig. 10B, 22A-D).

*verrucosum*, *Cardium* – Deshayes, 1835a: 321, *nomen nudum*. See above under: *podolicum*, *Cardium*

*wateleti*, *Cardium (Protocardia)* – Deshayes, 1858-*DescrCoqFoss*: 570, 54, pl. 54, figs 16-18. — Type localities: Aizy-Jouy & Laon. — Type age: Eocene (Ypresian). — Current status: *Nemocardium wateleti* (Deshayes, 1858) (Le Renard & Pacaud 1995: 74; Hylleberg 2004: 836).



*basteroti*, *Cardium (Cerastoderma)* – Benoist, 1873: 46, *ex* Deshayes ms. However, Deshayes (1857-*TraitElem*: 66) merely indicated that what Basterot had identified as *Cardium edule* Linnaeus, 1758, from the Miocene ought to be named for him, but he did not actually propose this name, which must therefore be credited to Benoist. This species probably accounts for the record, without a page number, in Hylleberg (2004: 398) of *Cardium basteroti* Deshayes, “1853”. This species was discussed in Cossmann & Peyrot (1912a: 135-136; 1912b: pl. 22, figs 1-2, pl. 28, figs 90-91).

*crassum*, *Cardium* – Brusina (1866: 97) listed this name as “Deshayes” in his catalogue of the living molluscs of Dalmatia, Croatia. It does not correspond to any Deshayes species and may be an error for *Laevicardium crassum* (Gmelin, 1791). Oddly, in listing this species, Hylleberg (2004: 455) indicated it as “Cretaceous”.

*impressum*, *Cardium* – Leymerie, 1841: 335, 336, 341, *nomen nudum*; 1842: 6, 25, pl. 8, figs 1a-b, 2, *ex* Deshayes ms, *non* Lightfoot, 1786. — Type locality: Vendevre-sur-Barse. — Type age: Cretaceous (Hauterivian). *Protocardium impressum* (Leymerie, 1842) (Hylleberg 2004: 562). — Current status: Current status: *Protocardia vindovera* Pacaud, n. name (replacement name herein), for Leymerie’s species: from its type locality: Vendevre-sur-Barse (Aube, France), *Vindovera* in the Merovingian era; name given in apposition.



*magnificum*, *Cardium* – P. P. Carpenter, 1857: 187, *ex* Deshayes ms, *nomen nudum*. In synonymy with the living Panamic *Cardium biangulatum* Broderip & G. B. Sowerby I, 1829 (Coan & Valentich-Scott 2012: 419). Perhaps taken by Carpenter from a label in the NHMUK.

*novaezelandiae*, *Cardium* – E. A. Smith, 1885: 161, *ex* Deshayes ms. Noted by Smith as being on a label in the NHMUK. — Current status: synonym of *Cardium pulchellum* J. E. Gray, in Dieffenbach, 1843.

*philippinense*, *Cardium* – Shirley, 1911: 95, *ex* Deshayes ms, *nomen nudum*. Hedley (1899: 504) also mentioned "*Cardium philippinense* Desh." as a manuscript name, but he did not make it available. However, ter Poorten (2009: 26-27, pl. 3, figs 4-5) attributed this species as "*Vasticardium philippinense* (Hedley, 1899)," in error. Again a *nomen nudum* in Tomlin (1934: 84). Fischer-Piette (1977: 49-50, pl. 3, fig. 4, pl. 4, fig. 1) noted that Shirley (1911) did not provide a description, so he provided a lengthy one. Vidal (1997: 14, 18) determined that Fischer-Piette's description was equivalent to *Vasticardium orbita orbita* (Broderip & G. B. Sowerby I, 1833). Voskuil & Onverwagt (1991: 117), in reviewing the new taxa in Fischer-Piette (1977), stated that "Deshayes never described a *Cardium philippinense* and the name should be attributed to Shirley (1911: 95), as done correctly by Fischer-Piette." However, Shirley (1911: 95) did not make the Deshayes manuscript name available, as Shirley only listed this as "*Cardium philippinense* Desh., Normanton," without any illustration or description (Normanton is in northern Queensland, Australia). The name has thus to be attributed to Fischer-Piette (1977), who figured a specimen in the Staatd collection in the MNHN in Paris, which should be its type. — Type age: Recent. — Current status: synonym of the Indo-Pacific *Vasticardium orbita* (Broderip & G. B. Sowerby I, 1833) [*Cardium*] (Vidal 1997: 14-18, pl. 1).

#### Family CHAMIDAE Lamarck, 1809

*brocchii*, *Chama* – Deshayes, 1833b: 231, *nomen nudum*; 1835b: 107-108, 203 [engraving]. — Type locality: Peloponnese Peninsula, Greece. — Type age: Subapennine Formation, Pliocene; also Italy. — Current status: *Chama brocchii* Deshayes, 1833 (Kennedy *et al.* 1970: 391).

*depauperata*, *Chama* – Deshayes, 1858-DescrCoqFoss: 588, 58, as *Chama "dentata"*, pl. 58, figs 17-19; 1865-DescrCoqFoss: 666 [correction made]. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Current status: *Chama depauperata* Deshayes, 1858 (Glibert & Van de Poel 1966a: 62; Le Renard & Pacaud 1995: 75; Pacaud 2008: 87).

*distans*, *Chama* – Deshayes, 1858-DescrCoqFoss: 582, 58, pl. 58, figs 1-4. — Type localities: Cuise-la-Motte, Rethuil, Laon & Hérouval. — Type age: Eocene (Ypresian). — Current status: *Chama distans* Deshayes, 1858 (Glibert & Van de Poel 1966a: 62; Le Renard & Pacaud 1995: 75).

*gigas*, *Chama* – Deshayes, 1830-DescrCoqFoss: 245, 19, pl. 37, figs 5-6, *non* Linnaeus, 1758. — Type localities: Parnes, Les Groux & Chaumont-en-Vexin. — Type age: Eocene (Lutetian). 1835-HistNatAnim2: 589; 1839-HistNatAnim3: 685. 1858-DescrCoqFoss: 581-582. *Chama subgigas* d'Orbigny, 1850b (d'Orbigny 1850b: 394, no. 1122), replacement name. — Current status: *Chama subgigas* d'Orbigny, 1850 (Le Renard & Pacaud 1995: 75; Pacaud 2007: 57).

*inermis*, *Chama imbricata* – Deshayes, 1863: 16, *nom. nud.*; in synonymy with *Chama imbricata* Broderip, 1835, citing only Broderip's original figure, without a separate description or figure [ICZN Code Art. 12] and thus unavailable. For this reason, it does not preoccupy the Panamic *Chama inermis* Dall, 1871 (Coan & Valentich-Scott

2012: 443). Broderip's species was itself a junior homonym, *non* Lamarck, 1801, and it was renamed *Chama plinthota* Cox, 1927. — Current status: Broderip's, Deshayes and Cox's names are listed as synonyms of the Indo-Pacific *Chama croceata* Lamarck, 1819 (Huber 2010a: 282; 2015: chapter 5 on CD).

*inornata*, *Chama* – Deshayes, 1858-DescrCoqFoss: 583, 58, pl. 58, figs 20-22. — Type locality: Coincourt. — Type age: Eocene (Lutetian). — Current status: *Chama inornata* Deshayes, 1858 (Le Renard & Pacaud 1995: 75; Pacaud 2008: 87).

*intricata*, *Chama* – Deshayes, 1858-DescrCoqFoss: 587, 58, as *Chama "crenulata"*, pl. 58, figs 8-13; 1865-DescrCoqFoss: 666 [correction made]. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Chama intricata* Deshayes, 1858 (Le Renard & Pacaud 1995: 75; Pacaud 2008: 87).

*papyracea*, *Chama* – Deshayes, 1830-DescrCoqFoss: 251, 19, pl. 37, 19, figs 3-4; 1835-HistNatAnim2: 591; 1839-HistNatAnim3: 685; 1858-DescrCoqFoss: 582 [in text as pl. 38]; 1865-DescrCoqFoss: 665 [error noted]. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Current status: *Chama papyracea* Deshayes, 1830 (Le Renard & Pacaud 1995: 75).

*parisiensis*, *Isocardia* – Deshayes, 1829-DescrCoqFoss: 189, 16, pl. 31, fig. 5; 1835-HistNatAnim2: 451; 1839-HistNatAnim3: 642; 1857-TraitElem: 29; 1858-DescrCoqFoss: 548. — Type localities: Hermes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: synonym of *Chama calcarata* Lamarck, 1806 (Cossmann, 1887: 6), and in turn of *Chama punctata* Bruguière, 1792 (Pacaud herein).

*philippii*, *Chama* – Deshayes, 1857-TraitElem: 103. New species based on *Chama dissimilis* Bronn, 1831, of Philippi (1836: 69, not figured), *non* Bronn, 1831. — Type locality: Sicily. — Type age: Miocene (Langhian)? — Current status: *taxon inquirendum*.

*ponderosa*, *Chama* – Deshayes, 1830-DescrCoqFoss: 248, 19, pl. 37, figs 9-10; 1835-HistNatAnim2: 590; 1839-HistNatAnim3: 685; 1858-DescrCoqFoss: 584-585, 58, pl. 58, figs 23-25, as synonym of *Chama fimbriata* Defrance, 1818: 65, but figured as *C. ponderosa*. — Type localities: Auvers-sur-Oise & Valmondois. — Type age: Eocene (Bartonian). — Current status: synonym of *Chama fimbriata* Defrance, 1818 (Glibert & Van de Poel 1966a: 62).

*punctulata*, *Chama* – Deshayes, 1858-DescrCoqFoss: 587, 58, pl. 58, figs 14-16. — Type localities: Hérouval. — Type age: Eocene (Ypresian). — Current status: *Chama punctulata* Deshayes, 1858 (Glibert & Van de Poel 1966a: 65; Le Renard & Pacaud 1995: 75).

*rusticula*, *Chama* – Deshayes, 1830-DescrCoqFoss: 249, 19, pl. 37, figs 7-8, pl. 38, fig. 4. — Type locality: Monneville. — Type age: Eocene (Bartonian). Synonym of *Chama turgidula* Lamarck, 1819 (Deshayes 1858-DescrCoqFoss: 585-586). — Current status: synonym of *Chama squamosa* Solander, in Brander, 1766 (Le Renard & Pacaud 1995: 75).

*squamata*, *Chama* – Deshayes, 1833b: 231, "pl. 2, figs 3-5", *nomen nudum*; 1835b: 107, pl. 22, figs 3-5. — Type locality: Peloponnese Peninsula, Greece. — Type age: Subapennine Formation, Pliocene; also Italy. Unnecessarily replaced as *Chama subsquamata* d'Orbigny, 1852 (p. 185, no. 399), for being "*non* Rumphius, 1739", an unavailable work. — Current status: synonym of *Chama placentina* Defrance, 1817 (Sacco, 1905: 70-70a).

*substriata*, *Chama* – Deshayes, 1830-DescrCoqFoss: 250-251, 19, pl. 38, figs 1-3; 1835-HistNatAnim2: 591; 1839-HistNatAnim3: 685. — Type locality: Senlis. — Type age: Eocene (Bartonian). Synonym of *Chama turgidula* Lamarck, 1819 (Deshayes 1858-DescrCoqFoss: 585-586). — Current status: synonym of *Chama squamosa* Solander, in Brander, 1766 (Le Renard & Pacaud 1995: 75).

*sulcata*, *Chama* – Deshayes, 1830-*DescrCoqFoss*: 250, 19 [as *C. "sulcosa"*], pl. 38, figs 8-9; 1837-*DescrCoqFoss*: 811 [error in pl. expl. corrected], *non* Solander, in Brander, 1766; 1835-*Hist-NatAnim2*: 590; 1839-*HistNatAnim3*: 685; 1858-*DescrCoqFoss*: 585. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). Renamed *Chama cosulcata* Pezant, 1911 (Pezant 1911:108). — Current status: *Chama cosulcata* Pezant, 1911 (Le Renard & Pacaud 1995: 75; Pacaud 2008: 87).

*sulcosa*, *Chama* – see: *sulcata*, *Chama*.

*plicatella*, *Chama* – Deshayes, 1858-*DescrCoqFoss*: 586, 58, pl. 58, figs 5-7. Made available by Melleville (1843: 84-85 [38, 82], pl. 2, figs 7, 9). — Type locality: Laon. — Type age: Eocene (Ypresian). — Current status: *Chama plicatella* Deshayes, 1858 (Le Renard & Pacaud 1995: 75).

#### Family BASTEROTIIDAE Cossmann, 1909

*Anisodonta* – Deshayes, 1857-*DescrCoqFoss*: 22, pl. 22; 1858-*DescrCoqFoss*: 542-543. — Type species (M): *A. complanata* Deshayes, 1858. France. — Type age: Paleocene (Thanetian). — Current status: valid genus.

*ambigua*, *Poromya* – Deshayes, 1857-*DescrCoqFoss*: 256, 15, pl. 15, figs 18-21; 1865-*DescrCoqFoss*: 667 [fig. 18 mislabeled as 13 on pl.]. — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). *Anisodonta ambiguum* (Deshayes, 1857) (Glibert & Van de Poel 1967: 51). — Current status: *Anisodonta ambigua* (Deshayes, 1857) (Le Renard & Pacaud 1995: 73; Pacaud 2008: 89).

*borbonica*, *Anisodonta* – Deshayes, 1863: 16, pl. 3, figs 15-17. — Type locality: La Réunion. — Type age: Recent. — Current status: *Basterotia borbonica* (Deshayes, 1863) (Oliver 1992: 113; Rusmore-Villaume 2008: 222-223).

*complanatum*, *Anisodonta* – Deshayes, 1857-*DescrCoqFoss*: 22, pl. 22, figs 1-4; 1858-*DescrCoqFoss*: 543, with this species as the type of the genus. — Type locality: Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). — Current status: *Anisodonta complanata* Deshayes, 1858 (Glibert & Van de Poel 1967: 51; Le Renard & Pacaud 1995: 73; Nevesskaja *et al.* 2013: 318, fig. 113-22).

*edentula*, *Cypricardia* (*Modiolarca*) – Deshayes, 1858-*DescrCoqFoss*: 541, 57, pl. 57, figs 13-15. — Type localities: Aizy-Jouy & Hérouval. — Type age: Eocene (Ypresian). — Current status: *Anisodonta edentula* (Deshayes, 1858) (Glibert & Van de Poel 1967: 52; Le Renard & Pacaud 1995: 74).

*maillardi*, *Anisodonta* – Deshayes, 1863: 15-16, pl. 3, figs 12-14. — Type locality: La Réunion. — Type age: Recent. — Current status: *Basterotia maillardi* (Deshayes, 1863) (E. Lamy 1925: 505).

*physoides*, *Corbula* – Deshayes, 1846-*Algér*: 234-235; 1848: 64-65, pl. 22, figs 4-6. — Type locality: Bône [Annaba], Algeria. — Type age: Recent. — Type species (M) of *Physoida* Pallary, 1900. *Basterotia physoides* (Deshayes, 1846) (Cossignani & Ardochini 2011: 54, 448, as "1848"). — Current status: *Physoida physoides* (Deshayes, 1846) (Huber 2015: 545).

*rugosula*, *Sphenia* – Deshayes, 1857-*DescrCoqFoss*: 195, 11, pl. 11, figs 32-34. — Type locality: La Ferté-sous-Jouarre. — Type age: Eocene (Bartonian). — Current status: *Anisodonta rugosula* (Deshayes, 1857) (Glibert & Van de Poel 1967: 52; Le Renard & Pacaud 1995: 73; Pacaud 2008: 89; Marquet *et al.* 2012: 65, pl. 38, fig. 1).

*woodi*, *Poromya* – Deshayes, 1857-*DescrCoqFoss*: 251, *nomen nudum*, with no differentiating characters. — Type locality: Touraine. Also a *nomen nudum* in Dollfus & Dautzenberg (1886: 93 & 1901: 235). It was finally made available as *Basterotia woodi* Dollfus & Dautzenberg (1902: 88-89, pl. 2, figs 28-32). — Current status: the middle Miocene *Basterotia woodi* Dollfus & Dautzenberg, 1902, *ex* Deshayes ms.

#### Family SPORTELLIDAE Dall, 1899

*Sportella* – Deshayes, 1858-*DescrCoqFoss*: 593-603. — Type species (OD): *Psammotea dubia* Deshayes, 1824. France. — Type age: Eocene. — Current status: valid type genus of Sportellidae Dall, 1899.

*antiqua*, *Poromya* – Deshayes, 1856-*DescrCoqFoss*: 5, pl. 5, figs 16-18; 1857-*DescrCoqFoss*: 251-252. — Type locality: Hérouval. — Type age: Eocene (Ypresian). — Current status: *Fulcrella antiqua* (Deshayes, 1857) (Le Renard & Pacaud 1995: 74).

*apicalis*, *Sportella* – Deshayes, 1857-*DescrCoqFoss*: 48, pl. 48, figs 27-29; 1858-*DescrCoqFoss*: 598. — Type localities: Parnes, Saint-Félix & Fontenay-Saint-Père. — Type age: Eocene (Lutetian). — Current status: *Sportella apicalis* Deshayes, 1857 (Glibert & Van de Poel 1967: 49; Le Renard & Pacaud 1995: 75; Pacaud 2008: 89).

*baudoni*, *Poromya* – Deshayes, 1857-*DescrCoqFoss*: 253-254, 11 bis, pl. 11 bis, figs 26-28 [in text as 12 bis]; 1865-*DescrCoqFoss*: 665 [error noted]. — Type locality: Saint-Félix. — Type age: Eocene (Lutetian). — Current status: *Fulcrella baudoni* (Deshayes, 1857) (Le Renard & Pacaud 1995: 74; Pacaud 2008: 89).

*caillati*, *Sportella* – Deshayes, 1857-*DescrCoqFoss*: 48, pl. 48, figs 24-26; 1858-*DescrCoqFoss*: 596. — Type localities: Thiverval-Grignon, Vaudancourt & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Sportella caillati* Deshayes, 1857 (Le Renard & Pacaud 1995: 75; Pacaud 2008: 89).

*corbulina*, *Sportella* – Deshayes, 1857-*DescrCoqFoss*: 48, pl. 48, figs 9-11; 1858-*DescrCoqFoss*: 602-603. — Type localities: Parnes, Mouy, Saint-Félix, Damery & Le Fayel. — Type age: Eocene (Lutetian-Bartonian). — Current status: *Sportella corbulina* Deshayes, 1857 (Glibert & Van de Poel 1967: 49; Le Renard & Pacaud 1995: 75; Pacaud 2008: 89).

*depressa*, *Sportella* – Deshayes, 1858-*DescrCoqFoss*: 601, 49, pl. 49, figs 23-26. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Current status: *Sportella depressa* Deshayes, 1858 (Glibert & Van de Poel 1967: 50; Le Renard & Pacaud 1995: 75, as "1857").

*donaciformis*, *Sportella* – Deshayes, 1858-*DescrCoqFoss*: 602, 49, pl. 49, figs 7-9. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Current status: *Sportella donaciformis* Deshayes, 1858 (Glibert & Van de Poel 1967: 50; Le Renard & Pacaud 1995: 75; Pacaud 2008: 89).

*dubia*, *Psammotea* – Deshayes, 1824-*DescrCoqFoss*: 76, 6, pl. 10, figs 13-14. — Type locality: Parnes. — Type age: Eocene (Lutetian). 1858-*DescrCoqFoss*: 595, as *Sportella*, with this species as its type. — Current status: *Sportella dubia* (Deshayes, 1824) (Glibert & Van de Poel 1967: 50; Le Renard & Pacaud 1995: 75; Pacaud 2008: 89; Nevesskaja *et al.* 2013: 316, fig. 113-17).

*erycinoides*, *Sportella* – Deshayes, 1858-*DescrCoqFoss*: 596-597, 49, pl. 49, figs 16-18. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Current status: *Sportella erycinoides* Deshayes, 1858 (Le Renard & Pacaud 1995: 75; Pacaud 2008: 89).



*forbesi*, *Poromya* – Deshayes, 1857-*DescrCoqFoss*: 253, 11 bis, pl. 11 bis, figs 23-25 [in text as 12 bis]; 1865-*DescrCoqFoss*: 665 [error noted]. — Type locality: Aizy-Jouy. — Type age: Eocene (Ypresian). — Current status: *Fulcrella forbesi* (Deshayes, 1857) (Le Renard & Pacaud 1995: 74).

*fragilis*, *Sportella* – Deshayes, 1857-*DescrCoqFoss*: 48, pl. 48, figs 12-14; 1858-*DescrCoqFoss*: 599. — Type localities: Abbecourt, Aizy-Jouy, Laon & Mercin-et-Vaux. — Type age: Eocene (Thanetian-Ypresian). — Current status: *Sportella fragilis* Deshayes, 1857 (Glibert & Van de Poel 1967: 50; Le Renard & Pacaud 1995: 75).

*gibbosula*, *Sportella* – Deshayes, 1857-*DescrCoqFoss*: 48, pl. 48, figs 15-17; 1858-*DescrCoqFoss*: 600-601. — Type localities: Hérouval, Le Vivray & Cuise-la-Motte. — Type age: Eocene (Ypresian-Lutetian). — Current status: *Sportella gibbosula* Deshayes, 1857 (Glibert & Van de Poel 1967: 50; Le Renard & Pacaud 1995: 75).

*heterodonta*, *Sportella* – Deshayes, 1858-*DescrCoqFoss*: 603, 49, pl. 49, figs 19-22. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Current status: synonym of *Sportella (Sportella) corbulina* Deshayes, 1857 (Cossmann 1887: 12).

*inaequilateralis*, *Sportella* – Deshayes, 1858-*DescrCoqFoss*: 601-602, 49, pl. 49, figs 39-41. — Type localities: Beauchamp & Auvers-sur-Oise. — Type age: Eocene (Bartonian). — Current status: synonym of *Sportella (Sportella) depressa* Deshayes, 1858 (Cossmann 1887: 10).

*irregularis*, *Poromya* – Deshayes, 1857-*DescrCoqFoss*: 254, 15, pl. 15, figs 26-30. — Type localities: Mouchy-le-Châtel & Chaussy. — Type age: Eocene (Lutetian). — Current status: *Fulcrella irregularis* (Deshayes, 1857) (Glibert & Van de Poel 1967: 51; Le Renard & Pacaud 1995: 74; Pacaud 2008: 89).

*macromya*, *Sportella* – Deshayes, 1858-*DescrCoqFoss*: 597, 49, pl. 49, figs 42-44. — Type locality: Vaux-sur-Seine. — Type age: Eocene (Bartonian). — Type material: MNHN.FJ04169, holotype. — Current status: *Sportella macromya* Deshayes, 1858 (Glibert & Van de Poel 1967: 50; Le Renard & Pacaud 1995: 75, 77).

*modesta*, *Sportella* – Deshayes, 1857-*DescrCoqFoss*: 48, pl. 48, figs 21-23; 1858-*DescrCoqFoss*: 597-598. — Type locality: Laversine. — Type age: Eocene (Ypresian). — Current status: *Sportella modesta* Deshayes, 1857 (Glibert & Van de Poel 1967: 50; Le Renard & Pacaud 1995: 75; Pacaud 2008: 89).

*nitens*, *Sportella* – Deshayes, 1858-*DescrCoqFoss*: 600, 49, pl. 49, figs 4-6. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Sportella nitens* Deshayes, 1858 (Le Renard & Pacaud 1995: 75; Pacaud 2008: 89).

*paradoxa*, *Poromya* – Deshayes, 1857-*DescrCoqFoss*: 255-256, 11 bis, pl. 11 bis, figs 19-22 [in text as pl. 12 bis]; 1865-*DescrCoqFoss*: 665 [error noted]. — Type locality: Aizy-Jouy. — Type age: Eocene (Ypresian). — Type species (OD) of *Fulcrella* Cossmann, 1886. — Current status: *Fulcrella paradoxa* (Deshayes, 1857) (Le Renard & Pacaud 1995: 74; Nevešskaja *et al.* 2013: 318, fig. 113-21, with species misspelled as “*paradala*”).

*proxima*, *Sportella* – Deshayes, 1857-*DescrCoqFoss*: 48, pl. 48, figs 30-32; 1858-*DescrCoqFoss*: 599-600. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Sportella proxima* Deshayes, 1857 (Le Renard & Pacaud 1995: 75; Pacaud 2008: 89).

*rotundata*, *Poromya* – Deshayes, 1857-*DescrCoqFoss*: 255, 15, pl. 15, figs 31-33. — Type locality: Chaussy. — Type age: Eocene (Lutetian). — Type species (SD Cossmann, 1913) of *Angusticardo* Cossmann, 1887. *Sportella (Angusticardo) rotundata* (Deshayes, 1857) (Glibert & Van de Poel, 1967: 51). — Current status: *Angusticardo rotundata* (Deshayes, 1857) (Le Renard & Pacaud 1995: 75; Pacaud 2008: 89; Nevešskaja *et al.* 2013: 318, fig. 113-20).

## Family CYRENIDAE J. E. Gray, 1840

Deshayes evidently sent material to Temple Prime, explaining why some type material of this family is now present in the Museum of Comparative Zoology at Harvard University (Johnson 1959).

*Anomala* – Deshayes, 1855a: 20-23, *non* Block, 1799 [Hymenoptera], *nec* Leach, in Samouelle, 1819 [Coleoptera], *nec* Stephens, 1829 [Coleoptera]. This name was introduced as a subgenus of *Cyrena* Lamarck, 1818, but Deshayes (1855a) did not include his new species *Cyrena anomala* among those with this subgeneric name, perhaps by mistake. It is thus not eligible to be the type species, although it has been listed as such. We here designate *Cyrena (Anomala) cumingii* Deshayes, 1855, as the type species of *Anomala* Deshayes, 1855. — Current status: *Egeta* H. Adams & A. Adams, 1858 (Adams & Adams 1858: 651), is a replacement name.

*Isodoma* – Deshayes, 1857-*DescrCoqFoss*: 32, pl. 32, figs 12-14; 1858-*DescrCoqFoss*: 481-483. — Type species (M): *Isodoma cyrenoides* Deshayes, 1858. France. — Type age: Eocene. — Current status: synonym of *Geloina* J. E. Gray, 1842.

*Velorita* – Deshayes, 1855d: 240. Unjustified emendation of *Viliorita* J. E. Gray, in Griffith & Pidgeon, 1834, because the original spelling was noted. The same misspelling appeared in J. E. Gray (1840: 149), there counting as an incorrect subsequent spelling.

*abbreviata*, *Cyrena* – Deshayes, 1857-*DescrCoqFoss*: 38, pl. 38, figs 13-14; 1858-*DescrCoqFoss*: 491. — Type locality: Caumont. — Type age: Eocene (Bartonian). — Current status: *Polymesoda (Geloina) abbreviata* (Deshayes, 1857) (Le Renard & Pacaud 1995: 72).

*acutangularis*, *Cyrena* – Deshayes, 1857-*DescrCoqFoss*: 38, pl. 38, figs 17-18; 1858-*DescrCoqFoss*: 517-518. — Type localities: Châlons-sur-Vesle, Gueux & Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Type species (SD Dall, 1903) of *Donacopsis* Sandberger, 1872. *Polymesoda (Donacopsis) acutangularis* (Deshayes, 1857) (Glibert & Van de Poel 1966b: 12). — Current status: *Corbicula (Donacopsis) acutangularis* (Deshayes, 1857) (Le Renard & Pacaud 1995: 73).

*aequilatera*, *Cyrena* – Deshayes, 1855a: 20. — Type locality: Cayenne; rivulets; Cuming coll. — Type age: Recent. 1855d: 255, as *Cyrena aequilateralis*. G. B. Sowerby II, 1877a: pl. 19, fig. 114, as *Cyrena aequilateralis*. — Type material: NHMUK 1965.12.3.1, lectotype; 1965.12.3.2, paralectotype; MCZ 176948, paralectotype (Johnson 1959: 442, pl. 7, fig. 6, as “*Cyrena aequilateralis*”). However, the original spelling has to stand. — Current status: *Polymesoda (Polymesoda) aequilatera* (Deshayes, 1855) (Huber 2015: 314).

*aequilateralis*, *Cyrena* – see entry above.

*affinis*, *Cyrena* – Deshayes, 1854f: 16; 1855d: 245. — Type locality: Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 1956.12.3.26, holotype; 1956.12.3.27, paratype (Johnson 1959: 442, pl. 5, fig. 3). — Current status: synonym of *Geloina oviformis* (Deshayes, 1854) (Huber 2015: chapter 5 on CD).

*ambigua*, *Corbicula* – Deshayes, 1855d: 223; 1855c: 345. — Type locality: Euphrates [River], Syria/Iraq; Cuming coll. — Type age: Recent. G. B. Sowerby, 1877: pl. 15, fig. 73. NHMUK 1850.11.1.260-261, 2 syntypes. — Current status: synonym of *Corbicula (Corbicula) fluminalis* (Müller, 1774) [*Tellina*] (Huber 2015: chapter 5 on CD).

*amygdalina*, *Cyrena* – Deshayes, 1857-*DescrCoqFoss*: 37, pl. 37, figs 22-23; 1858-*DescrCoqFoss*: 500. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). *Polymesoda (Isodoma) amygdalina* (Deshayes, 1857) (Glibert & Van de Poel 1966b: 5-6). — Current status: *Polymesoda (Geloina) amygdalina* (Deshayes, 1857) (Le Renard & Pacaud 1995: 73).

*angulata*, *Cyrena* (*Anomala*) – Deshayes, 1855a: 22-23; 1855d: 259-260, *non* F. A. Roemer, 1836. — Type locality: none given; Cuming coll. — Type age: Recent. *Cyrena tumida* Prime, 1865 (Prime 1865: 26), replacement name. — Current status: both are synonyms of the eastern Pacific *Polymesoda* (*Egeta*) *inflata* (Philippi, 1851) [*Cyrena*] (Coan & Valentich-Scott 2012: 468; Huber 2015: chapter 5 on CD; Coan & Kabat 2017: 82).

*angusta*, *Cyrena* – Deshayes, 1857-DescrCoqFoss: 37, pl. 37, figs 9-12; 1858-DescrCoqFoss: 508-509. — Type locality: Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). 1858: 552. *Corbicula* (*Loxoptychodon*) *angusta* (Deshayes, 1857 (Glibert & Van de Poel, 1966a: 13). — Current status: *Corbicula* (*Tellinocyclus*) *angusta* (Deshayes, 1857) (Le Renard & Pacaud 1995: 73).

*anomala*, *Cyrena* – Deshayes, 1855a: 21-22; 1855d: 257. Caraccas., — Type localities: Venezuela & Peru; Cuming coll. — Type age: Recent. G. B. Sowerby, 1877: pl. 19, fig. 105. — Type material: NHMUK 1957.6.25.8-9, 2 syntypes; MCZ 143090, syntype (Johnson 1959: 443). — Current status: *Polymesoda* (*Egeta*) *anomala* (Deshayes, 1855) (Coan & Valentich-Scott 2012: 466; Huber 2015: 317).

*arctata*, *Cyrena* – Deshayes, 1855a: 20; 1855d: 253. — Type locality: Maracaibo, Venezuela; Cuming coll. — Type age: Recent. — Type material: NHMUK 1956.12.3.38, lectotype; 1956.12.3.29-30, 2 paralectotypes; MCZ 176878, 16 paralectotypes (Johnson 1959: 443, pl. 5, fig. 2). — Current status: *Polymesoda* (*Neocyrena*) *arctata* (Deshayes, 1855) (Huber 2015: 315).

*arvernensis*, *Cyrena* – Deshayes, 1839-TraitElem: 698. New species based on *Cyrena pisum* Deshayes, 1825, of Bouillet, 1835, *non* Deshayes, 1825. — Type locality: Nonette, Auvergne. — Type age: Oligocene (Chattian). — Current status: *Corbicula arvernensis* (Deshayes, 1839) (Prime 1860: 268, as *C. "arveniensis"*).

*atrata*, *Batissa* – Deshayes, 1854f: 14-15; 1855d: 240. — Type locality: none given; Cuming coll. — Type age: Recent. — Current status: *Batissa atrata* Deshayes, 1854 (Huber 2015: chapter 5 on CD, but a *nomen dubium*).

*australis*, *Batissa* – Deshayes, 1855c: 346. — Type locality: Australia; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1876a: pl. 5, fig. 13, as *Cyrena*. — Type material: NHMUK 1968521, 3 syntypes. *Batissa australis* Deshayes, 1855 (Huber 2015: 322). — Current status: synonym of *Batissa violacea* (Lamarck, 1818) [*Cyrena*] – Australian Freshwater Molluscs (lucidcentral.org), consulted September 8, 2022.

*australis*, *Cyrena* – Deshayes, 1830b-EncyMeth: 50; 1835-HistNatAnim2: 278; 1843-HistNatAnim3: 590. — Type locality: Australia; Quoy. — Type age: Recent. — Current status: *Corbicula australis* (Deshayes, 1830) (Huber 2015: 310).

*bengalensis*, *Corbicula* – Deshayes, 1855d: 224; 1855c: 344. — Type locality: Bengal, India/Bangladesh; Cuming coll. — Type age: Recent. G. B. Sowerby, 1877: pl. 11, fig. 50. — Type material: MCZ 176920, lectotype (Johnson 1959: 444, as *Corbicula "bengalica"*); NHMUK 1968512, 2 paralectotypes. — Current status: synonym of *Corbicula* (*Corbicula*) *striatella* Deshayes, 1855) (Huber 2015: chapter 5 on CD).

*bensoni*, *Corbicula* – Deshayes, 1855d: 223; 1855c: 345. — Type locality: Bengal, India/Bangladesh; Benson; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1877a: pl. 11, fig. 44. — Type material: NHMUK 1956.12.3.31, lectotype; 1956.12.3.32, paralectotype; MCZ 176918, 2 paralectotypes (Johnson 1959: 444-445, pl. 6, fig. 1). — Current status: *Corbicula* (*Corbicula*) *bensoni* Deshayes, 1855 (Huber 2015: chapter 5 on CD).

*bouilleti*, *Cyrena* – Deshayes, 1839-TraitElem: 698. New species based on *Cyrena depressa* Deshayes, 1824, of Bouillet, 1835 (p. 655-656),

*non* Deshayes, 1824. — Type localities: Nonette, Four-La-Brouque & Ébreuil, Auvergne. — Type age: Oligocene (Chattian). — Current status: *Corbicula bouilleti* (Deshayes, 1839) (Prime 1860: 268).

*brasiliiana*, *Corbicula* – Deshayes, 1855d: 232. — Type locality: Brazil. — Type age: Recent. — Type material: NHMUK 1845.6.6.14-15, 1845.8.29.7-10, 5 possible syntypes. — Current status: *Cyanocyclus brasiliiana* (Deshayes, 1855) (Simone 2006: 297; Huber 2015: 312-313, syntype fig.).

*breviuscula*, *Cyrena* – Deshayes, 1857-DescrCoqFoss: 36, pl. 36, figs 9-11; 1858-DescrCoqFoss: 503-504. — Type localities: Damery, Fleury-la-Rivière & Boursault. — Type age: Eocene (Lutetian). Synonym of *Polymesoda* (*Pseudocyrena*) *cycladiformis* (Deshayes, 1825) [*Cyrena*] (Glibert & Van de Poel 1966b: 8). — Current status: synonym of *Polymesoda* (*Pseudocyrena*) *laevis* (Lamarck, 1805) [*Erycina*] (Le Renard & Pacaud 1995: 73).

*britannica*, *Cyrena* – Deshayes, 1850-TraitElem: 697. “Replacement name for *Cyclas deperdita* J. Sowerby, 1817 (J. Sowerby 1817: 139-140, pl. 162, figs 2-3), *non* Lamarck, 1806” (Pacaud 2007: 64), but this was a misinterpretation, because it was J. Sowerby’s use of Lamarck’s name for a fossil from England, not the case of a homonym. It would thus be a new species based on J. Sowerby’s figure and his material. — Type locality: Carlton & Plumstead, England. — Type age: Eocene (Ypresian). Senior objective synonym of *Cyclas subdeperdita* d’Orbigny, 1850b (d’Orbigny 1850b: 305, no. 143), who also proposed a new species for this concept. The Deshayes name was pre-April; the d’Orbigny name was November. — Current status: *Corbicula britannica* (Deshayes, 1850) (S. V. Wood 1877: 11-12, pl. B, fig. 2).

*cardioides*, *Cyrena* – Deshayes, 1857-DescrCoqFoss: 36, pl. 36, figs 1-3; 1858-DescrCoqFoss: 498. — Type localities: Cramant & Mont-Bernon (Epernay). — Type age: Eocene (Ypresian). — Current status: *Corbicula* (*Corbicula*) *cardioides* (Deshayes, 1857) (Glibert & Van de Poel 1966b: 11; Le Renard & Pacaud 1995: 72).

*caroliniensis*, *Cyrena* – Deshayes, 1835-HistNatAnim2: 276; HistNatAnim3: 590; 1855d: 254. Error for *Polymesoda caroliniana* (Bosc, 1801) [*Cyclas*].

*cashmiriensis*, *Corbicula* – Deshayes, 1855d: 224; 1855c: 344. — Type locality: “Cashmire” [Kashmir], Indian subcontinent; Cuming coll. — Type age: Recent. — Misspelled as *C. "cashmirensis"* in some works. — Current status: *Corbicula cashmiriensis* Deshayes, 1855 (Prashad 1928: 20-21, pl. 3, figs 14-18, as “1854”; Huber 2015: chapter 5 on CD).

*compressa*, *Corbicula* – Deshayes, 1855d: 227 “Mousson mss fide Morelet”. — Type locality: Rivers in Java. — Type age: Recent. G. B. Sowerby, 1877: pl. 12, fig. 58. — Type material: MNHN-IM-2000-32437, 2 syntypes. — Current status: synonym of *Corbicula* (*Corbicula*) *rivalis* (Busch, in Philippi, 1851) [*Cyrena*] (Huber 2015: chapter 5 on CD).

*compressa*, *Cyrena*; see *depressa*, *Cyrena*, below.

*compta*, *Cyrena* – Deshayes, 1855a: 18-19; 1855d: 249-250. — Type locality: none given; Cuming coll. — Type age: Recent. G. B. Sowerby, 1877: pl. 19, fig. 112. — Type material: NHMUK 1957.6.25.2, holotype. — Current status: synonym of *Geloina expansa* (Mousson, 1849) [*Cyrena*] from the Andaman Sea (Huber 2015: 320, chapter 5 on CD).

*conjuncta*, *Cyrena* – Deshayes, 1854f: 15; 1855d: 244. — Type locality: none given; Cuming coll. — Type age: Recent. — Current status: *Geloina conjuncta* (Deshayes, 1854), but a *nomen dubium* (Huber 2015: chapter 5 on CD).



*convexa*, *Corbicula* – Deshayes, 1855d: 231-232; 1855c: 342-343. — Type locality: Central America; Cuming coll. — Type age: Recent. — Type material: MCZ 143099, lectotype (Johnson 1959: 448). — Current status: synonym of *Cyanocyclus paranacensis* (d'Orbigny, 1835) [*Cyclas*] (Huber 2015: chapter 5 on CD).

*corbiculoides*, *Batissa* – Deshayes, 1854f: 14; 1855d: 239. — Type locality: New Guinea; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1876a: pl. 6, fig. 20, as *Cyrena* “*corbuloides*” and “Louisiane Archipelago”. — Type material: NHMUK 1957.6.25.4, lectotype; MCZ 119015, paralectotype (Johnson 1959: 448, pl. 3, fig. 2). — Current status: *Batissa corbiculoides* Deshayes, 1854 (Huber 2015: 323, lectotype).

*cordiformis*, *Cyrena* – Deshayes, 1824-DictClass5: 290-291. — Type locality: Valmondois. — Type age: Eocene (Bartonian). Preoccupies *Cyrena cordiformis* Récluz, 1853. — Current status: *taxon inquirendum*.

*crassa*, *Cyrena* – Deshayes, 1825-DescrCoqFoss: 119, 9 [as *C. “spissa”*], pl. 18, figs 14-15; 1830b-EncyMeth: 47; 1835-HistNatAnim2: 282; 1839-HistNatAnim3: 592; 1837-DescrCoqFoss: 811 [error in pl. expl. corrected]. — Type locality: Valmondois. — Type age: Eocene (Bartonian). 1858-DescrCoqFoss: 502. Synonym of *Polymesoda (Polymesoda) deperdita* (Lamarck, 1806) [*Cyclas*] (Glibert & Van de Poel 1966b: 9). — Current status: *Corbicula (Corbicula) crassa* (Deshayes, 1857) (Le Renard & Pacaud 1995: 72).

*cumingii*, *Corbicula* – Deshayes, 1855d: 228. — Type localities: Luzon Island, Philippine Islands & India. — Type age: Recent. G. B. Sowerby II, 1877: pl. 12, fig. 53. — Type material: NHMUK 20110001-3, 3 syntypes. — Current status: synonym of *Corbicula (Corbicula) malinensis* (Philippi, 1844) [*Cyrena*] (Huber 2015: chapter 5 on CD).

*cumingii*, *Cyrena (Anomala)* – Deshayes, 1855a: 22; 1855d: 257-258. — Type locality: Central America; Cuming coll. — Type age: Recent. — Type material: NHMUK 1952.10.30.1, “holotype”; MCZ 187468, lectotype (Johnson 1959: 449). — **Type species of the pre-occupied *Anomala* Deshayes, 1855, designated here, now replaced by *Egeta* H. Adams & A. Adams, 1858 (see above).** — Current status: synonym of *Polymesoda (Egeta) inflata* (Philippi, 1851) [*Cyrena*] (Coan & Valentich-Scott 2012: 468; Huber 2015: chapter 5 on CD).

*cycladiformis*, *Cyrena* – Deshayes, 1825-DescrCoqFoss: 121-122, 9, pl. 19, figs 7-9; 1858-DescrCoqFoss: 504-505. Houdan, Damery, La Ferme de l'Orme & Thiverval-Grignon. — Type age: Eocene (Lutetian). *Polymesoda (Polymesoda) cycladiformis* (Deshayes, 1825) (Glibert & Van de Poel 1966b: 8-9). However, Deshayes (1825) listed *Erycina laevis* Lamarck, 1805, in synonymy without explanation why a replacement name was needed. Lamarck's name is valid and takes precedence (T. A. Neubauer, pers. comm., March 15, 2022). — Current status: synonym of *Polymesoda (Pseudocyrena) laevis* (Lamarck, 1805) [*Erycina*] (Le Renard & Pacaud 1995: 73; Pacaud 2008: 90).

*cyrena*, *Mactra* – 1835a: 321, *nomen nudum*, but said by Deshayes to actually be a *Cyrena*.

*cyrenoides*, *Isodoma* – Deshayes, 1857-DescrCoqFoss: 32, pl. 32, figs 12-14; 1858-DescrCoqFoss: 482-483. — Type localities: Coincourt & Liancourt-Saint-Pierre. — Type age: Eocene (Lutetian). Mayer-Eymar (1893: 57) renamed this species when he placed both it and *Mactra cyrenoides* Michelotti, 1861, in the genus *Cyrena*. — Current status: *Polymesoda (Geloïna) loustauae* (Mayer-Eymar, 1893) [*Cyrena*] (Le Renard & Pacaud 1995: 73; Pacaud 2008: 90).

*decipiens*, *Cyrena* – Deshayes, 1855a: 17; 1855d: 248. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 1968517, holotype. — Current status: synonym of *Geloïna papua* (Lesson, 1831) [*Cyrena*] from Irian Jaya (Huber 2015: 321, chapter 5 on CD).

*depressa*, *Cyrena* – Deshayes, 1824-DictClass5: 290; 1825-DictClass: pl. [77], fig. 1; 1831-DictClass17: 117, *non* Lamarck, 1818; 1825-DescrCoqFoss: 121, 9, pl. 18, figs 16-18; 1830b-EncyMeth: 48; 1835-HistNatAnim2: 279; 1839-HistNatAnim3: 591, both as *C. compressa*; 1850-TraitElem: 701; 1858-DescrCoqFoss: 495, as *C. compressa*. — Type locality: Houdan. — Type age: Eocene (Lutetian). Deshayes switched names in 1835, presumably because he realized the homonymy with Lamarck's (1818) species. Not to be confused with *Corbicula compressa* Deshayes, 1855, from India. *Cyclas subdepressa* d'Orbigny, 1850b (d'Orbigny 1850b: 381, no. 853), unnecessary additional replacement name. — Current status: *Polymesoda (Geloïna) compressa* Deshayes, 1835 (Glibert & Van de Poel 1966b: 4, as “1825”; Le Renard & Pacaud 1995: 72; Pacaud 2007: 64; Pacaud 2008: 90, the latter three as “Deshayes & Milne-Edwards”).

*difficilis*, *Cyrena* – Deshayes, 1857-DescrCoqFoss: 37, pl. 37, figs 3-5; 1858-DescrCoqFoss: 513-514. — Type locality: Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). — Current status: synonym of *Corbicula (Loxoptychodon) angustidens* (Melleville, 1843) [*Cyrena*] (Glibert & Van de Poel 1966b: 13). Synonym of *Corbicula (Loxoptychodon) intermedia* (Melleville, 1843) [*Cyrena*] (Le Renard & Pacaud 1995: 73).

*distincta*, *Cyrena* – Deshayes, 1857-DescrCoqFoss: 35, pl. 35, figs 7-9; 1858-DescrCoqFoss: 492-493. — Type locality: Caumont. — Type age: Eocene (Bartonian). — Current status: *Polymesoda (Geloïna) distincta* (Deshayes, 1857) (Le Renard & Pacaud 1995: 72).

*divaricata*, *Cyrena* – Deshayes, 1855a: 17-18. — Type locality: New Guinea; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1876a: pl. 8, fig. 28. *Geloïna divaricata* (Deshayes, 1855) (Huber 2015: 320).

*donacialis*, *Cyrena* – Deshayes, 1824-DictClass5: 290; 1830b-EncyMeth: 48; 1858-DescrCoqFoss: 513, equivalent to *Cyclas cuneiformis* J. Sowerby, 1817. — Type locality: Soissons. — Type age: Eocene (Ypresian). — Current status: synonym of *Corbicula (Loxoptychodon) cuneiformis* (J. Sowerby, 1817) (Le Renard & Pacaud 1995: 73).

*dura*, *Cyrena* – Deshayes, 1855a: 20; 1855d: 252. — Type locality: none given; Cuming coll. — Type age: Recent. — Current status: *Polymesoda dura* (Deshayes, 1855), but *nomen dubium* (Huber 2015: chapter 5 on CD).

*dutemplei*, *Cyrena* – Deshayes, 1857-DescrCoqFoss: 34, pl. 34, figs 43-44; 1858-DescrCoqFoss: 493-494. — Type locality: Hermonville. — Type age: Eocene (Lutetian). — Current status: *Corbicula (Corbicula) dutemplei* (Deshayes, 1857) (Le Renard & Pacaud 1995: 72; Pacaud 2008: 90).

*essingtonensis*, *Cyrena* – Deshayes, 1855a: 19; 1855d: 251. — Type locality: Port Essington, Northern Territory, Australia; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1876a: pl. 9, fig. 36. — Type material: NHMUK 1968519, holotype. — Current status: synonym of *Geloïna oviformis* (Deshayes, 1854) (Huber 2015: chapter 5 on CD).

*fabulina*, *Cyrena* – Deshayes, 1857-DescrCoqFoss: 37, pl. 37, figs 13-15; 1858-DescrCoqFoss: 506. — Type locality: Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). — Current status: *Corbicula (Corbicula) fabulina* (Deshayes, 1857) (Le Renard & Pacaud 1995: 73).

*fallax*, *Cyrena* – Deshayes, 1854f: 15; 1855d: 244. — Type localities: Philippine Islands & Australia; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1876a: pl. 10, fig. 41. — Type material: NHMUK 1956.12.3.3, holotype; 1956.12.3.4, paratype; MCZ 176887, paratype (Johnson 1959: 451). — Current status: synonym of *Geloïna expansa* (Mousson, 1849) [*Cyrena*] (Huber 2015: chapter 5 on CD).

*faujassii*, *Cyrena* – Deshayes, 1830b-EncyMeth: 51; 1835-HistNatAnim2: 280; 1839-HistNatAnim3: 591. — Type localities: Oppenheim, Weisnau & near Mayence. — Type age: Miocene (Aquitanian). *Polymesoda* (*Pseudocyrena*) *faujassii* (Deshayes, 1830) (Glibert & Van de Poel 1966b: 10). — Type species (OD) of *Falsocorbicula* Kadolsky, 1989 (Kadolsky 1989: 124; 2008). — Current status: *Falsocorbicula faujassii* (Deshayes, 1830).

*forbesi*, *Cyrena* – Deshayes, 1857-DescrCoqFoss: 37, pl. 37, figs 24-27; 1858-DescrCoqFoss: 510. — Type locality: Sinceny. — Type age: Eocene (Ypresian). Synonym of *Corbicula* (*Loxoptychodon*) *cuneiformis* (J. Sowerby, 1817) (Glibert & Van de Poel 1966b: 13). — Current status: synonym of *Corbicula* (*Loxoptychodon*) *antiqua* (Férussac, 1822) [*Cyrena*] (Le Renard & Pacaud 1995: 73).

*geslini*, *Cyrena* – Deshayes, 1830b-EncyMeth: 52; 1835-HistNatAnim2: 280; 1839-HistNatAnim3: 591. 1860c: 384-385, pl. 14, figs 3-4. — Type locality: Saint-Paul-lès-Dax. — Type age: Miocene. — Current status: *Cyrena geslini* Deshayes, 1830 (Cossmann & Peyrot 1911: 71-72; 1912b: pl. 19, figs 48-49).

*grandis*, *Corbicula* – Deshayes, 1855d: 225; 1855c: 344. — Type locality: China “?”; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1877: pl. 14, fig. 71. — Current status: synonym of the Asian *Corbicula* (*Cyrenobatissa*) *similis* (W. Wood, 1828) [*Venus*] (Huber 2015: chapter 5 on CD), a subgenus now generally treated as a synonym of *Corbicula*.

*gravii*, *Cyrena* – Deshayes, 1825-DescrCoqFoss: 120, 9, pl. 19, figs 3-4; 1830b-EncyMeth: 48, as *Cyrena gravesii*; 1835-HistNatAnim2: 278-279; 1839-HistNatAnim3: 591, both as *Cyrena gravesii*; 1837-DescrCoqFoss: 810 [name changed to *gravesii*]; 1839-TraitElem: 11, pl. 18, fig. 4; 1850-TraitElem: 697; 1858-DescrCoqFoss: 498. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). *Corbicula* (*Corbicula*) *gravesi* (Deshayes, 1825) (Glibert & Van de Poel 1966b: 12). — Current status: *Corbicula* (*Corbicula*) *gravii* (Deshayes, 1825) (Le Renard & Pacaud 1995: 72; Pacaud *et al.* 2021: 11, fig. 4).

*heberti*, *Cyrena* – Deshayes, 1857-DescrCoqFoss: 36, pl. 36, figs 4-6; 1858-DescrCoqFoss: 516-517. — Type locality: Sinceny. — Type age: Eocene (Ypresian). *Polymesoda* (*Donacopsis*) *heberti* (Deshayes, 1857) (Le Renard & Pacaud 1995: 73). — Current status: *Donacopsis heberti* (Deshayes, 1857) (Spijkerman *et al.* 2015: 171).

*heterodonta*, *Cyrena* – Deshayes, 1857-DescrCoqFoss: 34, pl. 34, figs 13-15; 1858-DescrCoqFoss: 518-519. — Type locality: Jeurre. — Type age: Oligocene (Rupelian). — Current status: synonym of *Cyrenorita neglecta* (Nyst, 1836) [*Erycina*] (A. W. Janssen 1981: 243).

*humerosa*, *Batissa* – Deshayes, 1854f: 14; 1855d: 239. — Type locality: New Guinea; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1876a: pl. 6, fig. 18, as *Cyrena*. — Type material: NHMUK 1968522, holotype. — Current status: synonym of *Batissa corbiculoides* (Deshayes, 1854) [*Cyrena*] (Huber 2015: chapter 5 on CD).

*impressa*, *Cyrena* – Deshayes, 1855a: 18; 1855d: 249. — Type localities: Java, Philippine Islands & Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 1968518, 2 syntypes from Java. — Current status: synonym of *Geloina coaxans* (Gmelin, 1791) [*Venus*] (Huber 2015: chapter 5 on CD).

*incerta*, *Cyrena* – Deshayes, 1855a: 19; 1855d: 250-251. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 1957.6.25.5, holotype. — Current status: synonym of *Geloina expansa* (Mousson, 1849) [*Cyrena*] from the Andaman Sea (Huber 2015: 320, chapter 5 on CD).

*incompta*, *Cyrena* – Deshayes, 1857-DescrCoqFoss: 35, pl. 35, figs 1-3, 36, pl. 36, figs 19-20; 1858-DescrCoqFoss: 491-492,

as *Cyrena compta*; 1865-DescrCoqFoss: 665 [error in text header noted]. — Type localities: Ermenonville, Jaignes, Beauval, Montagny, Auvers-sur-Oise, Caumont & Le Ménil-Aubry. — Type age: Eocene (Bartonian). — Current status: *Polymesoda* (*Geloina*) *incompta* (Deshayes, 1857) (Glibert & Van de Poel 1966b: 4-5; Le Renard & Pacaud 1995: 72).

*incrassata*, *Corbicula* – Deshayes, 1855d: 233; 1855c: 342. — Type locality: none given; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1877: pl. 16, fig. 86. — Type material: NHMUK 1968514, 3 syntypes. — Current status: synonym of *Cyanocyclas cuneata* (Jonas, 1844) [*Cyrena*] from Venezuela (Simone 2006: 297, fig. 1033; Huber 2015: 313, chapter 5 on CD).

*inflata*, *Cyrena* (*Anomala*) – Deshayes, 1855a: 23, 1855d: 260, *non* Philippi, 1851. — Type locality: Panama; Cuming coll. — Type age: Recent. — Type material: NHMUK 1956.12.3.7, holotype; 1956.12.3.8, paratype; MCZ 176952, paratype (Johnson, 1959: 456). *Cyrena panamensis* Prime, 1860 (Prime 1860: 283), unnecessary replacement name. — Current status: synonym of *Polymesoda* (*Egeta*) *inflata* (Philippi, 1851) [*Cyrena*] (Coan & Valentich-Scott 2012: 468; Huber 2015: chapter 5 on CD).

*inquinata*, *Cyrena* – Deshayes, 1854f: 15; 1855d: 244. China, rivers; Cuming coll. — Type age: Recent. — Current status: *Geloina inquinata* (Deshayes, 1854), but *nomen dubium* (Huber 2015: chapter 5 on CD).

*insignis*, *Batissa* – Deshayes, 1854f: 13; 1855d: 236. — Type locality: Calamang, Luzon Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1956.12.3.9-10; 1956.12.3.10, paralectotype; MCZ 19007, paralectotype (Johnson, 1959: 456). — Current status: *Batissa insignis* Deshayes, 1854 (Huber 2015: 323-324).

*insignis*, *Cyrena* (*Anomala*) – Deshayes, 1855a: 20-21; 1855d: 255. — Type locality: Gulf of California, Mexico; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1876a: pl. 3, fig. 7, “Philippines”. — Type material: NHMUK 1957.6.25.10-11, lectotype & paralectotype; MCZ 19007, paralectotype (Johnson, 1959: 456). — Current status: synonym of the western Atlantic *Polymesoda* (*Polymesoda*) *caroliniana* (Bosc, 1801) [*Cyclas*] (Huber 2015: chapter 5 on CD).

*isocardioides*, *Cyrena* (*Anomala*) – Deshayes, 1855a: 22; 1855d: 258. — Type locality: “Columbia” [Colombia]; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1877: pl. 18, fig. 103. — Type material: NHMUK 1957.6.25.1, holotype. — Current status: synonym of *Polymesoda* (*Egeta*) *anomala* (Deshayes, 1855) (Coan & Valentich-Scott 2012: 466; Huber 2015: chapter 5 on CD).

*jukesii*, *Cyrena* – Deshayes, 1855a: 19; 1855d: 251. — Type locality: Cape Upstart, Queensland, Australia; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1877: pl. 18, fig. 105. — Type material: NHMUK 1957.6.25.16-17, 2 syntypes. — Current status: synonym of *Geloina oviformis* (Deshayes, 1854) (Huber 2015: chapter 5 on CD).

*lamberti*, *Cyrena* – Deshayes, 1857-DescrCoqFoss: 38, pl. 38, figs 9-10; 1858-DescrCoqFoss: 495. — Type locality: Sinceny. — Type age: Eocene (Ypresian). — Current status: *Polymesoda* (*Geloina*) *lamberti* (Deshayes, 1857) (Le Renard & Pacaud 1995: 72).

*lauta*, *Cyrena* – Deshayes, 1854f: 15-16; 1855d: 245. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 1956.12.3.11, lectotype; 1956.12.3.12-14, paralectotypes; MCZ 176904, paratype (Johnson, 1959: 458, pl. 4, fig. 3). — Current status: synonym of *Geloina bengalensis* (Lamarck, 1818) [*Cyrena*] (Huber 2015: 319, chapter 5 on CD) from the Philippine Islands.



*lenticularis*, *Batissa* – Deshayes, 1854f: 14; 1855d: 237. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1876a: pl. 1, fig. 2, as *Cyrena*. — Type material: NHMUK 1956.12.3.13, lectotype; 1856.12.3.14, paralectotype; MCZ 57001, paralectotype (Johnson 1959: 458). — Current status: *Batissa lenticularis* Deshayes, 1854 (Huber 2015: 324).

*lunulata*, *Cyrena* – Deshayes, 1857-DescrCoqFoss: 34, pl. 34, figs 16-19; 1858-DescrCoqFoss: 496-497. — Type locality: Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). — Current status: *Polymesoda* (*Geloina*) *lunulata* (Deshayes, 1857) (Pacaud 1994b: 55, figs 1-3; Le Renard & Pacaud 1995: 73).

*mactroides*, *Cyrena* – Deshayes, 1855a: 17; 1855d: 246, non F. A. Roemer, 1835. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 1956.12.3.33, holotype; MCZ 176903, paratype (Johnson 1959: 459, pl. 3, fig. 3). *Cyrena mactraeformis* Prime, 1860 (Prime 1860: 281), replacement name. — Current status: *Geloina mactraeformis* (Prime, 1860) [*Cyrena*] (Huber 2015: 320, chapter 5 on CD) from the Solomon Islands.

*malaccensis*, *Corbicula* – Deshayes, 1855d: 229; 1855c: 343. — Type locality: Rivers of Malacca; Cuming coll. — Type age: Recent. — Type material: MCZ 152921, lectotype (Johnson 1959: 459-460); NHMUK 1968515, 3 paralectotypes. — Current status: *Corbicula malaccensis* Deshayes, 1855 (Huber 2015: 304).

*megadesma*, *Batissa* – Deshayes, 1854f: 14; 1855d: 239-240. — Type locality: none given; Cuming coll. — Type age: Recent. — Current status: synonym of *Batissa tenebrosa* (Hinds, 1842) [*Cyrena*] (Huber 2015: 322, chapter 5 on CD) from the Fiji Islands.

*minuta*, *Cyrena* – Deshayes, 1857-DescrCoqFoss: 35, pl. 35, figs 10-12; 1858-DescrCoqFoss: 507. — Type locality: Cresnes. — Type age: Eocene (Bartonian). — Type material: MNHN.F.J04168, syntype. — Current status: *Corbicula* (*Tellinocyclus*) *minuta* (Deshayes, 1857) (Le Renard & Pacaud 1995: 73).

*moussoni*, *Corbicula* – Deshayes, 1855b: 227-228. — Type locality: Tikoja, Java. — Type age: Recent. — Current status: synonym of *Corbicula* (*Corbicula*) *javanica* (Mousson, 1849) [*Cyrena orientalis* var.] (Huber 2015: chapter 5 on CD).

*nitida*, *Cyrena* – Deshayes, 1855a: 23; 1855d: 250. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 1956.12.3.34 (Borneo), holotype; 1956.12.3.35, paratype; MCZ 176902, 4 paratypes (Johnson 1959: 462, pl. 4, fig. 4); MNHN-IM-2000-32436, syntype. — Current status: *Geloina nitida* (Deshayes, 1855) (Huber 2015: 321).

*nitidula*, *Cyrena* (*Anomala*) – Deshayes, 1855a: 21; 1855d: 256. — Type locality: none given; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1876a: pl. 10, fig. 38. — Type material: NHMUK 1968520, holotype. — Current status: synonym of the Panamic *Polymesoda* (*Egetaria*) *notabilis* (Deshayes, 1855) (Coan & Valentinich-Scott 2012; Huber 2015: chapter 5 on CD).

*nobilis*, *Cyrena* – Deshayes, 1857-DescrCoqFoss: 36, pl. 36, figs 14-15; 1858-DescrCoqFoss: 490-491. — Type locality: Hermonville. — Type age: Eocene (Lutetian). — Current status: *Polymesoda* (*Geloina*) *nobilis* (Deshayes, 1857) (Le Renard & Pacaud 1995: 72; Pacaud 2008: 90).

*notabilis*, *Cyrena* – Deshayes, 1855a: 21; 1855d: 256. — Type locality: Peru, river mouths; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1877: pl. 18, fig. 109. — Type material: NHMUK 1957.6.25.12-13, 2 syntypes; MNHN-IM-2000-32438, syntype. — Current status: *Polymesoda* (*Egetaria*) *notabilis* (Deshayes, 1855) (Huber 2015: 317).

*obliqua*, *Cyrena* – Deshayes, 1824-DictClass5: 290; 1825-DescrCoqFoss: 122, 9, pl. 19, figs 5-6; 1858-DescrCoqFoss: 506. — Type locality: Maule. — Type age: Eocene (Lutetian). — Current status: *Corbicula* (*Corbicula*) *obliqua* (Deshayes, 1824) (Le Renard & Pacaud 1995: 73; Pacaud 2008: 90).

*oblonga*, *Cyrena* – Deshayes, 1855d: 245, non Quoy & Gaimard, 1835, in synonymy of *Cyrena similis* Deshayes and as “Proc. Zool. Soc. 1854”, but *C. oblonga* does not appear in the Zoological Society paper. — Type locality: none given. — Type age: Recent. — Type material: NHMUK 1957.6.25.3, holotype. Figured by G. B. Sowerby II (1876a: pl. 9, fig. 37). No relation to *Cyrenella oblonga* Deshayes, 1855 [Ungulinidae]. — Current status: Synonym of *Geloina expansa* (Mousson, 1849) [*Cyrena*] (Huber 2015: chapter 5 on CD).

*obscura*, *Corbicula* – Deshayes, 1855d: 232-233; 1855c: 342. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 1968510, holotype. Counts (1991: 27, as “1854”), northern South America. — Current status: *Cyanocyclus obscura* (Deshayes, 1855) (Huber 2015: 313, holotype).

*obsoleta*, *Corbicula* – Deshayes, 1855d: 230-231; 1855c: 343. — Type locality: Uruguay; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1877: pl. 16, fig. 85. — Type material: NHMUK 1956.12.3.15, lectotype; 1956.12.3.16, paralectotype; MCZ 176912, 4 paralectotypes (Johnson 1959: 463). — Current status: synonym of *Cyanocyclus brasiliensis* (Deshayes, 1855) (Huber 2015: chapter 5 on CD).

*occidens*, *Corbicula* – Deshayes, 1855b: 223, ex Benson ms. — Type localities: India, Sikkim, Moredabad, Bengal; Cuming coll. — Type age: Recent. Deshayes thought Benson had already described this. — Type material: MCZ 187449, lectotype (Johnson 1959: 463); NHMUK uncatalogued, 3 paralectotypes. Listed by Preece et al. (2022: 240). — Current status: synonym of *Corbicula* (*Corbicula*) *striatella* Deshayes, 1855 (Huber 2015: chapter 5 on CD).

*ovalina*, *Corbicula* – Deshayes, 1855d: 229; 1855c: 343. — Type locality: Port Essington, Australia; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1877: pl. 15, fig. 79. — Type material: NHMUK 1968509, 3 syntypes. *Corbicula* (*Corbicula*) *ovalina* (Deshayes, 1855) (Huber 2015: 310, syntype). — Current status: synonym of *Corbicula australis* Deshayes, 1839 – Australian Freshwater Molluscs (lucidcentral.org) [consulted September 8, 2022].

*ovalina*, *Cyrena* – Deshayes, 1857-DescrCoqFoss: 36, as *C. “simplex”*, pl. 36, figs 16-18; 1858-DescrCoqFoss: 505; 1865-DescrCoqFoss: 666 [correction made]. — Type localities: Damery, Fleury-la-Rivière & Boursault. — Type age: Eocene (Lutetian). — Current status: synonym of *Polymesoda* (*Pseudocyrena*) *cycladiformis* (Deshayes, 1825) [*Cyrena*] (Glibert & Van de Poel 1966b: 8).

*oviformis*, *Cyrena* – Deshayes, 1854f: 16; 1855d: 245-246. — Type localities: Basilan, Philippines Islands & Port Essington, Northern Territory, Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 1956.12.3.36, holotype; 1956.12.3.37, paratype, both from Australia; MCZ 176885, paratype (Johnson 1959: 464, pl. 5, fig. 1). — Current status: *Geloina oviformis* (Deshayes, 1854) (Huber 2015: 321).

*pallida*, *Cyrena* – Deshayes, 1855a: 17; 1855d: 247-248. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 1992128, holotype. — Current status: synonym of *Geloina coaxans* (Gmelin, 1791) [*Venus*] (Huber 2015: 318, chapter 5 on CD) from Pakistan.

*parvula*, *Cyrena* – Deshayes, 1857-DescrCoqFoss: 37, pl. 37, figs 6-8; 1858-DescrCoqFoss: 509. — Type localities: Châlons-sur-Vesle & Brimont. — Type age: Paleocene (Thanetian). Synonym of *Corbicula* (*Loxoptychodon*) *angusta* (Deshayes, 1857) (Glibert & Van de Poel 1966b: 13). — Current status: *Corbicula* (*Tellinocyclus*) *angusta* [Deshayes, 1857] *parvula* (Deshayes, 1857) (Le Renard & Pacaud 1995: 73).

*peruviana*, *Cyrena* – Deshayes, 1855d: 259. — Type locality: Tumbes, Peru. — Type age: Recent. — Type material: NHMUK 1957.6.25.14-15, syntypes. — Current status: synonym of *Polymesoda inflata* (Philippi, 1851) [*Cyrena*] (Coan & Valentich-Scott 2012: 468), or of *Polymesoda (Egeta) anomala* (Deshayes, 1855) (Huber 2015: chapter 5 on CD).

*pisum*, *Cyrena* – Deshayes, 1825-DescrCoqFoss: 117-118, 10, pl. 19, figs 10-13. — Type locality: Houdan. — Type age: Eocene (Lutetian). 1858-DescrCoqFoss: 504. — Current status: synonym of *Polymesoda (Pseudocyrena) cycladiformis* (Deshayes, 1825) [*Cyrena*] (first revision: Glibert & Van de Poel 1966b: 8).

*placida*, *Cyrena* – Deshayes, 1855a: 19-20; 1855d: 252. — Type locality: none given; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1877: pl. 18, fig. 106. — Type material: NHMUK 1956.12.3.17, holotype; NHMUK 1956.12.3.18, paratype; MCZ 176889, paratype (Johnson 1959: 466). — Current status: synonym of *Geloina oviformis* (Deshayes, 1854) (first reviser: Huber 2015: 321, chapter 5 on CD) from Australia.

*planulata*, *Cyrena* – Deshayes, 1857-DescrCoqFoss: 35, pl. 35, figs 16-18; 1858-DescrCoqFoss: 501. — Type locality: Cresnes. — Type age: Eocene (Bartonian). — Type material: MNHN.F.J04152, syntype. — Current status: synonym of *Polymesoda (Polymesoda) deperdita* (Lamarck, 1806) [*Cyclas*] (Glibert & Van de Poel 1966b: 9).

*producta*, *Batissa* – Deshayes, 1854f: 13; 1855d: 236-237. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1876a: pl. 4, fig. 12, as *Cyrena*. — Type material: NHMUK 1957.6.25.20-21, 2 syntypes. — Current status: *Batissa producta* Deshayes, 1854 (Huber 2015: 325, syntype).

*psammocola*, *Cyrena* – Deshayes, 1857-DescrCoqFoss: 35, pl. 35, figs 4-6; 1858-DescrCoqFoss: 505-506. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: synonym of *Polymesoda (Geloina) tetragona* (Deshayes, 1857) (Cossmann 1886a: 138; Le Renard & Pacaud 1995: 73).

*rigaultii*, *Cyrena* – Deshayes, 1857-DescrCoqFoss: 36, pl. 36, figs 12-13; 1858-DescrCoqFoss: 494-495. — Type locality: Boursault. — Type age: Eocene (Lutetian). Synonym of *Polymesoda (Geloina) compressa* (Deshayes, 1835) [*Cyrena*] (Glibert & Van de Poel 1966b: 4). — Current status: *Polymesoda (Geloina) compressa* [Deshayes, 1835] *rigaultii* (Deshayes, 1857) (Le Renard & Pacaud 1995: 73).

*roborata*, *Cyrena* – Deshayes, 1857-DescrCoqFoss: 38, pl. 38, figs 15-16; 1858-DescrCoqFoss: 499-500. — Type locality: Mary-sur-Marne. — Type age: Eocene (Bartonian). — Current status: *Corbicula (Corbicula) roborata* (Deshayes, 1857) (Le Renard & Pacaud 1995: 72).

*saincenyensis*, *Cyrena* – Deshayes, 1857-DescrCoqFoss: 38, pl. 38, figs 7-8; 1858-DescrCoqFoss: 496. — Type locality: Sinceny. — Type age: Eocene (Ypresian). — Current status: *Polymesoda (Geloina) saincenyensis* (Deshayes, 1857) (Le Renard & Pacaud 1995: 72).

*semisulcata*, *Corbicula* – Deshayes, 1855d: 230; 1855c: 343. — Type locality: Victoria River, Australia; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1877: pl. 16, fig. 84, as Pondicherry, India. — Type material: NHMUK 1956.12.3.19, holotype; NHMUK 1956.12.3.20-23, paratypes; MCZ 143096, paratype (Johnson 1959: 470, pl. 3, fig. 1). — Current status: synonym of *Cyanocyclas limosa* (Maton, 1811) [*Tellina*] (Huber 2015: chapter 5 on CD).

*semistriata*, *Cyrena* – Deshayes, 1830b-EncyMeth: 52; 1835-Hist-NatAnim2: 281; 1839-Hist-NatAnim3: 591; 1858-DescrCoqFoss: 511-512, 36, pl. 36, figs 21-22. — Type locality: Kleine-Spouwen, near Maastricht. — Type age: Oligocene. Synonym of *Polymesoda (Pseudocyrena) convexa* (Brongniart, 1822) (Curry 1960: 273; Glib-

ert & Van de Poel 1966b: 6; R. Janssen 1979: 122-123; Esu & Girotti 2010: 164-166). — Current status: *Pseudocyrena convexa* (Brongniart, 1822) (Lozouet & Maestrati 2012a: 254, fig. 163: 5-8).

*similis*, *Cyrena* – Deshayes, 1854f: 16; 1855d: 245, non J. E. Gray, in Griffith & Pidgeon, 1834. — Type locality: Manilla, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1956.6.25.3, lectotype (also lectotype of *Cyrena oblonga*); MCZ 176899, 3 paralectotypes. *Cyrena wilkinsii* Johnson, 1959, replacement name (Johnson 1959: 471, pl. 6, fig. 3). — Current status: both are synonyms of *Geloina expansa* (Mousson, 1849) [*Cyrena*] (Huber 2015: 320, chapter 5 on CD).

*singularis*, *Cyrena* – Deshayes, 1857-DescrCoqFoss: 35, pl. 35, figs 13-15; 1858-DescrCoqFoss: 508. — Type locality: Cuis. — Type age: Eocene (Ypresian). — Current status: synonym of *Corbicula (Tellinocyclas) tellinoides* (Férussac, 1822) [*Cyrena*] (Cossmann 1886a: 136; Le Renard & Pacaud 1995: 73, as *C. "tellinella"*).

*sinuosa*, *Cyrena* – Deshayes, 1855a: 18; 1855d: 249. — Type locality: Panimbang River, Java; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1876a: pl. 7, fig. 26. — Type material: NHMUK 1957.6.25.6, lectotype; 1957.6.25.7, paralectotype; MCZ 176898, 2 paralectotypes (Johnson 1959: 472, pl. 4, fig. 2). — Current status: synonym of *Geloina coaxans* (Gmelin, 1791) [*Venus*] (Huber 2015: 318-319, chapter 5 on CD).

*squalida*, *Corbicula* – Deshayes, 1855d: 233; 1855c: 342. — Type locality: none given; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1877: pl. 17, fig. 99. — Type material: MCZ 187443, lectotype (Johnson 1959: 473); NHMUK 1968513, 3 paralectotypes; MNHN-IM-2000-25863, 2 paralectotypes. — Current status: synonym of the Indo-Pacific *Corbicula (Corbicula) manilensis* (Philippi, 1844) [*Cyrena*] (Huber 2015: 304, chapter 5 on CD).

*striatella*, *Corbicula* – Deshayes, 1855d: 224; 1855c: 344. — Type locality: Pondicherry, India. — Type age: Recent. G. B. Sowerby II, 1877: pl. 11, fig. 49. — Type material: NHMUK 1956.12.3.20, lectotype; 1956.12.3.21, paralectotype; MCZ 152920, 5 paralectotypes (Johnson 1959: 474, pl. 7, fig. 3). — Current status: *Corbicula (Corbicula) striatella* Deshayes, 1850 (Surya Rao *et al.* 2008: 12; Huber 2015: 309).

*sublobata*, *Cyrena* – Deshayes, 1855a: 18; 1855d: 248-249. — Type locality: none given; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1876a: pl. 10, fig. 39. NHMUK 1956.12.3.22, holotype; 1956.12.3.23, paratype. — Type material: MCZ 176898, 5 paratypes (Johnson 1959: 474). — Current status: synonym of *Geloina vanikorensis* (Quoy & Gaimard, 1835) [*Cyrena*] (Huber 2015: 321-322, chapter 5 on CD) from the South Pacific.

*suborbicularis*, *Batissa violacea* – Deshayes, 1855d: 238. — Type locality: Java. — Type age: Recent. — Current status: synonym of *Batissa violacea* (Lamarck, 1818) [*Cyrena*] (Huber 2015: chapter 5 on CD).

*subquadrata*, *Cyrena* – Deshayes, 1855a: 21; 1855d: 255. — Type locality: "California"; Cuming coll. — Type age: Recent. — Type material: NHMUK 1968523, 2 syntypes. Renamed *Cyrena californiensis* by Prime (1860: 276, 285) on the grounds that it was a junior homonym of *Cyrena subquadrata* (J. de C. Sowerby, 1836) [*Cyclas*], adding an odd name to the list of synonyms. — Current status: the western Atlantic *Polymesoda (Polymesoda) carolinana* (Bosc, 1801) [*Cyclas*] (Huber 2015: chapter 5 on CD).

*sulcatina*, *Corbicula* – Deshayes, 1855d: 233; 1855c: 345. — Type locality: none given; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1877: pl. 14, fig. 70. — Type material: MCZ 187458, lectotype (Johnson, 1959: 457). — Current status: synonym of *Corbicula (Corbicula) largillierti* (Philippi, 1844) [*Cyrena*] (Huber 2015: 303, chapter 5 on CD) from China.



*tetragona*, *Cyrena* – Deshayes, 1857-DescrCoqFoss: 34, pl. 34, figs 20-22; 1858-DescrCoqFoss: 502. — Type locality: Hérouval. — Type age: Eocene (Ypresian). — Current status: *Polymesoda* (*Geloina*) *tetragona* (Deshayes, 1857) (Le Renard & Pacaud 1995: 73).

*triangularis*, *Corbicula* – Deshayes, 1855d: 234; 1855c: 345. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 1957.6.25.22, lectotype; 1957.6.25.23-24, paralectotypes; MCZ 176923, paralectotype (Johnson, 1959: 476, pl. 7, fig. 2). — Current status: synonym of the widely introduced *Corbicula* (*Corbicula*) *fluminalis* (Müller, 1774) [*Tellina*] (Huber 2015: 299, chapter 5 on CD).

*trigona*, *Cyrena* – Deshayes, 1825-DescrCoqFoss: 118, 10, pl. 19, figs 16-17; 1858-DescrCoqFoss: 513. — Type locality: Dizy. — Type age: Eocene (Ypresian). — Current status: synonym of *Corbicula* (*Loxoptychodon*) *cuneiformis* (J. Sowerby, 1817) [*Cyclas*] (Glibert & Van de Poel 1966b: 13).

*trigona*, *Corbicula* – Deshayes, 1855d: 224; 1855c: 344. — Type locality: Pondicherry, India; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1877a: pl. 11, fig. 43. — Type material: MCZ 152922, lectotype (Johnson 1959: 476); NHMUK 1968511, paralectotypes. — Current status: synonym of *Corbicula* (*Corbicula*) *sriatella* Deshayes, 1855) (first reviser: Huber 2015: chapter 5 on CD). Preoccupies *Cyrena trigona* Roemer, 1836, a probable synonym of *Neomiodon macroides* (Roemer, 1836) [*Cyrena*].

*triquetra*, *Batissa* – Deshayes, 1854f: 13; 1855d: 236. — Type localities: Philippine Islands & Australia; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1876a: pl. 2, fig. 3, as *Cyrena*. — Type material: MCZ 119013, lectotype (Johnson 1959: 476-477); NHMUK 1957.6.25.18-19, 2 paralectotypes. — Current status: synonym of *Batissa philippinarum* (Hanley, 1844) [*Cyrena*] (Huber 2015: chapter 5 on CD).

*tumida*, *Corbicula* – Deshayes, 1855d: 229; 1855c: 343. — Type locality: Borneo; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1877: pl. 17, fig. 90. — Type material: MCZ 187444, lectotype (Johnson 1959: 477); NHMUK 1968516, 3 paralectotypes; MNHN-IM-2000-25862, 6 paralectotypes. — Current status: synonym of *Corbicula* (*Corbicula*) *manilensis* (Philippi, 1844) [*Cyrena*] (Huber 2015: chapter 5 on CD).

*unioniformis*, *Cyrena* – Deshayes, 1857-DescrCoqFoss: 38, pl. 38, figs 5-6; 1858-DescrCoqFoss: 503. — Type locality: Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). *Corbicula unioniformis* (Deshayes, 1857) is a valid taxon with several synonyms. One of them, *Cyrena orbicularis* Melleville, 1843, *non Cyclas orbicularis* F. A. Roemer, 1836, was replaced by *Cyclas suborbicularis* d'Orbigny (1850b: 304, no. 132), who considered both species to belong in *Cyclas*. However, d'Orbigny's replacement was *non Cyclas suborbicularis* Busch, in Philippi, 1849. *Cyrena lemoinei* Bayan, 1873a (Bayan 1873a: 124), is a later replacement, but Deshayes' synonym is senior to it (T. A. Neubauer, pers. comm., March 15, 2022). — Current status: *Corbicula unioniformis* (Deshayes, 1857)

*veneriformis*, *Cyrena* – Deshayes, 1857-DescrCoqFoss: 38, pl. 38, figs 1-2; 1858-DescrCoqFoss: 499. — Type locality: Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). 1858: 552. — Current status: *Corbicula* (*Corbicula*) *veneriformis* (Deshayes, 1857) (Glibert & Van de Poel 1966b: 12; Le Renard & Pacaud 1995: 72).

*ventricosa*, *Cyrena* – Deshayes, 1854/1855a: 16-17; 1855d: 246. — Type localities: Philippine Islands & Australia; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1876a: pl. 9, fig. 35. — Type material: NHMUK 1956.12.3.24, holotype; 1956.12.3.25, paratype, both from Australia; MCZ 176897, paratype (Johnson 1959: 478). — Current status: synonym of *Geloina oviformis* (Deshayes, 1854) (first reviser: Huber 2015: chapter 5 on CD).

Many of the *Cyrena* species by G. B. Sowerby II, 1877a, listed among those below, were omitted by Petit (2009) in his catalogue of the species authored by the G. B. Sowerby family. Petit may have interpreted them as being Deshayes in Sowerby II.

*angustidens*, *Cyrena* – Deshayes, 1857-DescrCoqFoss: 37, pl. 37, figs 1-2; 1858-DescrCoqFoss: 515. Made available by Melleville (1843: 77-78 [35, 82], pl. 2, figs 1-2). — Type locality: Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). — Current status: *Corbicula* (*Loxoptychodon*) *angustidens* (Melleville, 1843) [*Cyrena*] (Glibert & Van de Poel 1966b: 13).

*cardiformis*, *Cyrena* – G. B. Sowerby II, 1876: pl. 8, fig. 27, *ex* Deshayes ms. — Type locality: Paita, Peru. — Type age: Recent. — Current status: synonym of *Polymesoda amomala* (Deshayes, 1855) [*Cyrena*] (Coan & Valentich-Scott 2012: 466).

*charpentieri*, *Cyrena* – Deshayes, 1857-DescrCoqFoss: 36, pl. 36, figs 7-8 [in text as pl. 33]; 1858-DescrCoqFoss: 493-494; 1865-DescrCoqFoss: 665 [error in pl. citation noted]. — Type localities: Hermonville, Pouillon & Damery. — Type age: Eocene (Lutetian). Deshayes listed himself as author of this species, but it was actually made available in Potiez & Michaud (1844: 191<sup>bis</sup>-192<sup>bis</sup>, 73, pl. 61, figs 18-19, *ex* Arnould ms). — Current status: synonym of *Polymesoda* (*Geloina*) *compressa* (Deshayes, 1835) [*Cyrena*] (Glibert & Van de Poel 1966b: 4. Le Renard & Pacaud 1995: 72).

*erosa*, *Cyrena* – G. B. Sowerby II, 1877a: pl. 11, fig. 46, *ex* Deshayes ms, *non* Prime, 1861. — Type locality: none given. — Type age: Recent. Counts (1991: 17, as “1878”). — Current status: *taxon inquirendum*.

*fragilis*, *Cyrena* – G. B. Sowerby II, 1877: pl. 17, fig. 98, *ex* Deshayes ms. — Type locality: none given. — Type age: Recent. — Current status: synonym of the eastern Pacific *Polymesoda* (*Egetaria*) *mexicana* (Broderip & G. B. Sowerby I 1829) [*Cyrena*] (Coan & Valentich-Scott 2012: 468-470; Huber 2015: chapter 5 on CD).

*intermedia*, *Cyrena* – Deshayes, 1857-DescrCoqFoss: 38, pl. 38, figs 19-20; 1858-DescrCoqFoss: 514; 1858: 552. Made available by Melleville (1843: 82 [35-36, 82], pl. 2, figs 5-6). — Type locality: Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). *Corbicula intermedia* (Melleville, 1843) (Le Renard & Pacaud 1995: 73).

*moussoniana*, *Cyrena* – G. B. Sowerby II, 1877a: pl. 17, fig. 97, *ex* Deshayes ms. — Type locality: none given. — Type age: Recent. — Current status: *taxon inquirendum*.

*nitens*, *Cyrena* – G. B. Sowerby II, 1877a: pl. 16, fig. 89, *ex* Deshayes ms, *non* Philippi, 1844, a valid Chinese *Corbicula*. — Type locality: none given. — Type age: Recent. — Current status: *taxon inquirendum*.

*solida*, *Cyrena* – G. B. Sowerby II, 1877a: pl. 18, fig. 104, *ex* Deshayes ms, *non* Dunker, 1843, *nec* Philippi, 1846. — Type locality: none given. — Type age: Recent. Listed by Petit (2009: 168). — Current status: synonym of *Geloina oviformis* (Deshayes, 1854) [*Cyrena*] (Huber 2015, 321, chapter 5 on CD).

*variegata*, *Cyrena* – G. B. Sowerby II, 1877a: pl. 16, fig. 87, *ex* Deshayes ms. — Type locality: La Plata. — Type age: Recent. This species originated as *Cyclas* (*Cyrena*) *variegata* d'Orbigny, 1835. — Current status: synonym of *Cyanocyclas limosa* (Maton, 1811) [*Tellina*] (Huber 2015: 312, chapter 5 on CD).

## Family GLAUCONOMIDAE J. E. Gray, 1853

*psammotella*, *Glaucanome* – Deshayes, 1853a: 205; 1854b: 1. — Type locality: none given [Huber, 2010, clarified the type locality to be Northern Queensland, Australia]; Cuming coll. — Type age: Recent. — Type material: NHMUK 20090234, 3 syntypes. — Current status: the Australian *Glaucanome psammotella* Deshayes, 1853 (Huber 2010a: 752).

*rostralis*, *Glaucanome* – Deshayes, 1853a: 205; 1854b: 1, pl. 18, fig. 12. — Type locality: Borneo; Cuming coll. — Type age: Recent. — Type material: NHMUK 20090233, figured syntype. — Current status: synonym of *Glaucanome straminea* Reeve, 1844 (Huber 2010a: 752).

## Family CYRENOIDIDAE

H. Adams &amp; A. Adams, 1857 [1853]

*Cyrenella* – Deshayes, 1836b: pl. 70, with accompanying text. Established in synonymy of *Cyrenoida*, but available because used as valid by J. E. Gray (1853) before 1960 (ICZN Code Art. 11.6). — Current status: synonym of *Cyrenoida* Joannis, 1835, with the same type species (M), *Cyrenoida dupontia* Joannis, 1835. *Cyrenella* is the type genus of Cyrenellidae J. E. Gray, 1853. However, the family name now in use is Cyrenoididae H. Adams & A. Adams, 1857, with the priority of 1853, to preserve prevailing usage (ICZN Code Art. 40.2).

*senegalensis*, *Cyrenella* – Deshayes, 1855c: 341. — Type locality: Senegal; Cuming coll. — Type age: Recent. — Current status: synonym of *Cyrenoida dupontia* Joannis, 1835 (Daget 1998: 184; Huber 2010a: 753).

## Family DREISSENIDAE J. E. Gray, 1840

*aperta*, *Mytilus* – Deshayes, 1838a: 61, [ii], pl. 4, figs 6-11. — Type locality: Crimean Peninsula. — Type age: Pliocene. *Dreissenomya aperta* (Deshayes, 1838) (Glibert & Van de Poel, 1967: 73). *Dreissenomya (Sinucongeria) aperta* (Deshayes, 1838) (Morton 1970: 564-565, fig. 2; Nuttall 1990: 711, 713, 728-730; Nevesskaja *et al.* 1997: 219-220, pl. 96, figs 17-18). — Current status: *Sinucongeria aperta* (Deshayes, 1838) (Harzhauser & Mandic 2010: 17).

*basteroti*, *Mytilus* – Deshayes, 1836-HistNatAnim2: 54; 1843-HistNatAnim3: 24; 1839-TraitElem: 24, pl. 37, figs 15-16; 1850-TraitElem: 650-652, as *Congerina*. — Type localities: Bordeaux, Saint-Paul-lès-Dax & Touraine. — Type age: Miocene (Aquitanian). Proposed for *Mytilus brardii* Brongniart, 1832, sensu Basterot, 1825, non Brongniart, 1823. *Congerina basteroti* (Deshayes, 1836) (Glibert & Van de Poel 1967: 72). — Current status: *Mytilopsis basteroti* (Deshayes, 1836) (Nuttall 1990: 724-725, pl. 5, figs 8-10; Harzhauser & Mandic 2001: 750, pl. 9, fig. 10).

*inaequivalvis*, *Mytilus* – Deshayes, 1838a: 62-63, [iii], pl. 5, figs 1-3. — Type locality: Crimean Peninsula. — Type age: Pliocene. *Dreissena inaequivalvis* (Deshayes, 1838) (Glibert & Van de Poel 1967: 74). — Current status: *Dreissena (Pontodreissena) inaequivalvis* (Deshayes, 1838) (Nevesskaja *et al.* 1997: 216, pl. 95, figs 20-22).

*rostriformis*, *Mytilus* – Deshayes, 1838a: 61-62, [ii], pl. 4, figs 14-16. Crimean Peninsula. — Type age: Pliocene. — Type species (OD) of *Pontodreissena* Logvinenko & Starobogatov, 1966. *Dreissena rostriformis* (Deshayes, 1838) (Glibert & Van de Poel 1967: 74). — Current status: *Dreissena (Pontodreissena) rostriformis* (Deshayes, 1838) (Nuttall 1990: 715-716, 718, pl. 1, figs 7-10, pl. 2, figs 6-8;

Nevesskaja *et al.* 1997: 213, pl. 95, figs 13-17; Taviani *et al.* 2007: 353-254, fig. 2: 1, 6-7; Nevesskaja *et al.* 2013: 424, fig. 154-12). Rosenberg & Ludyanskiy (1994: 1479, 1480, fig. 2a) cited the lectotype designated and illustrated by Archambault-Guezou (1976: pl. 6, figs 2a-2c), presumably in the Université Claude Bernard Lyon 1. Recently, Wesselingh *et al.* (2019: 59-60) concluded that *rostriformis* Deshayes should be restricted to the Pliocene fossil specimens, with *D. bugensis* Andrusov, 1890, to be used for the Recent Caspian Sea species, the highly invasive “quagga mussel.”

*subcarinatus*, *Mytilus* – Deshayes, 1838a: 62, [ii], pl. 4, figs 12-13. — Type locality: Crimean Peninsula. — Type age: Pliocene. *Mytilopsis subcarinatus* (Deshayes, 1838) (Nuttall, 1990: 724). — Current status: *Congerina (Mytilopsis) subcarinata* (Deshayes, 1838) (Nevesskaja *et al.* 1997: 203-204, pl. 91, figs 5-9).

## Family GAIMARDIIDAE Hedley, 1916

*dilatata*, *Cypricardia (Modiolarca)* – Deshayes, 1858-DescrCoqFoss: 542, 57, pl. 57, figs 10-12. — Type locality: Le Fayel. — Type age: Eocene (Bartonian) – Current status: *Gaimardia dilatata* (Deshayes, 1858) (Le Renard & Pacaud 1995: 73).

## Family GALEOMMATIDAE J. E. Gray, 1840

*Hindsia* – Deshayes, 1858-DescrCoqFoss: 693-697, not preoccupied by *Hindsia* H. Adams & A. Adams, 1853, a *nomen nudum*; however, non A. Adams, 1855 [Gastropoda]. — Type species (SD Stoliczka, 1871): *Modiola arcuata* Lamarck, 1807. Renamed *Hindsia* Stoliczka, 1871, and later unnecessarily again as *Vasconia* Folin, 1873. — Current status: *Hindsia* is a valid genus.

*Passya* – Deshayes, 1856-DescrCoqFoss: 10, as *Passya chevalieri*, pl. 10, figs 7-11; 1858-DescrCoqFoss: 690, as *Passya “eugenii”*. — Type species (M): *Passya chevalieri* Deshayes, 1856. — Current status: valid genus.

*Scintilla* – Deshayes, 1856b: 171-181. — Type species (SD Stoliczka, 1871): *Scintilla philippiensis* Deshayes, 1856. Type genus of Scintillidae Iredale & McMichael, 1962, now regarded as a synonym of Galeommatidae Gray, 1840. — Current status: valid genus.

*adamsi*, *Scintilla* – Deshayes, 1856b: 179. — Type locality: Bohol Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196787, 3 syntypes. — Current status: synonym of *Lepirodes ambiguus* (Deshayes, 1856) [*Galeomma*] (first reviser: E. A. Smith 1884: 106) (Lützen & Nielsen 2005: 297; Huber 2015: chapter 5 on CD).

*ambigua*, *Galeomma* – Deshayes, 1855f: 168. — Type localities: Ticao, Philippine Islands & Port Essington, Northern Territory, Australia; Jukes; Cuming Coll. — Type age: Recent. — Type material: NHMUK 196748, 4 syntypes. — Current status: *Galeomma ambiguus* (Deshayes, 1855) (Lützen & Nielsen 2005: 297-300, figs 6B, 41B-C, 45-47; Lützen, in Poppe 2011: 174, pl. 1082, fig. 1; Huber 2015: 469; Fukuda & Matsukuma, in Okutani 2017: 1225, pl. 522, fig. 7, as *Scintilla*).

*ambigua*, *Scintilla* – Deshayes, 1858-DescrCoqFoss: 700, 49, as *Scintilla “anomala”*, pl. 49, figs 13-15; 1865-DescrCoqFoss: 666 [correction in species name made]. — Type locality: Le Fayel. — Type age: Eocene (Bartonian). — Current status: *Spaniorinus vandepoeli* Le Renard, 1994 (Le Renard 1994: 39), replacement name for *Spaniorinus ambiguus* (Deshayes, 1858), non *S. ambiguus* (Nyst & Westendorp, 1839) [*Corbula*] (Le Renard & Pacaud 1995: 77; Pacaud 2008: 87).



*angusta*, *Galeomma* – Deshayes, 1856a: 170. — Type locality: Bohol Island, Philippine Islands; Cuming Coll. — Type age: Recent. — Type material: NHMUK 196754, holotype. — Current status: *Galeomma angusta* Deshayes, 1856 (Huber 2015: 467).

*angusta*, *Sportella* – Deshayes, 1858-DescrCoqFoss: 598-599, 49, pl. 49, figs 1-3. — Type localities: Valmondois & Le Guépelle. — Type age: Eocene (Bartonian). — Current status: *Spaniorinus angustus* (Deshayes, 1858) (Glibert & Van de Poel 1967: 56; Le Renard & Pacaud 1995: 77, both as “1857”).

*anomala*, *Scintilla* – Deshayes, 1856b: 181. — Type locality: Samar Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196793, 5 syntypes. — Current status: *Varotoga anomala* (Deshayes, 1856) (Lützen & Nielsen 2005: 272-273, figs 2, 4C, 12-14; Lützen, in Poppe 2011: 174, pl. 1082, fig. 3; Huber, 2015: 481; Fukuda & Matsukuma, in Okutani 2017: 1225, pl. 522, fig. 6, as *Scintilla*).

*arcuata*, *Sphenia* – Deshayes, 1857-DescrCoqFoss: 192, 11 bis, pl. 11 bis, figs 1-3. — Type locality: Jeurre. — Type age: Oligocene (Rupelian). — Current status: *Physoida arcuata* (Deshayes, 1857) (Lozouet & Maestrati 2012a: 266-270, fig. 170: 25-28).

*argentea*, *Galeomma* – Deshayes, 1856a: 169-170. — Type locality: Bohol Island, Philippine Islands; Cuming Coll. — Type age: Recent. — Type material: NHMUK 196753, 3 syntypes. — Current status: *Galeomma argentea* Deshayes, 1856 (Ramakrishna & Dey 2010: 137; Huber 2015: 109, 467).

*aurantiaca*, *Scintilla* – Deshayes, 1856b: 179. — Type locality: northern Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 196786, 3 syntypes. — Current status: synonym of *Lepiroides ambiguus* (Deshayes, 1856) [*Galeomma*] (E. A. Smith 1884: 106; Lützen & Nielsen 2005: 297; Huber 2015: chapter 5 on CD).

*breviuscula*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 50, pl. 50, figs 21-24; 1860-DescrCoqFoss: 727. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Current status: *Divarikellia breviscula* (Deshayes, 1858) (Glibert & Van de Poel 1967: 68; Le Renard & Pacaud 1995: 78; Pacaud 2008: 88).

*caillati*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 704, 51, pl. 51, figs 13-16. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). *Divarikellia caillati* (Deshayes, 1858) (Glibert & Van de Poel 1967: 68; Le Renard & Pacaud 1995: 78; Pacaud 2008: 88).

*candida*, *Scintilla* – Deshayes, 1856b: 177. — Type localities: Burias Island & Bohol Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196774, 3 syntypes; NHMUK 1855.12.21.7, probable syntype. — Current status: *Scintilla candida* Deshayes, 1856 (Ramakrishna & Dey 2010: 137-138; Huber 2015: 115 – syntype, 477).

*chevalieri*, *Passya* – Deshayes, 1856-DescrCoqFoss: 10, pl. 10, figs 7-11; 1858-DescrCoqFoss: 688-690, as *Passya* “*eugenii*”. — Type locality: Le Fayel. — Type age: Eocene (Bartonian). This species was dedicated to Eugène Chevalier, using his last name in 1856 and mistakenly his first name in 1858. — Current status: *Passya chevalieri* Deshayes, 1856 (Le Renard & Pacaud 1995: 77, as *P. “eugenii”*; Neveškaja et al. 2013: 323, fig. 115-13, as *P. “eugenii”*).

*chloroleuca*, *Galeomma* – Deshayes, 1856a: 170. — Type locality: Samar Island, Philippine Islands; Cuming Coll. — Type age: Recent. — Type material: NHMUK 196757, 3 syntypes. — Current status: synonym of *Lepiroides layardi* (Deshayes, 1856) [*Galeomma*] (first reviser: Lützen & Nielsen 2005: 293; Huber 2015: chapter 5 on CD).

*crocea*, *Scintilla* – Deshayes, 1856b: 175. — Type locality: Negros Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196768, 2 syntypes. — Current status: *Scintilla crocea* Deshayes, 1856 (Huber 2015: 115 – syntype, 475).

*crystallina*, *Scintilla* – Deshayes, 1856b: 177. — Type locality: Cagayan, Mindanao Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196777, 2 syntypes. — Current status: *Scintilla crystallina* Deshayes, 1856 (Huber 2015: 477).

*cumingii*, *Scintilla* – Deshayes, 1856b: 173-174. — Type locality: Panama; Cuming coll. — Type age: Recent. — Type material: NHMUK 1967575, holotype. — Current status: synonym of *Solecardia eburnea* Conrad, 1849 (Coan & Valentich-Scott 2012: 488; Huber 2015: chapter 5 on CD).

*cuvieri*, *Scintilla* – Deshayes, 1856b: 174. — Type locality: Balcayon, Bohol Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196761, lectotype & 2 paralectotypes; NHMUK 1855.12.21.7, probable syntype. — Current status: *Scintilla cuvieri* Deshayes, 1856 (Morton & Scott 1989: 148-149, pl. 10, text-fig. 19C; Lützen & Nielsen 2005: 270-271, figs 3D, 9-10; Huber 2015: 115-116, syntype, 477, 478).

*denticulata*, *Galeomma* – Deshayes, 1863: 18-19, pl. 3, figs 1-3. — Type locality: La Réunion. — Type age: Recent. — Current status: *Galeomma denticulata* Deshayes, 1863 (Huber 2015: 109, 468; Boutet et al. 2020: 668).

*dubia*, *Erycina* – Deshayes, 1856c: 183. — Type locality: Isla Murete, Guayaquil, Ecuador; Cuming coll. — Type age: Recent. — Type material: NHMUK 1967561, holotype. — Current status: *Scintilla dubia* (Deshayes, 1856) (Lützen & Nielsen 2005: 273-275, figs 4F, 15-16; Coan & Valentich-Scott 2012: 486; Huber 2015: 121 – holotype, 480; Fukuda & Matsukuma, in Okutani 2017: 1224, pl. 522, fig. 2, as “cf.” in Japan).

*eugenii*, *Passya* – see: *chevalieri*, *Passya*.

*faba*, *Scintilla* – Deshayes, 1856b: 180. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 196792, 4 syntypes. — Current status: synonym of the Indian Ocean *Lepiroides ambiguus* (Deshayes, 1856) [*Galeomma*] (first reviser: E. A. Smith 1884: 106; Oliver 1992: 110, pl. 18, as *Amphilepida*; Lützen & Nielsen 2005: 297; Ramakrishna & Dey 2010: 138-139; Huber 2015: 469).

*flavida*, *Scintilla* – Deshayes, 1856b: 175-176. — Type locality: Basay, Samar Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196769, 3 syntypes. — Current status: *Scintilla flavida* Deshayes, 1856 (Huber 2015: chapter 5 on CD).

*forbesii*, *Scintilla* – Deshayes, 1856b: 179. — Type locality: Borneo; Cuming coll. — Type age: Recent. — Type material: NHMUK 196785, 4 syntypes; NHMUK 1855.12.21.9, probable syntype. — Current status: synonym of *Lepiroides ambiguus* (Deshayes, 1856) [*Galeomma*] (first reviser: E. A. Smith 1884: 106) (Lützen & Nielsen 2005: 297; Huber 2015: chapter 5 on CD).

*formosa*, *Galeomma* – Deshayes, 1856a: 170. — Type locality: northern Australia; Jukes; Cuming coll. — Type age: Recent. — Type material: NHMUK 196756, 3 syntypes. — Type species (M) of *Lepiroides* P. Fischer, 1887. Also type species (OD) *Paralepida* Dall, 1899, which is thus an objective synonym. — Current status: *Lepiroides formosus* (Deshayes, 1856) (Oliver 1992: 109-110, pl. 18; Huber 2015: 469).

*halitus*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 51, pl. 51, figs 7-9; 1860-DescrCoqFoss: 721. — Type locality: Thiverval-Grignon. —

Type age: Eocene (Lutetian). — Type material: MNHN.F.A86257 (Caillat coll.), holotype. — Current status: *Spaniorinus halitus* (Deshayes, 1858) (Glibert & Van de Poel 1967: 56; Le Renard & Pacaud 1995: 77; Pacaud 2008: 87).

*hanleyi*, *Scintilla* – Deshayes, 1856b: 180. — Type locality: Zebu Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196789, 2 syntypes. — Current status: *Scintilla hanleyi* Deshayes, 1856 (Ramakrishna & Dey 2010: 139; Huber, 2015: 476).

*hyalina*, *Scintilla* – Deshayes, 1856b: 180. — Type locality: Torres Strait, Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 196791, holotype. — Current status: *Scintilla hyalina* Deshayes, 1856 (Huber 2015: 116 – holotype, 478).

*hydatina*, *Scintilla* – Deshayes, 1856b: 177. — Type locality: Bacayon, Bohol Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196776, 3 syntypes; NHMUK 1855.12.21.3, probable syntype. — Current status: *Scintilla hydatina* Deshayes, 1856 (Huber 2015: 474).

*hydrophana*, *Scintilla* – Deshayes, 1856b: 178. — Type locality: Zam-balis, Luzon Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196780, holotype. — Current status: *Scintilla hydrophana* Deshayes, 1856 (Huber 2015: 474-475).

*inaequilobata*, *Hindsia* – Deshayes, 1858-DescrCoqFoss: 695-696, 53, as *Pythina inaequilobata*, pl. 53, figs 36-38. Aizy-Jouy. — Type age: Eocene (Ypresian). — Current status: *Hindsia inaequilobata* (Deshayes, 1858) (Glibert & Van de Poel 1967: 53; Le Renard & Pacaud 1995: 77; Pacaud 2008: 89).

*incerta*, *Scintilla* – Deshayes, 1863: 18, pl. 2, figs 16-18. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-38015, holotype. — Type species (M) of *Barclayia* H. Adams, 1875. Huber (2015) speculated that *Erycina incerta* Récluz, 1851, might be a *Scintilla*, thus requiring a replacement name for Deshayes' species, but the Récluz species is more likely a *Galeomma* (P. Valentich-Scott, pers. comm., March 4, 2022). — Current status: *Barclayia incerta* (Deshayes, 1863) (Huber 2015: 112, 471).

*indecora*, *Galeomma* – Deshayes, 1856a: 169. — Type locality: Masbate Island, Philippine Islands; Cuming Coll. — Type age: Recent. — Type material: NHMUK 196752, holotype. — Current status: synonym of *Lepirodes layardi* (Deshayes, 1856) [*Galeomma*] (first reviser: Lützen & Nielsen 2005: 293; Huber 2015: chapter 5 on CD).

*inflata*, *Galeomma* – Deshayes, 1856a: 170-171. — Type locality: Masbate Island, Philippine Islands; Cuming Coll. — Type age: Recent. — Type material: NHMUK 196758, holotype. — Current status: *Lepirodes inflatus* (Deshayes, 1856) (Huber 2015: 470).

*jukesii*, *Scintilla* – Deshayes, 1856b: 174. — Type locality: Port Essington, Northern Territory, Australia; Jukes; Cuming coll. — Type age: Recent. — Type material: NHMUK 196760, 2 syntypes. — Current status: *Scintilla jukesii* Deshayes, 1856 (Huber 2015: 116 – syntype, 478).

*lata*, *Hindsia* – Deshayes, 1858-DescrCoqFoss: 697, 53; as “*Pythina*” *lata*, pl. 53, figs 23-35; 1865-DescrCoqFoss: 666 [correction in pl. expl. genus]. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Hindsia lata* (Deshayes, 1858) (Le Renard & Pacaud 1995: 77; Pacaud 2008: 89).

*layardi*, *Galeomma* – Deshayes, 1856a: 169. — Type locality: Ceylon; Layard; Cuming Coll. — Type age: Recent. — Type material: NHMUK 196751, 2 syntypes. *Galeomma layardi* Deshayes, 1856 (Lützen & Nielsen 2005: 293-295, figs 6C, 40-44. — Current status: *Lepirodes layardi* (Deshayes, 1856) (Huber 2015: 470; Fukuda & Matsukuma, in Okutani 2017: 1223, pl. 520, fig. 15).

*lobata*, *Hindsia* – Deshayes, 1858-DescrCoqFoss: 696-697; 53, as “*Pythina*” *lobata*, pl. 53, figs 26-28; 1865-DescrCoqFoss: 666 [correction in pl. expl. genus]. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Hindsia lobata* (Deshayes, 1858) (Glibert & Van de Poel 1967: 53; Le Renard & Pacaud 1995: 77; Pacaud 2008: 89).

*macrochisma*, *Galeomma* – Deshayes, 1856a: 171. — Type locality: Masbate Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196759, 3 syntypes. — Current status: *Galeomma macrochisma* Deshayes, 1856 (Oliver 1992: 109, pl. 18; Huber 2015: 109 – syntype, 467-468).

*modiolina*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 52, pl. 52, figs 23-26; 1860-DescrCoqFoss: 727. — Type locality: Parnes. — Type age: Eocene (Lutetian). *Divarikellia breviscula* [Deshayes, 1858] *modiolina* (Deshayes, 1858) (Le Renard & Pacaud 1995: 78). — Current status: *Divarikellia modiolina* (Deshayes, 1858) (Pacaud 2008: 88).

*opalina*, *Scintilla* – Deshayes, 1856b: 177. — Type locality: Luzon Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196778, broken holotype. *Sagamiscintilla opalina* (Deshayes, 1856). (Lützen, in Poppe, 2011: 174, pl. 1082, fig. 2, erroneously attributed to “Kuroda & Habe, 1971”, subsequently corrected to *Scintilla opalina* Deshayes, 1856 (Poppe, 2018: 103). — Current status: *nomen dubium* (Huber 2015: 475).

*ovulina*, *Scintilla* – Deshayes, 1856b: 174-175. — Type locality: Basay, Samar Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196764.1, lectotype (Lützen & Nielsen 2005); /2-8, 7 paralectotypes. — Current status: *Scintilla ovulina* (Deshayes, 1856) (Lützen & Nielsen 2005: 271-272, figs 4A, B, 11; Huber 2015: 122-123, 484).

*oweni*, *Scintilla* – Deshayes, 1856b: 179-180. — Type locality: Zebu Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196788, 2 syntypes. — Current status: *Scintilla oweni* Deshayes, 1856 (Huber 2015: 117, 477; Boutet *et al.*, 2020: 669).

*pallidula*, *Scintilla* – Deshayes, 1856b: 178-179. — Type locality: Zebu Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196784, holotype. — Current status: synonym of *Lepirodes ambiguus* (Deshayes, 1856) [*Galeomma*] (first reviser: E. A. Smith 1884: 106) (Lützen & Nielsen 2005: 297; Huber 2015: chapter 5 on CD).

*parisiensis*, *Scintilla* – Deshayes, 1858-DescrCoqFoss: 699, 49, as *Scinetilia*, pl. 49, figs 10-12. — Type locality: Auvers-sur-Oise. — Type age: Eocene (Bartonian). — Current status: *Spaniorinus parisiensis* (Deshayes, 1858) (Le Renard & Pacaud 1995: 77).

*paucistriata*, *Galeomma* – Deshayes, 1856a: 170. — Type locality: Samar Island, Philippine Islands; Cuming Coll. — Type age: Recent. — Type material: NHMUK 196755, 6 syntypes. *Galeomma paucistriata* Deshayes, 1855 (Ramakrishna & Dey 2010: 137). — Current status: synonym of *Lepirodes layardi* (Deshayes, 1856) [*Galeomma*] (Lützen & Nielsen 2005: 293; Huber 2015: chapter 5 on CD).

*pellicula*, *Scintilla* – Deshayes, 1856b: 177. — Type locality: Bohol Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196775, damaged holotype. — Current status: synonym of *Scintilla striatina* Deshayes, 1856 (Huber 2015, 115, 476).

*philippinensis*, *Scintilla* – Deshayes, 1856b: 176. — Type locality: Zebu Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196745.1, lectotype & /2-6,



4 paralectotypes. The type species (SD Stoliczka, 1871) of *Scintilla* Deshayes, 1856. — Current status: *Scintilla philippinensis* Deshayes, 1856 (Lützen & Nielsen 2005: 264-266, fig. 3A-C, 7, 8; Lützen, in Poppe 2011: 174, pl. 1082, figs 5-6; Huber 2015: 114, 473; Nevesskaja *et al.* 2013: 323, fig. 115-11).

*polita*, *Galeomma* – Deshayes, 1856a: 169. — Type locality: Samar Island, Philippine Islands; Cuming Coll. — Type age: Recent. — Type material: NHMUK 196750, lectotype & paralectotype. — Type species (OD) of *Amphilepida* Dall, 1899, which is now regarded as a synonym of *Lepiroides* P. Fischer, 1887. *Galeomma polita* (Deshayes, 1856) (Morton & Scott 1989: 149, pl. 1r, text-figs 22B, 23; Sabelli *et al.* 1990: 303). — Current status: *Lepiroides politus* (Deshayes, 1856) (Huber 2015: 469, 470).

*porulosa*, *Scintilla* – Deshayes, 1856b: 180. — Type locality: Zebu Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196790, holotype. — Current status: *Lepiroides porulosus* (Deshayes, 1856) (Huber 2015: 110 – holotype).

*pubida*, *Scintilla* – Deshayes, 1856b: 178. — Type locality: Zebu Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196781, 3 syntypes. — Current status: synonym of *Scintilla rosea* Deshayes, 1856 (Huber 2015: 472).

*pustulosa*, *Hindsia* – Deshayes, 1858-DescrCoqFoss: 696; 53, as “*Pythina*” *pustulosa*, pl. 53, figs 29-31; 1865-DescrCoqFoss: 666 [correction in pl. expl. genus]. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Hindsia pustulosa* (Deshayes, 1858) (Glibert & Van de Poel 1967: 53; Le Renard & Pacaud 1995: 77; Pacaud 2008: 89).

*radiata*, *Corbula* – Deshayes, 1824-DescrCoqFoss: 58-59, 5 [as *C. “radiolata”*], pl. 9, figs 11-12; 1835-HistNatAnim2: 142; 1839-HistNatAnim3: 549. 1837-DescrCoqFoss: 810 [error in pl. expl. corrected]. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). 1857-DescrCoqFoss: 237, as *Neaena radiata*. — Type species (M) of *Lasaeoneaera* Cossmann, 1913. — Current status: *Lasaeoneaera radiata* (Deshayes, 1824) (Glibert & Van de Poel 1970: 139; Le Renard & Pacaud 1995: 68; Pacaud 2008: 88; Nevesskaja *et al.* 2013: 322, fig. 115-2).

*recluziana*, *Scintilla* – Deshayes, 1856b: 178. — Type locality: northern Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 196783, holotype. — Current status: *Scintilla recluziana* Deshayes, 1856 (Huber 2015: 472).

*reevei*, *Scintilla* – Deshayes, 1856b: 176. — Type locality: Bais, Negros Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196770, holotype. — Current status: synonym of *Scintilla philippinensis* Deshayes, 1856 (Lützen & Nielsen 2005: 264-266; Huber 2015: chapter 5 on CD).

*rosea*, *Scintilla* – Deshayes, 1856b: 178. — Type locality: Sambalis, Luzon Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196782 (2 syntypes) & 1855.12.21.6 (1 syntype). Preoccupies *Scintilla rosea* G. B. Sowerby II, 1865, which was renamed *Scintilla purpurascens* G. B. Sowerby II, 1874. — Current status: *Scintilla rosea* Deshayes, 1856 (Huber 2015: 112, 472; Fukuda & Matsukuma, in Okutani 2017: 1225, pl. 522, fig. 6).

*scintillans*, *Scintilla* – Deshayes, 1856b: 175. — Type locality: Bohol Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196767, holotype. — Current status: synonym of *Scintilla solidula* Deshayes, 1856 (Huber 2015: 478).

*solidula*, *Scintilla* – Deshayes, 1856b: 174. — Type locality: Tamar, Bohol Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196763, 2 syntypes. — Current status: *Scintilla solidula* Deshayes, 1856 (Huber 2015: 118 – syntype, 477-478).

*splendida*, *Galeomma* – Deshayes, 1856a: 169. — Type locality: Burias Island, Philippine Islands; Cuming Coll. — Type age: Recent. — Type material: NHMUK 196749, holotype. — Current status: *Pseudogaleomma splendida* (Deshayes, 1856) (Huber 2015: 111 – holotype, 471).

*strangei*, *Scintilla* – Deshayes, 1856b: 181. — Type locality: Moreton Bay, Queensland, Australia; Strange; Cuming coll. — Type age: Recent. — Type material: NHMUK 196746, 2 syntypes (Hedley 1913: 268, pl. 16, figs 16-19). — Type species (OD) of *Lactemiles* Iredale, 1931, now regarded as a synonym of *Scintilla* Deshayes, 1856. — Current status: *Scintilla strangei* Deshayes, 1856 (Huber 2015: 119).

*striatina*, *Scintilla* – Deshayes, 1856b: 176. — Type locality: Bohol Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196772, holotype. — Current status: *Scintilla striatina* Deshayes, 1856 (Huber 2015: 476; Boutet *et al.* 2020: 669).

*succinea*, *Scintilla* – Deshayes, 1856b: 176. — Type locality: Balclayon, Bohol Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196773, 3 syntypes; NHMUK 1855.12.21.8, probable syntype. — Current status: synonym of *Scintilla crocea* Deshayes, 1856 (Huber 2015: 475).

*tenuis*, *Scintilla* – Deshayes, 1856b: 176. — Type locality: Basay, Samar Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196771, 3 syntypes; NHMUK 1855.12.21.2, probable syntype. — Current status: synonym of *Scintilla candida* Deshayes, 1856 (Huber 2015: 477).

*timoriensis*, *Scintilla* – Deshayes, 1856b: 174. — Type locality: Timor; Cuming coll. — Type age: Recent. — Type material: NHMUK 196762, 3 syntypes. — Current status: *Scintilla timoriensis* Deshayes, 1856 (Ramakrishna & Dey 2010: 139; Fukuda & Matsukuma, in Okutani 2017: 1224, pl. 521, fig. 6).

*turgescens*, *Scintilla* – Deshayes, 1856b: 175. — Type locality: Moreton Bay, Queensland, Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 196765, holotype. — Current status: *Scintillula turgescens* (Deshayes, 1856) (Huber 2015: 123, holotype, 483).

*turgida*, *Scintilla* – Deshayes, 1856b: 175. — Type locality: Basay, Samar, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1855.12.21.5, lectotype (Huber, 2015: 472). NHMUK 196766, 3 paralectotypes, but of “var. B” and are a different species. — Current status: *Scintilla turgida* Deshayes, 1856 (Huber 2015: 112-113, 472, 484).

*vitrea*, *Scintilla* – Deshayes, 1856b: 177-178. — Type locality: Burias Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196779, holotype. — Current status: *Scintilla vitrea* Deshayes, 1856 (Huber 2015: 474, 479).

*aurantia*, *Galeomma* – “Deshayes, 1835” – Oliver, 1992: 110, error pro *Psammobia aurantia* Lamarck, 1818.

*lactea*, *Scintilla* “Deshayes” – Mörch, 1876: 373. Error for *Scintilla lactea* G. B. Sowerby II, 1865 (Dall 1899: 884; Lee *et al.* 2023: 5).

*minuta*, *Spaniorinus* – Listed by Cossmann & Peyrot, 1912b: 597 as a Deshayes species, but its author was Cossmann, 1887, as *Scintilla minuta*.

*squama*, *Scintilla* – G. B. Sowerby II, 1862: 180, pl. 235, fig. 65, *ex* Deshayes ms. No locality indicated. Listed by Petit (2009: 170). — Current status: synonym of *Scintilla philippinensis* Deshayes, 1856 (Huber 2015: 114, chapter 5 on CD).

## Family LASAEIDAE J. E. Gray, 1842 [s.l.]

Erycinidae – Deshayes, 1850-TraitElem: 718-726. Type genus *Erycina* Lamarck, 1805. Synonym of Lasaeidae J. E. Gray, 1842.

*Chironia* – Deshayes, 1839d: 357. — Type species (M): *Chironia laperousii* Deshayes, 1839. — Current status: synonym of *Kellia* Turton, 1822 (Coan & Valentich-Scott 2012: 509).

*affinis*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 52, pl. 52, figs 4-6; 1860-DescrCoqFoss: 716-717. — Type locality: Aizy-Jouy. — Type age: Eocene (Ypresian). — Current status: *Erycina affinis* Deshayes, 1858 (Glibert & Van de Poel 1967: 60; Le Renard & Pacaud 1995: 78).

*approximata*, *Erycina* – Deshayes, 1863: 17, pl. 2, figs 13-15. — Type locality: La Réunion. — Type age: Recent. — Current status: *Lionelita approximata* (Deshayes, 1863) (Huber 2015: 489).

*arcta*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 52, pl. 52, figs 33-36; 1860-DescrCoqFoss: 723. — Type localities: Parnes, Saint-Félix & Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Current status: *Erycina arcta* Deshayes, 1858 (Glibert & Van de Poel 1967: 61; Le Renard & Pacaud 1995: 78; Pacaud 2008: 87).

*australis*, *Erycina* – Deshayes, 1856c: 183. — Type locality: northern Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 1967560, holotype. — Current status: *Erycina australis* Deshayes, 1856.

*baudoni*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 51, pl. 51, figs 21-23; 1860-DescrCoqFoss: 710-711. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Planikellia baudoni* (Deshayes, 1858) (Glibert & Van de Poel 1967: 69; Le Renard & Pacaud 1995: 77; Pacaud 2008: 88).

*bernayi*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 50, pl. 50, figs 1-4; 1860-DescrCoqFoss: 717. — Type localities: Auvers-sur-Oise & Valmondois. — Type age: Eocene (Bartonian). — Current status: *Erycina bernayi* Deshayes, 1858 (Glibert & Van de Poel 1967: 61; Le Renard & Pacaud 1995: 78).

*bracteola*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 51, pl. 51, figs 28-30; 1860-DescrCoqFoss: 717. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: synonym of *Kellia (Planikellia) baudoni* (Deshayes, 1858) (Cossmann 1887: 71).

*bullula*, *Erycina* – Deshayes, 1856c: 182. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196794, 2 syntypes; 196795, 2 syntypes. — Current status: *Kellia bullula* (Deshayes, 1856) (Huber 2015: 134-135, 496-497).

*calyculata*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 52, pl. 52, figs 37-40; 1860-DescrCoqFoss: 716, ex Baudon ms. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Erycina calyculata* Deshayes, 1858 (Le Renard & Pacaud 1995: 78; Pacaud 2008: 87).

*crassidens*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 53, pl. 53, figs 4-6 [in text as pl. 52]; 1860-DescrCoqFoss: 715-716; 1865-DescrCoqFoss: 665 [error noted]. — Type locality: Parnes. — Type age: Eocene (Lutetian). *Planikellia undulata* [Lamarck, 1806] *crassidens* (Deshayes, 1858) (Le Renard & Pacaud 1995: 77. — Current status: *Planikellia crassidens* (Deshayes, 1858) (Pacaud 2008: 88).

*cycladiformis*, *Erycina* – Deshayes, 1839-TraitElem: 7, pl. 11, figs 6-9; 1850-TraitElem: 736. — Type locality: New Zealand. — Type age: Recent. 1856c: 181. — Type material: NHMUK 196578, lectotype; 196578, paralectotype. — Current status: *Kellia cycladiformis* (Deshayes, 1839) (Powell 1979: 390, fig. 1, 393; Oliver 1992: 111-112, pl. 18; Huber 2015: 498).

*denticulata*, *Erycina* – Deshayes, 1856c: 182, non J. E. Gray, 1825. — Type locality: Borneo; Cuming coll. — Type age: Recent. — Type material: NHMUK 1952.6.9.1, 2 syntypes. *Lionelita denticulata* (Deshayes, 1856) (Oliver 1992: 112, pl. 18). — Current status: synonym of *Lionelita nuculoides* (Hanley, 1857) (Huber 2015: 489; Kubo & Matsukuma, in Okutani 2017: 1226, pl. 523, fig. 1).

*dentiens*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 50, pl. 50, figs 15-17; 1860-DescrCoqFoss: 726. — Type localities: Houdan & Mouy. — Type age: Eocene (Lutetian). — Current status: *Erycina dentiens* Deshayes, 1858 (Glibert & Van de Poel 1967: 61; Le Renard & Pacaud 1995: 78; Pacaud 2008: 87).

*diversa*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 53, pl. 53, figs 7-9; 1860-DescrCoqFoss: 718. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Current status: synonym of *Kellia (Planikellia) undulata* (Lamarck, 1806) (Cossmann 1887: 70-71). *Planikellia undulata* (Lamarck, 1806) Le Renard & Pacaud 1995: 77).

*donaciformis*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 50, pl. 50, figs 12-14; 1860-DescrCoqFoss: 725. — Type localities: Thiverval-Grignon, Chaussy & Mouy. — Type age: Eocene (Lutetian). — Current status: *Erycina donaciformis* Deshayes, 1858 (Le Renard & Pacaud 1995: 78; Pacaud 2008: 87). Preoccupies *Erycina donaciformis* Hörnes, 1865.

*emarginata*, *Erycina* – Deshayes, 1858-DescrCoqFoss: pl. 53, figs 13-15; 1860-DescrCoqFoss: 712, 53. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Type species (OD) of *Laubriereia* Cossmann, 1887; *Laubriereia* Cossmann, 1896, unjustified emendation. — Current status: *Laubriereia emarginata* (Deshayes, 1858) (Le Renard & Pacaud 1995: 78; Pacaud 2008: 88; Nevesskaja *et al.* 2013: 322, fig. 115-1).

*foucardi*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 52, pl. 52, figs 10-13; 1860-DescrCoqFoss: 721. — Type locality: Hérouval. — Type age: Eocene (Ypresian). — Current status: *Erycina foucardi* Deshayes, 1858 (Glibert & Van de Poel 1967: 61; Le Renard & Pacaud 1995: 78).

*grata*, *Erycina* – Deshayes, 1856c: 183. — Type locality: Samar Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1967100, 3 syntypes. — Current status: *Cymatioa grata* (Deshayes, 1856) (Huber 2015: 131, his material as “aff.”, 491).

*grignonensis*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 51, pl. 51, figs 10-12 [mislabelled as *Erycina obliqua* Caillat]; 1860-DescrCoqFoss: 724; 1865-DescrCoqFoss: 666 [correction made]. — Type localities: Thiverval-Grignon, Mouchy-le-Châtel & Coincourt. — Type age: Eocene (Lutetian). — Current status: *Erycina grignonensis* Deshayes, 1858 (Glibert & Van de Poel, 1967: 62). *Erycina vesicularis* [Récluz, 1844] *grignonensis* Deshayes, 1858 (Le Renard & Pacaud 1995: 78). *Erycina grignonensis* Deshayes, 1858 (Pacaud 2008: 87).

*guttula*, *Erycina* – Deshayes, 1856c: 182. — Type locality: Buriis Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196798, holotype, badly broken. — Current status: *nomen dubium* (Huber 2015: 499).

*lamarckii*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 52, pl. 52, figs 30-32; 1865-DescrCoqFoss: 666 [E. “lamarckii” was an error; should have been *Erycina lamarckiana* Récluz, 1844, as in text: 1860-DescrCoqFoss: 725]. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Current status: *Erycina (Erycina) lamarckiana* Récluz, 1844 (Le Renard & Pacaud 1995: 78).

*laperousii*, *Chironia* – Deshayes, 1839d: 357; 1840: 1, pl. 12. — Type locality: none given [California]; Chiron; *Venus* voyage. — Type age: Recent. — Type material: NHMUK 20150581, syntype (miss-



ing). — Current status: synonym of *Kellia suborbicularis* (Montagu, 1803) [Mya] (Coan & Valentich-Scott 2012: 510-511), or separable *Kellia laperousii* (Deshayes, 1839) (Huber 2015: 136).

*latens*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 51, pl. 51, figs 24-27; 1860-DescrCoqFoss: 712. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Erycina latens* Deshayes, 1858 (Glibert & Van de Poel 1967: 62; Le Renard & Pacaud 1995: 78; Pacaud 2008: 87).

*levigatum*, *Lepton* – Deshayes, 1858-DescrCoqFoss: 693, 49, as *L. laevigatum*, pl. 49, figs 31-32, 35. — Type locality: Hérouval. — Type age: Eocene (Ypresian). — Current status: *Erycina levigata* (Deshayes, 1858) (Le Renard & Pacaud 1995: 77).

*longidentata*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 52, pl. 52, figs 27-29; 1860-DescrCoqFoss: 722. — Type locality: Hérouval. — Type age: Eocene (Ypresian). — Current status: *Erycina longidentata* Deshayes, 1858 (Glibert & Van de Poel 1967: 62; Le Renard & Pacaud 1995: 78).

*macrodonta*, *Erycina* – 1856c: 182-183. — Type locality: Basay, Luzon Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196799, holotype. — Current status: *Kellia macrodonta* (Deshayes, 1856) (Huber 2015: 136 – holotype, 496).

*nitidissimum*, *Lepton* – Deshayes, 1858-DescrCoqFoss: 692-693, 49, pl. 49, figs 33-34, 36-38. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Erycina nitidissima* (Deshayes, 1858) (Glibert & Van de Poel 1967: 62-63; Le Renard & Pacaud 1995: 77; Pacaud 2008: 88, as “1857”).

*nitidula*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 50, pl. 50, figs 5-7; 1860-DescrCoqFoss: 705-706, as *Erycina obliqua* Caillat, 1831; 1865-DescrCoqFoss: 666 [plate should have been *Erycina obliqua* Caillat, 1831, as in text,], making the Deshayes name a synonym. *Kellia (Divarikellia) nitida* (Caillat, 1835) (Cossmann 1887: 68). — Current status: *Divarikellia nitida* (Caillat, 1835) (Le Renard & Pacaud 1995: 78).

*obsoleta*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 53, pl. 53, figs 16-19; 1860-DescrCoqFoss: 720. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Erycina obsoleta* Deshayes, 1858 (Glibert & Van de Poel 1967: 63; Le Renard & Pacaud 1995: 78; Pacaud 2008: 88).

*orbicularis*, *Erycina* – Deshayes, 1824-DescrCoqFoss: 43, 3, pl. 6, figs 27-30; 1830b-EncyMeth: 119; 1835-HistNatAnim2: 119; 1839-HistNatAnim3: 541; 1858-DescrCoqFoss: 710. — Type locality: none given. — Type locality: Thiverval-Grignon, Parnes & Saint-Félix [given in 1858]. — Type age: Eocene (Lutetian). *Planikellia orbicularis* (Deshayes, 1824) (Glibert & Van de Poel 1967: 69). — Current status: synonym of *Planikellia translucida* (Lamarck, 1807) (Le Renard & Pacaud 1995: 77).

*papyracea*, *Erycina* – Deshayes, 1856:c 183. — Type locality: western Colombia; Cuming coll. — Type age: Recent. — Type material: NHMUK 1967559, holotype. *Scintillona papyracea* (Deshayes, 1856) (Coan & Valentich-Scott 2012: 488). *Cymatioa papyracea* (Deshayes, 1856) (Huber 2015: 131, 491).

*parva*, *Erycina* – Deshayes, 1856c: 182. — Type locality: Basay, Luzon Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196796, holotype. *Erycina parva* Deshayes, 1856 (Huber 2015: 138-139 – holotype, 486).

*parvula*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 53, pl. 53, figs 1-3; 1860-DescrCoqFoss: 711. — Type locality: La Ferté-sous-Jouarre. — Type age: Eocene (Bartonian). *Erycina parvula* Deshayes, 1858 (Glibert & Van de Poel 1967: 63; Le Renard & Pacaud 1995: 78).

*passyana*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 52, pl. 52, figs 7-9; 1860-DescrCoqFoss: 709. — Type locality: Hérouval. — Type age: Eocene (Ypresian). *Erycina passyana* Deshayes, 1858 (Le Renard & Pacaud 1995: 78).

*pauciplicata*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 50, pl. 50, figs 25-27; 1860-DescrCoqFoss: 706. — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). *Kellia pauciplicata* (Deshayes, 1858) (Glibert & Van de Poel 1967: 65; Le Renard & Pacaud 1995: 78; Pacaud 2008: 88).

*pectinula*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 50, pl. 50, figs 8-11; 1860-DescrCoqFoss: 705, as *Erycina nitida* Caillat, 1831; 1865-DescrCoqFoss: 666 [plate should have been *Erycina nitida* Caillat, 1831, as in text], making the Deshayes name a synonym of that species.

*pusiola*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 52, pl. 52, figs 1-3; 1860-DescrCoqFoss: 726. — Type locality: La Ferté-sous-Jouarre. — Type age: Eocene (Bartonian). *Erycina pusiola* Deshayes, 1858 (Le Renard & Pacaud 1995: 78).

*pustula*, *Erycina* – Deshayes, 1863: 16-17, pl. 2, figs 10-12. — Type locality: La Réunion. — Type age: Recent. *Scintillula pustula* (Deshayes, 1863) (Huber 2015: 123, 484).

*radiatula*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 53, pl. 53, figs 10-12; 1860-DescrCoqFoss: 708-709. — Type locality: Houdan. — Type age: Eocene (Lutetian). *Erycina radiatula* Deshayes, 1858 (Glibert & Van de Poel 1967: 63; Le Renard & Pacaud 1995: 78; Pacaud 2008: 88).

*rauliniiana*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 52, pl. 52, figs 14-16; 1860-DescrCoqFoss: 607. — Type localities: Jeurre, Étréchy & Morigny-Champigny. — Type age: Oligocene (Rupelian). *Bornia ? rauliniiana* (Deshayes, 1858) (Lozouet & Maestrati 2012a: 258-259, fig. 164: 9-12).

*recluzii*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 51, pl. 51, figs 17-20; 1860-DescrCoqFoss: 715. — Type locality: Parnes. — Type age: Eocene (Lutetian). *Erycina recluzii* Deshayes, 1858 (Le Renard & Pacaud 1995: 78; Pacaud 2008: 88).

*rotunda*, *Erycina* – Deshayes, 1856c: 181. — Type locality: Moreton Bay, Queensland, Australia; Strange; Cuming coll. — Type age: Recent. — Type material: NHMUK 196576, lectotype; 196577, paralectotype. *Kellia rotunda* (Deshayes, 1856) (Huber 2015: 497).

*signata*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 52, pl. 52, figs 20-22 [fig. 21 not cited in text]; 1860-DescrCoqFoss: 708. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). *Kellia (Bornia) signata* (Deshayes, 1858) (Glibert & Van de Poel 1967: 66). *Bornia signata* (Deshayes, 1858) (Le Renard & Pacaud 1995: 78; Pacaud 2008: 88).

*solidula*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 50, pl. 50, figs 31-33; 1860-DescrCoqFoss: 707-708. — Type locality: Le Guépelle. — Type age: Eocene (Bartonian). *Kellia (Semeloidea) solidula* (Deshayes, 1858) (Glibert & Van de Poel 1967: 67). *Semeloidea “?” solidula* (Deshayes, 1858) (Le Renard & Pacaud 1995: 78).

*squama*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 53, pl. 53, figs 20-22; 1860-DescrCoqFoss: 720. — Type locality: Hérouval. — Type age: Eocene (Ypresian). Synonym of *Erycina foucardi* Deshayes, 1858 (Cossmann 1887: 56).

*striatissima*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 51, pl. 51, figs 38-41; 1860-DescrCoqFoss: 714. Saint-Félix. — Type age: Eocene (Lutetian). *Erycina striatissima* Deshayes, 1858 (Glibert & Van de Poel 1967: 64; Le Renard & Pacaud 1995: 78; Pacaud 2008: 88).

*subtriangularis*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 50, pl. 50, figs 34-37; 1860-DescrCoqFoss: 706-707. — Type locality: Valmondois. — Type age: Eocene (Bartonian). *Kellia* (*Bornia*) *subtriangularis* (Deshayes, 1858) (Glibert & Van de Poel 1967: 67). *Bornia subtriangularis* (Deshayes, 1858) (Le Renard & Pacaud 1995: 78).

*symmetrica*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 51, pl. 51, figs 35-37 [fig. 37 not cited in text]; 1860-DescrCoqFoss: 714; 1865-DescrCoqFoss: 665 [error noted]. — Type localities: Saint-Félix & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). *Planikellia symmetrica* (Deshayes, 1858) (Le Renard & Pacaud 1995: 78; Pacaud 2008: 88).

*tenuicula*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 50, pl. 50, figs 28-30, 42; 1860-DescrCoqFoss: 724; 1865-DescrCoqFoss: 666 [noted that fig. 42 should have been referenced on p. 50]. — Type locality: Chambors. — Type age: Eocene (Lutetian). *Erycina tenuicula* Deshayes, 1858 (Glibert & Van de Poel 1967: 64; Le Renard & Pacaud 1995: 78).

*textile*, *Lepton* – 1858-DescrCoqFoss: 692, 49, as *L. textilis*, pl. 49, figs 27-30. — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). *Erycina textilis* (Deshayes, 1858) (Glibert & Van de Poel 1967: 64; Le Renard & Pacaud 1995: 77; Pacaud 2008: 88).

*trigonalis*, *Erycina* – Deshayes, 1858-DescrCoqFoss: 50, pl. 50, figs 18-20; 1860-DescrCoqFoss: 722. — Type localities: Mouchy-le-Châtel & Ver-sur-Launette. — Type age: Eocene (Lutetian-Bartonian). *Erycina trigonalis* Deshayes, 1858 (Glibert & Van de Poel 1967: 64; Le Renard & Pacaud 1995: 78).

*zebuensis*, *Erycina* – Deshayes, 1856c: 182. — Type locality: Sebinga, Zebu Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196797, holotype. *Erycina zebuensis* Deshayes, 1856 (Huber 2015: 126, 490).

*borneensis*, *Scintilla* – G. B. Sowerby II, 1862: 176, pl. 234, fig. 10, ex Deshayes ms. — Type locality: Borneo. — Type age: Recent. Probably taken from a label in the NHMUK collection, as Deshayes did not directly contribute to this monograph. Synonym of *Lepiropodes ambiguus* (Deshayes, 1856) [*Galeomma*] (E. A. Smith 1884: 106; Lützen & Nielsen 2005: 297, as “1874”).

#### Family GLOSSIDAE J. E. Gray, 1847 [1840]

*bachelieri*, *Isocardia* – Deshayes, 1860b: 327-328, pl. 10, figs 3-5. — Type locality: Sainte-Scolasse-sur-Sarthe. — Type age: Jurassic.

*burdigalensis*, *Isocardia* – Deshayes, 1839-TraitElem: 15, pl. 23, figs 12-14; 1857-TraitElem: 29. — Type localities: Bordeaux & Saint-Paul-lès-Dax. — Type age: Miocene (Burdigalian). New species based on *Isocardia cor* (Linnaeus, 1767), *sensu* de Serres, 1829, and *sensu* Grateloup, 1839, *non Chama cor* Linnaeus, 1767. — Current status: *Glossus burdigalensis* (Deshayes, 1839) (Glibert & Van de Poel 1966b: 17-18, as “1832”; Hessel 2016: 262, 1 fig.).

*carinata*, *Cypricardia* – Deshayes, 1829-DescrCoqFoss: 186-187, 16, pl. 31, figs 1-2; 1830b-EncyMeth: 45; 1835-HistNatAnim2: 440-441; 1839-HistNatAnim3: 639. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). 1858-DescrCoqFoss: 533. *Miocardiopsis carinata* (Deshayes, 1829) (Glibert & Van de Poel 1966b: 19; Glibert 1980: 29-30). — Current status: *Glossocardia* (*Miocardiopsis*) *carinata* (Deshayes, 1829) (Le Renard & Pacaud 1995: 74; Pacaud 2008: 89). *Glossocardia* (*Glossocardia*) *carinata* (Deshayes, 1829) (Maestrati & Lozouet 1995: 192-193, pl. 30, figs 23, 25-26, as “1830”).

*isocardioides*, *Cypricardia* – Deshayes, 1858-DescrCoqFoss: 534, 57, pl. 57, figs 6-9. — Type locality: Le Fayel. — Type age: Eocene (Bartonian). *Miocardiopsis isocardioides* (Deshayes, 1858) (Glibert & Van de Poel 1966b: 19). — Current status: *Glossocardia* (*Miocardiopsis*) *isocardioides* (Deshayes, 1858) (Le Renard & Pacaud 1995: 74).

*philippii*, *Isocardia* – Deshayes, 1858-DescrCoqFoss: 548. New species based on *Isocardia cor* (Linnaeus, 1767) [Chama], of Philippi 1844a (p. 12, 47). — Type locality: Kassel, Germany. — Type age: Oligocene (Chattian).

*polonica*, *Isocardia* – Deshayes, 1857-TraitElem: 28. Replacement name for *Isocardia ventricosa* Pusch, 1836: 68. pl. 7, fig. 8a-b, *non* J. de C. Sowerby, 1826. — Type locality: Ukraine. — Type age: Jurassic.

*praelonga*, *Isocardia* – Leymerie, 1841: 341, *nomen nudum*; 1842: 6, 25, 30, pl. 7, fig. 3a-c, ex Deshayes ms. — Type localities: Soulaines-Dhuys, Thieffrain & Vendevre-sur-Barse. — Type age: early Cretaceous (Hauterivian).

*unioniformis*, *Lucina* – Deshayes, 1850-TraitElem: 787-788. 1857-TraitElem: *iv*, pl. 14 bis, figs 7-9. — Type localities: Belgium, England & Oural. — Type age: Carboniferous. Originally made available as *Isocardia unioniformis* J. Phillips, 1836.

#### Family KELLIELLIDAE P. Fischer, 1887

*leanus*, *Hippagus* – Deshayes, 1858-DescrCoqFoss: 51, pl. 51, figs 1-3 [in text in error as pl. 41]; 1860-DescrCoqFoss: 810-811; 1865-DescrCoqFoss: 665 [error noted]. — Type localities: Mouchy-le-Châtel & Hermonville. — Type age: Eocene (Lutetian). — Type species (OD) of *Allopagus* Stoliczka, 1871. — Current status: *Allopagus leanus* (Deshayes, 1858) (Glibert & Van de Poel 1966b: 22; Le Renard & Pacaud 1995: 78; Pacaud 2008: 89; Nevesskaja *et al.* 2013: 421, fig. 153-10).

#### Family LUTETIIDAE Zhgenti, 1976

*Lutetia* – Deshayes, 1858-DescrCoqFoss: 16 *ter*, pl. 16 bis, figs 34-36; 1858-DescrCoqFoss: 59, pl. 59, figs 12-14; 1860-DescrCoqFoss: 787-790. — Type species (SD) Stoliczka, 1871: *Lutetia parisiensis* Deshayes, 1858. France. — Type age: Eocene. — Current status: valid type genus.

*parisiensis*, *Lutetia* – Deshayes, 1858-DescrCoqFoss: 16 *ter*, pl. 16 bis, figs 34-36 [in text as figs 34-37, the last an error]; 1860-DescrCoqFoss: 789; 1865-DescrCoqFoss: 665 [error noted]. — Type localities: Thiverval-Grignon, Parnes, Mouchy-le-Châtel, Damery, Montmirail, Brasles, Saint-Félix & Saint-Thomas. — Type age: Eocene (Lutetian). — Current status: *Lutetia parisiensis* Deshayes, 1858, type species of the genus (Glibert & Van de Poel 1966b: 21; Le Renard & Pacaud 1995: 80, as “1857”; Jeffery & Tracey 1997: 81, 89, pl. 5, fig. 18, as “1860”; Pacaud 2008: 89, as “1857”; Nevesskaja *et al.* 2013: 411, fig. 149-11).

*umbonata*, *Lutetia* – Deshayes, 1858-DescrCoqFoss: 59, pl. 59, figs 12-14; 1860-DescrCoqFoss: 789-790. — Type locality: Mercinet-Vaux. — Type age: Eocene (Ypresian). — Current status: *Lutetia umbonata* Deshayes, 1858 (Glibert & Van de Poel 1966b: 21; Le Renard & Pacaud 1995: 80).

#### Family MACTRIDAE Lamarck, 1809

In reviewing the authorship of Recent taxa proposed by Deshayes in meetings of the Zoological Society of London,



but published first by Reeve in the *Conchologia Iconica* before the *Proceedings of the Zoological Society of London* was published, Matsukuma (2001) and Petit (2007) concluded that the species of *Maetra* and *Lutraria* should be regarded as “Deshayes, in Reeve”, but that the species of *Mesodesma* and *Donax* should be regarded as “Reeve, *ex* Deshayes ms.” It makes no difference as to the availability, names or dates of these species. However, in each case, there were species for which the decision proved difficult – species in Reeve credited to Deshayes, but not in Deshayes’ papers; species in Deshayes papers but not covered by Reeve; descriptions greatly shortened by Reeve from those of Deshayes; or type localities differing in the two sources.

For us, the issue is more fundamental: how Reeve got the Deshayes names, perhaps by seeing the specimens in the British Museum, or obtained a copy, perhaps a copy or a preprint of his *PZSL* manuscripts, is unclear. Deshayes’ help is not acknowledged, and it is not clear that he cooperated with Reeve’s advance publication of the names. We conclude that Reeve “scooped” Deshayes and should be deemed the author of all these taxa. This is the conclusion first reached by Tomlin (1924). Authors since Petit (2007) have been inconsistent in their treatment of these authorships. Here we discuss these Reeve species as well to those of Deshayes because their authorships are so entwined, listing all these taxa ensure our understanding of their authorships. The Deshayes species are listed first, followed by those we credit to Reeve.

*Heterocardia* – Deshayes, 1855c: 339-340. — Type species (SD Stoliczka, 1871): *Heterocardia gibbosula* Deshayes, 1855. — Current status: valid genus.

*albina*, *Maetra* – Deshayes, 1832-EncyMeth: 395. — Type localities: Senegal; also Bordeaux & Sain-Paul-lès-Dax. — Type age: Miocene. Synonym of *Maetra striatella* Lamarck, 1818 (J. C. Jay, 1852: 19; Reeve, 1854a: pl. 3, species 12). The Miocene fossil at Bordeaux & Sain-Paul-lès-Dax is *Barymaetra bucklandi* (Defrance, 1823) (Pacaud herein). — Current status: Synonym of *Leptospisula nivea* (Gmelin, 1791) (Huber 2010a: 445; chapter 5 on CD).

*alta*, *Maetra* – Deshayes, 1855c: 347. — Type locality: Australia. — Type age: Recent. — Type material: NHMUK 1846.9.21.22, 1 syntype. — Current status: *Maetra alta* Deshayes, 1855 (E. A. Smith 1914: 139-140, fig.; Huber 2010a: 439).

*angusta*, *Lutraria* – Deshayes, 1832-EncyMeth: 390. — Type localities: Bordeaux & Saint-Paul-lès-Dax. — Type age: Miocene (Aquitanian). — Current status: *Lutraria (Lutraria) angusta* Deshayes, 1832 (Glibert & Van de Poel 1970: 27, as “1831”).

*bullata*, *Maetra* – Deshayes, 1855b: 67-68. — Type locality: none given. — Type age: Recent. Cuming coll. — Current status: *taxon inquirendum*.

*chamata*, *Maetra* – Deshayes, 1835a: 321, *nomen nudum*.

*compressa*, *Maetra* – Deshayes, 1832-EncyMeth: 399, *non* Pulteney, 1799, *nec* Spengler, 1802, *nec* Lamarck, 1818. Deshayes cited his description and figures for *Maetra depressa* Deshayes, 1824 (see below), realizing that his *Maetra depressa* was a junior homonym of *M. depressa* Lamarck, 1818, which he had listed on the previous page and to which he compared it. Sadly, he then created another junior homonym. *Maetra subdepressa* d’Orbigny, 1850b (d’Orbigny 1850b:

421, no. 1580), replacement name for *Maetra depressa* Deshayes, 1824. 1857-DescrCoqFoss: 291, as *M. compressa*. — Current status: *Spisula (Austromactra) compressa* (Deshayes, 1832) (Glibert & Van de Poel 1970: 19; Le Renard & Pacaud 1995: 69, none of these authors realizing the continuing homonymy), now *Austromactra subdepressa* (d’Orbigny, 1850).

*contortula*, *Maetra* – Deshayes, 1857-DescrCoqFoss: 292, 18, pl. 18, figs 13-18. — Type localities: Beauval, Crouy, Acy-en-Multien, Mary-sur-Marne, La Ferté-sous Jouarre, Ver-sur-Launette, Caumont, Auvers-sur-Oise, Montagny-en-Vexin, Le Guépelle. — Type age: Eocene (Bartonian). — Current status: *Spisula (Austromactra) contortula* (Deshayes, 1857) (Glibert & Van de Poel 1970: 19; Le Renard & Pacaud 1995: 69).

*contradicta*, *Maetra* – Deshayes, 1857-DescrCoqFoss: 288-289, 18, pl. 18, figs 19-21. — Type localities: Mary-sur-Marne, Acy-en-Multien, Vendrest, Betz, Caumont, Crouy, Coulombs, Jaignes, Auvers-sur-Oise, Le Fayel & Beauval; England. — Type age: Eocene (Bartonian). — Current status: synonym of *Maetra compressa* Deshayes, 1832 (Cossmann 1886a: 62).

*cumingii*, *Heterocardia* – Deshayes, 1855c: 339-340. — Type locality: Manila, Philippine Islands; Cuming coll. — Type age: Recent. — Current status: synonym of *Heterocardia gibbosula* Deshayes, 1855 (Huber 2015: chapter 5 on CD).

*cuvieri*, *Maetra* – Deshayes, 1854c: 17. See: *cumingii*, *Maetra* – Reeve, 1854, below.

*depressa*, *Maetra* – Deshayes, 1824-DescrCoqFoss: 32, 2, pl. 4, figs 11-14, *non* Spengler, 1802, *nec* Lamarck, 1818; 1835-HistNatAnim2: 108; 1839-HistNatAnim3: 538. — Type locality: La Chapelle-en-Serval. — Type age: Eocene (Bartonian). *Maetra subdepressa* d’Orbigny, 1850b (d’Orbigny 1850b: 421, no. 1580), replacement name. — Current status: synonym of *Spisula (Austromactra) compressa* (Deshayes, 1832) [*Maetra*] (Pacaud 2007: 62). However, this is also a junior homonym (see above), now *Austromactra subdepressa* (d’Orbigny, 1850).

*ensis*, *Lutraria* – Deshayes, 1835-HistNatAnim2: 94; 1839-HistNatAnim3: 534. Unjustified emendation of *Lutraria acinaces* Quoy & Gaimard, 1835. — Type locality: New Zealand. — Type age: Recent. — Current status: *Zenatia acinaces* (Quoy & Gaimard, 1835), the type species (M) of *Zenatia* J. E. Gray, 1853.

*fabagella*, *Heterocardia* – Deshayes, 1855c: 340. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 20230054, syntype. — Current status: synonym of *Heterocardia gibbosula* Deshayes, 1855 (Huber 2015: chapter 5 on CD).

*gibbosula*, *Heterocardia* – Deshayes, 1855c: 340. — Type locality: Manila, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 20230055, 3 syntypes. Not to be confused with *Maetra gibbosula* Reeve, 1854, which is now regarded as a synonym of *Maetra quadrangularis* Reeve, 1854. — Current status: *Heterocardia gibbosula* Deshayes, 1855 (Huber 2010a: 452, 760).

*goniata*, *Maetra* – Deshayes, 1855b: 70, *ex* J. E. Gray ms. — Type locality: [Gulf of] California; Cuming coll. — Type age: Recent. — Current status: synonym of *Mulinia pallida* (Broderip & G. B. Sowerby I, 1829) [*Maetra*] (Coan & Valentich-Scott 2012: 552-553; Signorelli, 2019: 33).

*grandis*, *Maetra* – Deshayes, 1832-EncyMeth: 395, *non* Gmelin, 1791. — Type locality: none given. — Type age: Recent. — Current status: synonym of the western Atlantic *Mactromeris polytnyma* (Stimpson, 1860) [*Maetra*] (Dall 1894: 26, as *Spisula* and Deshayes’ species as “1830”; Kantor & Sysøev 2005: 393).

*hiantina*, *Mactra* – Deshayes, 1855b: 68. — Type localities: Puna & Guayaquil, Ecuador; Cuming coll. — Type age: Recent. — Current status: synonym of *Standella nasuta* (Gould, 1851) [*Mactra*] (Coan & Valentich-Scott 2012: 550-551, as *Mactrotoma*; Signorelli 2019: 59-60).

*intermedia*, *Lutraria* – Deshayes, 1855b: 71-72. Madagascar; Cuming coll. — Type age: Recent. Preoccupies *Lutraria intermedia* G. B. Sowerby II, 1859 (Petit, 2009: 126), a synonym of *Lutraria angustior* Philippi, 1844. — Current status: Deshayes' species is a *taxon inquirendum*.

*intuspecta*, *Mactra* – Deshayes, 1855b: 64. — Type locality: Manilla, Philippine Islands & China; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 4 syntypes. — Current status: synonym of *Mactra cygnus* Gmelin, 1791 (Huber 2010a: 440, 754-755).

*lamberti*, *Mactra* – Deshayes, 1857-DescrCoqFoss: 291-292, 18, pl. 18, figs 5-8. — Type locality: Sinceny. — Type age: Eocene (Ypresian). — Current status: *Spisula (Austromacra) lamberti* (Deshayes, 1857) (Glibert & Van de Poel 1970: 20; Le Renard & Pacaud 1995: 69).

*latissima*, *Lutraria* – Deshayes, 1832-EncyMeth: 389; 1835-HistNatAnim2: 94; 1839-HistNatAnim3: 534. — Type locality: Bordeaux. — Type age: Miocene (Burdigalian). — Current status: *Lutraria (Lutraria) latissima* Deshayes, 1832 (Cossmann & Peyrot 1909b: pl. 6, figs 28-29, pl. 7, fig. 5; 1909c: 264-265; Glibert & Van de Poel 1970: 27, as “1831”).

*recondita*, *Mactra* – Deshayes, 1857-DescrCoqFoss: 290-291, 18, pl. 18, figs 22-25. — Type localities: Hermonville & Boursault. — Type age: Eocene (Lutetian). — Current status: *Spisula (Austromacra) recondita* (Deshayes, 1857) (Glibert & Van de Poel 1970: 20; Le Renard & Pacaud 1995: 69; Pacaud 2008: 94).

*roysii*, *Lutraria* – Deshayes, 1835c: 24, *nomen nudum*. — Type locality: Norway. — Type age: Recent.

*solenoides*, *Zenatia* – Deshayes, 1855b: 72. — Type locality: New Zealand; Cuming coll. — Type age: Recent. — Current status: synonym of *Zenatia acinaces* (Quoy & Gaimard, 1835) [*Lutraria*] (Huber 2010a: 451; 2015: chapter 5 on CD).



*aequilatera*, *Mactra* – Reeve, 1854a: pl. 4, fig. 14, ex Deshayes ms; Deshayes, 1854c: 17, as *M. aequilateralis*. — Type locality: New Zealand; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 2 syntypes. — Type species (OD) of *Crassula* Marwick, 1948. — Current status: *Crassula aequilatera* (Reeve, 1854) (Powell 1979: 414-415, pl. 75, fig. 8, as “Deshayes”; Huber 2010a: 443).

*angulifera*, *Mactra* – Reeve, 1854a: pl. 16, fig. 83, ex Deshayes ms; Deshayes, 1855b: 70. Ticao. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1952.5.8.14-16, 3 syntypes. *Mactrotoma angulifera* (Reeve, 1854) (Qi 2004: 271, pl. 149, fig. C, as “Deshayes”; Wong 2009: 287, 294, fig. 14a-b; Huber, 2010a: 445; Matsukuma, in Okutani 2017: 1266, pl. 558, fig. 12, as “Deshayes, 1855”). — Current status: synonym of *Mactrotoma striatula* (Linnaeus, 1767) [*Mactra*] (Huber 2015: 835).

*angusta*, *Mactra* – Reeve, 1854a: pl. 18, fig. 93, ex Deshayes ms; Deshayes, 1855b: 67. — Type locality: Panama; Cuming coll. — Type age: Recent. — Type material: NHMUK 20190677, syntype. — Current status: *Standella (Micromacra) angusta* (Reeve, 1854) (Huber 2010a: 444; Coan & Valentich-Scott 2012: 548-549, as *Mactrotoma*; Signorelli 2019: 61-62).

*aphrodina*, *Mactra* – Reeve, 1854a: pl. 19, fig. 105, ex Deshayes ms; Deshayes, 1855b: 62. — Type locality: China; Belcher; Cuming coll. — Type age: Recent. — Type material: NHMUK 1996515, 3 probable syntypes. — Current status: *Mactra aphrodina* Reeve, 1854 (Huber 2010a: 439).

*apicina*, *Mactra* – Reeve, 1854a: pl. 19, fig. 111. — Type locality: none given; Cuming coll. — Type age: Recent. — Current status: synonym of *Mactra luzonica* Reeve, 1854 (figured in Huber 2010a: 441; 2015, chapter 5 on CD) from Southeast Asia.

*arcuata*, *Lutraria* – Reeve, 1854c: pl. 2, fig. 6, ex Deshayes ms; Deshayes, 1855b: 70-71. — Type locality: Luzon, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 20050310, 2 lectotype and paralectotype (Beu 2006: 244). *Lutraria arcuata* “Deshayes” (Ramakrishna & Dey 2010: 169). — Current status: synonym of *Lutraria australis* Reeve, 1857 (Lamprell & Whitehead 1992; Beu 2006: 242-243). Huber (2010a: 451, 759-760), however, rejected the additional opinion by Beu that this is the same as *Lutraria rhynchaena* Jonas, 1844.

*attenuata*, *Mactra* – Reeve, 1854a: pl. 18, fig. 97, ex Deshayes ms; Deshayes, 1855b: 62. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 1 syntype. *Mactra attenuata* “Deshayes” (Ramakrishna & Dey 2010: 161). — Current status: synonym of *Mactra cygnus* Gmelin, 1791 (Huber 2010a: 440, 755) from Southeast Asia.

*australis*, *Lutraria* – Reeve, 1854c: pl. 3, fig. 12, ex Deshayes ms; Deshayes, 1855b: 71. — Type locality: Moluccas (Reeve); Cuming coll. Australia (Deshayes); Cuming coll. — Type age: Recent. — Type material: NHMUK 20050507, lectotype; 20050508, paralectotypes. — Current status: *Lutraria australis* Reeve, 1854 (Beu 2006: 243-246; Oliver 1992: 132-133, pl. 28; Huber 2010a: 451). Huber (2010a: 451, 759-760), however, rejected the additional opinion by Beu that this is the same as *Lutraria rhynchaena* Jonas, 1844.

*bilineata*, *Mactra* – Reeve, 1854a: pl. 15, fig. 72, ex Deshayes ms; Deshayes, 1855b: 67, ex C. B. Adams ms. — Type locality: Jamaica; Cuming coll. — Type age: Recent. In Reeve, Deshayes was not mentioned. NHMUK 201906676.1-2, syntypes. — Current status: synonym of *Standella fragilis* (Gmelin, 1791) [*Mactra*] (Signorelli 2019: 57-59).

*californica*, *Mactra* – Reeve, 1854a: pl. 20, fig. 114, ex Deshayes ms; Deshayes, 1855b: 68, *non* Conrad, 1837. — Type locality: [Gulf of] California, Mexico; Cuming coll. — Type age: Recent. — Current status: synonym of *Standella nasuta* (Gould, 1851) [*Mactra*] (Coan & Valentich-Scott 2012: 550-551, as *Mactrotoma*; Signorelli 2019: 59-60).

*capensis*, *Lutraria* – Reeve, 1854c: pl. 3, fig. 9, ex Deshayes ms. NHMUK 20190681, 2 syntypes. Cape of Good Hope, South Africa; Cuming coll. — Type age: Recent. — Current status: *Lutraria capensis* Reeve, 1854 (Huber 2010a: 450, 759).

*capillacea*, *Mactra* – Reeve, 1854a: pl. 20, fig. 117, ex Deshayes ms; Deshayes, 1855b: 69. — Type localities: Philippine Islands & mouth of Indus River, Pakistan; Cuming coll. — Type age: Recent. — Type material: NHMUK 1996442, syntypes. *Harvella capillacea* “(Deshayes, 1854)” (Ramakrishna & Dey 2010: 168). — Current status: *Meropesta capillacea* (Reeve, 1854) (Huber 2010a: 452).

*carinulata*, *Mactra* – Reeve, 1854a: pl. 10, fig. 38, ex Deshayes ms; Deshayes, 1855b: 67. — Type locality: “Gulf of California”; Cuming coll. — Type age: Recent. — Current status: synonym of the western Atlantic *Mulinia cleryana* (d’Orbigny, 1846) [*Mactra*] (Coan & Valentich-Scott 2012: 554; species figd. by Huber 2010a: 447).



*complanata*, *Mactra* – Reeve, 1854a: pl. 12, fig. 54, ex Deshayes ms; Deshayes, 1854c: 14, non Gmelin, 1791. — Type locality: Indian Ocean; Cuming & Deshayes colls. — Type age: Recent. — Type material: NHMUK unnumbered, 2 syntypes. — Current status: *Simomacra chionia* (Tomlin, 1921: 226) [*Mactrinula*], replacement name (figd. in Huber 2010a: 445).

*contraria*, *Mactra* – Reeve, 1854a: pl. 17, fig. 86, ex Deshayes ms; Deshayes, 1855b: 62. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 4 syntypes. — Type species (OD) of *Austromacra* Iredale, 1930. — Current status: *Austromacra contraria* (Reeve, 1854) (Huber 2010a: 443) from Australia.

*corbiculoides*, *Mactra* – Reeve, 1854a: pl. 18, fig. 98, ex Deshayes ms; Deshayes, 1855b: 62-63. — Type locality: Ceylon; Cuming coll. — Type age: Recent. — Type material: NHMUK 20230053, 3 syntypes. — Current status: synonym of *Mactra cygnus* Gmelin, 1791 (Huber 2010a: 754, 758).

*corbuloides*, *Mactra* – Reeve, 1854a: pl. 19, fig. 103, ex Deshayes ms; Deshayes, 1855b: 63. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, syntype. — Current status: synonym of *Spisula trigonella* (Lamarck, 1818) [*Mactra*] (Huber 2010a: 448, 758) from Australia.

*cordiformis*, *Mactra* – Reeve, 1854a: pl. 2, fig. 6, ex Deshayes ms. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, syntype. — Current status: *Mactra cordiformis* Reeve, 1854 (Huber 2010a: 440, 754) from Australia.

*cornea*, *Mactra* – Reeve, 1854a: pl. 15, fig. 75, ex Deshayes ms; Deshayes, 1854c: 16. — Type locality: China; Cuming coll. — Type age: Recent. — Type material: NHMUK 1996443, syntype. — Current status: synonym of *Mactra antiquata* Spengler, 1802 (Huber 2010a: 439; 2015: chapter 5 on CD).

*cumingiana*, *Lutraria* – Reeve, 1854c: pl. 4, fig. 13, ex Deshayes ms; Deshayes, 1855b: 72, as *Zenatia*. — Type locality: New Zealand; Cuming coll. — Type age: Recent. — Current status: synonym of *Zenatia acinaces* (Quoy & Gaimard, 1835) [*Lutraria*] (Huber 2010a: 451; 2015: chapter 5 on CD).

*cumingii*, *Mactra* – Reeve, 1854a: pl. 6, fig. 24, ex Deshayes ms; Deshayes, 1854c: 17, as *M. cuvieri* (see above under Deshayes species). — Type locality: Molluccas; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 2 syntypes. — Current status: *Mactra (Coelomacra) cumingii* Reeve, 1854 (Huber 2010a: 443).

*curta*, *Lutraria* – Reeve, 1854c: pl. 2, fig. 5, ex Deshayes ms. Deshayes, 1855b: 71. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 20050505, holotype. — Current status: *Lutraria curta* Reeve, 1854 (Beu 2006: 248; Huber 2010a: 451).

*decora*, *Mactra* – Reeve, 1854a: pl. 16, fig. 80, ex Deshayes ms; Deshayes, 1855b: 63. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 20190679, syntype. *Mactra decora* “Deshayes” (Ramakrishna & Dey 2010: 162). — Current status: synonym of *Mactra lilacea* Lamarck, 1818 (Huber 2010a: 441; 2015: chapter 5 on CD) from the Indian Ocean.

*dissimilis*, *Lutraria* – Reeve, 1854c: pl. 2, fig. 8, ex Deshayes ms. Deshayes, 1855b: 72. — Type locality: none given [Australia]; Cuming coll. — Type age: Recent. — Type material: NHMUK 20050504, syntype. — Current status: synonym of *Lutraria australis* Reeve, 1857 (first reviser: Beu 2006: 242-243). Huber (2010a: 451, 759-760), however, rejected the additional opinion by Beu that this is the same as *Lutraria rhynchaena* Jonas, 1844.

*dissimilis*, *Mactra* – Reeve, 1854a: pl. 13, fig. 59, ex Deshayes ms; Deshayes, 1855b: 63. — Type locality: Australia; Jukes; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 2 syntypes. — Current status: *Mactra dissimilis* Reeve, 1854 (Huber 2010a: 440).

*dolabrata*, *Mactra* – Reeve, 1854a: pl. 19, fig. 107, ex Deshayes ms; Deshayes, 1855b: 66. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 1996444, syntype. *Mactrinula dolabrata* (Reeve, 1854) (Wong, 2009: 286, 294, fig. 15a, b). — Current status: synonym of *Mactrinula striatula* (Linnaeus, 1767) [*Mactra*]; Huber 2010a: 446, 757; 2015: 835). However, Wong was probably right.

*dysoni*, *Mactra* – Reeve, 1854a: pl. 13, fig. 64, ex Deshayes ms. — Type locality: China; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, syntype. — Current status: synonym of *Mactra eburnea* Philippi, 1849 (Huber 2010a: 440, 755).

*egena*, *Mactra* – Reeve, 1854a: pl. 14, fig. 71, ex Deshayes ms; Deshayes, 1855b: 68. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, syntype. — Current status: *Oxyperas egenum* (Reeve, 1854) (Huber 2010a: 449) from West Africa.

*epidermia*, *Mactra* – Reeve, 1854a: pl. 3, fig. 11, ex Deshayes ms. — Type locality: “Faro, Portugal”; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, syntype. — Current status: the Magellanic *Mulinia epidermia* (Reeve, 1854) (Huber 2010a: 758).

*eximia*, *Mactra* – Reeve, 1854a: pl. 8, fig. 31, ex Deshayes ms; Deshayes, 1854c: 16. — Type locality: Moreton Bay, Queensland, Australia; Strange; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 2 syntypes. — Current status: *Mactra eximia* Reeve, 1854 (Huber 2010a: 440).

*explanata*, *Mactra* – Reeve, 1854a: pl. 14, fig. 70, ex Deshayes ms; Deshayes, 1855b: 66. — Type locality: Swan River, Western Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 3 syntypes. — Current status: *Macrotoma explanata* (Reeve, 1854) (Huber 2010a: 756).

*gibbosula*, *Mactra* – Reeve, 1854a: pl. 16, fig. 79, ex Deshayes ms. India; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, syntype. *Mactra gibbosula* “Deshayes” (Ramakrishna & Dey 2010: 162). — Current status: synonym of *Mactra quadrangularis* (Reeve, 1854) (Huber 2010a: 442; 2015: chapter 5 on CD).

*hepatica*, *Mactra* – Reeve, 1854a: pl. 19, fig. 110, ex Deshayes ms; Deshayes, 1855b: 63. — Type locality: Negros, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 2 syntypes. — Current status: synonym of *Mactra cygnus* Gmelin, 1791 (Huber 2010a: 444, 754).

*impar*, *Lutraria* – Reeve, 1854c: pl. 3, fig. 10, ex Deshayes ms; Deshayes, 1855b: 70. Moreton Bay, Queensland, Australia; Cuming coll. — Type age: Recent. — Current status: *Lutraria impar* Reeve, 1854 (Huber 2010a: 451).

*inaequalis*, *Mactra* – Reeve, 1854a: pl. 17, fig. 87, ex Deshayes ms; Deshayes, 1855b: 64. — Type locality: China; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, syntype. — Current status: *Mactra inaequalis* Reeve, 1854 (Qi 2004: 270, pl. 148, fig. 1, as “*inaequalish* Deshayes”; Wong 2009: 285, 293, fig. 8a-b).

*incarnata*, *Mactra* – Reeve, 1854a: pl. 13, fig. 61, ex Deshayes ms. — Type locality: Swan River, Australia; Bacon; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 3 syntypes. — Current status: *Mactra incarnata* Reeve, 1854 (Huber 2010a: 441).

*incongrua*, *Mactra* – Reeve, 1854a: pl. 18, fig. 100, ex Deshayes ms; Deshayes, 1855b: 64. — Type locality: Luzon, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 2 syntypes. — Current status: synonym of *Mactra cygnus* Gmelin, 1791 (Huber 2010a: 440, 755).

*luzonica*, *Mactra* – Reeve, 1854a: pl. 16, fig. 81, ex Deshayes ms; Deshayes, 1855b: 64. — Type locality: Luzon, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 2 syntypes. — Current status: *Mactra luzonica* Reeve, 1854 (Ramakrishna & Dey 2010: 163, as “Deshayes”; Huber 2010a: 441).

*mera*, *Mactra* – Reeve, 1854a: pl. 16, fig. 82, ex Deshayes ms; Deshayes, 1854c: 16. — Type locality: China; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, syntype. *Mactra mera* Reeve, 1854 (Wong 2009: 285-286, 293, figs 3a-b, 4a-b, 20; Ramakrishna & Dey 2010: 137; 164-165, as “Deshayes”). — Current status: synonym of *Mactra grandis* Gmelin, 1791 (Huber 2010a: 441, 756).

*meretriciformis*, *Mactra* – Reeve, 1854a: pl. 5, fig. 18, ex Deshayes ms. Port Essington, Australia; Jukes; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 2 syntypes. — Current status: synonym of *Mactra abbreviata* Lamarck, 1818 (Huber 2010a: 439, 753).

*mitis*, *Mactra* – Reeve, 1854a: pl. 10, fig. 41, ex Deshayes ms. — Type locality: mouth of Gambia River; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 2 syntypes. — Current status: *Mactra mitis* Reeve, 1854 (Huber 2010a: 442, 756; 2015: 833-834).

*murchisoni*, *Mactra* – Reeve, 1854a: pl. 15, fig. 76, ex Deshayes ms; Deshayes, 1855b: 64-65. — Type locality: none given [New Zealand; Maj. Greenwood; Cuming coll.]. — Type age: Recent. — Type material: NHMUK 1850.12.28.260, possible type. *Mactra murchisoni* Reeve, 1854 (Climo 1972; Powell 1979: 413, pl. 75, fig. 2). — Current status: *Spisula murchisoni* (Reeve, 1854) Huber 2010a: 449; 2015: 836).

*obesa*, *Mactra* – Reeve, 1854a: pl. 5, fig. 19, ex Deshayes ms; Deshayes, 1854c: 16. — Type locality: Torres Straits, Australia; Jukes; Cuming & Deshayes colls. — Type age: Recent. — Type material: NHMUK unnumbered, syntype. — Type species (OD) of *Telemacra* Iredale, 1929, which is now regarded as a synonym of *Mactra* Linnaeus, 1767. — Current status: synonym of *Mactra abbreviata* Lamarck, 1818 (E. A. Smith 1914: 137; Huber 2010a: 439).

*opposita*, *Mactra* – Reeve, 1854a: pl. 18, fig. 95, ex Deshayes ms; Deshayes, 1855b: 65. — Type locality: Luzon, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 2 syntypes. — Current status: *Mactra opposita* Reeve, 1854 (Huber 2010a: 442).

*pellicula*, *Mactra* – Reeve, 1854a: pl. 21, fig. 124, ex Deshayes ms; Deshayes, 1855b: 68-69. — Type locality: “Japan”; Cuming coll. — Type age: Recent. — Type material: NHMUK 1996445, syntype. — Current status: the Asian *Raeta* (*Raetella*) *pellicula* (Reeve, 1854) (Harry 1969: 15-16, figs 14-15; Oliver 1992: 133, pl. 28, as “Deshayes”; Wong 2009: 287, 294, figs 11a-b, 12a-b; Huber 2010a: 761, not figd.).

*philippinarum*, *Lutraria* – Reeve, 1854c: pl. 1, fig. 4, ex Deshayes ms; Deshayes, 1855b: 71. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 20050311, lectotype & paralectotype. — Current status: synonym of *Lutraria australis* Reeve, 1854 (Lamprell & Whitehead 1992; Beu 2006: 242-243). Huber (2010a: 451, 759), however, rejected the additional opinion by Beu that this is the same as *Lutraria rhynchaena* Jonas, 1844.

*plicatilis*, *Mactra* – Reeve, 1854a: pl. 21, fig. 121, ex Deshayes ms. Deshayes, 1855b: 69. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1996447, syntype. — Current status: *Tumbeziconcha plicatilis* (Reeve, 1854) (Huber 2010a: 757).

*pura*, *Mactra* – Reeve, 1854a: pl. 12, fig. 53, ex Deshayes ms; Deshayes, 1854c: 15. — Type locality: Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 3 syntypes. — Current status: *Mactra pura* Reeve, 1854 (Huber 2010a: 442).

*quadrangularis*, *Mactra* – Reeve, 1854a: pl. 1, fig. 3, ex Deshayes ms; Deshayes, 1854c: 15. — Type locality: China; Cuming coll. — Type age: Recent. — Type material: NHMUK 20150112, 2 syntypes. — Current status: *Mactra quadrangularis* Reeve, 1854 (Kantor & Sysøev 2005: 393; Huber 2010a: 442).

*radiolata*, *Mactra* – Reeve, 1854a: pl. 17, fig. 91, ex Deshayes ms; Deshayes, 1855b: 65. — Type locality: Zebu, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, syntype. — Current status: synonym of *Mactra cygnus* Gmelin, 1791 (Huber 2010a: 440, 754-755).

*reevei*, *Mactra* – Reeve, 1854a: pl. 16, fig. 85, ex Deshayes ms; Deshayes, 1854c: 15. — Type locality: New Caledonia; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 2 syntypes. Not to be confused with *Mactrinula reevesii* (J. E. Gray, 1837) [*Mactra*], as was done by Barnes & Morton (1997). — Current status: synonym of *Mactra maculata* Gmelin, 1791 (Tomlin 1924: 135; figd. by Huber 2010a: 441).

*rostralis*, *Mactra* – Reeve, 1854a: pl. 21, figs 119, ex Deshayes ms; Deshayes, 1855b: 69. — Type locality: China (Reeve) Japan (Deshayes); Cuming coll. — Type age: Recent. — Type material: NHMUK 1996447, 2 syntypes. — Current status: synonym of *Raeta pulchella* (A. Adams & Reeve, 1850) [*Poromya*] (Harry 1969: 17-19, figs 16-19; Huber 2010a: 453).

*scalpellum*, *Mactra* – Reeve, 1854a: pl. 19, fig. 106, ex Deshayes ms; Deshayes, 1855b: 65. — Type locality: New Zealand; Strange; Cuming coll. — Type age: Recent. — Type material: NHMUK 20160675, 5 syntype valves. — Type species (OD) of *Scalpomacra* Finlay, in Marwick, 1928. — Current status: *Scalpomacra scalpellum* (Reeve, 1854) (Glibert & Van de Poel 1970: 21; Huber 2010a: 449).

*semistriata*, *Mactra* – Reeve, 1854a: pl. 12, fig. 55, ex Deshayes ms. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, syntype. — Current status: *Mactra semistriata* Reeve, 1854 (Huber 2010a: 756), perhaps from the Indian Ocean.

*semisulcata*, *Mactra* – Reeve, 1854a: pl. 11, fig. 48, ex Deshayes ms, non Lamarck, 1807. — Type locality: Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 2 syntypes. — Current status: the western Australian *Mactra deshayesi* Mayer, 1867 (Mayer 1867: 45), replacement name (Huber 2010a: 440, 755).

*sericea*, *Mactra* – Reeve, 1854a: pl. 3, fig. 10, ex Deshayes ms; Deshayes, 1855b: 65-66. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 2 syntypes. — Current status: the Australian *Mactra sericea* Reeve, 1854 (Huber 2010a: 442).

*subrostrata*, *Mactra* – Reeve, 1854a: pl. 7, fig. 25, ex Deshayes ms. — Type locality: Moluccas; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, syntype. — Current status: synonym of *Mactra violacea* Gmelin, 1791 (Huber 2010a: 443; 2015: chapter 5 on CD).

*sulcataria*, *Mactra* – Reeve, 1854a: pl. 2, fig. 5, ex Deshayes ms; Deshayes, 1854c: 15. — Type locality: none given; Cuming coll. — Type



age: Recent. — Type material: NHMUK 20130005, syntype, now labeled “Sandwich Islands”. — Current status: synonym of the western Pacific *Maetra chinensis* Philippi, 1846 (Lutaenko 2014, probable syntype figd.; Lutaenko *et al.* 2021: 214).

*symmetrica*, *Maetra* – Reeve, 1854a: pl. 16, fig. 84, ex Deshayes ms; Deshayes, 1854c: 17. — Type locality: New Caledonia; Cuming coll. — Type age: Recent. — Type material: NHMUK 20190674, holotype. *Maetra symmetrica* “Deshayes” (Ramakrishna & Dey 2010: 164-165). Indeterminate *Spisula* (Huber 2010a: 758). — Current status: synonym of the South American *Spisula petiti* (d’Orbigny, 1841) (Signorelli 2019: 50-51).

*transversa*, *Maetra* – Reeve, 1854a: pl. 17, fig. 88, ex Deshayes ms; Deshayes, 1855b: 66. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 4 syntypes. *Spisula (Oxyperas) transversa* (Reeve, 1854) (Wong 2009: 290, 295, figs 17a-b, 18a-b, as “Deshayes”). — Current status: *Spisula (Standella) transversalis* (Deshayes, 1854) (Ramakrishna & Dey 2010: 168-169). *Oxyperas transversum* (Reeve, 1854) (Huber 2015: chapter 5 on CD).

*tristis*, *Maetra* – Reeve, 1854a: pl. 14, fig. 69, ex Deshayes ms; Deshayes, 1855b: 69-70. — Type locality: Moreton Bay, Queensland, Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 1850.12.9.24-25, 2 syntypes. — Type species (OD) of *Cyclomactra* Dall, 1895. — Current status: *Cyclomactra tristis* (Reeve, 1854) (Huber 2010a: 445).

*veneriformis*, *Maetra* – Reeve, 1854a: pl. 1, fig. 2, ex Deshayes ms; Deshayes, 1854c: 15, non W. Wood, 1828. — Type locality: China; Cuming & Deshayes colls. — Type age: Recent. — Type material: NHMUK 20150113, 3 syntypes; MNHN-IM-2000-30803, syntype. — Current status: synonym of *Maetra quadrangularis* Reeve, 1854 (Kantor & Syssoev 2005: 393; Huber 2015: chapter 5 on CD; Matsukuma, in Okutani 2017: 1265, pl. 558, fig. 2).

*virgo*, *Maetra* – Reeve, 1854a: pl. 13, fig. 62 [not 63 as listed], ex Deshayes ms; Deshayes, 1855b: 66-67. — Type locality: Swan River, Western Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, syntype. — Current status: synonym of *Maetra pura* Reeve, 1854 (first reviser: E. A. Smith 1914: 147; Huber 2010a: 442).

*grateloupi*, *Maetra (Heteromactra)* – Cossmann & Peyrot, 1909b: pl. 5, figs 1-3, 1909c: 242-243, fig. 17, 253-254, ex Deshayes ms. The Miocene type species (OD) of *Heteromactra* Cossmann & Peyrot, 1909b, non E. Lamy, 1906. Genus replaced as *Allomactra* Tomlin, 1931.

#### Family ANATINELLIDAE J. E. Gray, 1853

Family listed by Bouchet & Rocroi (2010: 17, 129) as “Deshayes, in Gray, 1853”, but Deshayes was not mentioned by Gray so as to even merit an “*ex ms*” citation. This family should be listed simply as by J. E. Gray, 1853.

*candida*, *Anatinella* – Deshayes, 1850-TraitElem: 292, [iii], pl. 8 bis, figs 4-5, ex Chemnitz ms. — Type locality: Ceylon, Nicobar, Indian Ocean. — Type age: Recent. — Current status: synonym of *Anatinella nicobarica* (Gmelin, 1791) [*Mya*], the sole living species in the genus (Huber 2010a: 454; 2015: chapter 5 on CD).

#### Family CARDILIIDAE P. Fischer, 1887

*Cardilia* – Deshayes, 1835-HistNatAnim2: 448-450; 1839-HistNatAnim3: 642-642. — Type species (OD): *Isocardia semisulcata*

Lamarck, 1819. 1850-TraitElem: 250-255. Signorelli & Raven (2018) indicated the type species was designated later (SD Deshayes, 1844), but in his 1835 text Deshayes said, “La coquille que nous a communiquée M. De Haan est la même que celle nommée *Isocardia semisulcata* par Lamarck. Nous croyons qu’elle doit servir de type à un genre nouveau, pour lequel nous proposons le nom de cardilie *Cardilia*, ...” *Cardillia* Lycett, 1848, is a incorrect subsequent spelling. — Current status: valid type genus of the Cardiliidae (Neveeskaja *et al.* 2013: 417, fig. 152-10).

*Hemicyclonosta* – Deshayes in Michelin, 1825: pl. figs 8-9. — Type species (M): *Hemicyclonosta michelini* Deshayes in Michelin, 1825. France. — Type age: Eocene (Bartonian). Spelled *Hemicyclodonta* Deshayes, 1839-TraitElem2(1): 251, in synonymy of *Cardilia* Deshayes, 1835. — Current status: synonym of *Cardilia* Deshayes, 1835, under ICZN Code Art. 23.9. *Hemicyclostera* Bronn, 1838, and *Hemicycloster* Paetel, 1875, are other incorrect subsequent spellings.

*Hemicyclodonta* – Deshayes, 1839-TraitElem2(1): 251. See above.

*inermis*, *Cardilia* – Deshayes, 1844d: 1-8 [covering genus], esp. p. 6, pl. 100. — Type locality: Sumatra. — Type age: Recent. — Type material: not located. — Current status: *Cardilia inermis* Deshayes, 1844 (Huber 2010a: 762; Signorelli & Raven 2018: 133, 135-136, figs 3.1-3, 4.3-4).

*martini*, *Cardilia* – Deshayes, 1844d: 7-8, pl. 101. — Type locality: Malacca. — Type age: Recent. — Type material: not located. — Current status: *Cardilia martini* Deshayes, 1844 (Signorelli & Raven 2018: 135, 136, figs 3.4-5, 4.5-13).

*michelini*, *Hemicyclonosta* – Deshayes in Michelin, 1825: pl. figs 8-9; 1835-HistNatAnim2: 450; 1839-HistNatAnim3: 642, the latter two as *Cardilia*; 1839-TraitElem1(2): 251, as “*Hemicyclodonta*”; 1857-DescrCoqFoss: 296, 17, pl. 17, figs 10-14, as *Cardilia*. — Type locality: La Chapelle-en-Serval. — Type age: Eocene (Bartonian). MNHN.F.A09474, syntype. Of this species, Deshayes (1857-DescrCoqFoss: 296) wrote “There are few species as interesting as this one; its rarity, joined to the strangeness of its characters, makes it one of the most valuable in the Paris basin. The first specimen which we studied belonged to M. Michelin; it was for a long time the only one known in the collections”. — Current status: *Cardilia michelini* (Deshayes in Michelin, 1825) (Signorelli & Raven 2018: 6, 8, figs 5.15-16).

*michellotii*, *Cardilia*; see next entry.

*michellotii*, *Cardilia* – Deshayes, 1844d: 8 [not figured]. — Type locality: Asti, Piedmont, Italy. — Type age: Pliocene; Michelotti. — Type material: not located. Deshayes originally misspelled this name as *C. “michellotii”*, which can be corrected because he indicated that it came from Mr. Michelotti (ICZN Code Art. 32.5). — Current status: the Pliocene *Cardilia michellotii* Deshayes, 1844 (Monegatti & Raffi 2001: 186; Signorelli & Raven 2018: 138; Pimentel *et al.* 2019).

#### Family MESODESMATIDAE J. E. Gray, 1840

##### NOTES

See authorship discussion under Mactridae. *Caecella* is an incorrect subsequent spelling of *Coecella* J. E. Gray, 1853.

*Mesodesma* – Deshayes, 1832-EncyMeth: 441-445; 1835-HistNatAnim2: 131-134; 1843-HistNatAnim3: 545-546; 1848-Algér: 386-411; 1850-TraitElem: 303-317. — Type species (SD Anton, 1838): *Maetra donacia* Lamarck, 1818. Placed on the Official List by ICZN Opinion 1141 (1979). — Current status: valid type genus of the Mesodesmatidae (Neveeskaja *et al.* 2013: 417, fig. 152-11).

*chemnitzii*, *Mesodesma* – Deshayes, 1832-EncyMeth: 443; HistNatAnim2: 134; 1843-HistNatAnim3: 546. — Type localities: Indian Ocean, Amboine & Pacific Ocean. — Type age: Recent. 1835-. — Current status: synonym of *Paphies australis* (Gmelin, 1791) [*Mya*] (Huber 2010a: 456; 2015: chapter 5 on CD).

*chinensis*, *Caecella* – Deshayes, 1855c: 334. — Type locality: China; Cuming coll. — Type age: Recent. — Type material: NHMUK 1968485, lectotype and 2 paralectotypes. Synonym of *Coecella horsfieldii* J. E. Gray, 1853 (De Rooij-Schuilting 1972: 62-66). — Current status: *Coecella chinensis* Deshayes, 1855 (Qi 2004: 273, pl. 150, fig. 1, as “*Caecella*” and as “1854”; Huber 2010a: 457; Matsukuma, in Okutani 2017: 1267, pl. 561, fig. 2; Lutaenko *et al.* 2021: 216, 263, pl. 14, figs A-D).

*convexa*, *Caecella* – Deshayes, 1855c: 334. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 1968486, 2 syntypes. Synonym of *Coecella horsfieldii* J. E. Gray, 1853 (De Rooij-Schuilting 1972: 62-66. — Current status: synonym of the south Asian *Coecella chinensis* Deshayes, 1855 (Huber 2010a: 457; 2015: chapter 5 on CD; Lutaenko *et al.* 2021: 216).

*cumingiana*, *Caecella* – Deshayes, 1855c: 334. — Type locality: Luzon, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1968484, 3 syntypes. — Current status: synonym of *Coecella horsfieldii* J. E. Gray, 1853 (De Rooij-Schuilting 1972: 62-66; Huber 2010a: 457; 2015: chapter 5 on CD).

*gaymardi*, *Mesodesma* – Deshayes, 1832-EncyMeth: 444. — Type locality: “New Zealand”; Mr. Gaymard [actually Gaimard, but his consistent misspelling has to stand]. — Type age: Recent. — Type material: MNHN-IM-2000-38631, holotype. — Current status: synonym of the Australian *Atactodea cuneata* (Lamarck, 1818) [*Cras-satella*] (Beu & De Rooij-Schuilting 1982: 216, 218; Huber 2010a: 456; 2015: chapter 5 on CD).

*lata*, *Caecella* – Deshayes, 1855c: 334-335. — Type locality: China; Cuming coll. — Type age: Recent. — Type material: NHMUK 1968487, holotype. — Current status: synonym of *Coecella horsfieldii* J. E. Gray, 1853 (De Rooij-Schuilting 1972: 62-66). Synonym of *Coecella chinensis* Deshayes, 1855 (Huber 2010a: 457; 2015: chapter 5 on CD; Lutaenko *et al.*, 2021: 216).

*lata*, *Mesodesma* – Deshayes, 1843b: 1, pl. 80. — Type locality: none given. — Type age: Recent. — Type material: MNHN-IM-2000-35990, syntypes. Redescribed by Reeve (1854b: pl. 1, fig. 4, *ex* Deshayes ms), under the same name, Reeve evidently being unaware of Deshayes description a decade earlier. — Current status: synonym of the New Zealand *Paphies donacina* (Spengler, 1793) [*Mya*] (Beu & De Rooij-Schuilting 1982: 218, 222; Huber 2010a: 456; 2015: chapter 5 on CD).

*oblonga*, *Caecella* – Deshayes, 1855c: 335. — Type locality: China; Cuming coll. — Type age: Recent. — Type material: NHMUK 1968489, holotype. — Current status: synonym of *Coecella horsfieldii* J. E. Gray, 1853 (De Rooij-Schuilting 1972: 62-66; Huber 2010a: 457; 2015: chapter 5 on CD).

*quoyi*, *Mesodesma* – Deshayes, 1832-EncyMeth: 443; 1850-TraitElem: 314-315, 7, pl. 10, figs 13-14. — Type locality: New Zealand. — Type age: Recent. — Type material: MNHN-IM-2000-35989, 4 syntypes. — Current status: synonym of *Paphies donacina* (Spengler, 1793) [*Mya*] (Beu & De Rooij-Schuilting 1982: 218-222, figs 15-18; Huber 2010a: 456; 2015: chapter 5 on CD).

*tenuis*, *Caecella* – Deshayes, 1855c: 336. — Type locality: Bohol, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1968491, holotype. — Current status: synonym of *Coecella horsfieldii* J. E. Gray, 1853 (De Rooij-Schuilting 1972: 62-66; Huber 2010a: 457; 2015: chapter 5 on CD).

*transversalis*, *Caecella* – Deshayes, 1855c: 335. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 1968488, holotype. — Current status: synonym of *Coecella horsfieldii* J. E. Gray, 1853 (De Rooij-Schuilting 1972: 62-66; Huber 2010a: 457; 2015: chapter 5 on CD) from south Asia.

*trigona*, *Mesodesma* – Deshayes, 1832-EncyMeth: 444-445. — Type locality: Praslio, Australia; Mr. Lesson. — Type age: Recent. — Current status: synonym of *Atactodea striata* (Gmelin, 1791) [*Mactra*] (Huber 2010a: 456; 2015: chapter 5 on CD).

*turgida*, *Caecella* – Deshayes, 1855c: 333. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1968482, lectotype & paralectotype (latter now missing). Synonym of *Coecella horsfieldii* J. E. Gray, 1853 (De Rooij-Schuilting 1972: 62-66; Huber 2010a: 457; 2015: chapter 5 on CD). — Current status: synonym of *Coecella chinensis* Deshayes, 1855 (Qi 2004: 273, pl. 150, fig. 1, as “*Caecella*” and as “1854”). Oddly misrecorded by some authors as “*Cardium*” *turgida*, as noted by Hylleberg (2004: 818).

*zebuensis*, *Caecella* – Deshayes, 1855c: 334. — Type locality: Zebu, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1968483, lectotype and 2 paralectotypes. Synonym of *Coecella horsfieldii* J. E. Gray, 1853 (De Rooij-Schuilting 1972: 62-66). — Current status: synonym of *Coecella chinensis* Deshayes, 1855 (Oliver 1992: 134, pl. 28; Huber 2010a: 457; 2015: chapter 5 on CD; Lutaenko *et al.* 2021: 216).

*zelandica*, *Caecella* – Deshayes, 1855c: 335. — Type locality: “New Zealand”; Cuming coll. — Type age: Recent. — Type material: NHMUK 1968490, 2 syntypes. — Current status: synonym of the Asian *Coecella horsfieldii* J. E. Gray, 1853 (De Rooij-Schuilting 1972: 62-66; Huber 2010a: 457; 2015: chapter 5 on CD).

*angulus*, *Mesodesma* – Reeve, 1854b: pl. 4, fig. 22, *ex* Deshayes ms; Deshayes, 1855c: 337, as *M. angulum*. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1968495, 3 syntypes. — Current status: *Paphies angula* (Reeve, 1854) (Huber 2010a: 456).

*angusta*, *Mesodesma* – Reeve, 1854b: pl. 1, fig. 3, *ex* Deshayes ms; Deshayes, 1855c: 338. — Type locality: northern Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 1968508, 3 syntypes. — Current status: synonym of *Paphies elongata* (Reeve, 1854) (Huber 2010a: 456; 2015: chapter 5 on CD).

*crassula*, *Mesodesma* – Reeve, 1854b: pl. 4, fig. 26, *ex* Deshayes ms; Deshayes, 1855c: 336. No locality indicated [Philippine Islands]; Cuming coll. — Type age: Recent. — Type material: NHMUK 20230056, 3 syntypes. *Davila crassula* (“Deshayes”) (Ramakrishna & Dey 2010: 171). — Current status: synonym of *Davila plana* (Hanley, 1843) [*Mesodesma*] (Huber 2010a: 457; 2015: chapter 5 on CD).

*elongata*, *Mesodesma* – Reeve, 1854b: pl. 1, fig. 5, *ex* Deshayes ms. Deshayes, 1855c: 337. — Type locality: Torres Straits, Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 1968498, 4 syntypes. — Current status: *Paphies elongata* (Reeve, 1854) (Huber 2010a: 456).

*heterodon*, *Mesodesma* – Reeve, 1854b: pl. 2, fig. 13, *ex* Deshayes ms; Deshayes, 1855c: 337. — Type locality: [North-]Western Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 1968497, 3 syntypes. — Current status: *Atactodea heterodon* (Reeve, 1854) (Huber 2010a: 456).

*intermedia*, *Mesodesma* – Reeve, 1854b: pl. 3, fig. 17, *ex* Deshayes ms. — Type locality: none given; Cuming coll. — Type age: Re-



cent. — Type material: NHMUK 1968504, 2 syntypes. — Current status: synonym of *Atactodea striata* (Gmelin, 1791) [*Mactra*] (Huber 2010a: 456; 2015: chapter 5 on CD).

*lanceolata*, *Mesodesma* – Reeve, 1854b: pl. 4, fig. 25, *ex* Deshayes ms; Deshayes, 1855c: 337. — Type locality: Western Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 1968496, 3 syntypes. — Current status: synonym of the Chilean *Mesodesma donacium* (Lamarck, 1818) (Huber 2010a: 455 [not what was figured as Reeve's species on p. 457]; 2015: 837; Signorelli 2019: 94-96; Valentich-Scott *et al.* 2020: 303).

*layardi*, *Mesodesma* – Reeve, 1854b: pl. 4, fig. 30, *ex* Deshayes ms; Deshayes, 1855c: 339. — Type locality: Ceylon. — Type age: Recent. — Type material: NHMUK 1968503, 2 syntypes. — Current status: *Atactodea layardi* (Reeve, 1854) (Huber 2010a: 763).

*macrodon*, *Mesodesma* – Reeve, 1854b: pl. 4, fig. 23, *ex* Deshayes ms; Deshayes, 1855c: 339. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 1968501, 2 syntypes. — Current status: synonym of *Atactodea striata* (Gmelin, 1791) [*Mactra*] (Huber 2010a: 456; 2015: chapter 5 on CD).

*mactroides*, *Mesodesma* – Reeve, 1854b: pl. 3, fig. 15, *ex* Deshayes ms. “Australia”. Deshayes, 1855c: 336. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 1968493, 3 syntypes. — Type species (OD) of *Amarilladesma* Huber, 2010. — Current status: the South American *Amarilladesma mactroides* (Reeve, 1854) (Huber 2010a: 455, 762; Signorelli 2019: 100-101). See also E. Lamy (1912).

*mitis*, *Mesodesma* – Reeve, 1854b: pl. 4, fig. 29, *ex* Deshayes ms. No locality indicated; Deshayes, 1855c: 339. — Type locality: Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 1968502, 4 syntypes. — Current status: synonym of the Japanese *Atactodea striata* (Gmelin, 1791) [*Mactra*] (Huber 2010a: 456, 763).

*nitida*, *Mesodesma* – Reeve, 1854b: pl. 1, fig. 6, *ex* Deshayes ms; Deshayes, 1855c: 338. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 1968505, 2 syntypes. — Current status: synonym of *Paphies angusta* (Reeve, 1854) [*Mesodesma*] (Huber 2015: chapter 5 on CD).

*ovalis*, *Mesodesma* – Reeve, 1854b: pl. 1, fig. 7, *ex* Deshayes ms; Deshayes, 1855c: 336. — Type locality: New Zealand; Cuming coll. — Type age: Recent. — Type material: NHMUK 1968492, 3 syntypes. — Current status: synonym of *Paphies australis* (Gmelin, 1791) [*Mya*] (Huber 2010a: 456; 2015: chapter 5 on CD).

*praecisa*, *Mesodesma* – Reeve, 1854b: pl. 4, fig. 31, *ex* Deshayes ms. Deshayes, 1855c: 338. — Type locality: Van Diemen's Land [Tasmania], Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 1968499, 1 syntype. — Current status: synonym of *Atactodea cuneata* (Lamarck, 1818) [*Crassatella*] (Huber 2010a: 456; 2015: chapter 5 on CD).

*retusa*, *Mesodesma* – Reeve, 1854b: pl. 4, fig. 24, *ex* Deshayes ms; Deshayes, 1855c: 338-339. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 1968500, 1 syntype. — Current status: *Planktomya? retusa* (Reeve, 1854) (Huber 2010a: 762), but possibly incorrect (Signorelli, pers. comm., January 27, 2020: “hinge plate shows two teeth in the left valve.”).

*sulcata*, *Mesodesma* – Reeve, 1854b: pl. 4, fig. 27, *ex* Deshayes ms; Deshayes, 1855c: 339. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 2 syntypes. — Current status: synonym of *Atactodea striata* (Gmelin, 1791) [*Mactra*] (Huber 2010a: 456; 2015: chapter 5 on CD).

*transversa*, *Mesodesma* – Reeve, 1854b: pl. 1, fig. 2, *ex* Deshayes ms; Deshayes, 1855c: 336-337. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 1968494, 3 syntypes, labeled Philippine Islands. — Current status: synonym of *Donacilla cornea* (Poli, 1791) [*Mactra*] (Huber 2010a: 457, 763).

*glabrata*, *Mesodesma* – Deshayes, 1835-HistNatAnim2: 133; HistNatAnim3: 546. Deshayes credited himself with this name, but it was merely a transfer of *Mactra glabrata* Gmelin, 1791, *non* Linnaeus, 1767, to the genus *Mesodesma*, but lacking a reference to Gmelin. *Mactra glabrata* Linnaeus, 1767, is a species of *Mactra*. Gmelin's species is the type (OD) of *Atactodea* Dall, 1859; the valid name of its type species is now *Atactodea striata* (Gmelin, 1791) [*Mactra*].

#### Family SPHAERIIDAE Deshayes, 1855 [1820]

Sphaeriina – Deshayes, 1855d: 261. Origin of the family-level name Sphaeriidae Deshayes, 1855, as recognized by ICZN Opinions 1331 (1985) and 1957 (2000). It has priority over but takes precedence from the invalid Cycladidae Rafinesque, 1820.

*boissyi*, *Cyclas* – Deshayes, 1857-DescrCoqFoss: 34, pl. 34, figs 37-39; 1858-DescrCoqFoss: 521-522. — Type locality: Rilly-la-Montagne. — Type age: Paleocene (Thanetian). — Current status: *Pisidium boissyi* (Deshayes, 1857) (Le Renard & Pacaud 1995: 73).

*cardiolium*, *Pisidium* – Deshayes, 1857-DescrCoqFoss: 34, pl. 34, figs 26-29; 1858-DescrCoqFoss: 525. — Type localities: Châlons-sur-Vesle, Gueux & Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). 1858: 552. — Current status: *Eupera denainvilliersi* [Boissy, 1848] *cardiolium* (Deshayes, 1857) (Le Renard & Pacaud 1995: 73).

*dupoteti*, *Cyclas* – Deshayes, 1848-Algér: 156, pl. “76, figs 5-8”. — Type locality: Algeria. — Type age: Recent. *Nomen nudum*; plate never issued, and plate explanation lacks descriptive characters.

*indicum*, *Sphaerium* – Deshayes, 1855d: 265; 1855 (16 May): 342. — Type locality: India rivers; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1876b: pl. 1, fig. 8. — Current status: *Musculium indicum* (Deshayes, 1855) (Nesemann & Sharma 2005: 57, 62, 65, pl. 1, figs 3-4, pl. 4, fig. 1).

*laevigata*, *Cyclas* – Deshayes, 1824-DictClass5: 220, *non* Schumacher, 1817. — Type locality: Mont-Bernon (Epernay). — Type age: Eocene (Ypresian). 1825-DescrCoqFoss: 116, 9, pl. 18, figs 12-13. 1830b-EncyMeth: 36. 1858-DescrCoqFoss: 525, as *Pisidium*. *Cyclas sublaevigata* d'Orbigny, 1850b (d'Orbigny 1850b: 304, no. 134), replacement name. — Current status: *Eupera sublaevigata* (d'Orbigny, 1850) (Pacaud 2007: 64).

*lucassii*, *Cyclas* – Deshayes, 1846-Algér: 156, pl. “76, figs 13-16”. — Type locality: Algeria. — Type age: Recent. *Nomen nudum*; plate never issued, and plate explanation lacks descriptive characters.

*minutissima*, *Cyclas* – Deshayes, 1848-Algér: 156, pl. “76, figs 1-4”. — Type locality: Algeria. — Type age: Recent. *Nomen nudum*; plate never issued, and plate explanation lacks descriptive characters.

*novaezelandiae*, *Sphaerium* – Deshayes, 1855d: 272-273; 1855 (16 May): 342. — Type localities: New Zealand “& Australia”. — Type age: Recent. G. B. Sowerby II, 1876b: pl. 4, fig. 37. — Type material: NHMUK 1950.10.25.16-18, 3 syntypes from New Zealand. — Type species (OD) of *Zecycylas* Starobogatov, 1968, which is now regarded as a synonym of *Sphaerium* Scopoli, 1777. *Sphaerium* (*Sphaerinova*) *novaezelandiae* (Deshayes, 1855) (Powell, 1979: 422, fig. 112.2). — Current status: — Current status: *Sphaerium* (*Musculium*) *novaezelandiae* (Deshayes, 1855) (Lee & Foighil 2003: 249).

*parasiticum*, *Pisum* – Deshayes, 1855d: 280, ex Parreys ms. (*Pisum* Megerle, 1811, is regarded as a *nomen dubium* and *Pisidium* C. Pfeiffer, 1821, is now used.). — Type locality: Upper Nile. — Type age: Recent. — Type material: NHMUK 1841.4.29.22-82, syntypes. — Current status: synonym of *Eupera ferruginea* (Krauss, 1848) [*Cyclas*] (Daget 1998: 187).

#### Family TELLINIDAE Blainville, 1814

*Diodonta* – Deshayes, 1846-Algér: 145, pl. 68, non Hartmann, 1842 [Gastropoda]. Unavailable; in synonymy with *Fragilia* Deshayes, 1846.

*Fragilia* – Deshayes, 1846-Algér: 145, pl. 68, substitute name for *Diodonta*; 1848-Algér: 552-562, 145-146, pl. 68, figs 1-10, on pl. as *Diodonta*; 1850-TraitElem: 368-376. — Type species (M): *Tellina fragilis* Linnaeus, 1758. Deshayes introduced the name *Fragilia* as a substitute for *Diodonta* Deshayes, presumably realizing that the latter was a junior homonym. However, because his plates with the caption *Diodonta* had not yet appeared, the two names were published simultaneously. — Current status: Both are regarded as synonyms of *Gastrana* Schumacher, 1817.

*abbreviata*, *Tellina* – Deshayes, 1855c: 362. — Type locality: Ceylon; Cuming coll. — Type age: Recent. — Type material: NHMUK 20150592, holotype. — Current status: synonym of *Serratina resecta* (Deshayes, 1855) [*Tellina*] (Huber *et al.*, in Huber 2015: 181, 590).

*acutangula*, *Tellina* – Deshayes, 1857-DescrCoqFoss: 332, 25, pl. 25, fig. 18. — Type locality: Vendeuil (between La Fère & Saint-Quentin). — Type age: Eocene (Ypresian). — Current status: *Tellina (Tellinella) acutangula* Deshayes, 1857 (Le Renard & Pacaud 1995: 69).

*aequalis*, *Tellina* – Deshayes, 1855c: 358. Port Essington. — Type locality: Northern Territory, Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 20150599, 2 syntypes. — Preoccupies *Tellina aequalis* Gabb, 1869, which was renamed *Tellina leia* Salisbury, 1934. — Current status: *Tellinides aequalis* (Deshayes, 1855) (Huber *et al.*, in Huber 2015: 219, 640).

*altera*, *Tellina* – Deshayes, 1857-DescrCoqFoss: 338-339, 26, pl. 26, figs 8-11 [in text as figs 7-10]; 1865-DescrCoqFoss: 665 [error noted]. — Type locality: Houdan. — Type age: Eocene (Lutetian). — Current status: *Arcopagia (Bertinella) altera* (Deshayes, 1857) (Le Renard & Pacaud 1995: 69; Pacaud 2008: 92).

*amboynensis*, *Tellina* – Deshayes, 1855c: 366. — Type locality: “Amboyna” [Ambon Island], Indonesia; Cuming coll. — Type age: Recent. — Type material: NHMUK 20150601, 2 syntypes. — Current status: *Hanleyanus amboynensis* (Deshayes, 1855) (Huber *et al.*, in Huber 2015: 222-223, 647).

*amoena*, *Tellina* – Deshayes, 1855c: 369. — Type locality: China; Cuming coll. — Type age: Recent. — Type material: NHMUK 20150587, 2 syntypes. — Current status: synonym of *Tellinella tithonia* (Gould, 1850) [*Tellina*] (Huber *et al.*, in Huber 2015: 172, 576).

*attenuata*, *Tellina* – Deshayes, 1855c: 363. — Type locality: Port Essington, Northern Territory, Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 20150606, 1 syntype. — Current status: synonym of *Exotica cygnus* (Hanley, 1844) [*Tellina*] (Huber *et al.*, in Huber 2015: 240-241, 668).

*australis*, *Tellina* – Deshayes, 1855c: 362. — Type locality: Australia; Cuming coll. — Type age: Recent. — Current status: synonym of *Jitlada philippinarum* (Hanley, 1844) [*Tellina*] (Huber *et al.*, in Huber: 211, 623).

*barrandei*, *Tellina* – Deshayes, 1857-DescrCoqFoss: 344-345, 27, pl. 27, figs 18-20. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Type species (SD Crosse, 1887) of *Macaliopsis* Cossmann, 1886. *Arcopagia (Macaliopsis) barrandei* (Deshayes, 1857) (Glibert & Van de Poel 1967: 102; Glibert 1980: 27). — Current status: *Tellina (Macaliopsis) barrandei* Deshayes, 1857 (Le Renard & Pacaud 1995: 69; Pacaud 2008: 92).

*bernayi*, *Tellina (Arcopagia)* – Deshayes, 1857-DescrCoqFoss: 360, 27, pl. 27, figs 21-23. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Current status: *Tellina (Sinuospagia) bernayi* Deshayes, 1857 (Le Renard & Pacaud 1995: 70).

*beyrichi*, *Tellina* – Deshayes, 1857-DescrCoqFoss: 340, 26, pl. 26, figs 14-16. — Type localities: Vregny & Cuisse-la-Motte. — Type age: Eocene (Ypresian). — Type material: MNHN.F.J04154, syntype. — Current status: *Arcopagia (Bertinella) beyrichi* (Deshayes, 1857) (Glibert & Van de Poel 1967: 104; Le Renard & Pacaud 1995: 69).

*biangularis*, *Tellina* – Deshayes, 1824-DescrCoqFoss: 6, pl. 12, figs 1-2; 1825-DescrCoqFoss: 82; 1832-EncyMeth: 1019; 1835-HistNatAnim2: 213; 1839-HistNatAnim3: 571; 1857-DescrCoqFoss: 347-348. — Type localities: Parnes & Liancourt-Saint-Pierre. — Type age: Eocene (Lutetian). — Current status: *Tellina (Tellinella) biangularis* Deshayes, 1824 (Glibert & Van de Poel 1967: 88; Le Renard & Pacaud 1995: 69; Pacaud 2008: 92).

*brevirostris*, *Tellina* – Deshayes, 1855c: 362. — Type locality: Central America & “California” [Gulf of California]; Cuming coll. — Type age: Recent. — Type material: NHMUK 1057.7.15.3-4, lectotype & paralectotype. Not preoccupied by *Tellina brevisrostris* Oken, 1815, proposed in an invalid work; *Tellina brevicornuta* Salisbury, 1834, unnecessary replacement name. — Current status: *Tellina (Merisca) brevisrostris* (Deshayes, 1855) (Coan & Valentich-Scott 2012: 644), or *Serratina brevisrostris* (Deshayes, 1855) (Huber *et al.*, in Huber: 178, 586).

*brimonti*, *Tellina* – Deshayes, 1857-DescrCoqFoss: 335-336, 22, pl. 22, figs 18-21. — Type localities: Brimont & Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). — Current status: *Arcopagia (Bertinella) brimonti* (Deshayes, 1857) (Glibert & Van de Poel 1967: 105; Le Renard & Pacaud 1995: 69).

*bullula*, *Tellina* – Deshayes, 1857-DescrCoqFoss: 340-341, pl. 25, figs 25-27. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Arcopagia (Bertinella) bullula* (Deshayes, 1857) (Glibert & Van de Poel 1967: 105; Le Renard & Pacaud 1995: 69; Pacaud 2008: 92).

*callosa*, *Tellina* – Deshayes, 1855c: 361. — Type locality: Ceylon; Layard; Cuming coll. — Type age: Recent. — Type material: NHMUK 20150597, 3 syntypes. — Current status: synonym of *Alaona ala* (Hanley, 1845) [*Tellina*] (Huber *et al.*, in Huber 2015: 210, 621).

*castellanensis*, *Tellina* – Deshayes, 1857-DescrCoqFoss: 328. New species based on *Tellina rostralina* Deshayes, 1825, of Philippi, 1841 (p. 8). — Type locality: Kassel, Germany. — Type age: Oligocene (Chattian). — Current status: *taxon inquirendum*.

*clathrata*, *Tellina* – Deshayes, 1835-HistNatAnim2: 208-209, ex Quoy ms. — Type locality: Australia. — Type age: Recent. 1839-HistNatAnim3: 569. A new species based on *Tellina rhomboides* Quoy & Gaimard, 1835 (502, pl. 81, figs 4-7), probably because it was a junior homonym, non Gmelin, 1791, but not so stated. Preoccupies *Tellina clathrata* Reuss, 1844. — Current status: *Jactellina clathrata* (Deshayes, 1835) (Qi 2004: 286, pl. 156, fig. K; Huber *et al.* in Huber 2015: 237, 664; Boutet *et al.* 2020: 657; Lutaenko *et al.* 2021: 217).



*clausa*, *Tellina* – Deshayes, 1855c: 360. — Type locality: West Indies; Cuming coll. — Type age: Recent. — Current status: *Arcopagia clausa* (Deshayes, 1855).

*collustrata*, *Tellina* – Deshayes, 1857-*DescrCoqFoss*: 337-338, 25, pl. 25, figs 12-14. — Type localities: Parnes & Damery. — Type age: Eocene (Lutetian). — Current status: *Arcopagia (Bertinella) collustrata* (Deshayes, 1857) (Le Renard & Pacaud 1995: 69; Pacaud 2008: 92).

*compressa*, *Tellina* – Deshayes, 1855c: 358-359, *non* Brocchi, 1814. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, syntype. — Current status: *taxon inquirendum*.

*conformis*, *Tellina* – Deshayes, 1857-*DescrCoqFoss*: 344, 25, pl. 25, figs 7-8. — Type locality: Caumont. — Type age: Eocene (Bartonian). — Current status: synonym of *Tellina (Moera) parilis* Deshayes, 1857 (Cossmann 1886a: 74).

*contabulata*, *Tellina* – Deshayes, 1855c: 356. — Type locality: China; Cuming coll. — Type age: Recent. — Type material: NHMUK 1996473, 2 syntypes. — Current status: *Macoma contabulata* (Deshayes, 1855) (Kantor & Sysoev 2005: 358; Matsukuma, in Okutani 2017: 1257, pl. 551, fig. 16). *Limecola contabulata* (Deshayes, 1855) (Huber *et al.*, in Huber 2015: 290, 739).

*contorta*, *Tellina* – Deshayes, 1855c: 359. — Type locality: none given [clarified as being Port Curtis, Queensland, Australia (Huber *et al.*, in Huber 2015)]; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 3 syntype valves. — Current status: *Leporimetis contorta* (Deshayes, 1855) (Huber *et al.*, in Huber 2015: 276, 714-715).

*controversa*, *Tellina* – Deshayes, 1857-*DescrCoqFoss*: 328. New species based on *Tellina distorta* Poli, 1791, of Philippi (1841: 8, 46). — Type locality: Kassel, Germany. — Type age: Oligocene (Chattian). — Current status: *taxon inquirendum*.

*crassula*, *Tellina* – Deshayes, 1855c: 354. — Type locality: Northern Ocean [probably northwest Atlantic]; Cuming coll. — Type age: Recent. — Current status: *Macoma crassula* (Deshayes, 1855) (Coan *et al.* 2000: 405, 409; Kantor & Sysoev 2005: 358-359; Huber *et al.*, in Huber 2015: 743).

*decolorata*, *Tellina* – Deshayes, 1855c: 370. — Type locality: Moluccas; Cuming coll. — Type age: Recent. — Type material: NHMUK 20150590, 1 syntype. — Current status: synonym of *Tellinella tithonia* (Gould, 1850) [*Tellina*] (Huber *et al.*, in Huber 2015: 172, 576).

*delicatula*, *Tellina* – Deshayes, 1855c: 363. — Type locality: Mazatlan, Mexico; Cuming coll. — Type age: Recent. — Type material: NHMUK 1957.7.15.2, holotype. Preoccupies the Chilean Tertiary *Tellina delicatula* Philippi, 1887 (Coan & Kabat 2017: 85). — Current status: synonym of *Oudardia virgo* (Hanley, 1844) [*Tellina*] (Coan & Valentich-Scott 2012: 656; Huber *et al.*, in Huber 2015: 235-236, 661).

*denticulata*, *Tellina* – Deshayes, 1855c: 365. — Type locality: none given; Cuming coll. — Type age: Recent. — Current status: synonym of the Indo-Pacific *Serratina capsoides* (Lamarck, 1818) [*Tellina*] (Huber *et al.*, in Huber 2015: 178, 740).

*denudata*, *Tellina* – Deshayes, 1857-*DescrCoqFoss*: 355, 27, pl. 27, figs 12-14. — Type locality: Cuisse-la-Motte. — Type age: Eocene (Ypresian). *Arcopagia (Bertinella) denudata* (Deshayes, 1857) (Glibert & Van de Poel 1967: 106). — Current status: synonym of *Arcopagia (Bertinella) oceani* (d'Orbigny, 1850) [*Tellina*] (Pacaud 2007: 63).

*dialeuca*, *Tellina* – Deshayes, 1855c: 368. — Type locality: Pedang, [Indonesia]; Cuming coll. — Type age: Recent. — Type material:

NHMUK 20150593, 1 syntype valve. — Current status: *Pharaonella dialeuca* (Deshayes, 1855) (Huber *et al.*, in Huber 2015: 600).

*diaphana*, *Tellina* – Deshayes, 1855c: 364-365. — Type locality: Japan; Cuming coll. — Type age: Recent. — Type material: NHMUK 1996474, 2 specimens, larger specimen designated lectotype by Huber *et al.*, in Huber (2015). — Current status: *Tellina (Pristis) diaphana* Deshayes, 1855 (Poppe & Langleit, in Poppe 2011: 238, pl. 1159, figs 4-5), or *Serratina diaphana* (Deshayes, 1855) (Huber *et al.*, in Huber 2015: 570, 588), or *Pistris diaphana* (Deshayes, 1855) (Matsukuma, in Okutani 2017: 1253, pl. 549, fig. 4).

*diemenensis*, *Tellina* – Deshayes, 1855c: 361. — Type locality: Tasmania; Cuming coll. — Type age: Recent. — Type material: NHMUK 197545, syntype valve. — Current status: synonym of *Macomona deltoidalis* (Lamarck, 1818) [*Tellina*] (Ponder 1975: 112-114, pl. 9, figs 1-11; Huber *et al.*, in Huber 2015: 209, chapter 5 on CD).

*dilatata*, *Tellina* – Deshayes, 1855c: 359, *non* Girard, 1843. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, syntype pair, labeled “Sitka, Russia”. — Current status: older name for the northeastern Pacific *Macoma brota* Dall, 1916, itself a replacement for *Tellina edentula* Broderip & G. B. Sowerby I, 1829, *non* Spengler, 1798. Fortunately, Deshayes’ name was a junior homonym and thus becomes a synonym.

*disculus*, *Tellina* – Deshayes, 1855c: 360. — Type locality: New Zealand; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 2 syntype pairs. — Type species (OD) of *Zearacopagia* Finlay, 1926, now regarded as a synonym of *Pseudarcopagia Bertin*, 1878. — Current status: *Pseudarcopagia disculus* (Deshayes, 1855) (Powell 1979: 418, pl. 76, fig. 7, as *Zearacopagia*; Huber *et al.*, in Huber 2015: 262, 698).

*dissimilis*, *Tellina* – Deshayes, 1855c: 370. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 20150586, 3 syntypes. — Current status: the Chinese *Pharaonella dissimilis* (Deshayes, 1855) (Qi 2004: 278, pl. 153, fig. B, as “1854”), or *Tellinella dissimilis* (Deshayes, 1855) (Huber *et al.*, in Huber 2015: 171, 574-575).

*distans*, *Tellina* – Deshayes, 1857-*DescrCoqFoss*: 357, 21, pl. 21, figs 13-15. — Type localities: Mouchy-le-Châtel, Parnes, Chaussy & Fontenay-Saint-Père. — Type age: Eocene (Lutetian). — Current status: *Arcopagiopsis distans* (Deshayes, 1857) (Le Renard & Pacaud 1995: 70; Pacaud 2008: 92).

*donaciformis*, *Tellina* – Deshayes, 1855c: 357, *non* Nyst, 1835. — Type locality: Torres Straits, Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK, 20230057, 2 syntypes. — Current status: *Tellina (Exotica) donaciformis* Deshayes, 1855 (Poppe & Langleit, in Poppe 2011: 326, pl. 1158, figs 7-8), or synonym of *Sylvanus lilium* (Hanley, 1844) [*Tellina*] (Huber *et al.*, in Huber 2015: 286-287, 733).

*dubia*, *Tellina* – Deshayes, 1855c: 371. — Type locality: none given [clarified as Aden (Huber *et al.*, in Huber, 2015)]; Cuming coll. — Type age: Recent. — Type material: NHMUK 20060669, syntype pair. — Current status: the Red Sea *Macomopsis dubia* (Deshayes, 1855) (Rusmore-Villaume 2008: 256; Huber *et al.*, in Huber 2015: 280, 724).

*edwardsi*, *Tellina* – Deshayes, 1857-*DescrCoqFoss*: 339, 26, pl. 26, figs 23-25. — Type localities: Bracheux, Cuisy-en-Almont, Cœuvres-et-Valsery, Cuisse-la-Motte & Laon. — Type age: Eocene (Thanetian-Ypresian). — Current status: *Arcopagia (Bertinella) edwardsi* (Deshayes, 1857) (Glibert & Van de Poel 1967: 106; Le Renard & Pacaud 1995: 69).

*egregia*, *Tellina* – Deshayes, 1855c: 366. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 20150594.1-3, lectotype and 2 paralectotypes. — Current status: synonym of the Indo-Pacific *Tonganaella tongana* (Quoy & Gaimard, 1835) (Huber *et al.*, in Huber 2015: 190-191, 602).

*elegans*, *Erycina* – Deshayes, 1824-*DescrCoqFoss*: 42, 3, pl. 6, figs 13-15; 1824-*DictClass6*: 189; 1830b-*EncyMeth*: 118; 1835-*HistNatAnim2*: 119; 1839-*HistNatAnim3*: 542; 1857-*DescrCoqFoss*: 355. — Type locality: Valmondois. — Type age: Eocene (Bartonian). d'Orbigny (1850b: 380, no. 841), decided that Deshayes' *Erycina* actually belonged in *Venus*, making it a junior secondary homonym of *Venus elegans* (J. de C. Sowerby, 1823) [*Cytherea*] (d'Orbigny, 1850b: 379, no. 827), and renamed it *Venus subelegans* d'Orbigny, 1850. Deshayes (1857-*DescrCoqFoss*: 355) instead thought it was a *Tellina* and proposed a replacement name, *Tellina mutata*, because *Tellina elegans* would be a junior primary homonym of his other own *Tellina elegans* (see the following entry). *Strigilla* (*Cyclotellina*) *subelegans* (d'Orbigny, 1850) (Glibert & Van de Poel 1967: 111). — Current status: *Tellina* (*Cyclotellina*) *subelegans* (d'Orbigny, 1850) (Le Renard & Pacaud 1995: 70; Pacaud 2007: 63), with *Tellina mutata* Deshayes, 1857, a synonym.

*elegans*, *Tellina* – Deshayes, 1824-*DescrCoqFoss*: 78-79, 6, pl. 11, figs 7-8; 1835-*HistNatAnim2*: 212; 1839-*HistNatAnim3*: 571; 1857-*DescrCoqFoss*: 342-343. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). 1832-*EncyMeth*: 1017-1018. *Tellina elegans* Deshayes, 1824, of Basterot 1825 (p. 85, pl. 5, fig. 8), *non* Deshayes, 1824, was named *Arcopagia subelegans* d'Orbigny, 1852. — Current status: *Arcopagia* (*Bertinella*) *elegans* (Deshayes, 1824) (Glibert & Van de Poel 1967: 106; Le Renard & Pacaud 1995: 69; Pacaud 2008: 92).

*erycinella*, *Tellina* – Deshayes, 1857-*DescrCoqFoss*: 357, 25, pl. 25, figs 9-11, unnecessary additional replacement name for *Tellina tenuistria* (Deshayes, 1824) [*Erycina*] (see below), *non* *Tellina tenuistria* Deshayes, 1824, which had already been renamed as *Tellina subtenuistria* d'Orbigny, 1850. — Current status: *Arcopagiopsis subtenuistria* (d'Orbigny, 1850) (Pacaud 2007: 63).

*erycinoides*, *Tellina* – Deshayes, 1824-*DescrCoqFoss*: 78, 6, pl. 11, figs 11-12; 1832-*EncyMeth*: 1017; 1857-*DescrCoqFoss*: 342. — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Arcopagia* (*Bertinella*) *erycinoides* (Deshayes, 1824) (Glibert & Van de Poel 1967: 106; Le Renard & Pacaud 1995: 69; Pacaud 2008: 92).

*exclusa*, *Tellina* – Deshayes, 1857-*DescrCoqFoss*: 333-334. — Type localities: Cuise-la-Motte, Aizy-Jouy, Mercin-et-Vaux, Thiverval-Grignon, Parnes, Mouchy-le-Châtel, Damery, Brasles, Chaussy, Les Groux, Chaumont-en-Vexin, Ver-sur-Launette, Beauval, Le Mesnil-Aubry, Le Guépelle, Auvers-sur-Oise, Beauchamp & La Ferté-sous-Jouarre. — Type age: Eocene (Ypresian-Lutetian-Bartonian). — Current status: synonym of *Tellina* (*Elliptotellina*) *tellinella* (Lamarck, 1805) [*Donax*] (Cossmann 1886a: 70), the type species (OD) of *Elliptotellina* Cossmann, 1886.

*fabagella*, *Tellina* – Deshayes, 1855c: 355. — Type locality: Luzon, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 20150608, 3 syntypes. — Current status: synonym of *Cadella semen* (Haney, 1845) [*Tellina*] (Huber *et al.*, in Huber 2015: 252, chapter 5 on CD).

*flammula*, *Tellina* – Deshayes, 1855c: 367-368. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 20150585, 3 syntypes. — Current status: synonym of the Indo-Pacific *Tellinella crucigera* (Lamarck, 1818) [*Tellina*] (Huber *et al.*, in Huber 2015: 170, 575).

*glabrella*, *Tellina* – Deshayes, 1855c: 366, *non* Delle Chiaje, 1830. — Type locality: New Zealand; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 1 syntype pair. Listed by Petit (2009: 118) as a G. B. Sowerby, II, 1868 (pl. 50, fig. 296) species. — Current status: *Bartchicoma edgari* (Iredale, 1915) [p. 489; *Macoma*], replacement name (Huber *et al.*, in Huber 2015: 206, 617, without mention of Deshayes' species).

*grata*, *Tellina* – Deshayes, 1855c: 369-370. — Type locality: "Amboyna" [Ambon Island], Indonesia; Cuming coll. — Type age: Recent. — Type material: NHMUK 20150584, 1 syntype. — Current status: synonym of *Tellinella tithonia* (Gould, 1850) [*Tellina*] (Huber *et al.*, in Huber 2015: 172, 576).

*gratiosa*, *Tellina* – Deshayes, 1855c: 369. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 20150588, 3 syntypes. — Current status: synonym of *Tellinella crucigera* (Lamarck, 1818) [*Tellina*] (Huber *et al.*, in Huber 2015: 170, 575).

*heberti*, *Tellina* (*Arcopagia*) – Deshayes, 1857-*DescrCoqFoss*: 361-362, 25, pl. 25, figs 22-24. — Type localities: Jeurre, Etréchy, Morigny-Champigny. — Type age: Oligocene (Rupelian). Délémont, Switzerland. — Type material: MNHN.F.J03345, syntype. — Current status: *Arcopagia heberti* (Deshayes, 1857) (Glibert & Van de Poel 1967: 109; Lozouet & Maestrati 2012a: 258, 260, fig. 165: 9-12).

*hyalina*, *Tellina* – Deshayes, 1835b: 93, pl. 18, figs 12-14, *non* Gmelin, 1791, *nec* Spengler, 1794. — Type locality: Peloponnese Peninsula, Greece. — Type age: Recent. — Current status: synonym of *Macomangulus tenuis* (da Costa, 1778) [*Tellina*] (Kantor & Syssoev 2005: 361; Sabelli *et al.* 1990: 316).

*hybrida*, *Tellina* – Deshayes, 1857-*DescrCoqFoss*: 349-350, 26, figs 7, 12-13, as *T. "substriata"*, pl. 26, figs 5-7, 12-13; 1865-*DescrCoqFoss*: 666 [correction made]. — Type localities: Mercin-et-Vaux, Lavarsine, Cuisy-en-Almont, Tossemont, Voregny, Aizy-Jouy & Retheuil. — Type age: Eocene (Ypresian). *Arcopagia* (*Bertinella*) *hybrida* (Deshayes, 1857) (Glibert & Van de Poel 1967: 107). — Current status: synonym of *Arcopagia* (*Bertinella*) *cuisensis* (d'Orbigny, 1850) (Le Renard & Pacaud 1995: 70; Pacaud 2007: 63).

*idonea*, *Tellina* – Deshayes, 1857-*DescrCoqFoss*: 350, 27, pl. 27, figs 3-5. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Arcopagia* (*Bertinella*) *idonea* (Deshayes, 1857) (Le Renard & Pacaud 1995: 70).

*incerta*, *Tellina* – Deshayes, 1855c: 367, *non* F. A. Roemer, 1836, *ex* Thurmann ms. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1996475, 2 syntypes. — Current status: *Tellina* (*Tellinella*) *incerta* Deshayes, 1855 (Poppe & Langleit, in Poppe 2011: 316, pl. 1153, figs 1-2), or synonym of *Tellinella cruciata* (Spengler, 1798) [*Tellina*] (Huber *et al.*, in Huber 2015: 170, 574).

*inquinata*, *Tellina* – Deshayes, 1855c: 357-358. — Type locality: [British] Columbia, Canada; Cuming coll. — Type age: Recent. — Type material: NHMUK 1841.3.9.27, lectotype. — Current status: *Macoma inquinata* (Deshayes, 1855) (Coan *et al.* 2000: 419; Huber *et al.*, in Huber 2015: 294, 743).

*japonica*, *Tellina* – Deshayes, 1855c: 356, *non* Thunberg, 1815. — Type locality: Japan; Cuming coll. — Type age: Recent. — Type material: NHMUK 1996476, 2 syntypes. — Current status: synonym of *Rexithaerus sector* (Oyama, 1950) [*Macoma*] (Huber *et al.*, in Huber 2015: 292, 740).

*lamarckii*, *Sanguinolaria* – Deshayes, 1824-*DescrCoqFoss*: 73, 6, pl. 10, figs 15-19; 1832-*EncyMeth*: 926; 1857-*DescrCoqFoss*: 353, as *Tellina lamarckii*. — Type locality: Azy-en-Multien. — Type age: Eocene (Bartonian). — Current status: *Tellina* (*Homalina*) *lamarckii* (Deshayes, 1824) (Glibert & Van de Poel 1967: 98; Le Renard & Pacaud 1995: 70).



*lamellosa*, *Tellina* – Deshayes, 1824-*DescrCoqFoss*: pl. 12, 6, figs 3-4; 1825-*DescrCoqFoss*: 81; 1832-*EncyMeth*: 1019; 1835-*HistNatAnim2*: 213; 1839-*HistNatAnim3*: 571; 1857-*DescrCoqFoss*: 353. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Current status: *Tellina* (*Cyclotellina*) *lamellosa* Deshayes, 1824 (Le Renard & Pacaud 1995: 70).

*laudunensis*, *Fragilia* “?” – Deshayes, 1857-*DescrCoqFoss*: 322, 22, pl. 22, figs 26-28. — Type locality: Laon. — Type age: Eocene (Ypresian). — Current status: *Tellina* (*Gastranopsis*) *laudunensis* (Deshayes, 1857) (Le Renard & Pacaud 1995: 69).

*layardi*, *Tellina* – Deshayes, 1855c: 357. — Type locality: Ceylon; Cuming coll. — Type age: Recent. — Type material: NHMUK 20140652, 1 syntype. — Current status: synonym of *Omala acuminata* (Hanley, 1843) [*Tellinides*] (Huber *et al.*, in Huber 2015: 205, 615).

*leda*, *Tellina* – Deshayes, 1855c: 364. — Type locality: Malacca; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 1 syntype pair. — Current status: possibly *Cadella leda* (Deshayes, 1855) (Huber *et al.*, in Huber 2015: 684).

*ligamentina*, *Tellina* – Deshayes, 1843b: 2, pl. 81. — Type locality: none given. — Type age: Recent. — Current status: synonym of the northeastern Pacific *Rexithaerus secta* (Conrad, 1837) [*Tellina*] (Coan & Valentich-Scott 2012: 608-609).

*lucida*, *Tellina* – Deshayes, 1848-*Algér*: 551-552, 146, pl. 69, figs 4-6. — Type locality: Bône [Annaba], Algeria. — Type age: Recent. — Current status: synonym of *Macomangulus tenuis* (da Costa, 1778) [*Tellina*] (Huber *et al.*, in Huber 2015: 657).

*lucinalis*, *Tellina* – Deshayes, 1825-*DescrCoqFoss*: 85, 7, pl. 13, figs 7-8; 1832-*EncyMeth*: 1020; 1835-*HistNatAnim2*: 214; 1839-*HistNatAnim3*: 571; 1857-*DescrCoqFoss*: 360, as *Tellina* (*Arcopagia*). — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Current status: synonym of *Tellina* (*Sinuosipagia*) *subrotunda* Deshayes, 1825 (Cossmann 1886a: 83).

*lunula*, *Tellina* – Deshayes, 1825-*DescrCoqFoss*: 6. Error for *Tellina lunulata* (Lamarck, 1805) [*Donax*], the type species (OD) of *Cyclotellina* Cossmann, 1886.

*mazatlanica*, *Tellina* – Deshayes, 1855c: 359-360. — Type locality: Mazatlan, Mexico; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 1 syntype pair. — Current status: synonym of *Psammotreta pura* (Gould, 1853) [*Tellina*] (Coan & Valentich-Scott 2012: 614; Huber *et al.*, in Huber 2015: 720).

*minima*, *Tellina* – Deshayes, 1857-*DescrCoqFoss*: 351, 21, pl. 21, figs 19-20. — Type localities: Liancourt-Saint-Pierre & Parnes. — Type age: Eocene (Lutetian). Not preoccupied by *Tellina minima* Studer, in Coxe, 1789, a *nomen nudum*. *Arcopagia* (*Arcopagiopsis*) *minima* (Deshayes, 1857) (Glibert & Van de Poel 1967: 104). — Current status: *Arcopagiopsis minima* (Deshayes, 1857) (Le Renard & Pacaud 1995: 70; Pacaud 2008: 92).

*minuta*, *Tellina* – Deshayes, 1857-*DescrCoqFoss*: 358, 21, pl. 21, figs 7-9. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). *Tellina microphylla* Bayan, 1873a (Bayan 1873a: 119), was introduced as a replacement for *Tellina minuta* Deshayes, 1857, *non Tellinites minutus* von Schlotheim, 1820, but it was unnecessary; there is no primary homonymy. *Arcopagiopsis minima* [Deshayes, 1857] *microphylla* (Bayan, 1873) (Le Renard & Pacaud 1995: 70). — Current status: *Arcopagiopsis minuta* (Deshayes, 1857) (Pacaud 2008: 92).

*mitis*, *Tellina* – Deshayes, 1857-*DescrCoqFoss*: 358-359, 21, pl. 21, figs 10-12. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: synonym of *Arcopagiopsis subtenuistria* (d’Orbigny, 1850) (Pacaud 2007: 63).

*mixta*, *Tellina* (*Arcopagia*) – Deshayes, 1857-*DescrCoqFoss*: 362, 27, pl. 27, figs 15-17. — Type localities: Jeurre, Etréchy & Morigny-Champigny. — Type age: Oligocene (Rupelian). — Type material: MNHN.F.J04137, syntype. — Current status: synonym of *Arcopagia heberti* (Deshayes, 1857) (Pacaud *herein*).

*moesta*, *Tellina* – Deshayes, 1855c: 361. — Type locality: Northern Ocean; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 1 syntype pair. — Current status: *Macoma moesta* (Deshayes, 1855) (Coan *et al.* 2000: 411-412; Kantor & Sysoev 2005: 359; Huber *et al.*, in Huber 2015: 295; Matsukuma, in Okutani 2017: 1257, pl. 552, fig. 3).

*moretonensis*, *Tellina* – Deshayes, 1855c: 355. — Type locality: Moreton Bay, Queensland, Australia; Cuming coll. — Type age: Recent. — Current status: synonym of *Sylvanus lilium* (Hanley, 1844) [*Tellina*] (Huber *et al.*, in Huber 2015: 286-287, 733).

*mutata*, *Tellina*; see: *elegans*, *Erycina*, above in Tellinidae.

*nitens*, *Tellina* – Deshayes, 1855c: 358, *non* C. B. Adams, 1845. Ticao. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 20060798, 1 syntype pair. — Current status: synonym of *Nitidotellina unifasciata* (G. B. Sowerby II, 1867) (Huber *et al.*, in Huber 2015: 227, 652).

*nucleolus*, *Tellina* – Deshayes, 1855c: 355. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 20150609, holotype. — Current status: the Indo-Pacific *Cadella nucleolus* (Deshayes, 1855) (Huber *et al.*, in Huber 2015: 252, 683; Lutaenko *et al.* 2021: 218).

*nitidula*, *Tellina* (*Arcopagia*) – Deshayes, 1857-*DescrCoqFoss*: 363, 21, pl. 21, figs 21-23, *non* Dunker, 1860. — Type localities: Auvers-sur-Oise & Valmondois. — Type age: Eocene (Bartonian). *Tellina parisiensis* Salisbury, 1934 (Salisbury 1934: 85), unnecessary replacement name in that he misdated Deshayes’ species as being 1860. — Current status: *Tellina* (*Sinuosipagia*) *nitidula* Deshayes, 1857 (Le Renard & Pacaud 1995: 70, as “*T. parisiensis*”).

*nystii*, *Tellina* – Deshayes, 1857-*DescrCoqFoss*: 336-337, 25, pl. 25, figs 5-6. — Type localities: Jeurre, Etréchy & Morigny-Champigny. — Type age: Oligocene (Rupelian). Germany at Kaufungen near Kassel, Weinheim; Switzerland at Délémont. *Tellina* (*Peronea*) *benedeni* [Nyst & Westendorp, 1839] *nystii* Deshayes, 1857 (Glibert & Van de Poel 1967: 100). *Tellina* (*Lacolina*) *benedeni* [Nyst & Westendorp, 1839] *nystii* Deshayes, 1857 (R. Janssen 1979: 110-111). *Angulus* (*Peronea*) *benedeni* [Nyst & Westendorp, 1839] *nystii* (Deshayes, 1857) (Marquet *et al.* 2008: 21-22, pl. 3, fig. 5). — Current status: *Tellina nystii* Deshayes, 1857 (Lozouet & Maestrati 2012a: 258, 260, fig. 165: 1-4).

*obesa*, *Tellina* – Deshayes, 1855c: 354. — Type locality: “China”; Cuming coll. — Type age: Recent. — Type material: NHMUK 1982027, 2 syntypes. — Current status: The Panamic *Leporimetis obesa* (Deshayes, 1855) (Coan *et al.* 2000: 420; Coan & Valentich-Scott 2012: 617; Huber *et al.*, in Huber 2015: 276).

*obliquaria*, *Tellina* – Deshayes, 1855c: 356-357. — Type locality: Pacific Ocean; Cuming coll. — Type age: Recent. — Type material: NHMUK 20150603, 5 syntypes. — Type species (OD) of *Jactellina* Iredale, 1929. — Current status: the south Pacific *Jactellina obliquaria* (Deshayes, 1855) (Huber *et al.*, in Huber 2015: 236-237, 662-663; Boutet *et al.* 2020: 657).

*obtusalis*, *Tellina* – Deshayes, 1855c: 355-356. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 6 pairs, 2 valves, syntypes. — Current status: the south Asian *Cadella obtusalis* (Deshayes, 1855) (Huber *et al.*, in Huber 2015: 684).

*ornata*, *Tellina* – Deshayes, 1855c: 370. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 20150591, 2 syntypes. — Current status: synonym of the Indo-Pacific *Tellinella crucigera* (Lamarck, 1818) [*Tellina*] (Huber *et al.*, in Huber 2015: 170, 575).

*ovalina*, *Tellina* (*Arcopagia*) – Deshayes, 1857-*DescrCoqFoss*: 364, 21, pl. 21, figs 29-32. — Type localities: Cuise-la-Motte & Cuisyen-Àlmont. — Type age: Eocene (Ypresian). — Current status: synonym of *Tellina* (*Sinuosipagia*) *lamottensis* (d'Orbigny, 1850) (Pacaud 2008: 63, fig. 3E).

*ovalis*, *Solen* – Deshayes, 1824-*DescrCoqFoss*: 28-29, 2, pl. 2, figs 26-27. — Type localities: Maulette, Mouchy-le-Châtel. — Type age: Eocene (Lutetian). 1832-*EncyMeth*: 963. Deshayes evidently concluded that this species was actually a *Tellina* and would then be a homonym, though senior, of *Tellina ovalis* S. Woodward, 1833. As a result, he used the replacement name *Tellina pellicula* in 1857, although his 1824 species should stand. — Current status: *Angulus* (*Lamyella*) *ovalis* (Deshayes, 1824) (see references below under *pellicula*, *Tellina*).

*parilis*, *Tellina* – Deshayes, 1857-*DescrCoqFoss*: 343-344, 27, pl. 27, figs 6-7. — Type localities: Beauchamp, Jaignes, Caumont, La Chapelle-en-Serval, Valmondois, Mortefontaine & Damery. — Type age: Eocene (Bartonian). Preoccupies *Tellina parilis* Gabb, 1864, which was renamed *Tellina gabbi* (Cossmann, 1886a: 74, note 1). — Current status: *Arcopagia* (*Bertinella*) *parilis* (Deshayes, 1857) (Glibert & Van de Poel 1967: 107; Le Renard & Pacaud 1995: 69; Pacaud 2008: 92).

*pellicula*, *Tellina* – Deshayes, 1857-*DescrCoqFoss*: 352-353. — Type localities: Thiverval-Grignon, Houdan, Parnes, Damery, Fleury-la-Rivière, Chamery, Mouchy-le-Châtel, Montmirail, Chaumont-en-Vexin, Gomerfontaine, Acy-en-Multien, Le Guépelle & Mary-sur-Marne. — Type age: Eocene (Lutetian-Bartonian). Proposed as a replacement name for *Tellina ovalis* (Deshayes, 1824) [*Solen*] without specifying the supposed senior homonym in *Tellina*. — Type species (OD) of *Lamyella* Glibert & Van de Poel, 1967. *Angulus* (*Lamyella*) *pelliculus* (Deshayes, 1857) (Glibert & Van de Poel 1967: 93; Le Renard & Pacaud 1995: 70; Pacaud 2008: 92). However, this replacement name was unnecessary. — Current status: *Angulus* (*Lamyella*) *ovalis* (Deshayes, 1824) (see above).

*petalina*, *Tellina* – Deshayes, 1855c: 367. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 1 syntype valve. — Current status: synonym of the Indo-Pacific *Tellinella cruciata* (Spengler, 1798) [*Tellina*] (Huber *et al.*, in Huber 2015: 170, 574).

*pretiosa*, *Tellina* – Deshayes, 1855c: 360, *non* Eichwald, 1830. — Type localities: Philippine Islands & Sumatra; Cuming coll. — Type age: Recent. — Type material: NHMUK 1996481, 6 syntype valves. — Type species (M) of *Clathrotellina* Thiele, 1934. *Tellina pretium* Salisbury, 1934 (Salisbury 1934: 86), replacement name. — Current status: *Clathrotellina pretium* (Salisbury, 1934) (Huber *et al.*, in Huber 2015: 699).

*pustula*, *Tellina* – Deshayes, 1825-*DescrCoqFoss*: 85, 7, pl. 13, figs 9-11; 1832-*EncyMeth*: 1020-1021; 1857-*DescrCoqFoss*: 356-357. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Type species (SD Crosse, 1887) of *Arcopagiopsis* Cossmann, 1886. *Arcopagia* (*Arcopagiopsis*) *pustula* (Deshayes, 1825) (Glibert & Van de Poel 1967: 104). — Current status: *Arcopagiopsis pustula* (Deshayes, 1825) (Le Renard & Pacaud 1995: 70; Pacaud 2008: 92, both as “1857”; Neveeskaja *et al.* 2013: 375, fig. 137-9).

*radians*, *Tellina* – Deshayes, 1855c: 366-367. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 1996478, holotype. — Current status: the Indo-Pacific

*Pristipagia radians* (Deshayes, 1855) (Poppe & Langleit, in Poppe 2011: 318, pl. 1154, fig. 1, as *Tellina* (*Tellinella*) *radians* (Deshayes, 1855); Huber *et al.*, in Huber 2015: 183, 593-594; Matsukuma, in Okutani 2017: 1252, pl. 527, fig. 5, as *Tellinella*; Poppe 2018: 200, as *Pistripagia radians* (Deshayes, 1855).

*raulini*, *Tellina* – Deshayes, 1857-*DescrCoqFoss*: 347, 25, pl. 25, figs 1-4. — Type localities: Jeurre & Morigny-Champigny. — Type age: Oligocene (Rupelian). — Current status: *Tellinella raulini* (Deshayes, 1857) (Lozouet & Maestrati 2012a: 258, 260, fig. 165: 5-8).

*recurva*, *Tellina* – Deshayes, 1855c: 361. Australia; Cuming coll. — Type age: Recent. — Current status: *nomen dubium* (Hedley 1913: 272; Huber 2015: chapter 5 on CD).

*resecta*, *Tellina* – Deshayes, 1855c: 364. — Type locality: Australia [clarified by Huber *et al.*, in Huber (2015) to be Buccaneer Archipelago, northwest Australia]; Cuming coll. NHMUK 20120292, 2 syntypes. — Type age: Recent. — Type material: NHMUK 1846.9.21.28, 1 syntype. — Current status: *Serratina resecta* (Deshayes, 1855) (Huber *et al.*, in Huber 2015: 181, 590).

*rostralina*, *Tellina* – Deshayes, 1824-*DescrCoqFoss*: 6, pl. 12, figs 13-15; 1825-*DescrCoqFoss*: 82-83; 1832-*EncyMeth*: 1019; 1835-*HistNatAnim2*: 214; 1839-*HistNatAnim3*: 571; 1857-*DescrCoqFoss*: 330-331. — Type localities: Thiverval-Grignon & Parnes. — Type age: Eocene (Lutetian). — Current status: *Tellina* (*Tellinella*) *rostralina* Deshayes, 1824 (Glibert & Van de Poel 1967: 89; Glibert 1980: 24-25; Le Renard & Pacaud 1995: 69; Pacaud 2008: 92).

*rubella*, *Tellina* – Deshayes, 1855c: 364. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 20150607, 2 syntypes. — Current status: synonym of *Indentina scalpellum* (Hanley, 1844) [*Tellina*] (Huber *et al.*, in Huber 2015: 242-243, 670).

*rubra*, *Tellina* – Deshayes, 1855c: 364, *non* da Costa, 1778. — Type locality: Ceylon; Cuming coll. — Type age: Recent. — Type material: NHMUK 20150598, 4 syntypes. — Current status: synonym of *Jitlada philippinarum* (Hanley, 1844) [*Tellina*] (Huber *et al.*, in Huber 2015: 623).

*ruderata*, *Tellina* – Deshayes, 1857-*DescrCoqFoss*: 348, 25, pl. 25, figs 28-30. — Type locality: Le Fayel. — Type age: Eocene (Bartonian). *Arcopagia* (*Macaliopsis*) *ruderata* (Deshayes, 1857) (Glibert & Van de Poel 1967: 102). — Current status: *Tellina* (*Macaliopsis*) *ruderata* (Deshayes, 1857) (Le Renard & Pacaud 1995: 69).

*rufa*, *Tellina* – Deshayes, 1855c: 367. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 1 syntype pair. — Current status: synonym of the Indo-Pacific *Tellinella cruciata* (Spengler, 1798) [*Tellina*] (Huber *et al.*, in Huber 2015: 170, 574).

*sanguinolenta*, *Tellina* – Deshayes, 1855c: 359. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Current status: *nomen dubium* (Huber *et al.*, in Huber 2015: 721).

*semiaspera*, *Tellina* – Deshayes, 1855c: 365. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 20150595, 1 syntype. — Current status: the Indo-Pacific *Scutarcopagia semiaspera* (Deshayes, 1855) (Huber *et al.*, in Huber 2015: 176, 582).

*semistriata*, *Tellina* – Deshayes, 1857-*DescrCoqFoss*: 354-355, 21, pl. 21, figs 4-6. — Type locality: Valmondois. — Type age: Eocene (Bartonian). Preoccupies *Tellina semistriata* Gümbel, 1861 (Gümbel 1861: 571). — Current status: synonym of *Tellina* (*Cyclotellina*) *lunulata* (Lamarck, 1806) [*Donax*] (Cossmann 1886a: 80; Le Renard & Pacaud 1995: 70).



*sieboldii*, *Tellina* – Deshayes, 1855c: 368. — Type locality: Japan; Cuming coll. — Type age: Recent. — Type material: NHMUK 1996479, 2 syntypes. — Current status: *Pharaonella sieboldii* (Deshayes, 1855) (Huber *et al.*, in Huber 2015: 190, 600; Matsukuma, in Okutani 2017: 1252, pl. 527, fig. 10; Lutaenko *et al.* 2021: 216, 261, pl. 12, figs D-E).

*silicula*, *Tellina* – Deshayes, 1855c: 363. — Type locality: “Columbia”; Cuming coll. — Type age: Recent. — Type material: NHMUK 20150604, 4 syntypes. — Current status: synonym of the Indo-Pacific *Jactellina clathrata* (Deshayes, 1835) [*Tellina*] (Huber *et al.*, in Huber 2015: 237, 664; Matsukuma, in Okutani 2017: 1250, pl. 550, fig. 13; Lutaenko *et al.* 2021: 217, 262, pl. 13, figs D-F).

*solenella*, *Tellina* – Deshayes, 1855c: 365-366. — Type locality: Bohol Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 20150600, 4 syntypes. — Current status: synonym of *Hanleyanus vestalis* (Hanley, 1844) [*Tellina*] (Huber *et al.*, in Huber 2015: 223-224, 647, 721).

*speciosa*, *Tellina* – Deshayes, 1856d: 81-82, pl. 3, fig. 5; 1857: 419. — Type locality: Red Sea; Deshayes coll. — Type age: Recent. — Current status: *Iacra speciosa* (Deshayes, 1856) (Oliver 1992: 166, pl. 31; Huber *et al.*, in Huber 2015: 701).

*splendida*, *Tellina* – Deshayes, 1855c: 370, *non* Anton, 1838. — Type locality: none given (Huber *et al.*, in Huber, 2015, clarified to be East China Sea); Cuming. — Type age: Recent. — Type material: NHMUK 20150583, holotype. — Current status: synonym of *Tellinella regina* (Salisbury, 1934) [*Tellina*] (Huber *et al.*, in Huber 2015: 171-172, 575).

*squamifera*, *Tellina* – Deshayes, 1855c: 365. — Type locality: “China” [clarified as being Miami, Florida, by Boss 1966: 255]; Cuming coll. — Type age: Recent. — Type species (OD) of *Phyllodina* Dall, 1900. — Current status: the Caribbean *Phyllodina squamifera* (Deshayes, 1855) (Huber *et al.*, in Huber 2015: 187, 597; D. Lamy & Pointier 2018: 719, as “cf.”).

*straminea*, *Tellina* – Deshayes, 1855c: 363. — Type locality: Gulf of California; Cuming coll. — Type age: Recent. — Type material: NHMUK 1957.7.15.6-94 syntypes. — Current status: *Tellina (Moerella) straminea* (Deshayes, 1855) (Coan & Valentich-Scott 2012: 650), or *Tampaella straminea* (Deshayes, 1855) (Huber *et al.*, in Huber 2015: 626).

*strangei*, *Tellina* – Deshayes, 1855c: 362. — Type locality: “New Zealand”; Cuming coll. — Type age: Recent. — Current status: synonym of the Indo-Pacific *Clathrotellina carnicolor* (Hanley, 1846) [*Tellina*] (Huber *et al.*, in Huber 2015: 264, 699).

*striatissima*, *Tellina* – Deshayes, 1857-DescrCoqFoss: 351-352, 26, pl. 26, figs 17-19. — Type localities: Damery, Auvers-sur-Oise, Mary-sur-Marne, Tancrou, Acy-en-Multien, Coulombs, Beauval & Le Fayel. — Type age: Eocene (Bartonian). — Current status: *Arcopagia (Bertinella) striatissima* (Deshayes, 1857) (Glibert & Van de Poel 1967: 108; Le Renard & Pacaud 1995: 70; Pacaud 2008: 92).

*subrotunda*, *Tellina* – Deshayes, 1824-DescrCoqFoss: 6, pl. 12, figs 16-17; 1825-DescrCoqFoss: 81; 1832-EncyMeth: 1018-1019, here only as *Tellina “subrotundata”*; 1835-HistNatAnim2: 213; 1839-HistNatAnim3: 571; 1850-TraitElem: 402-403, 9, pl. 14, figs 4-5; 1857-DescrCoqFoss: 359-360, as *Tellina (Arcopagia)*. — Type localities: Acy-en-Multien, Houdan & Valmondois. — Type age: Eocene (Lutetian-Bartonian). — Current status: *Tellina (Sinuospagia) subrotunda* Deshayes, 1824 (Glibert & Van de Poel 1967: 110; Le Renard & Pacaud 1995: 70; Pacaud 2008: 92).

*subrotundata*, *Tellina* – see: *subrotunda*, *Tellina* above.

*substriata*, *Tellina* – Deshayes, 1857-DescrCoqFoss: 26, figs 7, 12-13. See above under *hybrida*, *Tellina*.

*subtilis*, *Tellina* – Deshayes, 1857-DescrCoqFoss: 334, 25, pl. 25, figs 15-17. — Type localities: Thiverval-Grignon, Saint-Félix & Hérrouval. — Type age: Eocene (Lutetian). — Current status: *Tellina (Elliptotellina) tellinella* [Lamarck, 1806] *subtilis* Deshayes, 1857 (Le Renard & Pacaud 1995: 69).

*suensoni*, *Tellina* – Deshayes, 1855c: 358, *ex* Mörch ms. — Type locality: Brazil; Cuming coll. — Type age: Recent. — Type material: not located. — Current status: synonym of *Austromacoma constricta* (Bruguière, 1792) [*Solen*] (Huber *et al.*, in Huber 2015: 288, 735).

*sulcatina*, *Tellina* – Deshayes, 1855c: 368-369. — Type locality: “China” [actually northeastern Pacific]; Cuming coll. — Type age: Recent. — Type material: NHMUK 20150596, 1 syntype. — Current status: synonym of the northeastern Pacific *Megangulus bodegensis* (Hinds, 1845) [*Tellina*] (Huber *et al.*, in Huber 2015: 613).

*symmetrica*, *Tellina (Arcopagia)* – Deshayes, 1857-DescrCoqFoss: 361, 21, pl. 21, figs 16-18. — Type localities: Valmondois & Auvers-sur-Oise. — Type age: Eocene (Bartonian). — Current status: synonym of *Arcopagia subrotunda* (Deshayes, 1825) [*Tellina*] (Cossmann 1886a: 83).

*tenuistria*, *Tellina* – Deshayes, 1824-DescrCoqFoss: 80, 6, pl. 11, figs 9-10, pl. 12, figs 5-6; 1832-EncyMeth: 1018; 1837-DescrCoqFoss: 810 [as “*tenuistriata*”]; 1857-DescrCoqFoss: 350. — Type localities: Chaumont-en-Vexin & Parnes. — Type age: Eocene (Lutetian). *Arcopagia (Bertinella) tenuistria* (Deshayes, 1824) (Glibert & Van de Poel 1967: 108, as *T. “tenuistriata”*). — Current status: *Arcopagia (Bertinella) tenuistria* (Deshayes, 1824) (Le Renard & Pacaud 1995: 70; Pacaud 2008: 92).

*tenuistria, Erycina* – Deshayes, 1824-DescrCoqFoss: 42, 3, pl. 6, figs 7-9, *non* *Tellina tenuistria* Deshayes, 1824; 1835-HistNatAnim2: 119; 1839-HistNatAnim3: 542; 1857-DescrCoqFoss: 357, 25, pl. 25, figs 9-11. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). d’Orbigny (1850b: 377, no. 775) recognized that this *Erycina* was a *Tellina* and thus a homonym of another Deshayes species, and he renamed *Erycina tenuistria* as *Tellina subtenuistria* d’Orbigny, 1850b. Deshayes (1857-DescrCoqFoss) then renamed again it *Tellina erycinella*, perhaps considering that a more appropriate name. — Current status: *Arcopagiopsis subtenuistria* (d’Orbigny, 1850) (Le Renard & Pacaud 1995: 70; Pacaud 2007: 63; Pacaud 2008: 92), with Deshayes new name a synonym.

*tenuistriata*, *Tellina*; see above under: *tenuistria*, *Tellina*.

*tessellata*, *Tellina* – Deshayes, 1855c: 362-363. — Type locality: “Moreton Bay, Queensland, Australia” [corrected to Borneo (Huber *et al.*, in Huber 2015)]; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 1 syntype pair. — Current status: *Clathrotellina tessellata* (Deshayes, 1855) (Huber *et al.*, in Huber 2015: 264, 700).

*textilis*, *Tellina* – Deshayes, 1855c: 357. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 20150603, 5 syntypes. NHMUK 20150605, holotype. — Current status: synonym of the Indo-Pacific *Scissulina dispar* (Conrad, 1837) [*Tellina*] (Huber *et al.*, in Huber 2015: 239, 665).

*ticaonica*, *Tellina* – Deshayes, 1855c: 358. — Type locality: Ticao Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 20150603, holotype. — Current status: *Nitidotellina ticaonica* (Deshayes, 1855) (Huber *et al.*, in Huber 2015: 227, 653).

*transversa*, *Tellina* – Deshayes, 1857-*DescrCoqFoss*: 333, 21, pl. 21, figs 24-26 [as 21-26 in text]; 1865-*DescrCoqFoss*: 665 [error noted]. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Tellina (Elliptotellina) transversa* Deshayes, 1857 (Glibert & Van de Poel 1967: 91; Le Renard & Pacaud 1995: 69).

*tristis*, *Tellina* – Deshayes, 1855c: 361-362. — Type locality: Tasmania; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 3 syntype pairs. — Current status: synonym of *Macomona deltoidalis* (Lamarck, 1818) [*Tellina*] (Ponder 1975: 112-114, pl. 9, figs 1-11; Huber *et al.*, in Huber 2015: 209, chapter 5 on CD).

*turgida*, *Tellina* – Deshayes, 1855c: 354. — Type locality: “Catbalonga, Samar, Philippine Islands”; Cuming coll. — Type age: Recent. — Type material: NHMUK 1967577, holotype. — Current status: synonym of the northeastern Pacific *Leporimetis obesa* (Deshayes, 1855) [*Tellina*] (Coan *et al.* 2000: 420; Coan & Valentich-Scott 2012: 617; Huber *et al.*, in Huber 2015: 717).

*unicostalis*, *Tellina* – Deshayes, 1833b: 231, “pl. 6, figs 11-13”, *nomen nudum*; 1835b: 92, pl. 20, figs 11-13. P– Type locality: Peloponnese Peninsula, Greece. — Type age: Subapennine Formation, Pliocene. — Current status: synonym of *Oudardia compressa* (Brocchi, 1814) [*Tellina*] (Nolf & Kreps 2011: 3, pl. 127, figs 725-730).

*ventricosa*, *Tellina* – Deshayes, 1855c: 356. — Type locality: West Africa; Cuming & Deshayes colls. — Type age: Recent. — Type material: NHMUK unnumbered, 1 syntype pair. — Current status: synonym of *Rostrimacoma largillierti* (Philippi, 1851) [*Tellina*] (Huber *et al.*, in Huber 2015: 272, 708).

*venusta*, *Tellina* – Deshayes, 1855c: 368. — Type locality: Hawaiian Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 1 partly broken syntype pair. — Current status: *Pharaonella venusta* (Deshayes, 1855) (Huber *et al.*, in Huber 2015: 190, 600).

*verneuili*, *Tellina* – Deshayes, 1857-*DescrCoqFoss*: 346, 21, pl. 21, figs 1-3. — Type localities: Valmondois & Beaugrenier. — Type age: Eocene (Bartonian). — Current status: *Arcopagia (Bertinella) verneuili* (Deshayes, 1857) (Glibert & Van de Poel 1967: 108; Le Renard & Pacaud 1995: 69).

*vinosa*, *Tellina* – Deshayes, 1855c: 369. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 20150589, 2 syntypes. — Current status: synonym of the Indo-Pacific *Tellinella crucigera* (Lamarck, 1818) [*Tellina*] (Huber *et al.*, in Huber 2015: 170, 575).



*angulata*, *Tellina* or *Psammobia* – Leymerie, 1841: 341, *nomen nudum*; 1842: 3, 24, pl. 3, fig. 6a-b, *ex* Deshayes ms. — Type locality: Vendeuivre-sur-Barse. — Type age: Cretaceous (Hauterivian). This is a *Tellina* and thus *non Tellina angulata* Linnaeus, 1758, *nec* Röding, 1798. Replacement name: *Tellina carteroni* d’Orbigny, 1845 (d’Orbigny 1845: 420, pl. 380, figs 1-2).

*broderipii*, *Tellina* – P. P. Carpenter, 1857: 32-33, *ex* Deshayes ms. — Current status: synonym of *Tellina (Tellinidella) purpurea* Broderip & G. B. Sowerby I, 1829 (Coan & Valentich-Scott 2012: 657, 659-660).

*decorata*, *Tellina (Arcopagia)* – Glibert & Van de Poel (1967: 109) treated this species as if it had been described by “Deshayes (1857)”, but it had been made available by Watelet (1851: 8, pl. 1, figs 16-19).

*essingtonensis*, *Tellina* – G. B. Sowerby II, 1866: pl. 15, fig. 73, *ex* Deshayes ms. — Type locality: Port Essington, Australia. — Type

age: Recent. Listed by Petit (2009: 110). Sowerby noted that Deshayes had evidently labeled this as a *Donax*. — Current status: synonym of *Sylvanus lilium* (Hanley, 1844) [*Tellina*] (Huber 2015: chapter 5 on CD).

*quoyi*, *Tellina* – G. B. Sowerby II, 1868a: pl. 53, fig. 314, *ex* Deshayes ms. Oddly, Sowerby quoted an article and pagination in the *Proceedings of the Zoological Society of London* on which no such species occurs “(1856: 130)”, and this was repeated by Hedley (1913: 272) (Petit 2009: 158). This taxon became the type species (OD) of *Laciolina* Iredale, 1937, a valid genus. — Current status: synonym of *Laciolina chloroleuca* (Lamarck, 1818) [*Tellina*].

*sayi*, *Tellina (Angulus)* – Dall, 1900: 1034, *ex* Deshayes ms. Replacement name for *Tellina polita* Say, 1822, *non* Spengler, 1798, *nec* other authors. Pliocene, Florida. Dall said, “The name of Deshayes is suggested in one of his manuscripts in my possession.” This species was rendered “Deshayes in Dall” in Glibert & Van de Poel (1967: 97). — Current status: synonym of *Angulus texanus* (Dall, 1900) [*Tellina*].

*squamulosa*, *Tellina* – G. B. Sowerby II, 1869: pl. 58, fig. 343, *ex* Deshayes ms. Australia. Attributed by Sowerby to Deshayes in the *Proceedings of the Zoological Society of London*, “1840: 160”, a reference that does not exist (Petit 2009: 170, who listed this as a Sowerby species). However, this species had its origin as *Tellina squamulosa* A. Adams, 1850, with one “m”. — Current status: *Scutarcopagia squamulosa* (A. Adams, 1850) (Huber 2015: chapter 5 on CD).

#### Family DONACIDAE J. Fleming, 1828

*acutata*, *Donax* – Deshayes, 1857-*DescrCoqFoss*: 11 *ter*, pl. 11 bis, figs 34-36; 1858-*DescrCoqFoss*: 399; 1865-*DescrCoqFoss*: 666 [fig. 36 not referenced on p. 11 *ter*; correction noted]. — Type locality: Hérouval. — Type age: Eocene (Ypresian). — Current status: *Donax (Latona) acutatus* (Deshayes, 1857) (Glibert & Van de Poel 1967: 77; Le Renard & Pacaud 1995: 71, as “*D. acutus*”).

*affinis*, *Donax* – Deshayes, 1850-*TraitElem*: 451-452. — Type locality: Bordeaux. — Type age: Miocene (Burdigalian). — Type material: MNHN.FA70869, 3 syntypes (coll. Brongniart/Basterot). Based on *Donax elongata* Lamarck, 1818, of Basterot (1825: 84), *non* Lamarck, 1818. *Donax (Chion) affinis* Deshayes, 1850 (Glibert & Van de Poel 1967: 79). — Current status: *Donax (Donax) affinis* Deshayes, 1850 (Lesport *et al.* 2019: 42-43, pl. 16, figs 5-8).

*affinis*, *Donax* – Deshayes, 1855c: 351, *non* Deshayes, 1850. — Type locality: Red Sea; Cuming coll. — Type age: Recent. — Current status: probable synonym of *Donax (Serrula) trunculus* Linnaeus, 1758 (Huber 2015: chapter 5 on CD).

*auversiensis*, *Donax* – Deshayes, 1857-*DescrCoqFoss*: 24, pl. 24, figs 24-26; 1858-*DescrCoqFoss*: 393. — Type localities: Auvers-sur-Oise, Ducy, Valmondois & Le Fayel. — Type age: Eocene (Bartonian). *Donax auversiensis* was mistakenly listed as the type species of *Liodonax* P. Fischer, 1887, by Cossmann & Peyrot (1911) and by Neveeskaja *et al.* (2013: 377), but it was not among the diverse originally included species. — Current status: synonym of *Donax (Latona) retusus* Lamarck, 1806 (Glibert & Van de Poel 1967: 78).

*basterotina*, *Donax* – Deshayes, 1825-*DescrCoqFoss*: 110, 8, pl. 17, figs 21-22; 1830b-*EncyMeth*: 101; 1835-*HistNatAnim2*: 252; 1839-*HistNatAnim3*: 583. — Type localities: Maulette & Damery. — Type age: Eocene (Lutetian). — Current status: *Donax (Latona) basterotinus* Deshayes, 1825 (Glibert & Van de Poel 1967: 77; Le Renard & Pacaud 1995: 71; Pacaud 2008: 92).



*corbuloides*, *Donax* – Deshayes, 1830b-EncyMeth: 99-100; 1835-HistNatAnim2: 250; HistNatAnim3: 582. — Type locality: none given. — Type age: Recent. — Current status: *taxon inquirendum* (Huber 2015: chapter 5 on CD).

*foucardi*, *Donax* – Deshayes, 1857-DescrCoqFoss: 22, pl. 22, figs 22-25; 1858-DescrCoqFoss: 393-394. — Type locality: Hérouval. — Type age: Eocene (Ypresian). — Current status: *Donax (Latona) foucardi* (Deshayes, 1857) (Glibert & Van de Poel 1967: 77; Le Renard & Pacaud 1995: 71).

*incerta*, *Donax* – Deshayes, 1857-DescrCoqFoss: 24, pl. 24, figs 9-11; 1858-DescrCoqFoss: 395-396. — Type localities: Thiverval-Grignon, Parnes, Damery, Hermonville, Boursault, Mary-sur-Marne & La Ferté-sous-Jouarre. — Type age: Eocene (Lutetian-Bartonian). The specimen from Châlons-sur-Vesle is *Cyrena acutangularis* Deshayes, 1857. *Donax (Tembrockia) incertus* Deshayes, 1857 (Glibert & Van de Poel 1967: 79). — Current status: *Donax (Latona) incertus* Deshayes, 1857 (Le Renard & Pacaud 1995: 71; Pacaud 2008: 92).

*interrupta*, *Donax* – Deshayes, 1855c: 353. — Type locality: mouth of River Nunn, West Africa; Cuming coll. — Type age: Recent. — Type material: NHMUK 1842.6.10.147, 2 syntype pairs. — Current status: *Donax rugosus interruptus* Deshayes, 1855 (Cosel & Gofas 2019: 642-643).

*lamarckii*, *Donax* – Deshayes, 1857-DescrCoqFoss: 24, pl. 24, figs 15-17, *non Donax lamarckii* Reeve, 1854, *ex* Deshayes ms; 1858-DescrCoqFoss: 394. *Donax parisiensis*, replacement name (see below).

*lanceolata*, *Donax* – Deshayes, 1857-DescrCoqFoss: 24, pl. 24, figs 18-20; 1858-DescrCoqFoss: 398-399. — Type localities: Thiverval-Grignon, Houdan, Boursault, Fleury-la-Rivière, Beauval & Crouy. — Type age: Eocene (Lutetian-Bartonian). — Current status: synonym of *Donax (Latona) incompletus* Lamarck, 1806 (Pezant 1908: 228). *Donax (Latona) lanceolatus* Deshayes, 1857 (Glibert & Van de Poel 1967: 78).

*obscura*, *Donax* – Deshayes, 1830b-EncyMeth: 98. — Type locality: none given. — Type age: Recent. — Type material: not found. — Current status: probable synonym of *Latona cuneata* (Linnaeus, 1758) (Huber 2010a: 318, 696; 2015: chapter 5 on CD; Signorelli & Printrakoon 2020: 19-20, 22-23, figs 7A-O, 8A-T, 9A-B; Lutaenko et al. 2021: 220, with *Latona* considered a separate clade (Moncada et al. 2022: 995).

*parisiensis*, *Donax* – Deshayes, 1857-DescrCoqFoss: 24, as *Donax lamarckii*, pl. 24, figs 15-17, *non Donax lamarckii* Reeve, 1854, *ex* Deshayes ms; 1858-DescrCoqFoss: 394, replacement name; 1865-DescrCoqFoss: 666 [error in pl. expl. noted]. — Type localities: Ducy, Crouy, Coulombs, Jaignes, Betz, Acy-en-Multien, Beauval, La Ferté-sous-Jouarre, Auvers-sur-Oise, Mary-sur-Marne, Le Mesnil-Aubry, Rouvres & Montagny. — Type age: Eocene (Bartonian). — Current status: *Donax (Latona) parisiensis* Deshayes, 1857 (Glibert & Van de Poel 1967: 78; Le Renard & Pacaud 1995: 71).

*peruviana*, *Donax* – Deshayes, 1855c: 350-351. — Type locality: Peru; Cuming coll. — Type age: Recent. — Type material: NHMUK 1966544, holotype. — Current status: synonym of *Donax obesulus* Reeve, 1854, *ex* Deshayes ms (Coan & Valentich-Scott 2012: 668; Valentich-Scott et al. 2020: 257).

*psammobialis*, *Iphigenia* – Deshayes, 1855c: 346-347. — Type locality: none given [clarified as being Malea, Congo River by Huber, 2015]; Cuming coll. — Type age: Recent. — Type material: NHMUK 1851.11.17.43, holotype. — Current status: *Profischeria psammobialis* (Deshayes, 1855) (Huber 2010a: 693; 2015: 748-749).

*striatella*, *Donax* – Deshayes, 1855c: 352-353. Not preoccupied by *Donax striatella* (Brocchi, 1814) [*Tellina*], which Nyst (1845) placed in *Donax* but is a tellinid. — Type locality: “Australia”; Cuming coll. — Type age: Recent. — Type material: NHMUK 1838.12.15.26, syntype (Hedley 1913: 274, pl. 17, figs 38-39). — Current status: possibly from the Caribbean and senior synonym (May) to *Donax vellicatus* Reeve, 1855 (June) (Huber 2015: chapter 5 on CD, but with synonymy reversed).

*transversus*, *Donax* – Deshayes, 1830b-EncyMeth: 100, *non* G. B. Sowerby I, 1825; 1835-HistNatAnim2: 250-251; 1839-HistNatAnim3: 582. — Type localities: Bordeaux, Saint-Paul-lès-Dax & faluns de Touraine. — Type age: Miocene (Burdigalian). Based on *Donax anatinum* Lamarck, 1818, of Basterot (1825: 83-84), *non* Lamarck, 1818. — Type material: MNHN.FA70870, syntype. — Type species (OD) of *Paradonax* Cossmann, 1910 (Nevešská et al. 2013: 312, fig. 133-3). *Donax (Cuneus) transversus* Deshayes, 1830 (Glibert & Van de Poel 1967: 81). — Current status: synonym of *Donax burdigalensis* Defrance, 1819, obviating the need for a replacement name (Lepsport et al 2019: 43).

*trigonula*, *Donax* – Deshayes, 1857-DescrCoqFoss: 24, pl. 24, figs 27-28; 1858-DescrCoqFoss: 397. — Type locality: Cresnes. — Type age: Eocene (Bartonian). — Type material: MNHN.FJ04150, syntype. — Current status: *Donax (Latona) trigonulus* Deshayes, 1857 (Glibert & Van de Poel 1967: 78; Le Renard & Pacaud 1995: 71).

*triradiata*, *Donax* – Deshayes, 1830b-EncyMeth: 98. — Type locality: none given. — Type age: Recent. — Type material: MNHN-IM-2000-38632, 3 syntypes. — Current status: probable synonym of *Latona trifasciatus* (Linnaeus, 1758) [*Tellina*] (Huber 2010a: 319, 691; 2015: chapter 5 on CD) from the Philippine Islands (Moncada et al. 2022: 995, with *Latona* as a separate clade).

*tumidula*, *Donax* – Deshayes, 1857-DescrCoqFoss: 24, pl. 24, figs 21-23; 1858-DescrCoqFoss: 398. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Egerella tumidula* (Deshayes, 1857) (Glibert & Van de Poel 1967: 82). Synonym of *Donax (Latona) levesquei* d’Orbigny, 1850 (Pacaud 2007: 62).

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In the case of the following species, see the authorship discussion under Mactridae. This was also discussed by Tomlin (1931).

*acuminata*, *Donax* – Reeve, 1854d: pl. 8, fig. 58, *ex* Deshayes ms; Deshayes, 1855c: 352. — Type locality: none given; Cuming coll. — Type age: Recent. — Current status: *taxon inquirendum*.

*acutangula*, *Donax* – Reeve, 1854d: pl. 6, fig. 33, *ex* Deshayes ms; Deshayes, 1855c: 350. — Type locality: Gabon, West Africa; Cuming coll. — Type age: Recent. — Type material: NHMUK 1985034, 3 syntypes. — Current status: *Donax acutiangula* Reeve, 1854 (Cosel & Gofas 2019: 652-653, as “Deshayes *in* Reeve”).

*aenea*, *Donax* – 1855c: 350, *ex* Mörch ms. — Type locality: Tanquebar?; Cuming coll. — Type age: Recent. First made available by Mörch (1853: 18); should have been spelled *Donax aeneus*. — Current status: *taxon inquirendum*.

*bella*, *Donax* – Reeve, 1854d: pl. 6, fig. 41, *ex* Deshayes ms; Deshayes, 1855c: 351. — Type locality: “Acapulco”, Mexico; Cuming coll. — Type age: Recent. — Current status: synonym of the western Atlantic *Donax variabilis* Say, 1822, based on a mislocalized specimen (Coan & Valentich-Scott 2012: 665; Huber 2015: chapter 5 on CD).

*clathrata*, *Donax* – Reeve, 1854d: pl. 8, fig. 57, *ex* Deshayes ms; Deshayes, 1855c: 354. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 3 syntypes. — Current status: the Indo-Pacific *Donax clathratus* “Deshayes, 1855” (Oliver 1992: 160, pl. 32; Huber 2010a: 321; 2015: chapter 5 on CD).

*complanata*, *Donax* – Deshayes, 1830b-EncyMeth: 98. Sherborn (1925: 1424) listed this as if it were a Deshayes species. However, Deshayes cited G. B. Sowerby I (1823), who in turn cited Montagu (1803), its original author. — Current status: synonym of *Donax variegatus* (Gmelin, 1791) [*Tellina*] (Huber 2015: chapter 5 on CD).

*conradi*, *Donax* – Reeve, 1854d: pl. 5, fig. 29, ex Deshayes ms; Deshayes, 1855c: 351. — Type locality: California; Cuming coll. — Type age: Recent. — Type material: NHMUK 1982017, 3 syntypes. — Current status: synonym of *Donax culter* Hanley, 1845 (Tomlin 1926; Coan & Valentich-Scott 2012: 667-668; Huber 2015: chapter 5 on CD).

*dysoni*, *Donax* – Reeve, 1854d: pl. 8, fig. 54, ex Deshayes ms; Deshayes, 1855c: 353. — Type locality: Indian Ocean; Cuming coll. — Type age: Recent. — Type material: NHMUK 20170375, 1 syntype. *Donax dysoni* Reeve, 1854 (Qi 2004: 288, pl. 157, fig. G, as “Deshayes”). — Current status: synonym of *Latona incarnatus* (Gmelin, 1791) (Huber 2015: chapter 5 on CD; Signorelli & Printrakoon 2020: 14-17, fig. 4A-N [G-H is Reeve syntype]; Raven 2021: 83-84, pl. 6, figs 1-3, text-fig. 13; Moncada *et al.* 2022, *Latona* as a separate clade).

*granifera*, *Donax* – Reeve, ex Deshayes ms, 1854d: pl. 7, fig. 43. Loc unknown. Deshayes, 1855c: 353. — Type locality: Colombia; Cuming coll. — Type age: Recent. — Current status: synonym of *Donax asper* Hanley, 1845 (Coan & Valentich-Scott 2012: 675; Huber 2015: chapter 5 on CD).

*laevigata*, *Donax* – Reeve, 1854d: pl. 5, fig. 31, ex Deshayes ms, non Gmelin, 1791; Deshayes, 1855c: 352. — Type locality: none given [North America]; Cuming coll. — Type age: Recent. — Type material: NHMUK 1981143, lectotype; 1981144, paralectotype; 1981145, paralectotype. — Current status: synonym of north-eastern Pacific *Donax gouldii* Dall, 1921 (Coan & Valentich-Scott 2012: 677; Huber 2015: chapter 5 on CD).

*lamarckii*, *Donax* – Reeve, 1854d: pl. 5, fig. 27, ex Deshayes ms. — Type locality: none given. — Type age: Recent. Preoccupies the Paris Basin *Donax lamarckii* Deshayes, 1857, which was replaced as *D. parisiensis* Deshayes, 1857. — Current status: synonym of the Caribbean *Donax (Assimilidonax) striatus* Linnaeus, 1767 (Huber 2015: 315, chapter 5 on CD).

*nitida*, *Donax* – Reeve, 1854d: pl. 6, fig. 34, ex Deshayes ms, non Lamarck, 1805; Deshayes, 1855c: 350. — Type locality: Moreton Bay, Queensland, Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 1984020, 2 syntypes. *Donax veruinus* Hedley, 1913 (Hedley 1913: 274-275), replacement name. *Donax nitidus* Deshayes, 1855 (Oliver 1992: 160, pl. 32). — Current status: the South Pacific *Donax veruinus* (Hedley, 1913) (Huber 2015: chapter 5 on CD; Raven 2021: 93, pl. 8, figs 7-12, text-figs 3p, 18).

*obesula*, *Donax* – Reeve, 1854d: pl. 5, fig. 30, ex Deshayes ms; Deshayes, 1855c: 352. — Type locality: Peru, Central America; Cuming coll. — Type age: Recent. — Type material: NHMUK 198218, lectotype; 198219, 3 paralectotypes. — Current status: *Donax obesulus* Reeve, 1854, ex Deshayes ms (Huber 2010a: 314; Coan & Valentich-Scott 2012: 668; Valentich-Scott *et al.* 2020: 257).

*petallina*, *Donax* – Reeve, 1854d: pl. 8, fig. 51, ex Deshayes ms; Deshayes, 1855c: 350, as *Donax “petalina”*. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 198221, lectotype, 3 paralectotypes. — Current status: synonym of the eastern Pacific *Donax kindermannii* (Philippi, 1847) [*Amphichaena*] (Coan & Valentich-Scott 2012: 666; Huber 2015: chapter 5 on CD).

*ventricosa*, *Iphigenia* – S. P. Woodward, 1854: 314, ex Deshayes ms, with minimal description [“... is rayed like *Galatea*, and has its beaks eroded”]. — Type locality: none given. — Type age: Recent. G. B. Sowerby II (1868b: pl. 5, fig. 10), in synonymy with *Galatea delessertii* Bernardi, 1860; now *Iphigenia delessertii* (Bernardi, 1860). H. Adams & A. Adams (1856: 407) miscredited this species to “Phil.” [Philippi]. — Current status: if the Woodward (1854) name is considered available and synonymous, then ICZN Code Art. 23.9 might be invoked to conserve Bernardi’s (1860) taxon.

#### Family PSAMMOBIIDAE J. Fleming, 1828

*Capsella* – Deshayes, 1855c: 347-350, non J. E. Gray, 1851. — Type species (SD herein): *Capsa (Capsella) crassula* Deshayes, 1855. — Current status: this is the same type species as that of *Crassulobia* Willan, 1993, so Deshayes genus falls into its synonymy. It is possible that Deshayes merely misused Gray’s genus, but that seems unlikely in that Gray’s genus belongs in the Donacidae and is now regarded as a synonym of *Donax* Linnaeus, 1758.

#### REMARK

*Capsa* Bruguière, 1797, was misused for some of the following species, but it is a tellinid genus. Recently, the long-used genus *Soletellina* Blainville, 1824, was synonymized with *Hiatula* Modeer, 1793 (Matsubara, 2013).

*abrupta*, *Psammobia* – Deshayes, 1855c: 324-325. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1984300, holotype. — Current status: synonym of *Gari pulcherrima* (Deshayes, 1855) (Willan 1993: 35, fig. 141 – holotype).

*amoena*, *Psammobia* – Deshayes, 1855c: 323. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 1964010, holotype. — Current status: synonym of the Asian *Gari amethystus* (W. Wood, 1815) [*Solen*] (Willan 1993: 38-39, fig. 152 – holotype).

*angusta*, *Psammobia* – Deshayes, 1855c: 320. — Type locality: Senegal; Cuming coll. — Type age: Recent. — Type material: NHMUK 1984288.1, lectotype (Willan 1993); 1984288/2, paralectotype. — Current status: synonym of *Gari modesta* (Deshayes, 1855) [*Psammobia*] (E. A. Smith 1885: 95; Willan 1993: 23, fig. 84 – lectotype).

*anomala*, *Psammobia* – Deshayes, 1855c: 320. — Type locality: Zebu, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1984290.1 lectotype (Willan 1993); 1984290/2-5 paralectotypes. — Current status: *Gari anomala* (Deshayes, 1855) (Willan 1993: 22-23, figs 7, 8, 76 [lectotype]-81; Huber 2010a: 324-325; Willan & Tagaro, in Poppe 2011: 356, pl. 1173, figs 1-2; Matsukuma, in Okutani 2017: 1260, pl. 554, fig. 5).

*basteroti*, *Tellina* – Deshayes, 1857-DescrCoqFoss: 348. Based on *Tellina biangularis* Deshayes var. “ ” of Basterot (1825: 86). — Type locality: Bordeaux. Miocene (Aquitanian). Synonym of *Solecurtus affinis* (Dujardin, 1837) (d’Orbigny 1852: 99, no. 1853). *Gari affinis* (Dujardin, 1837) (Glibert & Van de Poel 1967: 122). — Current status: *Gari (Psammobia) affinis* (Dujardin, 1837) (Lesport *et al.* 2019: 44, pl. 17, figs 6-9).

*baudoni*, *Psammobia* – Deshayes, 1857-DescrCoqFoss: 378-379, 23, pl. 25, figs 15-18 [in text as pl. 25]. — Type locality: Hadancourt-le-Haut-Clocher (Oise). — Type age: Eocene (Lutetian). — Current status: *Gari (Psammobia) baudoni* (Deshayes, 1857) (Le Renard & Pacaud 1995: 70; Pacaud 2008: 93).



*bicarinata*, *Psammobia* – Deshayes, 1855c: 322. — Type localities: Madagascar & Zanzibar; Cuming coll. — Type age: Recent. — Type material: NHMUK 1984297, 2 syntypes. — Current status: *Gari bicarinata* (Deshayes, 1855) (Oliver 1992: 163, pl. 36), or synonym of *Psammobia insignis* Deshayes, 1855 (Willan 1993: 37; Rusmore-Villaume 2008: 260-261).

*caillati*, *Psammobia* – Deshayes, 1857-DescrCoqFoss: 381, 23, pl. 23, figs 19-20. — Type localities: Parnes, Thiverval-Grignon, Chaumont-en-Vexin & Gomerfontaine. — Type age: Eocene (Lutetian). — Type species (OD) of *Psammodonax* Cossmann, 1886. *Psammodonax caillati* (Deshayes, 1857) (Glibert & Van de Poel 1967: 120). — Current status: *Gari (Psammodonax) caillati* (Deshayes, 1857) (Le Renard & Pacaud 1995: 70; Pacaud 2008: 93).

*callosa*, *Sportella* – Deshayes, 1857-DescrCoqFoss: 48, pl. 48, figs 18-20; 1858-DescrCoqFoss: 595-596. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). *Gobraeus callosus* (Deshayes, 1857) (Glibert & Van de Poel 1967: 124). — Current status: *Gari (Psammotaena) callosa* (Deshayes, 1857) (Le Renard & Pacaud 1995: 70; Pacaud 2008: 93).

*candidula*, *Psammobia* – Deshayes, 1855c: 319. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1984286, 3 syntypes. — Current status: *Gari candidula* (Deshayes, 1855) (Huber 2015: chapter 5 on CD).

*chinensis*, *Capsa (Capsella)* – Deshayes, 1855c: 348. — Type locality: China; Cuming coll. — Type age: Recent. — Type material: NHMUK 1984261, 2 syntypes. — Current status: *Gari (Psammotaena) chinensis* (Deshayes, 1855) (Willan 1993: 60; Huber 2010a: 329, 695).

*compta*, *Psammobia* – Deshayes, 1855c: 321. — Type locality: Tasmania; Cuming coll. — Type age: Recent. — Type material: NHMUK 1841.2.6.423, lectotype (Willan 1993); 1837.7.15.310, paralectotype; 1837.7.15.144, paralectotype. — Current status: synonym of *Gari livida* (Lamarck, 1818) [*Psammobia*] (Willan 1993: 41-42, fig. 162 – lectotype).

*consobrina*, *Psammobia* – Deshayes, 1857-DescrCoqFoss: 373-374, 23, pl. 23, figs 3-4. — Type localities: Brimont & Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). 1858: 552. *Garum consobrina* (Deshayes, 1857) (Glibert & Van de Poel 1967: 119). — Current status: *Gari (Garum) consobrina* (Deshayes, 1857) (Le Renard & Pacaud 1995: 70; Leroy *et al.* 2014: 28, pl. 12, fig. 1a-b).

*contraria*, *Psammobia* – Deshayes, 1863: 11, pl. 1, figs 20-21. — Type locality: La Réunion. — Type age: Recent. — Type material: missing (Willan 1993: 9). — Type species (SD Oliver, 1992) of *Heteroglypta* Martens, 1880. — Current status: *Heteroglypta contraria* (Deshayes, 1863) (Oliver 1992: 162, pl. 36, as *Gari (Heteroglypta)*; Willan 1993: 9-11, figs 27-37, 382; Huber, 2010a: 332; Willan & Tagaro, in Poppe 2011: 362, pl. 1176, figs 4-5; Matsukuma, in Okutani 2017: 1262, pl. 555, fig. 5; Lutaenko *et al.* 2021: 220).

*corrugata*, *Psammobia* – Deshayes, 1855c: 324. — Type locality: Zebu Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196413, holotype. — Current status: synonym of *Gari maculosa* (Lamarck, 1818) [*Psammobia*] (Willan 1993: 26-27, fig. 102 – holotype).

*crassula*, *Capsa (Capsella)* – Deshayes, 1855c: 349. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1984268.1, lectotype (Willan 1993); 1984268/2-3, paralectotypes. — Type species (OD) of *Crassulobia* Willan, 1993. — Current status: *Gari (Crassulobia) crassula* (Deshayes, 1855) (Willan 1993: 68-70, figs 289 [lectotype]-297, 404-405; Huber 2010a: 328).

*debilis*, *Psammobia* – Deshayes, 1857-DescrCoqFoss: 377-378, 22, as *P. fragilis*, pl. 22, figs 15-17; 1865-DescrCoqFoss: 666 [error corrected]. — Type locality: Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). 1858: 552. *Gobraeus debilis* (Deshayes, 1857) (Glibert & Van de Poel 1967: 124). — Current status: *Gari (Psammotaena) debilis* (Deshayes, 1857) (Le Renard & Pacaud 1995: 70; Leroy *et al.* 2014: 28, pl. 12, figs 2-4).

*difficilis*, *Capsa (Capsella)* – Deshayes, 1855c: 347. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1984262.1, lectotype (Willan 1993); 1984268/2-3, paralectotypes; 1984262, 3 syntypes. — Current status: synonym of *Gari (Psammotaena) elongata* (Lamarck, 1818) [*Psammobia*] (Willan 1993: 61-62, fig. 251 – lectotype).

*dispar*, *Psammobia* – Deshayes, 1855c: 325. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1985170.1, lectotype (Willan 1993); 1985170/2, paralectotype. *Gari (Heteroglypta) dispar* (Deshayes, 1855) (Oliver 1992: 164, pl. 36). — Current status: synonym of *Gari pennata* (Deshayes, 1855) (Willan 1993: 31, fig. 120 – lectotype; Rusmore-Villaume 2008: 262-263).

*donacilla*, *Psammobia* – Deshayes, 1857-DescrCoqFoss: 382, 23, as *Psammobia donacina*, pl. 23, figs 21-22; 1865-DescrCoqFoss: 666 [error in pl. expl. corrected]. — Type localities: Thiverval-Grignon, Parnes, Damery, Chaumont-en-Vexin, Fontenay-Saint-Père, Boursault & Gomerfontaine. — Type age: Eocene (Lutetian). — Current status: *Gari (Psammodonax) donacilla* (Deshayes, 1857) (Le Renard & Pacaud 1995: 70; Pacaud 2008: 93).

*dutemplei*, *Psammobia* – Deshayes, 1857-DescrCoqFoss: 374, 23, pl. 23, figs 10-12. — Type locality: Damery. — Type age: Eocene (Lutetian). — Type species (OD) of *Garum* Dall, 1900. *Garum* placed on Official List by ICZN Opinion, 910 (1970), but listed there with the wrong type species [*Psammobia filosa* Conrad, 1833]. *Garum dutemplei* (Deshayes, 1857) (Glibert & Van de Poel 1967: 119). *Gari (Psammodonax) dutemplei* (Deshayes, 1857) (Le Renard & Pacaud 1995: 70). — Current status: *Gari (Garum) dutemplei* (Deshayes, 1857) (Pacaud 2008: 93).

*elegans*, *Psammobia* – Deshayes, 1855c: 322. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 1984298, 6 syntypes. — Current status: synonym of the western Indo-Pacific *Psammobia insignis* Deshayes, 1855 (Willan 1993: 37).

*grata*, *Psammobia* – Deshayes, 1855c: 318-319. — Type locality: “Amboina”; Cuming coll. — Type age: Recent. — Type material: NHMUK 1984283, holotype. — Current status: synonym of the northeastern Atlantic *Gari (Gobraeus) depressa* (Pennant, 1777) [*Tellina*] (Willan 1993: 49).

*insignis*, *Psammobia* – Deshayes, 1855c: 322. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 1984296, holotype. *Gari insignis* (Deshayes, 1855) (Willan 1993: 37). — Current status: the western Indo-Pacific *Gari (Psammobia) insignis* (Deshayes, 1855) (Huber 2010a: 326).

*intermedia*, *Psammobia* – Deshayes, 1855c: 319. — Type locality: Portugal; Cuming coll. — Type age: Recent. — Type material: NHMUK 1984284, 2 syntypes. Synonym of *Gari (Gobraeus) virgata* (Lamarck, 1818) [*Psammobia*] (Willan 1993: 49). — Current status: *Gari intermedia* (Deshayes, 1855) (Cossignani & Ardoyni 2011: 57, 471).

*lamarckii*, *Psammobia* – Deshayes, 1857-DescrCoqFoss: 376; first edition, pl. 2, figs 24, 25 [in text as 24, 26]; 1865-DescrCoqFoss: 665 [error noted]. — Type localities: Parnes, Mouchy-le-Châtel, Montmirail & Vaudancourt. — Type age: Eocene (Lutetian). — Type species (M) of *Amphipsammus* Cossmann, 1913. *Gobraeus*

*lamarckii* (Deshayes, 1857), as *G. "lamarcki"* (Glibert & Van de Poel 1967: 125). — Current status: *Gari (Amphipsammus) lamarckii* (Deshayes, 1857) (Le Renard & Pacaud 1995: 70; Pacaud 2008: 94).

*lata*, *Psammobia* – Deshayes, 1855c: 318. — Type localities: Central America & Santa Elena, Ecuador; Cuming coll. — Type age: Recent. — Type material: NHMUK 1966549, lectotype, 2 paralectotypes; 1984279, probable paralectotype. *Gari (Gobraeus) lata* (Deshayes, 1855) (Huber 2010a: 327). — Current status: *Gari lata* (Deshayes, 1855) (Coan & Valentich-Scott 2012: 685).

*layardi*, *Capsa (Capsella)* – Deshayes, 1855c: 348. — Type locality: Ceylon; Cuming coll. — Type age: Recent. — Type material: NHMUK 1984276, 3 syntypes. — Current status: *Gari (Psammotaena) layardi* (Deshayes, 1855) (Huber 2010a: 329).

*layardi*, *Psammobia* – Deshayes, 1855c: 323. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196422, holotype. — Current status: synonym of *Gari maculosa* (Lamarck, 1818) [*Psammobia*] (Willan 1993: 26-27, fig. 99 – holotype).

*lunulata*, *Capsa (Capsella)* – Deshayes, 1855c: 349. — Type localities: Philippine Islands; Ceylon (var.); Cuming coll. — Type age: Recent. — Type material: NHMUK 1984272, 5 syntypes. — Current status: *Soletellina lunulata* (Deshayes, 1855) (Willan 1993: 75; Huber 2010a: 330), now *Hiatula lunulata* (Deshayes, 1855).

*marmorea*, *Psammobia* – Deshayes, 1855c: 324. — Type localities: Darnley Island, Sydney, Australia & Moluccas (latter two “var.”); Cuming coll. — Type age: Recent. — Type material: NHMUK 1846.9.16.112, holotype; 1846.9.14.111, syntype of variety Alpha from Sydney; 196447-196448, syntypes of variety Beta from Moluccas. — Current status: synonym of *Gari maculosa* (Lamarck, 1818) [*Psammobia*] (Willan 1993: 26-27, fig. 103 – holotype).

*maxima*, *Psammobia* – Deshayes, 1855c: 317. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 1966552.1-2, lectotype & paralectotype. — Current status: the Panamic *Gari (Gobraeus) maxima* (Deshayes, 1855) (Huber 2010a: 326; Coan & Valentich-Scott 2012: 685).

*menkeana*, *Psammobia* – Deshayes, 1855c: 319-320. — Type locality: east coast of Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 1984287.1, lectotype (Willan 1993); 1984287/2-3, paralectotypes. — Current status: synonym of *Gari modesta* (Deshayes, 1855) [*Psammobia*] (E. A. Smith 1885: 95; Willan 1993: 23, fig. 83 – lectotype).

*minima*, *Capsa* – Deshayes, 1857-DescrCoqFoss: 386, 11 bis, pl. 11 bis, figs 29-31 [in text as pl. 16 bis, figs 81-33]; 1865-DescrCoqFoss: 665 [errors noted]. — Type localities: Montjavoult, Thiverval-Grignon, Houdan & Coincourt. — Type age: Eocene (Lutetian). — Type species (OD) of *Asaphinella* Cossmann, 1886. — Current status: *Asaphinella minima* (Deshayes, 1857) (Glibert & Van de Poel 1967: 126; Le Renard & Pacaud 1995: 71; Pacaud 2008: 93; Neveškaja et al. 2013: 377, fig. 138-5).

*minor*, *Capsa (Capsella)* – Deshayes, 1855c: 347. — Type locality: Manilla, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1984269.1, lectotype (Willan 1993); 1984269/2-4, 3 paralectotypes. Synonym of *Gari (Psammotaena) elongata* (Lamarck, 1818) [*Psammobia*] (Willan 1993: 61-62, fig. 250 – lectotype). — Current status: *Psammotaena minor* (Deshayes, 1854) (Qi 2004: 292, pl. 159, fig. A).

*modesta*, *Psammobia* – Deshayes, 1855c: 319. — Type locality: Moreton Bay, Queensland, Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 1984285.1, lectotype (Willan 1993); 1984285/2-3, paralectotypes. — Current status: *Gari modesta* (Deshayes, 1855) (Willan 1993: 23-26, figs 82 [lectotype]-93, 383).

*neglecta*, *Psammobia* – Deshayes, 1857-DescrCoqFoss: 375-376, 23, pl. 23, figs 5-7. — Type locality: Ludes. — Type age: Eocene (Priabonian). *Gobraeus neglectus* (Deshayes, 1857) (Glibert & Van de Poel 1967: 125). — Current status: *Gari (Psammotaena) neglecta* (Deshayes, 1857) (Le Renard & Pacaud 1995: 70; Pacaud & Ledon 2007: 11).

*nitens*, *Psammobia* – Deshayes, 1857-DescrCoqFoss: 380, 21, pl. 21, figs 27-28. — Type locality: Ormoy-la-Rivière. — Type age: Oligocene (Rupelian). — Current status: *Gari nitens* (Deshayes, 1857) (Lozouet & Maestrati 2012a: 258, 261, fig. 166: 5-8).

*nitida*, *Psammobia* – Deshayes, 1857-DescrCoqFoss: 370, 24, pl. 24, figs 1-2. — Type localities: Parnes, Thiverval-Grignon, Houdan, Hermonville & Coincourt. — Type age: Eocene (Lutetian). Synonym of *Soletellina appendiculata* (Lamarck, 1806) [*Solen*] (Cossmann 1886a: 89-90). — Current status: *Gari (Psammoica) appendiculata* (Lamarck, 1806) (Le Renard & Pacaud 1995: 70; Pacaud 2008: 93).

*nivosa*, *Psammobia* – Deshayes, 1855c: 317-318. — Type locality: Negros, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1984277.1, lectotype (Willan 1993); 1984277/2, paralectotype. — Current status: synonym of *Gari (Dysmea) occidens* (Gmelin, 1791) [*Solen*] (Willan 1993: 56-57, fig. 228 – lectotype).

*oblonga*, *Psammobia* – Deshayes, 1855c: 321. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 1984295, holotype. — Current status: synonym of the Red Sea *Soletellina rosea* (Gmelin, 1791) [*Solen*] (Huber 2010a: 331, 695), now *Hiatula rosea* (Gmelin, 1791).

*obtusalis*, *Donax* – Deshayes, 1825-DescrCoqFoss: 109-110, 9, pl. 18, figs 7-8; 1830b-EncyMeth: 101; 1835-HistNatAnim2: 251-252; 1839-HistNatAnim3: 583; 1857-DescrCoqFoss: 383-384, as *Psammobia obtusalis*. — Type localities: Pierrelaye & Beauchamp. — Type age: Eocene (Bartonian). *Psammodonax obtusalis* (Deshayes, 1825) (Glibert & Van de Poel 1967: 120). — Current status: *Gari (Psammodonax) obtusalis* (Deshayes, 1825) (Le Renard & Pacaud 1995: 70).

*oriens*, *Psammobia* – Deshayes, 1855c: 318. — Type locality: Japan; Cuming coll. — Type age: Recent. — Type material: NHMUK 1984277.1, lectotype (Willan 1993); 1984277/2, paralectotype. *Gari (Gobraeus) oriens* (Deshayes, 1855) (Willan 1993: 52-55, figs 214-216 [lectotype]-222, 395; Willan & Tagaro, in Poppe 2011: 350, pl. 1170, figs 4-5, who treated it as a subspecies of the West African *Gari castrensis* Spengler, 1794). *Gari (Gobraeus) oriens* (Deshayes, 1855) (Huber 2010a: 327). — Current status: *Gobraeus oriens* (Deshayes, 1855) (Matsukuma, in Okutani 2017: 1261-1262, pl. 555, fig. 2). Poppe (2018: 173) concluded that *Gari oriens* (Deshayes, 1855) should be used for the Indo-Pacific species, with *G. castrensis* (Spengler, 1794) restricted to the tropical eastern Atlantic.

*ornata*, *Psammobia* – Deshayes, 1855c: 323. — Type locality: Ticao Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196423, lectotype (Willan 1993); 196424/1-2, paralectotypes; 196425, 1 paralectotype; 196426, 2 paralectotypes. — Current status: synonym of *Gari maculosa* (Lamarck, 1818) [*Psammobia*] (Willan 1993: 26-27, fig. 100 – lectotype).

*pallida*, *Psammobia* – Deshayes, 1855c: 323-324. — Type locality: Red Sea; Cuming coll. — Type age: Recent. — Type material: NHMUK 1964046.1, lectotype (Willan 1993); 1964046/2, paralectotype; 1844.6.3.594, paralectotype. — Current status: *Gari pallida* (Deshayes, 1855) (Willan 1993: 19-22, figs 6, 7, 57 [lectotype]-75; Huber 2010a: 325; Willan & Tagaro, in Poppe 2011: 356, pl. 1173, figs 3-4; Matsukuma, in Okutani 2017: 1260-1261, pl. 554, fig. 6).



*palmula*, *Psammobia* – Deshayes, 1855c: 325-326. — Type locality: Sydney, Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 1985171, holotype. — Current status: synonym of *Gari squamosa* (Lamarck, 1818) [*Psammobia*] (Hedley 1913: 274; Willan 1993: 33, fig. 133 – lectotype), or separable *Grammatomya palmula* (Deshayes, 1855) (Matsukuma, in Okutani 2017: 1261, pl. 554, fig. 9, as *G. "palmura"*).

*papyracea*, *Psammobia* – Deshayes, 1857-DescrCoqFoss: 372. Replacement name for *Psammobia tellinella* (Deshayes, 1824) [*Solen*] (see below), non *P. tellinella* Lamarck, 1818.

*pennata*, *Psammobia* – Deshayes, 1855c: 325. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 1985169, holotype. — Current status: the Indo-Pacific *Gari pennata* (Deshayes, 1855) (Willan 1993: 31-33, figs 119 [holotype]-130, 386; Huber 2010a: 325; Severns 2011: 480, pl. 220, fig. 3; Willan & Tagaro, in Poppe 2011: 362, pl. 1176, figs 1-3; Boutet et al. 2020: 661).

*petalina*, *Psammobia* – Deshayes, 1855c: 320-321. — Type locality: China; Cuming coll. — Type age: Recent. — Type material: NHMUK 1984292.1, lectotype (Willan 1993); 1984292/2-3, paralectotypes. — Current status: *Soletellina petalina* (Deshayes, 1855) (Willan 1993: 82-83, figs 331 [lectotype]-335, 411; Huber 2010a: 331; Matsukuma, in Okutani 2017: 1262, pl. 555, fig. 8), now *Hiatula petalina* (Deshayes, 1855).

*praestans*, *Psammobia* – Deshayes, 1855c: 322-323. — Type locality: Moluccas Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196416, lectotype (Willan 1993); 196417, paralectotype. — Current status: synonym of *Gari maculosa* (Lamarck, 1818) [*Psammobia*] (Willan 1993: 26-27, fig. 98 – lectotype).

*puella*, *Psammobia* – Deshayes, 1855c: 320. — Type locality: Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 1984289, holotype. — Current status: synonym of *Gari livida* (Lamarck, 1818) [*Psammobia*] (Willan 1993: 41-42, fig. 161 – holotype).

*pulcherrima*, *Psammobia* – Deshayes, 1855c: 325. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 1985168, holotype. — Current status: the Indo-Pacific *Gari pulcherrima* (Deshayes, 1855) (Willan 1993: 35-37, figs 140 [holotype]-148, 388; Huber 2010a: 325; Willan & Tagaro, in Poppe 2011: 358, pl. 1174, figs 5-8; Matsukuma, in Okutani 2017: 1261, pl. 554, fig. 10).

*purpurea*, *Sanguinolaria* – Deshayes, 1855c: 346. — Type locality: none given [clarified as Guaymas, Mexico, by Coan 2002: 4]; Cuming coll. — Type age: Recent. — Type material: NHMUK 1966539.1-3, lectotype & 2 paralectotypes. — Current status: synonym of the Panamic *Sanguinolaria tellinoides* A. Adams, 1850 (Coan & Valentich-Scott 2012: 693).

*radiata*, *Capsa* (*Capsella*) – Deshayes, 1855c: 348. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1984267.1, lectotype (Willan 1993); 1984267/2-3, paralectotypes. — Current status: synonym of *Gari (Psammotaena) elongata* (Lamarck, 1818) [*Psammobia*] (Willan 1993: 61-62, fig. 253 – lectotype).

*rosacea*, *Capsa* (*Capsella*) – Deshayes, 1855c: 348. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1984275.1 lectotype (Willan 1993); 1984275/2-3, paralectotypes. — Current status: synonym of *Gari (Psammotaena) elongata* (Lamarck, 1818) [*Psammobia*] (Willan 1993: 61-62, fig. 254 – lectotype).

*rubicunda*, *Psammobia* – Deshayes, 1855c: 324. — Type locality: Ticao Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1984299.1, lectotype (Willan 1993);

1984299/2, paralectotype. Synonym of *Gari maculosa* (Lamarck, 1818) [*Psammobia*] (Willan 1993: 26, fig. 101 – lectotype).

*rufa*, *Capsa* (*Capsella*) – Deshayes, 1855c: 347-348. — Type locality: Manilla, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1984263.1, lectotype (Willan 1993); 1964263/2, paralectotype. — Current status: synonym of *Gari (Psammotaena) elongata* (Lamarck, 1818) [*Psammobia*] (Willan 1993: 61-62, fig. 252 – lectotype).

*solenella*, *Capsa* (*Capsella*) – Deshayes, 1855c: 349-350. — Type locality: Manilla, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1984271.1, lectotype (Willan 1993); 1984271/2-3, paralectotypes. — Current status: synonym of *Gari elongata* (Lamarck, 1818) [*Psammobia*] (Willan 1993: 61-62, fig. 255 – lectotype).

*spathula*, *Psammobia* – Deshayes, 1857-DescrCoqFoss: 382-383, 24, pl. 24, figs 3-5. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Current status: *Gari (Psammodonax) spathula* (Deshayes, 1857) (Le Renard & Pacaud 1995: 70; Pacaud 2008: 93).

*stampinensis*, *Psammobia* – Deshayes, 1857-DescrCoqFoss: 378, 23, pl. 23, figs 13-14. — Type localities: Morigny-Champigny, Etréchy. — Type age: Oligocene (Rupelian). Haesslet, Belgium; Délémont, Switzerland. — Current status: *Psammobia stampinensis* Deshayes, 1857 (Lozouet & Maestrati 2012a: 258, 261, figs 166: 1-4).

*striata*, *Psammobia* – Deshayes, 1855c: 321. — Type locality: Tasmania; Cuming coll. — Type age: Recent. — Type material: NHMUK 1842.11.2.8.9, 2 possible syntypes. — Current status: synonym of *Gari livida* (Lamarck, 1818) [*Psammobia*] (Willan 1993: 41-42, fig. 163 – possible syntype).

*tellinella*, *Solen* – Deshayes, 1824-DescrCoqFoss: 28, 2, pl. 4, figs 1-2, non *Psammobia tellinella* Lamarck, 1818; 1832-EncyMeth: 963; 1857-DescrCoqFoss: 372, *Psammobia papyracea*, replacement name, when he moved this *Solen* into *Psammobia*. — Type locality: Tanrou. — Type age: Eocene (Bartonian). *Macropsammus tellinella* (Deshayes, 1824) (Glibert & Van de Poel 1967: 126). *Gari (Psammoica) tellinella* (Deshayes, 1824) (Le Renard & Pacaud 1995: 70). — Current status: because Lamarck's species is now placed in *Gari*, this should once again be *Gari (Psammoica) papyracea* (Deshayes, 1857).

*tenera*, *Psammobia* – Deshayes, 1857-DescrCoqFoss: 372, 24, pl. 24, figs 6-8. — Type localities: Damery, Parnes & Hermonville. — Type age: Eocene (Lutetian). Synonym of *Soletellina appendiculata* (Lamarck, 1806) [*Solen*] (Cossmann 1886a: 89-90). — Current status: *Gari (Psammoica) appendiculata* (Lamarck, 1806) (Le Renard & Pacaud 1995: 70).

*tenuicula*, *Psammobia* – Deshayes, 1857-DescrCoqFoss: 380-381, 24, as *P. "tenuis"*, pl. 24, figs 12-14; 1866: 666 [error corrected]. — Type localities: Gentilly, Hermonville & La Chapelle-en-Serval. — Type age: Eocene (Bartonian). *Gobraeus tenuiculus* (Deshayes, 1857) (Glibert & Van de Poel 1967: 125). — Current status: *Gari (Psammotaena) tenuicula* (Deshayes, 1857) (Le Renard & Pacaud 1995: 70).

*tenuis*, *Capsa* (*Capsella*) – Deshayes, 1855c: 349. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1984274.1, lectotype (Willan 1993); 1984274/2, paralectotype. *Soletellina tenuis* (Deshayes, 1855) (Willan 1993: 76), now genus *Hiatula*. — Current status: synonym of *Gari virescens* (Deshayes, 1855) (Huber 2015: chapter 5 on CD).

*tenuis*, *Psammobia* – Deshayes, 1855c: 320. — Type localities: Philippine Islands & China (var.); Cuming coll. — Type age: Recent. — Type material: NHMUK 1984291.1/2, lectotype & paralectotype. — Current status: synonym of *Gari anomala* (Deshayes, 1855) (Willan 1993: 22, fig. 77 – lectotype).

*togata*, *Psammobia* – Deshayes, 1855c: 318. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1984280.1, lectotype; 1984280/2, paralectotype. *Gari (Psammotaena) togata* (Deshayes, 1855) (Willan 1993: 64-66, figs 269 [lectotype]-274, 401). — Current status: *Psammotaena togata* (Deshayes, 1854) (Qi 2004: 292, pl. 159, fig. D; Huber 2010a: 329; Willan & Tagaro, in Poppe 2011: 346, pl. 1168, fig. 6; Matsukuma, in Okutani 2017: 1261, pl. 554, fig. 15).

*tripartita*, *Psammobia* – Deshayes, 1855c: 321-322. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 196414, lectotype (Willan 1993); 196415/1-2, paralectotypes; 196416, paralectotype. — Current status: synonym of *Gari amethystus* (W. Wood, 1815) [*Solen*] (Willan 1993: 38-39, fig. 151 – lectotype).

*tristis*, *Psammobia* – Deshayes, 1855c: 318. — Type locality: Amboina; Cuming coll. — Type age: Recent. — Type material: NHMUK 1984282.1, lectotype (Willan 1993); 1984272/2, paralectotype. — Current status: synonym of *Gari (Gobraus) strangeri* (J. E. Gray, 1843) [*Psammobia*] (Willan 1993: 49-50, fig. 206 – lectotype).

*vaudini*, *Psammobia* – Deshayes, 1857-DescrCoqFoss: 383, 22, pl. 22, figs 12-14. — Type localities: Laon & Hérouval. — Type age: Eocene (Ypresian). *Psammodonax vaudini* (Deshayes, 1857) (Glibert & Van de Poel 1967: 120). — Current status: *Gari (Psammodonax) vaudini* (Deshayes, 1857) (Le Renard & Pacaud 1995: 70).

*virescens*, *Capsa (Capsella)* – Deshayes, 1855c: 349. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 1984270, 3 syntypes. *Soletellina virescens* (Deshayes, 1855) (Willan 1993: 76; Qi 2004: 292-293, pl. 159, fig. B), now genus *Hiatula*. — Current status: the southeast Asian *Gari (Psammotaena) virescens* (Deshayes, 1855) (Huber 2010a: 329).

*vitrea*, *Sanguinolaria* – Deshayes, 1855c: 326. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 1985172, 2 syntypes. — Current status: *Sanguinolaria vitrea* Deshayes, 1855 (Huber 2010a: 332-333, 696; 2015: 749) from Madagascar.

*zelandica*, *Psammobia* – Deshayes, 1855c: 319. — Type locality: New Zealand; Cuming coll. — Type age: Recent. — Type material: MNHN-IM-2000-35993, lectotype (Willan 1993); MNHN-IM-2000-35994, paralectotype. — Current status: synonym of *Gari (Gobraus) strangeri* (J. E. Gray, 1843) [*Psammobia*] (Powell 1979: 418; Willan 1993: 49-50, fig. 207 – lectotype).



*Psammotella* – H. Adams & A. Adams, 1856 (Adams & Adams 1856: 393), *ex* Deshayes ms, *non* Herrmannsen, 1852. — Type species (M): *Solen ruber Schroter*, 1788. — Current status: synonym of *Hiatula* Modeer, 1793.

#### REMARK

Deshayes apparently added manuscript names on labels in Cuming's material of this family, but he never published the species involved. Reeve then credited Deshayes with the following ms names, although Reeve must be considered their author. These Reeve species are listed here along with one other species credited as “*ex* Deshayes ms”.

*acuminata*, *Soletellina* – Reeve, 1857a: pl. 3, fig. 12, *ex* Deshayes ms. *Soletellina acuminata* Reeve, 1857 (Willan 1993: 75). — Current status: synonym of *Hiatula diphos* (Linnaeus, 1771) [*Solen*] (Huber, 2015: chapter 5 on CD), the type species of *Hiatula* Modeer, 1793.

*adamsii*, *Soletellina* – Reeve, 1857a: pl. 2, fig. 5, *ex* Deshayes ms. — Current status: *Soletellina adamsii* (Reeve, 1857) (Willan 1993: 75).

*ambigua*, *Psammotella* – Reeve, 1857b: pl. 1, fig. 5, *ex* Deshayes ms. — Current status: *Soletellina ambigua* Reeve, 1857 (Willan 1993: 67), now *Hiatula ambigua* (Reeve, 1857).

*appendiculatus*, *Solen (Macropsammus)* – Listed by Cossmann & Peyrot (1910: 295, fig. 44) as a Deshayes species, it was actually made available by Lamarck, 1806. Lamarck's species is the type species (OD) of *Psammoica* Dall, 1900, *non* Solier, 1835 [Coleoptera], which was renamed *Macropsammus* Cossmann, 1902. — Current status: *Macropsammus appendiculatus* (Lamarck, 1806).

*atrata*, *Soletellina* – Reeve, 1857a: pl. 3, fig. 14, *ex* Deshayes ms. *Soletellina atrata* Reeve, 1857 (Willan 1993: 75; Huber 2010a: 330). Matsukuma, in Okutani (2017: 1262), attributed this species to “Deshayes in Reeve”. — Current status: *Hiatula atrata* (Reeve, 1857).

*cumingiana*, *Soletellina* – Reeve, 1857a: pl. 1, fig. 4, *ex* Deshayes ms. *Soletellina cumingiana* Reeve, 1857 (Willan 1993: 75). — Current status: synonym of *Hiatula adamsii* (Reeve, 1857) (Huber 2015: chapter 5 on CD).

*epidermia*, *Soletellina* – Reeve, 1857a: pl. 1, fig. 3, *ex* Deshayes ms. — Current status: synonym of *Soletellina biradiata* (W. Wood, 1815) [*Solen*] (Willan 1993: 77), now *Hiatula biradiata* (W. Wood, 1815).

*incerta*, *Soletellina* – Reeve, 1857a: pl. 3, fig. 13, *ex* Deshayes ms. — Current status: synonym of *Soletellina alba* (Lamarck, 1818) [*Psammobia*] (Willan 1993: 79), now *Hiatula alba* (Lamarck, 1818).

*japonica*, *Soletellina* – Reeve, 1857a: pl. 4, fig. 16, *ex* Deshayes ms. — Current status: *Nuttallia japonica* (Reeve, 1857) (Huber 2010a: 331). Kantor & Sysoev (2005: 362), as “Deshayes in Reeve”.

*malaccensis*, *Psammotella* – Reeve, 1857b: pl. 1, fig. 2, *ex* Deshayes ms. — Current status: synonym of *Hiatula ambigua* (Reeve, 1857) (Willan 1993: 67).

*nymphalis*, *Soletellina* – Reeve, 1857a: pl. 1, fig. 2, *ex* Deshayes ms. — Current status: synonym of *Soletellina biradiata* (W. Wood, 1815) [*Solen*] (Willan 1993: 77), now *Hiatula biradiata* (W. Wood, 1815).

*oblonga*, *Psammotella* – Reeve, 1857b: pl. 1, fig. 7, *ex* Deshayes ms. — Current status: synonym of *Hiatula rosea* (Gmelin, 1791) [*Solen*] (Huber 2015: chapter 5 on CD).

*obscurata*, *Soletellina* – Reeve, 1857a: pl. 4, fig. 21, *ex* Deshayes ms. — Current status: *Nuttallia obscurata* (Reeve, 1857) (Huber 2010a: 331). Kantor & Sysoev (2005: 362) cited this as “Deshayes in Reeve”.

*ovalina*, *Donax* – Reeve, 1854d: pl. 3, fig. 17, *ex* Deshayes ms. No locality indicated. Deshayes, 1855c: 352. Central America; Cuming coll. — Current status: Synonym of *Heterodonax pacificus* (Conrad, 1837) [*Psammobia*] (Coan & Valentich-Scott 2012: 689).

*philippinensis*, *Psammotella* – Reeve, 1857b: pl. 1, fig. 1, *ex* Deshayes ms. — Current status: synonym of *Hiatula ambigua* (Reeve, 1857) (Willan 1993: 67).

*subradiata*, *Psammotella* – Reeve, 1857b: pl. 1, fig. 6, *ex* Deshayes ms. — Current status: synonym of *Hiatula ambigua* (Reeve, 1857) (Willan 1993: 67).

*tellinaeformis*, *Psammobia* – Reeve, 1856: pl. 5, fig. 31, *ex* Deshayes ms. — Current status: synonym of *Gari livida* (Lamarck, 1818) [*Psammobia*] (Willan 1993: 41).

*tumens*, *Soletellina* – Reeve, 1857a: pl. 4, fig. 20, *ex* Deshayes ms. — Current status: *Soletellina tumens* Reeve, 1857 (Willan 1993: 89), now *Hiatula tumens* (Reeve, 1857).



Family SEMELIDAE Stoliczka, 1870 [1825]

*Calcinella* – Deshayes, 1830a-EncyMeth: 164, *ex* Adanson ms. Not used as a valid taxon. Listed in the synonymy of *Scrobicularia* Schumacher, 1815.

NOTE

*Syndosmya* P. Fischer, 1887, is now regarded as a synonym of *Abra* Lamarck, 1818.

*bazini*, *Thracia*? – Deshayes, 1857-DescrCoqFoss: 267, 15, pl. 15, fig. 3. — Type locality: Muirancourt. — Type age: Eocene (Ypresian). In proposing this species, Deshayes said that it might be the same as *Thracia* “*condamini*” (Morris, 1854), that is, *Psammobia condamini* Morris (1854: 158-159, pl. 2, fig. 15, from Paleocene of England, which seems to be the case. — Current status: synonym of *Scrobicularia condamini* (Morris, 1854) (S. V. Wood 1877: 21, pl. A, fig. 1; Cossmann 1886a: 68).

*borbonica*, *Amphidesma* – Deshayes, 1863: 10-11, pl. 1, figs 18-19. — Type locality: La Réunion. — Type age: Recent. — Current status: synonym of *Semele australis* (G. B. Sowerby I, 1833) [*Amphidesma*] (Huber 2010a: 340, 697-698).

*brevis*, *Syndosmya* – Deshayes, 1857-DescrCoqFoss: 311-312, 16, pl. 16, figs 14-17, *non* (Bosquet, 1852) [*Ligula*]. — Type localities: Le Guépelle & Valmondois. — Type age: Eocene (Bartonian). *Syndosmya deshayesi* Bosquet, 1864, replacement name (p. 801, footnote 1). Unnecessarily additionally renamed as *Syndosmya brachyrhyncha* Cossmann, 1886a (Cossmann 1886a: 66; 1886b: 102). Preoccupies *Syndosmya segmentum brevis* P. Fischer, 1867. — Current status: *Abra deshayesi* (Bosquet, 1864) (Pacaud & Le Renard 1995: 182; Le Renard & Pacaud 1995: 69).

*cuspidata*, *Tellina* – Deshayes, 1855c: 360, *non* Olivi, 1792. — Type locality: Chusan, China; Cuming coll. — Type age: Recent. — Type material: NHMUK 20230058, 3 syntypes. — Current status: synonym of the Indo-Pacific *Leptomya pura* (Angas, 1871) [*Neaera* (*Leptomya*)] (Huber 2015: 752; Xu & Zhang 2018: 170-171, pl. 14, fig. 5).

*deltoidea*, *Syndosmya* – Deshayes, 1857-DescrCoqFoss: 310-311; 1858-DescrCoqFoss: 16 bis, pl. 16 bis, figs 22-24. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Current status: *Abra deltoidea* (Deshayes, 1857) (Glibert & Van de Poel 1967: 84; Le Renard & Pacaud 1995: 69).

*depressa*, *Syndosmya* – Deshayes, 1857-DescrCoqFoss: 314, 16, pl. 16, figs 9-12. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Abra depressa* (Deshayes, 1857) (Le Renard & Pacaud 1995: 69; Pacaud 2008: 93).

*difficilis*, *Syndosmya* – Deshayes, 1857-DescrCoqFoss: 309-310; 1858-DescrCoqFoss: 16 bis, pl. 16 bis, figs 25-27. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Abra difficilis* (Deshayes, 1857) (Le Renard & Pacaud 1995: 69; Pacaud 2008: 93).

*donacina*, *Syndosmya* – Deshayes, 1857-DescrCoqFoss: 305; 1858-DescrCoqFoss: 305, 16 ter, pl. 16 bis, figs 28-30. — Type locality: Jeurre. — Type age: Oligocene (Rupelian). — Current status: *Abra donacina* (Deshayes, 1857) (Lozouet & Maestrati 2012a: 262-263, fig. 167: 13-16).

*elegans*, *Syndosmya* – Deshayes, 1857-DescrCoqFoss: 303, 16 bis, pl. 16 bis, figs 4-6. — Type locality: Jeurre. — Type age: Oligocene (Rupelian). — Type material: MNHN.F.J04135, syntype. — Current status: *Abra elegans* (Deshayes, 1857) (Lozouet & Maestrati 2012a: 262-263, fig. 167: 1-4).

*exilis*, *Syndosmya* – Deshayes, 1857-DescrCoqFoss: 307; 1858-DescrCoqFoss: 16 bis, pl. 16 bis, figs 7-9. Ver-sur-Launette. — Type age: Eocene (Bartonian). — Current status: *Abra exilis* (Deshayes, 1857) (Glibert & Van de Poel 1967: 84; Le Renard & Pacaud 1995: 69).

*grandis*, *Cumingia* – Deshayes, 1857b: 281-282, pl. 8, figs 4-5. — Type locality: Chile. — Type age: Recent. — Current status: synonym of *Cumingia mutica* G. B. Sowerby I, 1833 (Huber 2015: chapter 5 on CD; Valentich-Scott *et al.* 2020: 266).

*lamberti*, *Syndosmya* – Deshayes, 1857-DescrCoqFoss: 304, 16, pl. 16, figs 5-8. — Type locality: Mercin-et-Vaux. — Type age: Eocene (Ypresian). — Current status: *Abra lamberti* (Deshayes, 1857) (Le Renard & Pacaud 1995: 69).

*macrodonta*, *Syndosmya* – Deshayes, 1857-DescrCoqFoss: 313; 1858-DescrCoqFoss: 16 bis, pl. 16 bis, figs 10-12. Mercin-et-Vaux. — Type age: Eocene (Ypresian). — Current status: *Abra macrodonta* (Deshayes, 1857) (Le Renard & Pacaud 1995: 69).

*media*, *Syndosmya* – Deshayes, 1857-DescrCoqFoss: 308-309; 1858-DescrCoqFoss: 16 bis, pl. 16 bis, figs 16-18. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Current status: *Abra media* (Deshayes, 1857) (Le Renard & Pacaud 1995: 69; Pacaud 2008: 93).

*modesta*, *Syndosmya* – Deshayes, 1857-DescrCoqFoss: 308; 1858-DescrCoqFoss: 16 bis, pl. 16 bis, figs 1-3. — Type locality: Jeurre. — Type age: Oligocene (Rupelian). — Current status: *Abra modesta* (Deshayes, 1857) (Lozouet & Maestrati 2012a: 262-263, fig. 167: 5-8).

*obscura*, *Amphidesma* – Deshayes, 1863: 9-10, pl. 1, figs 16-17. — Type locality: La Réunion. — Type age: Recent. — Current status: synonym of *Semele australis* (G. B. Sowerby I, 1833) [*Amphidesma*] (Huber 2010a: 340, 697-698).

*obtusa*, *Syndosmya* – Deshayes, 1857-DescrCoqFoss: 309, 16, pl. 16, figs 16-19. Parnes. — Type age: Eocene (Lutetian). — Current status: *Abra obtusa* (Deshayes, 1857) (Le Renard & Pacaud 1995: 69; Pacaud 2008: 93).

*ovata*, *Amphidesma* – Deshayes, 1833b: 231, “pl. 6, figs 6-8”, *nomen nudum*; 1835b: 89-90, pl. 20, figs 6-8. — Type locality: Peloponnese Peninsula, Greece. — Type age: Subapennine Formation, Pliocene. — Current status: *taxon inquirendum*.

*pellicula*, *Syndosmya* – Deshayes, 1857-DescrCoqFoss: 307-308, 16, pl. 16, figs 20-23. — Type locality: Jeurre. — Type age: Oligocene (Rupelian). — Current status: synonym of *Abra donacina* (Deshayes, 1857) [*Syndosmya*] (Pacaud herein).

*raulini*, *Syndosmya* – Deshayes, 1857-DescrCoqFoss: 303-304, 16, pl. 16, figs 1-4. Jeurre. — Type age: Oligocene (Rupelian). — Current status: *Abra raulini* (Deshayes, 1857) (Glibert & Van de Poel 1967: 86; Lozouet & Maestrati 2012a: 262-263, fig. 167: 9-12).

*recluzii*, *Syndosmya* – Deshayes, 1857-DescrCoqFoss: 305-306, 16, pl. 16, figs 13-15. — Type localities: Thiverval-Grignon, Parnes & Boursault. — Type age: Eocene (Lutetian). — Current status: *Abra recluzii* (Deshayes, 1857) (Glibert & Van de Poel 1967: 86; Le Renard & Pacaud 1995: 69; Pacaud 2008: 93).

*sandbergeri*, *Syndosmya* – Deshayes, 1857-DescrCoqFoss: 312-313, 16, pl. 16, figs 28-30. Etréchy & Jeurre. — Type age: Oligocene (Rupelian). — Current status: synonym of *Abra modesta* (Deshayes, 1857) [*Syndosmya*] (Pacaud herein).

*striatula*, *Syndosmya* – Deshayes, 1857-DescrCoqFoss: 311; 1858-DescrCoqFoss: 16 bis, pl. 16 bis, figs 19-21. — Type localities: Laon, Aizy-Jouy & Mercin-et-Vaux. — Type age: Eocene (Ypresian). — Current status: *Abra striatula* (Deshayes, 1857) (Glibert & Van de Poel 1967: 86; Le Renard & Pacaud 1995: 69).

*subtrigona*, *Amphidesma* – Deshayes, 1833b: 231, “pl. 6, figs 3-5”, *nomen nudum*; 1835b: 89, pl. 20, figs 3-5. — Type locality: Peloponnese Peninsula, Greece. — Type age: Subapennine Formation, Pliocene. — Current status: *taxon inquirendum*.

*suessoniensis*, *Syndosmya* – Deshayes, 1857-*DescrCoqFoss*: 306; 1858-*DescrCoqFoss*: 16 bis, pl. 16 bis, figs 13-15. — Type locality: Mercin-et-Vaux. — Type age: Eocene (Ypresian). — Current status: *Abra suessoniensis* (Deshayes, 1857) (Glibert & Van de Poel, 1967: 86; Le Renard & Pacaud 1995: 69).

*tellinooides*, *Erycina* – Deshayes, 1824-*DescrCoqFoss*: 43-44, 3, pl. 6, figs 10-12; 1830b-*EncyMeth*: 119; 1835-*HistNatAnim2*: 119; 1839-*HistNatAnim3*: 541. — Type localities: Thiverval-Grignon, Parnes, Mouchy-le-Châtel, Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Type material: MNHN.F.A50175, syntypes (Lamarck coll.). A new species possibly established because of the homonymy of *Abra* (*Abra pusilla* (Lamarck, 1806) [*Tellina*], *non Tellina pusilla* Gmelin, 1791 (Glibert & Van de Poel 1967: 85), but Deshayes did not mention the earlier homonym. — Current status: now *Abra tellinooides* (Deshayes, 1824).



*purpurea*, *Ervilia* – E. A. Smith, 1906: 66-67, 71, pl. 8, figs 10-11, *ex* Deshayes ms. — Type locality: Dahlak Archipelago, Red Sea. — Type age: Recent. A name was evidently placed on some NHMUK Red Sea specimens by Deshayes, but he never published it. It became a *nomen nudum* in G. B. Sowerby III (1904: 15). Smith (1906: 66) was the first to make the name available. — Current status: *Ervilia purpurea* E. A. Smith, 1906 (Oliver 1992: 168, pl. 31; Huber 2010a: 345, 702)

#### Family SOLECURTIDAE d’Orbigny, 1846

*dilatatus*, *Solecurtus* – Deshayes, 1860c: 383-384, pl. 14, figs 5-6, *ex* Sismonda ms. — Type locality: Alsace. — Type age: Pliocene. A *nomen nudum* in Sismonda (1842: 16; 1847: 21, both as *ex* F. A. Bonelli ms). — Current status: *Solecurtus dilatatus* Deshayes, 1860 (Raffi *et al.* 1985: 375, as *S. dilatatus* “Bonelli”).

*lamarckii*, *Solecurtus*; see following entry.

*parisiensis*, *Solen* (*Solecurtus*) – Deshayes, 1835-*HistNatAnim2*: 63; 1839-*HistNatAnim3*: 524; 1839-*TraitElem-1*(2): 123, 4, pl. 6, figs 14-15, as *Solecurtus lamarckii*, changed for unknown reasons. A new species based on *Solen strigilatus* Linnaeus, 1758, the Recent type species of *Solecurtus* Blainville, 1824, but as used by Lamarck (1806) for Paris Basin fossil material, as well as his own earlier reference to this species (Deshayes, 1824-*DescrCoqFoss*: 28, pl. 2, figs 22-23). — Type localities: near Paris; Valognes & Belgium. — Type age: Eocene (Lutetian). — Current status: synonym of *Solecurtus deshayesii* Des Moulins, 1832 (Des Moulins 1832: 106, new species based on *Solen strigilatus* Linnaeus, 1758, of Deshayes (1824-*DescrCoqFoss*: 27), *non* Linnaeus, 1758) (Glibert 1936: 155-157, pl. 5, fig. 10, as “*Solenocurtus*”, an unjustified emendation of *Solecurtus*).

*quoyi*, *Solen* – Deshayes, 1835-*HistNatAnim2*: 63; 1839-*HistNatAnim3*: 524. — Type locality: southern Pacific Ocean. — Type age: Recent. This new species was probably proposed because he thought that *Solen albus* Quoy & Gaimard, 1835 [which he mistakenly listed as *Solen candidus*, a name that does not appear in Quoy & Gaimard], was a junior homonym, *non Solen albus* (Martyn, 1787) [*Tellina*] (Huber 2010a: 704). However, with only 11 exceptions, Martyn’s names are unavailable (ICZN Opinions 456 & 479, 1957; Opinion 1662, 1992), and this is not one of the 11; there is no other preoccupying name for a *Solen*. According to Huber, there is a specimen in the MNHN that may be a syntype. — *Solecurtus quoyi* Deshayes, of G. B. Sowerby II, 1874: pl. 2,

fig. 5, is a different species that Huber (2010a: 704, unavailable; 2010b: 7-8, available) named *Solecurtus quaveritus*. — Current status: both taxa are now considered synonyms of *Solecurtus rhombus* (Spengler, 1794) [*Solen*] (Huber 2010a: 348). However, Poppe (2018: 193) stated that *S. rhombus* and *S. quoyi* “are two different valid species;” the Deshayes species was illustrated by Poppe (2011: 366, pl. 1178, figs 5-6).

#### Family UNGULINIDAE J. E. Gray, 1854

*adansoni*, *Cyclina* – Deshayes, 1853a: 32. — Type locality: Senegal. — Type age: Recent. This was proposed by Deshayes in his Veneridae catalogue, based on Adanson’s unavailable “*chama felan*”. The first name available for this species was *Venus diaphana* Gmelin, 1791. — Current status: *Diplodonta diaphana* (Gmelin, 1791) and the Deshayes species belongs in its synonymy (Cosel & Gofas 2019: 828-829, fig. 16.25).

*aizyensis*, *Diplodonta* – Deshayes, 1857-*DescrCoqFoss*: 47, pl. 47, figs 13-16; 1858-*DescrCoqFoss*: 612-613. — Type localities: Aizy-Jouy & Cœuvres-et-Valsery. — Type age: Eocene (Ypresian). *Diplodonta* (*Zemysina*) *aizyensis* Deshayes, 1857 (Glibert & Van de Poel 1967: 7). — Current status: *Phlyctiderma aizyense* (Deshayes, 1857) (Le Renard & Pacaud 1995: 75).

*auversiensis*, *Diplodonta* – Deshayes, 1857-*DescrCoqFoss*: 46, pl. 46, figs 20-22; 1858-*DescrCoqFoss*: 617-618. — Type localities: Auvers-sur-Oise & Valmondois. — Type age: Eocene (Bartonian). — Current status: *Diplodonta* (*Diplodonta*) *auversiensis* Deshayes, 1857 (Le Renard & Pacaud 1995: 75).

*bidens*, *Diplodonta* – Deshayes, 1857-*DescrCoqFoss*: 42, pl. 42, figs 17-19, 45, pl. 45, figs 28-30; 1858-*DescrCoqFoss*: 619-620. — Type localities: Hermonville, Damery, Fleury-la-Rivière, Le Fayel & Caumont. — Type age: Eocene (Lutetian-Bartonian). — Current status: *Diplodonta* (*Zemysia*) *bidens* Deshayes, 1857 (Glibert & Van de Poel 1967: 11; Le Renard & Pacaud 1995: 76; Pacaud 2008: 87).

*biimpresa*, *Diplodonta* – Deshayes, 1857-*DescrCoqFoss*: 45, pl. 45, figs 22-24; 1858-*DescrCoqFoss*: 618. — Type localities: Cuise-la-Motte & Retheuil. — Type age: Eocene (Ypresian). — Current status: *Felaniella* (*Felaniella*) *biimpresa* (Deshayes, 1857) (Glibert & Van de Poel 1967: 9; Le Renard & Pacaud 1995: 76).

*brochii*, *Lucina* – Deshayes, 1850-*TraitElem*: 786. New species based on *Lucina globosa* (Gmelin, 1791), of Brocchi, 1814 (Brocchi 1814: 553-554), *non* (Gmelin, 1791) [*Venus*]. — Type locality: Andona, Italy. — Type age: not stated. — Type material: Museo Civico di Storia Naturale di Milano (MCSN) 442, lectotype, Brocchi’s specimen. Name should be corrected to *L. brochii* because it was clearly misspelled, having been named for Brocchi (ICZN Code Art. 32.5). *Diplodonta* (*Zemysina*) *brochii* (Deshayes, 1850) (Glibert & Van de Poel 1967: 7). — Current status: *Diplodonta brochii* (Deshayes, 1850) (Carrozza 1983: 141-144, fig. 1, lectotype; Sabelli *et al.* 1990: 302; Cossignani & Ardovalini 2011: 53, 440; Janssen & Krylova 2014: 76; Huber 2015: 329; Cosel & Gofas 2019: 824-825; Alf & Haszprunar, in Alf *et al.* 2020: 390-391, pl. 382).

*coelata*, *Diplodonta* – Deshayes, 1857-*DescrCoqFoss*: 47, pl. 47, fig. 24; 1858-*DescrCoqFoss*: 614-615. — Type locality: Noailles. — Type age: Paleocene (Thanetian). — Current status: *Diplodonta* (*Diplodonta*) *coelata* Deshayes, 1857 (Glibert & Van de Poel 1967: 5; Le Renard & Pacaud 1995: 75).

*consors*, *Diplodonta* – Deshayes, 1857-*DescrCoqFoss*: 46, pl. 46, figs 13-16; 1858-*DescrCoqFoss*: 622-623. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). *Felaniella* (*Bruetia*) *consors* (Deshayes, 1857) (Glibert & Van de Poel 1967: 11-12). — Current status: *Bruetia consors* (Deshayes, 1857) (Le Renard & Pacaud 1995: 76; Pacaud 2008: 87).



*decipiens*, *Diplodonta* – Deshayes, 1857-DescrCoqFoss: 46, pl. 46, figs 27-29; 1858-DescrCoqFoss: 615-616. — Type localities: Thiverval-Grignon, Parnes & Damery. — Type age: Eocene (Lutetian). Deshayes noted that he had figured this species as *Lucina renulata* Lamarck, 1806, in his first Paris Basin edition (1825-DescrCoqFoss: 93-94). Pezant (1911: 110) proposed *Diplodonta depulsa* as replacement name for “*Diplodonta renulata* Desh. non Lam.”, which would make it a synonym of *Diplodonta decipiens* Deshayes. — Current status: *Diplodonta (Zemysina) decipiens* Deshayes, 1857 (Glibert & Van de Poel 1967: 7; Le Renard & Pacaud 1995: 75; Pacaud 2008: 87).

*duplicata*, *Diplodonta* – Deshayes, 1857-DescrCoqFoss: 45, pl. 45, figs 25-27; 1858-DescrCoqFoss: 619. — Type localities: Abbecourt & Noailles. — Type age: Paleocene (Thanetian). — Current status: *Felaniella (Zemysina) duplicata* (Deshayes, 1857) (Glibert & Van de Poel 1967: 11; Le Renard & Pacaud 1995: 76).

*eudora*, *Diplodonta* – Deshayes, 1857-DescrCoqFoss: 46, as *D. eurorae*, pl. 46, figs 4-6; 1858-DescrCoqFoss: 621. — Type localities: Aizy-Jouy, Hérouval & Mercin-et-Vaux. — Type age: Eocene (Ypresian). — Current status: *Felaniella (Felaniella) eudora* (Deshayes, 1857) (Glibert & Van de Poel 1967: 10; Le Renard & Pacaud 1995: 76).

*fragilis*, *Diplodonta* – Deshayes, 1857-DescrCoqFoss: 46, pl. 46, figs 7-9; 1858-DescrCoqFoss: 623, non Braun, 1850. — Type localities: Châlons-sur-Vesle & Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). *Diplodonta catalaunensis* Cossmann & Lambert, 1884 (Cossmann & Lambert 1884: 87), unnecessary replacement name because there is an available synonym. — Current status: synonym of *Bruetia inaequalis* (Deshayes, 1857) (Pacaud herein).

*grata*, *Diplodonta* – Deshayes, 1857-DescrCoqFoss: 47, pl. 47, figs 3-5; 1858-DescrCoqFoss: 611-612. — Type localities: Mouchy-le-Châtel, Les Groux & Parnes. — Type age: Eocene (Lutetian). — Current status: *Diplodonta (Zemysina?) grata* Deshayes, 1857 (Glibert & Van de Poel 1967: 8). *Phlyctiderma gratum* (Deshayes, 1857) (Le Renard & Pacaud 1995: 75).

*grignonensis*, *Diplodonta* – Deshayes, 1857-DescrCoqFoss: 47, pl. 47, figs 9-12; 1858-DescrCoqFoss: 616-617. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). *Diplodonta grignonensis* Deshayes, 1857 (Cossmann & Peyrot, 1912b: 244). *Timothyus? grignonensis* (Deshayes, 1857) (Chavan, 1962: 16). — Current status: synonym of *Diplodonta (Zemysina) decipiens* Deshayes, 1857 (Glibert & Van de Poel 1967: 7; Le Renard & Pacaud 1995: 75).

*guyerdeti*, *Diplodonta* – Deshayes, 1866b: 330, 332, 336-337, pl. 7, fig. 2. — Type locality: Montmartre. — Type age: Eocene (Bartonian). — Current status: *Diplodonta (?Zemysina) guyerdeti* Deshayes, 1866 (Le Renard & Pacaud 1995: 75).

*herouvallensis*, *Goodallia* – Deshayes, 1858-DescrCoqFoss: 63, pl. 63, figs 27-29 [fig. 29 not cited in text]; 1860-DescrCoqFoss: 786; 1865-DescrCoqFoss: 665 [error noted]. — Type locality: Hérouval. — Type age: Eocene (Ypresian). — Type species (SD Dall, 1903) of *Microstagon* Cossmann, 1896. *Microstagon herouvalense* [sic] (Deshayes, 1858) (Glibert & Van de Poel 1970: 1967: 4). — Current status: *Microstagon herouvallense* (Deshayes, 1858) (Le Renard & Pacaud 1995: 80).

*inaequalis*, *Diplodonta* – Deshayes, 1857-DescrCoqFoss: 46, pl. 46, figs 10-12; 1858-DescrCoqFoss: 623-624. — Type localities: Châlons-sur-Vesle & Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). 1858: 552. *Felaniella (Bruetia) inaequalis* (Deshayes, 1857) (Glibert & Van de Poel 1967: 12). — Current status: *Bruetia inaequalis* (Deshayes, 1857) (Le Renard & Pacaud 1995: 76).

*incrassata*, *Goodallia* – Deshayes, 1858-DescrCoqFoss: 59, pl. 59, figs 18-20; 1860-DescrCoqFoss: 785. — Type locality: Hérouval. — Type age: Eocene (Ypresian). — Current status: *Microstagon laevigatum* [Deshayes, 1858] *incrassatum* (Deshayes, 1858) (Le Renard & Pacaud 1995: 80).

*ingens*, *Diplodonta* – Deshayes, 1857-DescrCoqFoss: 47, pl. 47, figs 1-2; 1858-DescrCoqFoss: 611. — Type locality: Chalons-sur-Vesle. — Type age: Paleocene (Thanetian). — Current status: *Diplodonta (Zemysina) ingens* Deshayes, 1857 (Glibert & Van de Poel 1967: 8; Le Renard & Pacaud 1995: 75; Leroy et al. 2014: 28, pl. 11, fig. 5a-b).

*laevigata*, *Goodallia* – Deshayes, 1858-DescrCoqFoss: 63, pl. 63, figs 24-26; 1860-DescrCoqFoss: 784. — Type localities: Parnes, Chaumont-en-Vexin & Les Groux. — Type age: Eocene (Lutetian). — Current status: *Microstagon laevigatum* (Deshayes, 1858) (Glibert & Van de Poel 1967: 4-5; Le Renard & Pacaud 1995: 80).

*laevigata*, *Lucina* – Deshayes, 1825-DescrCoqFoss: 94, 7, pl. 15, figs 9-10; 1832-EncyMeth: 374; 1858-DescrCoqFoss: 620, as *Diplodonta*. — Type locality: Abbecourt. — Type age: Paleocene (Thanetian). — Current status: *Felaniella (Felaniella) laevigata* (Deshayes, 1825) (Glibert & Van de Poel 1967: 10; Le Renard & Pacaud 1995: 76; Leroy et al. 2014: 28, pl. 11, fig. 4a-b).

*lamberti*, *Diplodonta* – Deshayes, 1857-DescrCoqFoss: 47, pl. 47, figs 6-8; 1858-DescrCoqFoss: 616. — Type localities: Mercin-et-Vaux, Cuise-la-Motte & Hérouval. — Type age: Eocene (Ypresian). — Current status: *Diplodonta (Zemysina) lamberti* (Deshayes, 1857) (Glibert & Van de Poel 1967: 8; Le Renard & Pacaud 1995: 75).

*lenticularis*, *Cyrenella* – Deshayes, 1855c: 341. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 20110007, 3 probable syntypes. — Current status: *taxon inquirendum* (Huber 2015: chapter 5 on CD).

*lucinoides*, *Venus* – Deshayes, 1825-DescrCoqFoss: 146-147, 12, pl. 23, figs 12-13; 1832-EncyMeth: 1123; 1835-HistNatAnim2: 379; 1839-HistNatAnim3: 620; 1850-TraitElem: 818; 1857-TraitElem: iv, pl. 14 bis, figs 10-12, as *Cyrenella*; 1858-DescrCoqFoss: 612, as *Diplodonta*. — Type locality: La Chapelle-en-Serval. — Type age: Eocene (Bartonian). — Current status: *Phlyctiderma lucinoides* (Deshayes, 1825) (Le Renard & Pacaud 1995: 75).

*moretonensis*, *Cyrenella* – Deshayes, 1855c: 341. — Type locality: Moreton Bay, Queensland, Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 201105, syntype. *Joannisiella moretonensis* (Deshayes, 1855) (Hedley 1913: 267, pl. 16, figs 11-15). — Current status: synonym of *Joannisiella cumingii* (Hanley, 1846) [*Cyrenoidea*] (Huber 2015: chapter 5 on CD).

*oblonga*, *Cyrenella* – Deshayes, 1855c: 341, ex Sowerby ms. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type species (OD) of *Joannisia* Dall, 1895, non Monterosato, 1888; *Joannisiella* Dall, 1895, replacement name. — Current status: synonym of *Joannisiella oblonga* (Hanley, 1846) [*Cyrenoidea*] (Huber 2015: chapter 5 on CD).

*philippinarum*, *Cyrenella* – Deshayes, 1855c: 340, ex Sowerby ms. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1963550, 3 probable syntypes. — Current status: *Joannisiella philippinarum* (Deshayes, 1855) (Huber 2015: 342).

*pisiformis*, *Cyrenella* – Deshayes, 1855c: 341. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 20110006, 1 syntype. — Current status: *Zemysina pisiformis* (Deshayes, 1855) (Huber 2015: chapter 5 on CD).

*profunda*, *Lucina* – Deshayes, 1850-TraitElem: 782. Bordeaux. — Type age: Miocene (Burdigalian). New species based on *Lucina renulata* Lamarck, 1806, of Basterot (1825: 88), *non* Lamarck, 1806. — Type material: MNHN.F.A13827, syntypes. Preoccupies *Lucina profunda* Dufour, 1881, which was renamed *Gibbolucina aremorica* Pacaud, 2020 (Pacaud 2020c: 36). — Current status: *Diplodonta profunda* (Deshayes, 1850) (Pacaud 2020c: 37).

*profunda*, *Diplodonta* – Deshayes, 1857-DescrCoqFoss: 46, pl. 46, figs 30-33; 1858-DescrCoqFoss: 617, *non* *Diplodonta profunda* (Deshayes, 1850) [*Lucina*]. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Diplodonta* (*Diplodonta profunda*) Deshayes, 1857 (Le Renard & Pacaud 1995: 75; Pacaud 2008: 87). *Diplodonta oesia* Pacaud, 2020, replacement name (Pacaud 2020c: 38).

*punctatissima*, *Diplodonta* – Deshayes, 1857-DescrCoqFoss: 47, pl. 47, figs 17-20; 1858-DescrCoqFoss: 613. — Type localities: Vregny & Mercin-et-Vaux. — Type age: Eocene (Ypresian). — Current status: synonym of *Mysia aizyensis* (Deshayes, 1857) (Cossmann 1887: 18-19). *Phlyctiderma aizyense* (Deshayes, 1857) (Le Renard & Pacaud 1995: 75).

*saincenyensis*, *Diplodonta* – Deshayes, 1857-DescrCoqFoss: 46, pl. 46, figs 17-19; 1858-DescrCoqFoss: 622. — Type locality: Sinceny. — Type age: Eocene (Ypresian). — Current status: *Bruetia saincenyensis* (Deshayes, 1857) (Le Renard & Pacaud 1995: 76).

*sphaericula*, *Cyrenella* – Deshayes, 1855c: 340. — Type locality: Moreton Bay, Queensland, Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 201104, 3 syntypes. — Current status: *Zemysina sphaericula* (Deshayes, 1855) (Huber 2015: chapter 5 on CD).

*striatina*, *Diplodonta* – Deshayes, 1857-DescrCoqFoss: 47, pl. 47, figs 21-23; 1858-DescrCoqFoss: 614. — Type localities: Le Guépelle, Beauval, Acy-en-Multien & Valmondois. — Type age: Eocene (Bartonian). — Current status: *Diplodonta* (*Zemysina striatina*) Deshayes, 1857 (Glibert & Van de Poel, 1967: 8-9; Le Renard & Pacaud 1995: 75).



*gibbosula*, *Cycladicama* – This was figured by Poppe (2011: 158, pl. 1074, figs 3-4) as “Deshayes, 1854”. The genus *Cycladicama* Valenciennes, 1854, is regarded as a *nomen dubium* in the Ungulinidae, and species previously placed in it are now allocated to *Joannisiella* Dall, 1895. However, there is no such species name in this genus and perhaps *Joannisiella philippinarum* (Deshayes, 1855) [*Cyrenella*] was intended, or perhaps *Cyrenella oblonga* Deshayes, 1855, a synonym of *Joannisiella oblonga* (Hanley, 1846) [*Cyrenoidea*].

*indica*, *Diplodonta* – Listed by Comber (1906: 214) and by Melvill & Standen (1907: 816), as by Deshayes, then repeated in subsequent literature. It perhaps was originally copied from a label. In both cases, a *nomen nudum*.

*radians*, *Diplodonta* – Deshayes, 1857-DescrCoqFoss: 45, pl. 45, figs 31-33; 1858-DescrCoqFoss: 621-622. Made available by Melleville (1843: 80-81 [34, 82]. pl. 1, figs 13-14), as *Lucina radians*, *non* Conrad, 1842. — Type locality: “Tout le Laonnais”. — Type age: Eocene (Ypresian). — Current status: *Lucina subradians* d’Orbigny (1850b: 305, no. 156), replacement name, now *Bruetia subradians* (d’Orbigny, 1850).

*rotundata*, *Lucina* – Deshayes, 1839: 11, pl. 16, figs 12-14. Sherborn (1930: 5566) listed this as a Deshayes species. However, it is clear from the *Traité* (1850: 785, 793) that the Deshayes use of his name was only intended to indicate a transfer of *Tellina rotundata* Montagu, 1803, to *Lucina*, a species now listed as the European *Diplodonta rotundata* (Montagu, 1803), the senior synonym of the type species of *Diplodonta* Bronn, 1831 (figured in Cossignani & Ardovalini 2011: 53, 440; Alf & Haszprunar, in Alf *et al.* 2020: 391, pl. 328).

## Family VENERIDAE Rafinesque, 1815

Dosiniinae Deshayes, 1853a: 3, 5, as Dosiniana.

*Cyclina* – Deshayes, 1850-TraitElem: 623-627, pl. 14bis, pl. expl. iv. — Type species (SD Stoliczka, 1870): *Venus sinensis* Gmelin, 1791. *Eocyclina* Dall, 1908, was an unnecessary substitute name for this genus, “*non* *Cyclina* Gray, 1857”, which did not exist and would also have been later. — Current status: valid type genus of Cyclininae Frizzell, 1936.

*Gemma* – Deshayes, 1853a: 112-113. — Type species (T): *Venus gemma* Totten, 1834. Northwestern Atlantic; Recent. *Totteniana* Perkins, 1869, and *Tottenia* Perkins, 1870, unnecessary replacement names to avoid tautonymy. Preoccupies *Gemma* Hazay, 1885 [Oxychilidae], and *Gemma* Wagner, 1907 [Helicinidae] – Current status: valid type genus of Gemminae Dall, 1895, a subfamily name in current use.

*Psathura* – Deshayes, 1858-DescrCoqFoss: 478-480. — Type species (M): *Erycina fragilis* Lamarck, 1805. France. — Type age: Eocene. — Current status: valid genus (Nevesskaja *et al.*, 2013: 404, fig. 147-5).

For clarity, the monograph on *Venerupis* by G. B. Sowerby II (1854a) is also cited below because it appeared immediately after Deshayes’ publication (1853a, 1854b) of some of the following species. In one case, Sowerby credited Deshayes with a species that was not contained in any of his works.

*aequilatera*, *Cytherea* – Deshayes, 1839d: 358; 1840: 2, pl. 22, as “Lamarck”, but there is no such taxon. 1853a: 50. — Type locality: San Blas, Mexico. — Type age: Recent. — Current status: synonym of *Tivela argentina* (G. B. Sowerby I, 1835) [*Cytherea*] (Coan & Valentich-Scott 2012: 829-830).

*affinis*, *Dosinia* – Deshayes, 1853a: 7. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 20230059, syntype. — Current status: synonym of the Caribbean *Dosinia concentrica* (Born, 1778) [*Venus*] (Fischer-Piette & Delmas 1967: 63; Yidi & Bossio 2011: 184, 249, fig. 1318).

*alba*, *Tapes* – Deshayes, 1853a: 169; 1854b: 9. — Type locality: “Swan River, Western Australia”; Cuming coll. — Type age: Recent. — Type material: NHMUK 1968152, 2 syntypes. — Current status: synonym of the west African *Polittapes durus* (Gmelin, 1791) [*Venus*] (Huber 2010a: 421, 741).

*albida*, *Circe* – Deshayes, 1853a: 84. — Type locality: Australia. — Type age: Recent. — Type material: NHMUK uncatalogued, 3 syntypes. — Current status: synonym of *Circe scripta* (Linnaeus, 1758) [*Venus*] (Huber 2015: chapter 5 on CD).

*altior*, *Dosinia* – Deshayes, 1853a: 25. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 1966582, holotype. — Current status: the western Pacific *Dosinia altior* Deshayes, 1853 (Qi 2004: 301, pl. 164, fig. B).

*ambigua*, *Chione* – Deshayes, 1853a: 153-154. — Type locality: Mozambique. — Type age: Recent. — Current status: synonym of *Eumarcia paupercula* (Holten, 1802) [*Venus*] (Huber 2010a: 427; 2015: chapter 5 on CD).

*ambigua*, *Cytherea* – Deshayes, 1857-DescrCoqFoss: 29, pl. 29, figs 7-10; 1858-DescrCoqFoss: 444-445. — Type localities: Vregny, Cuisse-la-Motte, Rethueil, Cuisy-en-Almont, Laversine, Hérouval, Laon, Mons-en-Lammois & Aizy-Jouy. — Type age: Eocene (Ypresian). — Current status: *Pitar* (*Calpitaria*) *ambigua* (Deshayes, 1857) (Le Renard & Pacaud 1995: 71).



*ambigua*, *Trigona* – Deshayes, 1853a: 47. — Type locality: none given. — Type age: Recent. — Type material: NHMUK unnumbered, 1 syntype pair. — Current status: synonym of the South African *Tivela compressa* (G. B. Sowerby II, 1851) [*Cytherea*] (Fischer & Fischer-Piette 1938: 86; Huber 2015: chapter 5 on CD).

*analoga*, *Cytherea* – Deshayes, 1857-*DescrCoqFoss*: 32, pl. 32, figs 4-7; 1858-*DescrCoqFoss*: 460-461. — Type localities: Thiverval-Grignon, Saint-Félix, Gomerfontaine & Chambors. — Type age: Eocene (Lutetian). — Current status: *Tivelina analoga* (Deshayes, 1857) (Le Renard & Pacaud 1995: 72; Pacaud 2008: 91).

*anceps*, *Venus* – Deshayes, 1857-*DescrCoqFoss*: 28, pl. 28, figs 6-8; 1858-*DescrCoqFoss*: 423-424. — Type locality: Parnes. — Type age: Eocene (Lutetian). — Current status: *Venerella anceps* (Deshayes, 1857) (Le Renard & Pacaud 1995: 71; Pacaud 2008: 91).

*artemis*, *Circe* – Deshayes, 1853a: 86-87. — Type locality: none given. — Type age: Recent. — Current status: synonym of the Indo-Pacific *Redicirce sulcata* (J. E. Gray, 1838) [*Circe*] (Huber 2010a: 382; 2015: chapter 5 on CD).

*avia*, *Cytherea* – Deshayes, 1857-*DescrCoqFoss*: 31, pl. 31, figs 9-10; 1858-*DescrCoqFoss*: 442-443. — Type localities: Châlons-sur-Vesle & Bracheux. — Type age: Paleocene (Thanetian). — Current status: *Pitar* (*Calpitaria*) *avia* (Deshayes, 1825) (Le Renard & Pacaud 1995: 71).

*basteroti*, *Venus* – Deshayes, 1839-*TraitElem*: 13, pl. 21, figs 5-6; 1850-*TraitElem*: 553, 565-566 [mistakenly cited pl. “20”]. Dax (Basterot 1825: 88), Touraine, Volhynie & Podolie. — Type age: Miocene (Burdigalian). New species based on *Venus dysera* Linnaeus, 1758, *sensu* Basterot (1825: 88), *non* Linnaeus, 1758. — Type material: MNHN.F.A70948, syntypes. — Current status: *Clausinella basteroti* (Deshayes, 1839) (Glibert & Van de Poel 1966b: 28, as “1850”; Lozouet & Londeix 2014: 92).

*bellovacina*, *Cytherea* – Deshayes, 1825-*DescrCoqFoss*: 141, 12, pl. 23, figs 1-2; 1858-*DescrCoqFoss*: 474-475, 32, as *Citherea*, pl. 32, figs 15-17. — Type locality: Bracheux. — Type age: Paleocene (Thanetian). — Current status: *Dosiniopsis bellovacina* (Deshayes, 1825) (Glibert & Van de Poel 1966b: 54; Le Renard & Pacaud 1995: 72).

*bervillei*, *Psammobia* – Deshayes, 1857-*DescrCoqFoss*: 371-372, 11 *ter*, pl. 11 bis, figs 32-33. — Type locality: Passy (Paris). — Type age: Eocene (Lutetian). — Type species (M) of *Veneritapes* Cossmann, 1886. — Current status: *Veneritapes bervillei* (Deshayes, 1857) (Glibert & Van de Poel 1966b: 84; Le Renard & Pacaud 1995: 71; Pacaud 2008: 92; Nevesskaja *et al.* 2013: 401, fig. 146-3).

*biradiata*, *Tapes* – Deshayes, 1853a: 170-171; 1854b: 9, pl. 19, fig. 5. — Type locality: Puteao, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1968155, 3 syntypes. — Current status: synonym of *Venerupis* (*Ruditapes*) *philippinarum* (A. Adams & Reeve, 1850) [*Venus*] (Coan *et al.* 2000: 387; Kantor & Sysoev 2005: 390; Huber 2010a: 428; 2015: chapter 5 on CD; Lutaenko *et al.* 2021: 231).

*boryi*, *Cytherea* – Deshayes, 1835b: 97, pl. 23, figs 8-9. — Type locality: Peloponnese Peninsula, Greece. — Type age: Subapennine Formation, Pliocene. This species may account for the reference to “*Venus boryi* D[eshayes]” in Strickland, in Hamilton & Strickland (1847: 110), based on specimens from a Greece island identified by Deshayes. — Current status: synonym of *Venus nux* Gmelin, 791 (herein).

*boryi*, *Venus* – see previous entry.

*brevispinata*, *Dione* – Deshayes, 1853a: 76. Incorrect subsequent spelling of the Panamic *Cytherea brevispinosa* G. B. Sowerby II, 1851 (p. 632, pl. 132, fig. 109), now *Hysteroconcha brevispinosa* (G. B. Sowerby II, 1851) (Coan & Valentich-Scott 2012: 793-795; Huber 2015: chapter 5 on CD).

*brocchii*, *Venus* – Deshayes, 1835b: 98-99, pl. 20, figs 9-10; 1850-*TraitElem*: 546. — Type locality: Peloponnese Peninsula, Greece. — Type age: Subapennine Formation, Pliocene. New species based on Italian and Greek material of “*Cyprina islandicoides* Lamarck, 1818”, *non* Lamarck, 1818. *Sinoda brocchii* (Deshayes, 1835) (Glibert & Van de Poel 1966b: 72, as “1836”). — Current status: *Pelecypora brocchii* (Deshayes, 1835) (Monegatti & Raffi 2001: 188; Crippa & Raineri 2015: 64, pl. 12, fig. 1, as “1836”; Cárдинаs *et al.* 2017: 376, 382, fig. 8j, without author or date).

*calvimontana*, *Cytherea* – Deshayes, 1857-*DescrCoqFoss*: 30, pl. 30, figs 26-30; 1858-*DescrCoqFoss*: 449-450. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Current status: *Pitar* (*Pitar*) *calvimontana* (Deshayes, 1857) (Le Renard & Pacaud 1995: 72; Pacaud 2008: 91).

*candida*, *Dione* – Deshayes, 1853a: 60. — Type locality: “Van Damiens Land” [Tasmania, Australia]. — Type age: Recent. — Type material: NHMUK 1841.2.6.411-420, eleven syntypes. — Current status: synonym of *Callista diemenensis* (Hanley, 1844) [*Cytherea*] (Huber 2010a: 409, 733).

*capillacea*, *Cytherea* – Deshayes, 1857-*DescrCoqFoss*: 31, pl. 31, figs 25-28; 1858-*DescrCoqFoss*: 445-446. — Type localities: Thiverval-Grignon, Mouy & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Pitar* (*Pitar*) *capillacea* (Deshayes, 1857) (Le Renard & Pacaud 1995: 71; Pacaud 2008: 91).

*casinula*, *Venus* – Deshayes, 1835b: 101-103, pl. 18, figs 18-19. — Type locality: Peloponnese Peninsula, Greece. — Type age: Recent. — Current status: synonym of *Venus casina* Linnaeus, 1758 (Nolf & Krepis 2012: 3-4, pl. 160, figs 928-934, pl. 161, figs 935-942, pl. 162, figs 943-948, pl. 163, figs 949-954, pl. 164, figs 955-960).

*castrensis*, *Pullastra* – Deshayes, 1846-*Algér*: pl. 86, figs 1-7. — Type locality: Algeria. — Type age: Recent. 1853a: 176, as *Tapes*. — Current status: synonym of *Polittapes aurea* (Gmelin, 1791) [*Venus*] (Bucquoy *et al.* 1893: 414-430, pl. 63, figs 1-15, pl. 64, figs 1-13).

*chinensis*, *Venerupis* – Deshayes, 1854b: 4. — Type locality: China; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1854a: 768, pl. 165, fig. 29. — Type material: NHMUK unnumbered, 2 syntype pairs. — Current status: synonym of *Irus irus* (Linnaeus, 1758) [*Donax*] (Huber 2010a: 428, 748; Lutaenko *et al.* 2021: 234).

*cinerea*, *Tapes* – Deshayes, 1853a: 184; 1854b: 11. — Type locality: none given. — Type age: Recent. — Type material: NHMUK 1968156, 2 syntypes. — Current status: synonym of the south Asian *Venerupis* (*Ruditapes*) *aspera* (Quoy & Gaimard, 1835) [*Venus*] (Huber 2010a: 428; 2015: chapter 5 on CD; Lutaenko *et al.* 2021: 232).

*circinaria*, *Dosinia* – Deshayes, 1853a: 9-10. — Type locality: none given. — Type age: Recent. — Type material: NHMUK 20230060, 4 syntypes. — Current status: synonym of the Australian *Dosinia crocea* Deshayes, 1853 (Tomlin 1923: 310; Huber, 2015: chapter 5 on CD).

*circularis*, *Cytherea* – Deshayes, 1857-*DescrCoqFoss*: 33, pl. 33, figs 23-26; 1858-*DescrCoqFoss*: 477. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Gouldia circularis* (Deshayes, 1857) (Glibert & Van de Poel 1966b: 50; Le Renard & Pacaud 1995: 72; Pacaud 2008: 91).

*circularis*, *Venus* – Deshayes, 1850-*TraitElem*: 553. — Type locality: Touraine. — Type age: Miocene. — Current status: *nomen dubium*.

*clathrata*, *Venus* – Deshayes, 1853a: 106; 1854b: 3, *non* Röding, 1798,  *nec* Dujardin, 1837. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 1981258, 1 syntype; 1981259, 2 syntypes. — Current status: the Philippines Islands *Periglypta albocancellata* (Huber 2010a: 363, 714) [*Antigona*], replacement name. Still given as *Antigona clathrata* (Deshayes, 1853) (Poppe 2011: 262, pl. 1126, figs 2-3). *Periglypta clathrata* (Deshayes, 1853) (Qi 2004: 308, pl. 168B; Poppe 2018: 237, 238).

*conformis*, *Venus* – Deshayes, 1857-DescrCoqFoss: 28, pl. 28, figs 14-16; 1858-DescrCoqFoss: 419-420. — Type locality: Chaussy. — Type age: Eocene (Lutetian). — Type species (SD Crosse, 1887) of *Atopodonta* Cossmann, 1886. *Atopodonta conformis* (Deshayes, 1857) (Glibert & Van de Poel 1966b: 70, as “1858”). — Current status: *Callocardia (Atopodonta) conformis* (Deshayes, 1857) (Le Renard & Pacaud 1995: 71; Pacaud 2008: 91).

*consobrina*, *Dosinia* – Deshayes, 1853a: 10. — Type locality: Cape Bonae [Good Hope], South Africa. — Type age: Recent. — Type material: NHMUK 1840.9.26.184 & 1844.6.3.93, syntypes, but possibly with other material mixed in. — Current status: synonym of *Dosinia hepatica* (Lamarck, 1818) [*Cytherea*] (Tomlin 1923: 310; Huber 2015: chapter 5 on CD).

*consobrina*, *Venus* – Deshayes, 1853a: 101-102. No locality indicated. 1854: 3. — Type locality: Norway; Cuming coll. — Type age: Recent. — Type material: NHMUK 20070182, 3 syntypes. — Current status: synonym of *Venus casina* Linnaeus, 1758 (Nolf & Kreps 2012: 3-4, pl. 160, figs 928-934, pl. 161, figs 935-942, pl. 162, figs 943-948, pl. 163, figs 949-954, pl. 164, figs 955-960).

*cordieri*, *Petricola* – Deshayes, 1839d: 358; 1840: 4 [covering three species], pl. 18. — Type locality: California; Mr. Cordier. — Type age: Recent. — Type material: NHMUK 1966561, 3 syntypes. — Current status: synonym of *Irusella lamellifera* (Conrad, 1837) [*Venus*] (Coan *et al.* 2000: 370, 372).

*corrugata*, *Venerupis* – Deshayes, 1853a: 196. — Type locality: East Africa. — Type age: Recent. — Type material: NHMUK unnumbered, 4 syntype pairs. — Current status: synonym (and homonym) of *Venerupis corrugata* (Gmelin, 1791) [*Venus*] (Huber 2010a: 427; 2015: chapter 5 on CD).

*crassicosta*, *Venus* – Deshayes, 1835-HistNatAnim2: 373-374, *ex* Quoy ms; 1839-HistNatAnim3: 618. — Type locality: New Zealand. — Type age: Recent. — Type species (OD) of *Tuangia* Marwick, 1927, which is now regarded as a synonym of *Leukoma* Römer, 1857. *Protothaca (Tuangia) crassicostata* (Deshayes, 1835) (Powell 1979: 425, pl. 77, fig. 13). *Protothaca crassicosta* (Deshayes, 1835) (Beu 2006: 287-289, fig. 35). — Current status: *Leukoma crassicosta* (Deshayes, 1835) (Huber 2010a: 379).

*crenulata*, *Cyrena* – Deshayes, 1857-DescrCoqFoss: 34, pl. 34, figs 10-12; 1858-DescrCoqFoss: 518. — Type locality: Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). — Type species (M) of *Plesiastarte* P. Fischer, 1887. — Current status: *Plesiastarte crenulata* (Deshayes, 1857) (Glibert & Van de Poel 1966b: 14; Le Renard & Pacaud 1995: 73; Nevesskaja *et al.* 2013: 407, fig. 148-11; Leroy *et al.* 2014: 28).

*crispata*, *Venus* – Deshayes, 1853a: 107; 1854b: 2-3. — Type locality: none given [Phuket, Thailand, designated as type locality by Huber, 2010]. — Type age: Recent. — Type material: NHMUK 1981256, lectotype (Huber, 2010); 1981257, 2 paralectotypes. — Current status: the Indo-Pacific *Periglypta crispata* (Deshayes, 1853) (Rusmore-Villaume 2008: 278-279; Huber 2010a: 364, 714, as *Antigona*).

*crocea*, *Dione* – Deshayes, 1853a: 66-67; 1854b: 2. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 3 syntype pairs. Unnecessarily

renamed *Cytherea deshayesi* L. Pfeiffer, 1869 (L. Pfeiffer 1869: 74-75, pl. 30, fig. 9) on the grounds that it was preoccupied by *Cytherea crocea* (J. E. Gray, 1838) [*Circe*], a replacement name that did not become accepted. — Current status: *Aphrodra crocea* (Deshayes, 1854) (Huber 2015: chapter 5 on CD).

*crocea*, *Dosinia* – Deshayes, 1853a: 8-9. — Type locality: Flinders Island, Victoria, Australia. — Type age: Recent. — Type material: NHMUK 1850.12.28.120-121, 2 syntypes (Hedley 1913: 270). *Dosinia crocea* Deshayes, 1853 (Poppe 2011: 304, pl. 1147, fig. 7).

*cumingii*, *Clementia* – Deshayes, 1855c: 346. — Type locality: Red Sea; Cuming coll. — Type age: Recent. — Current status: synonym of *Clementia papyracea* (Gmelin, 1791) [*Mactra*] (Oliver 1992: 189, pl. 44; Huber 2010a: 419; 2015: chapter 5 on CD).

*cumingii*, *Venerupis* – Deshayes, 1854b: 4, pl. 18, fig. 3. — Type locality: none given [Huber, 2010, clarified the type locality to be Port Phillip, Victoria]; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1854a: 768, pl. 164, fig. 12. — Type material: NHMUK unnumbered, 3 syntype pairs. — Current status: the South Australian *Irus cumingii* (Deshayes, 1854) (Huber 2010a: 428, 748, 749).

*cuneata*, *Cytherea* – Deshayes, 1825-DescrCoqFoss: 131-132, 11, pl. 22, figs 6-7, *non* Lamarck, 1818; 1850-TraitElem: 595. 1858-DescrCoqFoss: 465. — Type locality: La Chapelle-en-Serval. — Type age: Eocene (Bartonian). Renamed *Cytherea sphenarium* Bayan, 1873a (Bayan 1873a: 121). — Current status: *Tivelina sphenarium* (Bayan, 1873) (Le Renard & Pacaud 1995: 72).

*curionii*, *Cytherea* – Deshayes, 1857-DescrCoqFoss: 33, pl. 33, figs 14-16; 1858-DescrCoqFoss: 466. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Tivelina deltoidea* [Lamarck, 1806] *curionii* (Deshayes, 1857) (Le Renard & Pacaud 1995: 72).

*cythereaeformis*, *Venus* – Deshayes, 1857-DescrCoqFoss: 31, pl. 31, figs 4-8; 1858-DescrCoqFoss: 420-421. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Venerella cythereaeformis* (Deshayes, 1857) (Glibert & Van de Poel 1966b: 79, as *V. “cythereaeformis”* and as “1858”; Le Renard & Pacaud 1995: 71).

*decussatus*, *Saxidomus* – Deshayes, 1853a: 189. — Type locality: “Peru”. — Type age: Recent. — Type material: NHMUK 1842.5.10.1584, holotype. — Current status: the Japanese *Leukoma decussata* (Deshayes, 1853) (Huber 2010a: 379, 720, as *Protothaca*).

*deleta*, *Venus* – Deshayes, 1857-DescrCoqFoss: 28, pl. 28, figs 29-35; 1858-DescrCoqFoss: 425-426. — Type localities: Parnes & Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Venerella deleta* (Deshayes, 1857) (Le Renard & Pacaud 1995: 71; Pacaud 2008: 92).

*delicatula*, *Cytherea* – Deshayes, 1857-DescrCoqFoss: 33, pl. 33, figs 1-3; 1858-DescrCoqFoss: 461. — Type localities: Ermenonville, Montagny-en-Vexin, Ver-sur-Launette & Beauval. — Type age: Eocene (Bartonian). Synonym of *Cytherea striatula* Deshayes, 1825 (Cossmann 1886a: 120-121). — Current status: *Tivelina striatula* (Deshayes, 1825) (Glibert & Van de Poel 1966b: 68; Le Renard & Pacaud 1995: 72).

*delicatula*, *Venus* – Deshayes, 1857-DescrCoqFoss: 34, pl. 34, figs 7-9; 1858-DescrCoqFoss: 423. — Type locality: Mercin-et-Vaux. — Type age: Eocene (Ypresian). — Current status: *Venerella delicatula* (Deshayes, 1857) (Le Renard & Pacaud 1995: 71).

*depressa*, *Cytherea* – Deshayes, 1857-DescrCoqFoss: 34, pl. 34, figs 1-4; 1858-DescrCoqFoss: 473. — Type localities: Jeurre, Étréchy, Morigny-Champigny & Ormoy-la-Rivière. — Type age: Oligocene (Rupelian). — Type species (SD Keen, 1969) of *Meretrissa* Jukes-



Browne, 1908, now regarded as a synonym of *Tivelina* Cossmann, 1886 (Cossmann & Peyrot, 1910: 390, 418). — Current status: *Tivelina depressa* (Deshayes, 1857) (Glibert & Van de Poel 1966b: 67, as “1858”; Lozouet & Maestrati 2012a: 262, 264, fig. 168: 9-14, as “1858”; Neveeskaja *et al.* 2013: 405, fig. 147-11, as “1858”).

*derelicta*, *Venerupis* – Deshayes, 1854b: 4-5. — Type locality: Looy [Loay]; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1854a: 765, pl. 164, fig. 16. — Type material: NHMUK 1968159, 3 syntypes. — Current status: synonym of *Irus irus* (Linnaeus, 1758) [*Donax*] (Huber 2010a: 428; 2015: chapter 5 on CD; Lutaenko *et al.* 2021: 234).

*despecta*, *Cytherea* – Deshayes, 1857-DescrCoqFoss: 30, pl. 30, figs 9-12, 17-21; 1858-DescrCoqFoss: 454. — Type localities: Mercin-et-Vaux, Laversine, Retheuil & Cuisy-en-Almont. — Type age: Eocene (Ypresian). — Current status: *Pitar* (*Chionella*) *despecta* (Deshayes, 1857) (Glibert & Van de Poel 1966b: 55; Le Renard & Pacaud 1995: 72), not subgenus *Paradione* (as in Pacaud & Le Renard 1995: 187) because *Chionella* was unnecessarily renamed.

*digona*, *Venerupis* – Deshayes, 1854b: 3-4. — Type locality: Ceylon; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 1 syntype with right valve broken. — Current status: synonym of *Irus irus* (Linnaeus, 1758) [*Donax*] (Huber 2010a: 428, 748; Lutaenko *et al.* 2021: 234).

*dillwyni*, *Trigona* – Deshayes, 1853a: 49-50. — Type locality: west Indian Ocean. — Type age: Recent. — Type material: NHMUK, 3 syntype pairs. — Current status: *Tivela dillwyni* (Deshayes, 1853) (Huber 2010a: 727).

*distans*, *Cytherea* – Deshayes, 1825-DescrCoqFoss: 138-139, 11, pl. 22, figs 10-11; 1850-TraitElem: 592. 1858-DescrCoqFoss: 468. — Type locality: La Chapelle-en-Serval. — Type age: Eocene (Bartonian). — Current status: *Callista* (*Callista*) *elegans* [Lamarck, 1806] *distans* (Deshayes, 1825) (Glibert & Van de Poel 1966b: 62; Le Renard & Pacaud 1995: 72).

*distincta*, *Cytherea* – Deshayes, 1857-DescrCoqFoss: 30, pl. 30, figs 1-4; 1858-DescrCoqFoss: 452-453. — Type localities: Damery, Chamery & Montmirail. — Type age: Eocene (Lutetian). — Current status: *Pitar* (*Pitar*) *distincta* (Deshayes, 1857) (Le Renard & Pacaud 1995: 72; Pacaud 2008: 91).

*dixonii*, *Cytherea* – Deshayes, 1857-DescrCoqFoss: 29, pl. 29, figs 15-19; 1858-DescrCoqFoss: 464-465. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Tivelina dixonii* (Deshayes, 1857) (Glibert & Van de Poel 1966b: 67; Le Renard & Pacaud 1995: 72).

*elegans*, *Venerupis* – Deshayes, 1854b: 5, pl. 18, fig. 2. — Type locality: New Zealand; Cuming coll. — Type age: Recent. — Type material: NHMUK 19834.1-3, 3 syntype pairs. — Type species (OD) of *Notopaphia* Oliver, 1923. *Notopaphia elegans* (Deshayes, 1854) (Powell 1979: 425, pl. 77, fig. 17). — Current status: *Irus elegans* (Deshayes, 1854) (Huber 2010a: 429).

*elegantula*, *Cytherea* – Deshayes, 1857-DescrCoqFoss: 31, pl. 31, figs 15-17; 1858-DescrCoqFoss: 470. — Type localities: Hérouval, Mercin-et-Vaux & Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Callista* (*Callista*) *elegans* [Lamarck, 1806] *elegantula* (Deshayes, 1857) (Glibert & Van de Poel 1966b: 62-63; Le Renard & Pacaud 1995: 72).

*erycinoides*, *Cytherea* – see *suberycinoides*, *Cytherea* below.

*fabagella*, *Tapes* – Deshayes, 1854b: 10. — Type locality: New Zealand; Cuming coll. — Type age: Recent. — Type material: NHMUK 1841.3.5.65-74 & 1841.2.9.34, 11 syntypes. — Current

status: synonym of *Venerupis* (*Paphirus*) *anomala* (Lamarck, 1818) [*Venus*] (Fischer-Piette & Métivier 1971: 8-10, pl. 1, figs 1-10, pl. 2, figs 1-4; Huber 2010a: 427; 2015: chapter 5 on CD).

*fallaciosa*, *Venus* – Deshayes, 1857-DescrCoqFoss: 28, pl. 28, figs 17-20; 1858-DescrCoqFoss: 422. — Type localities: Coincourt & Parnes. — Type age: Eocene (Lutetian). — Current status: *Venerella fallaciosa* (Deshayes, 1857) (Le Renard & Pacaud 1995: 71; Pacaud 2008: 92).

*fallax*, *Cytherea* – Deshayes, 1857-DescrCoqFoss: 32, pl. 32, figs 18-20; 1858-DescrCoqFoss: 473-474. 1858: 552. Bracheux. — Type age: Paleocene (Thanetian). — Current status: *Dosiniopsis fallax* (Deshayes, 1857) (Le Renard & Pacaud 1995: 72).

*fastidiosa*, *Cytherea* – Deshayes, 1857-DescrCoqFoss: 31, pl. 31, figs 11-14; 1858-DescrCoqFoss: 447. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). *Nitidavenus fastidiosa* (Deshayes, 1857) (Glibert & Van de Poel 1966b: 69). — Current status: *Callocardia* (*Nitidavenus*) *fastidiosa* (Deshayes, 1825) (Le Renard & Pacaud 1995: 72).

*flavida*, *Cyclina* – Deshayes, 1853a: 31. — Type locality: China. — Type age: Recent. — Current status: *Cyclina flavida* Deshayes, 1853 (Huber 2010a: 419; Lutaenko *et al.* 2021: 235).

*foliacea*, *Venerupis* – Deshayes, 1853a: 192-193. — Type locality: Mazatlan, Sinaloa, Mexico. — Type age: Recent. G. B. Sowerby II, 1854a: 764-765, pl. 164, figs 8-9. — Current status: synonym of the eastern Pacific *Paphonotia elliptica* (G. B. Sowerby I, 1834) [*Petricola*] (Coan & Valentich-Scott 2012: 783-785).

*geslini*, *Venus* – Deshayes, 1857-DescrCoqFoss: 32, as *V. “roissyi”*, pl. 32, figs 1-3; 1858-DescrCoqFoss: 425; 1865-DescrCoqFoss: 666 [correction made]. — Type localities: Parnes, Mouy, Chambors, Saint-Thomas & Hermonville. — Type age: Eocene (Lutetian). — Current status: *Venerella geslini* (Deshayes, 1857) (Le Renard & Pacaud 1995: 71; Pacaud 2008: 92).

*gibbosula*, *Cytherea* – Deshayes, 1857-DescrCoqFoss: 29, pl. 29, figs 24-28; 1858-DescrCoqFoss: 463-464. — Type localities: Thiverval-Grignon, Parnes, Vaudancourt, Chaumont-en-Vexin, Gomerfontaine, Fontenay-Saint-Père & Beauchamp. — Type age: Eocene (Lutetian-Bartonian). — Current status: *Tivelina gibbosula* (Deshayes, 1857) (Glibert & Van de Poel 1966b: 67; Le Renard & Pacaud 1995: 72; Pacaud 2008: 91).

*gibbosula*, *Dione* – Deshayes, 1853a: 71; 1854b: 7, as *Chione*. — Type locality: none given; Cuming coll. — Type age: Recent. Reeve, 1863: pl. 13, fig. 47, described it anew as *Venus gibbosula*, ex Deshayes ms. — Current status: synonym of the eastern Pacific *Chionista fluctifraga* (G. B. Sowerby II, 1853) [*Venus*] (Coan & Valentich-Scott 2012: 761, 762).

*gigantea*, *Venerupis* – Deshayes, 1839d: 359; 1841: 2, pl. 43. — Type locality: California; Mr. Chiron. — Type age: Recent. 1853a: 187, as *Saxidomus*. — Current status: *Saxidomus gigantea* (Deshayes, 1839) (Coan *et al.* 2000; 384-385; Huber 2010a: 409).

*globosa*, *Venerupis* – Deshayes, 1824a: 256, 258, pl. 15, figs 13, 14a-b; 1824-DescrCoqFoss: 69-70, 5, pl. 10, figs 3-5, non *Venerupis globosa* (Gmelin, 1791) [*Venus*]; 1832-EncyMeth: 1111; 1835-Hist-NatAnim2: 164-165; 1839-HistNatAnim3: 556; 1858-DescrCoqFoss: 406-407. — Type locality: Valmondois. — Type age: Eocene (Bartonian). Renamed *Venus subglobosa* d’Orbigny, 1850b (d’Orbigny 1850b: 422, no. 1592). *Venerella globosa* (Deshayes, 1824) (Glibert & Van de Poel 1966b: 78). *Venerella subglobosa* (d’Orbigny, 1850) (Pacaud 2007: 64. — Current status: *Venerella striatula* [Deshayes, 1824] *subglobosa* (d’Orbigny, 1850) (Le Renard & Pacaud 1995: 71).

- globulosa*, *Cytherea* – Deshayes, 1825-*DescrCoqFoss*: 137, 11, pl. 21, figs 9-11; 1830b-*EncyMeth*: 61-62; 1858-*DescrCoqFoss*: 449. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). *Nitidavenus globulosa* (Deshayes, 1825) (Glibert & Van de Poel 1966b: 69). — Current status: *Callocardia (Nitidavenus) globulosa* (Deshayes, 1825) (Le Renard & Pacaud 1995: 72; Pacaud 2008: 91).
- gradata*, *Venus* – Deshayes, 1850-*TraitElem*: 555. — Type localities: Mediterranean. — Type age: Recent. Angers & Asti, Sicily, fossil. — Current status: synonym of *Clausinella fasciata* (da Costa, 1778) [*Pectunculus*] (Bucquoy *et al.* 1893: 382-388, pl. 59, figs 1-11).
- grata*, *Dione* – Deshayes, 1853a: 62. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 2 syntype pairs. Huber (2015: chapter 5 on CD) interpreted this as being the renaming of a homonym. However, Deshayes was only pointing out what he regarded as a misuse by G. B. Sowerby II (1854) of *Cytherea pectoralis* Lamarck, 1818. — Current status: *Callista (Costacallista) grata* (Deshayes, 1853) (Huber 2010a: 407-408).
- grata*, *Dosinia* – Deshayes, 1853a: 8. — Type locality: Tasmania. — Type age: Recent. — Type material: NHMUK 1841.2.9.2, 1 syntype pair with one broken valve. — Current status: the southeastern Australian *Dosinia grata* Deshayes, 1853 (Huber 2010a: 414, 734).
- grata*, *Meretrix* – Deshayes, 1853a: 40; 1854b: 7. — Type locality: China; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1854b: 786, pl. 168, fig. 218, as “*Cytheraea*” [sic] *grata*. — Type material: NHMUK 20120224, 3 syntypes. Synonym of *Macrocallista lilacina* (Lamarck, 1818) [*Cytherea*] (Tomlin, 1923: 310). — Current status: synonym of the Asian *Callista erycina* (Linnaeus, 1758) [*Venus*] (Huber 2010a: 407, noting that Deshayes’ specimens would have been juveniles).
- grata*, *Tapes* – Deshayes, 1853a: 170; 1854b: 9-10. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Current status: synonym of *Tapes belcheri* G. B. Sowerby II, 1852 (Huber 2010a: 420; 2015: chapter 5 on CD, mistakenly as “Phil.”).
- grayi*, *Dione* – Deshayes, 1853a: 80. — Type locality: none given. — Type age: Recent. This has been considered, judging by Deshayes’ synonymy, to be an unnecessary replacement name for *Chione apicalis* J. E. Gray, 1838, *non Cytherea apicalis* R. A. Philippi, 1836, a *Gouldia* (Huber 2010a: 734; Coan & Kabat 2017: 95). However, there is a Deshayes specimen in the type collection. — Type material: NHMUK unnumbered, 1 “syntype” pair. — Current status: synonym of the Australian *Callista kingii* (J. E. Gray, in P. P. King, 1827) [*Cytherea*] (Huber 2010a: 408, 734).
- heberti*, *Cytherea* – Deshayes, 1857-*DescrCoqFoss*: 30, pl. 30, figs 13-16; 1858-*DescrCoqFoss*: 436-437. — Type localities: Chambors, Auvers-sur-Oise, Caumont, Mary-sur-Marne, Rouvres, Acy-en-Multien, La Ferté-sous-Jouarre, Beauval, Le Fayel, Chéry-Chartreuve & Arthon-en-Retz. — Type age: Eocene (Bartonian). — Type material: MNHN.F.J04151, syntype. *Callista heberti* (Deshayes, 1857) (Glibert & Van de Poel 1966b: 64). — Current status: *Costacallista suberycinoides* [Deshayes, 1825] *heberti* (Deshayes, 1857) (Le Renard & Pacaud 1995: 71).
- hermonvillensis*, *Venerupis* – Deshayes, 1857-*DescrCoqFoss*: 28, pl. 28, figs 1-5; 1858-*DescrCoqFoss*: 405. — Type localities: Hermonville, Damery, Fleury-la-Rivière & Boursault. — Type age: Eocene (Lutetian). — Type species (SD Crosse, 1887) of *Venerella* Cossmann, 1886. — Current status: *Venerella hermonvillensis* (Deshayes, 1857) (Glibert & Van de Poel 1966b: 77, 80; Le Renard & Pacaud 1995: 71; Pacaud 2008: 92; Nevesskaja *et al.* 2013: 401, fig. 145-9).
- humerosa*, *Cytherea* – Deshayes, 1857-*DescrCoqFoss*: 31, pl. 31, figs 18-21; 1858-*DescrCoqFoss*: 464. — Type locality: Hérouval. — Type age: Eocene (Ypresian). — Current status: *Tivelina dixonii* [Deshayes, 1857] *humerosa* (Deshayes, 1857) (Glibert & Van de Poel 1966b: 67; Le Renard & Pacaud 1995: 72).
- imbricata*, *Cytherea* – Deshayes, 1858-*DescrCoqFoss*: 437, 59, pl. 59, figs 30-32. — Type locality: La Ferté-sous-Jouarre. — Type age: Eocene (Bartonian). — Current status: synonym of *Cytherea (Callista) heberti* Deshayes, 1857 (Cossmann 1886a: 113).
- inflata*, *Tapes* – Deshayes, 1853a: 162; 1854b: 8, pl. 19, fig. 3. — Type locality: Ceylon; Cuming coll. — Type age: Recent. The type species of *Acritopaphia* Iredale, 1936, *A. transfusa* Iredale, 1936, is a synonym of this species, and the genus a synonym of *Paphia* Röding, 1798. — Current status: *Paphia inflata* (Deshayes, 1854) (Huber 2010a: 422, 742).
- inopinata*, *Venus* – Deshayes, 1857-*DescrCoqFoss*: 31, pl. 31, figs 1-3; 1858-*DescrCoqFoss*: 421. Cuisse-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Venerella inopinata* (Deshayes, 1857) (Le Renard & Pacaud 1995: 71).
- interjecta*, *Venerupis* – Deshayes, 1853a: 196. — Type locality: Swan River, Australia. — Type age: Recent. G. B. Sowerby II, 1854a: 767, pl. 164, fig. 14. — Type material: NHMUK 1967936, 2 syntypes. — Current status: synonym of *Irus exoticus* (Lamarck, 1818) [*Venerupis*] (Huber 2010a: 429, 749).
- japonica*, *Tapes* – Deshayes, 1853a: 181-182; 1854b: 10, *non* (Gmelin, 1791) [*Venus*] – now regarded as a *Marcia*. — Type locality: Japan; Cuming coll. — Type age: Recent. — Type material: NHMUK 1996465, 1 syntype pair, which is also a syntype of *Tapes semidecussata* Reeve, 1864. — Current status: synonym of *Venerupis (Ruditapes) philippinarum* (A. Adams & Reeve, 1850) [*Venus*] (Tomlin 1923: 313; Coan *et al.* 2000: 387; Huber 2010a: 428; 2015: chapter 5 on CD; Lutaenko *et al.* 2021: 231).
- jukesii*, *Venus* – Deshayes, 1853a: 100. — Type localities: Port Essington; Jukes & Luzon, Philippine Islands, Cuming. — Type age: Recent. — Type material: NHMUK 1845.8.15.73-75, 3 syntypes; uncatalogued lot, 3 additional syntypes. Deshayes indicated that this new species was equivalent to *Venus crebriscula* Lamarck, 1818, as depicted by G. B. Sowerby II (1853: 728, pl. 161, fig. 157). — Current status: synonym of *Globivenus toreuma* (Gould, 1850) [*Venus*] (Tomlin 1923: 311; Huber 2015: chapter 5 on CD; Lutaenko *et al.* 2021: 225, some misinterpreting Deshayes’ species as a replacement name for a preoccupied Sowerby homonym).
- kraussi*, *Chione* – Deshayes, 1853a: 154. — Type locality: Port Natal. — Type age: Recent. — Current status: synonym of *Pitar hebraeus* (Lamarck, 1818) (Huber 2010a: 398; 2015: chapter 5 on CD).
- lamarckii*, *Cytherea* – Deshayes, 1857-*DescrCoqFoss*: 29, 29, pl. 29, figs 29-32, *non* Agassiz, 1845; 1858-*DescrCoqFoss*: 441-442. — Current status: *Cytherea parisiensis*, replacement name (see below).
- lamarckii*, *Meretrix* – Deshayes, 1853a: 39. — Type locality: China. — Type age: Recent. — Type material: NHMUK 20000390, 2 syntypes. — Current status: *Meretrix lamarckii* Deshayes, 1853 (Qi 2004: 306, pl. 166, fig. B; Huber 2010a: 390, 725; Matsukuma, in Okutani 2017: 1250, pl. 545, fig. 3).
- lamberti*, *Cytherea* – Deshayes, 1857-*DescrCoqFoss*: 31, pl. 31, figs 31-32; 1858-*DescrCoqFoss*: 448. — Type locality: Sinceny. — Type age: Eocene (Ypresian). — Current status: *Pitar (Pitar) lamberti* (Deshayes, 1857) (Le Renard & Pacaud 1995: 71).
- lenticularis*, *Circe* – Deshayes, 1853a: 85; 1854b: 7. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK uncatalogued, 2 syntypes. — Current status: synonym of the Chinese *Circe tumefacta* G. B. Sowerby II, 1851 (Huber 2015: chapter 5 on CD; Sowerby’s species figured in Qi 2004: 305, pl. 165M).



*lessonii*, *Donax* – Deshayes, 1830b-EncyMeth: 99. — Type localities: “L’Île Bourou, Moluques”. — Type age: Recent. 1835-HistNatAnim2: 250; 1843-HistNatAnim3: 582. Chile; Lesson. — Current status: the Chilean *Tivela lessonii* (Deshayes, 1830) (Huber 2010a: 392; Coan & Valentich-Scott 2012: 832-834, pl. 259).

*lunularia*, *Cytherea* – Deshayes, 1825-DescrCoqFoss: 135, 12, pl. 23, figs 6-7; 1858-DescrCoqFoss: 444. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). *Pitar* (*Chionella*) *lunularia* (Deshayes, 1825) (Glibert & Van de Poel 1966b: 56). *Pitar* (*Paradione*) *lunularia* (Deshayes, 1825) (Pacaud & Le Renard 1995: 187; Pacaud 2008: 91). — Current status: *Pitar* (*Chionella*) *lunularia* (Deshayes, 1825), because *Chionella* was unnecessarily renamed (Le Renard & Pacaud 1995: 72).

*macrophylla*, *Venerupis* – Deshayes, 1853a: 193. — Type locality: Philippine Islands. — Type age: Recent. G. B. Sowerby II, 1854a: 763-764, pl. 165, fig. 20. — Type material: NHMUK 1967932, 3 syntypes. *Irus macrophylla* (Deshayes, 1853) (Oliver 1992: 190-191, pl. 44; Poppe & Coan, in Poppe 2011: 310, pl. 1150, figs 1-3; Matsukuma, in Okutani 2017: 1248, pl. 543, fig. 11). — Current status: synonym of *Irus irus* (Linnaeus, 1758) [*Donax*] (Huber 2010a: 428; 2015: chapter 5 on CD; Lutaenko *et al.* 2021: 234). On the other hand, Poppe (2018: 237) concluded that the Deshayes name should be used for the Indo-Pacific species, while *I. irus* should be restricted to the eastern Atlantic.

*metcalfei*, *Circe* – Deshayes, 1854b: 7. — Type locality: none given; Cuming coll. — Type age: Recent. — Current status: synonym of the Australian *Redicirce sulcata* (J. E. Gray, 1838) [*Circe*] (Huber 2010a: 382; 2015: chapter 5 on CD).

*minor*, *Circe* – Deshayes, 1853a: 96. — Type locality: none given. — Type age: Recent. — Current status: *nomen dubium* (Huber 2015: chapter 5 on CD).

*minor*, *Dosinia* – Deshayes, 1863: 12, pl. 2, figs 1-3. — Type locality: La Réunion. — Type age: Recent. — Current status: *Dosinia minor* Deshayes, 1863 (Huber 2015: chapter 5 on CD).

*mitis*, *Chione* – Deshayes, 1853a: 142-143. — Type locality: Swan Bay, Australia. — Type age: Recent. — Type material: NHMUK 1838.7.22.70, 73-75, 4 syntypes. — Current status: synonym of *Tawera coelata* (Menke, 1843) [*Venus*] (Huber 2010a: 372; 2015: chapter 5 on CD).

*mitis*, *Venerupis* – Deshayes, 1854b: 5. — Type locality: none given; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1854a: 765, pl. 165, fig. 22. — Type material: NHMUK 1996466, 2 syntypes. — Current status: the western Pacific *Irus mitis* (Deshayes, 1854) (Huber 2010a: 429; Matsukuma, in Okutani 2017: 1248, pl. 543, fig. 10; Poppe 2017: 592, pl. 1596, fig. 2; Lutaenko *et al.* 2021: 234-235, 288, pl. 39, figs F-G).

*moretonensis*, *Clementia* – Deshayes, 1854d: 17. — Type locality: Moreton Bay, Queensland, Australia; Cuming coll. — Type age: Recent. — Current status: synonym of *Clementia papyracea* (Gmelin, 1791) [*Mactra*] (Huber 2010a: 419; 2015: chapter 5 on CD).

*multisulcata*, *Cytherea* – Deshayes, 1825-DescrCoqFoss: 133, 11, pl. 21, figs 14-15; 1830b-EncyMeth: 61; 1858-DescrCoqFoss: 444. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Current status: *Meroena multisulcata* (Deshayes, 1825) (Glibert & Van de Poel 1966b: 52; Le Renard & Pacaud 1995: 72; Pacaud 2008: 92).

*nitida*, *Cytherea* [as “*Cyherea*”] – Deshayes, 1857-DescrCoqFoss: 33, pl. 33, figs 8-9; 1858-DescrCoqFoss: 453-454. — Type localities: Damery & Chamery. — Type age: Eocene (Lutetian). — Type species (OD) of *Nitidavenus* H. Vokes, 1939. Synonym of *Cytherea nitidula* Lamarck, 1806 (Glibert & Van de Poel 1966b: 69). — Cur-

rent status: *Callocardia* (*Nitidavenus*) *nitida* (Deshayes, 1825) (Le Renard & Pacaud 1995: 72; Courville *et al.* 2012: 59, pl. 1, figs 7-8).

*nobilis*, *Dosinia* – Deshayes, 1853a: 7-8. — Type locality: Moreton Bay, Queensland, Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 1966469, 3 syntypes (Hedley 1913: 269); 1966471, 2 syntypes. — Current status: synonym of *Dosinia incisa* (Reeve, 1850) [*Artemis*] (Huber 2010a: 410; 2015: chapter 5 on CD).

*notabilis*, *Venerupis cordieri* [Deshayes, 1839; *Petricola*] – Deshayes, 1853a: 191. — Type locality: California; Cuming. — Type age: Recent. — Current status: synonym of *Irusella lamellifera* (Conrad, 1837) [*Venus*] (Coan *et al.* 2000: 370, 372).

*obesa*, *Venerupis* – Deshayes, 1854b: 5-6. — Type locality: Port Phillip, Victoria, Australia; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1854a: 767-768, pl. 164, fig. 15. NHMUK unnumbered, holotype. — Current status: synonym of *Irus cumingii* (Deshayes, 1854) (Huber 2010a: 428, 749).

*obliqua*, *Cytherea* – Deshayes, 1825-DescrCoqFoss: 136, 11, pl. 21, figs 7-8, *non Venus obliqua* Schroeter, 1802; 1850-TraitElem: 592; 1858-DescrCoqFoss: 442. — Type localities: Abbecourt, Bracheux & Noailles. — Type age: Paleocene (Thanetian). *Venus subobliqua* d’Orbigny, 1850b (d’Orbigny 1850b: 304, no. 129), replacement name. *Pitar* (*Chionella*) *obliqua* (Deshayes, 1825) (Glibert & Van de Poel 1966b: 56). — Current status: *Pitar* (*Calpitaria*) *subobliqua* (d’Orbigny, 1850) (Le Renard & Pacaud 1995: 71; Pacaud 2007: 64).

*oblonga*, *Circe* – Deshayes, 1853a: 86. — Type locality: none given. — Type age: Recent. — Type material: NHMUK uncatalogued, 1 syntype. — Current status: synonym of the south Asian *Circe scripta* (Linnaeus, 1758) [*Venus*] (Huber 2010a: 384; 2015: chapter 5 on CD).

*oblonga*, *Venerupis* – Deshayes, 1857-DescrCoqFoss: pl. 28, figs 9-13; 1858-DescrCoqFoss: 406, 28, 28. — Type localities: Montagny-en-Vexin, Auvers-sur-Oise, Beauchamp, Acy-en-Multien, Ver-sur-Launette, Senlis, Le Ménil-Aubry, Ezanville & Nantheuil-le-Haudouin. — Type age: Eocene (Bartonian). — Current status: synonym of *Venerella globosa* (Deshayes, 1824) (Glibert & Van de Poel 1966b: 78).

*obovalis*, *Chione* – Deshayes, 1853a: 154. — Type locality: none given [Chile]. — Type age: Recent. — Type material: NHMUK 20230061, syntype. — Current status: synonym of *Tawera elliptica* (Lamarck, 1818) [*Cytherea*] (Huber 2010a: 372, 717; Valentich-Scott *et al.* 2020: 338).

*obsoleta*, *Cytherea* – Deshayes, 1857-DescrCoqFoss: 33, pl. 33, figs 27-29; 1858-DescrCoqFoss: 458-459. — Type locality: Coincourt. — Type age: Eocene (Lutetian). — Current status: *Pitar* (*Pitar*) *obsoleta* (Deshayes, 1857) (Le Renard & Pacaud 1995: 71; Pacaud 2008: 91).

*obscurata*, *Tapes* – Deshayes, 1853a: 169-170; 1854b: 9. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 1968157, 2 syntypes. — Current status: synonym of the Indo-Pacific *Tapes belcheri* G. B. Sowerby II, 1852 (Huber 2010a: 420; 2015: chapter 5 on CD).

*ovalina*, *Cytherea* – Deshayes, 1857-DescrCoqFoss: 33, pl. 33, figs 17-19; 1858-DescrCoqFoss: 443. — Type localities: Thiverval-Grignon, Damery, Parnes & Valognes. — Type age: Eocene (Lutetian). — Type species (SD Crosse, 1887) of *Chionella* Cossmann, 1886. Genus not preoccupied by *Chionella* Swainson, 1840, *ex* Jeffreys ms, unavailable because it was established in the synonymy of *Macrospira*; *Paradione* Dall, 1909, was thus an unnecessary replacement name. *Pitar* (*Paradione*) *ovalina* (Deshayes, 1857) (Glibert & Van de Poel 1966b: 55, 56; Pacaud 2008: 91; Pacaud & Le Renard 1995: 187). — Current status: *Pitar* (*Chionella*) *ovalina* (Deshayes, 1857) (Le Renard & Pacaud 1995: 72).

- parisiensis*, *Cytherea* – Deshayes, 1857-*DescrCoqFoss*: 29, as *C. “lamarckii”*, 29, pl. 29, figs 29-32 (see above), *non* Agassiz, 1845; 1858-*DescrCoqFoss*: 441-442, replacement name; 1865-*DescrCoqFoss*: 666 [correction in fig. expl. made]. — Type localities: Thiverval-Grignon, Parnes, Mouchy-le-Châtel, Fercourt, Cumières, Gomerfontaine, Hérouval, Chaussy, Liancourt-Saint-Pierre, Les Groux, Chaumont-en-Vexin, Damery, Chamery, Montmirail, Hermonville, Coincourt, Boursault, Mouy, Auvers-sur-Oise, Valmondois, Mary-sur-Marne, Betz, Acy-en-Multien, Caumont, Vendrest, Jaignes, Montagny-en-Vexin & Le Guépelle. — Type age: Eocene (Lutetian-Bartonian); Bracklesham & Barton-on-Sea, England. — Type age: Eocene (Lutetian-Bartonian). *Pitar* (*Chionella*) *parisiensis* (Deshayes, 1858) (Glibert & Van de Poel 1966b: 56-57). — Current status: *Pitar* (*Calpitaria*) *parisiensis* (Deshayes, 1858) (Glibert 1980: 31-32; Le Renard & Pacaud 1995: 71; Pacaud 2008: 91).
- parisiensis*, *Tapes* – Deshayes, 1857-*DescrCoqFoss*: 29, pl. 29, fig. 5-6; 1858-*DescrCoqFoss*: 415. — Type locality: “Le Fayel.” — Type age: Eocene (Bartonian). — Current status: a Recent *Callista*, not fossil (Cossmann 1907: 194).
- paupercula*, *Venerupis* – Deshayes, 1854b: 5. — Type locality: “New Zealand”; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1854a: 769, pl. 165, fig. 30. — Type material: NHMUK unnumbered, 3 syntype pairs. — Current status: synonym of the eastern Pacific *Paphonotia elliptica* (G. B. Sowerby I, 1834) [*Petricola*] (Coan & Valentich-Scott 2012: 783-785).
- personata*, *Circe* – Deshayes, 1853a: 84-85; 1854b: 6. — Type locality: Australia. — Type age: Recent. — Type material: NHMUK unnumbered, 1 syntype. — Current status: synonym of *Circe scripta* (Linnaeus, 1758) [*Venus*] (Huber 2010a: 385; 2015: chapter 5 on CD).
- petiti*, *Venerupis* – Deshayes, 1839d: 359; 1841: 2, pl. 39. — Type locality: California; Mr. Chiron. — Type age: Recent. — Current status: synonym of *Leukoma staminea* (Conrad, 1837) [*Venus*] (Coan & Valentich-Scott 2012: 778-779).
- phasianella*, *Dione* – Deshayes, 1853a: 64; 1854b: 2. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 1996457, 4 syntypes. — Current status: the Japanese *Callista phasianella* (Deshayes, 1853) (Huber, 2010a: 408; Matsukuma, in Okutani 2017: 1248-1249, pl. 544, fig. 3).
- philippii*, *Chione* – Deshayes, 1853a: 146. — Type localities: China & Philippine Islands. — Type age: Recent. — Current status: synonym of *Marcia japonica* (Gmelin, 1791) [*Venus*] (Huber 2010a: 426; 2015: chapter 5 on CD).
- philippii*, *Dione* – Deshayes, 1853a: 72. — Type locality: Philippine Islands. — Type age: Recent. Replacement name for *Cytherea modesta* Philippi, 1845b (Philippi 1845b: 198, pl. 3, fig. 3), *non* G. B. Sowerby, I, 1835 (Coan & Kabat, 2017: 101). — Current status: synonym of *Pitar inflatus* (G. B. Sowerby II, 1851) [*Cytherea*] (Huber 2015: chapter 5 on CD; Lutaenko *et al.*, 2021: 227).
- planicosta*, *Venerupis* – Deshayes, 1854b: 4. — Type locality: Swan River, Western Australia; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1854a: 769, pl. 165, fig. 33 (Hedley, 1913: 271, pl. 16, figs 25-26). NHMUK unnumbered, holotype. — Current status: synonym of *Irus carditoides* (Lamarck, 1818) [*Venerupis*] (Huber 2010a: 428, 748).
- polita*, *Dosinia* – Deshayes, 1853a: 19. — Type locality: Gambia. — Type age: Recent. — Type material: NHMUK unnumbered, 1 syntype pair with one valve broken. — Current status: synonym of *Dosinia afra* (Gmelin, 1791) [*Venus*] (Huber 2010a: 411; 2015: chapter 5 on CD; Cosel & Gofas 2019: 920-921).
- proxima*, *Cytherea* – Deshayes, 1857-*DescrCoqFoss*: 30, pl. 30, figs 31-34; 1858-*DescrCoqFoss*: 435-436. — Type localities: Cuise-la-Motte,
- Laon, Mons-en-Laonnois, Sermoise, Vauxbuin, Cuisy-en-Almont, Aizy-Jouy, Hérouval, Cœuvres-et-Valsery, Bracheux, Abbecourt & Noailles. — Type age: Paleocene-Eocene (Thanetian-Ypresian). — Type species (OD) of *Microcallista* Stewart, 1930. *Callista proxima* (Deshayes, 1857) (Glibert & Van de Poel 1966b: 66). — Current status: *Callista* (*Microcallista*) *proxima* (Deshayes, 1857) (Le Renard & Pacaud 1995: 71; Leroy *et al.* 2014: 28, pl. 12, fig. 9-10).
- pulcherrima*, *Venerupis* – Deshayes, 1854b: 4, pl. 18, fig. 7. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1854a: 766-767, pl. 165, fig. 28. — Type material: NHMUK unnumbered, 3 syntypes. — Current status: synonym of *Irus irus* (Linnaeus, 1758) [*Donax*] (Lutaenko *et al.* 2021: 234).
- pulcherrima*, *Venus* – Deshayes, 1860c: 381-382, pl. 14, figs 1-2, on pl. as “*Trigonia?*”. — Type locality: none given. — Type age: Tertiary. — Type species (OD) of *Radiocrista* Dall, 1902. Preoccupies *Venus pulcherrima* K. Martin, 1883, which was renamed *Chione martini* Finlay, 1927. *Gaffarium* (*Radiocrista*) *pulcherrima* (Deshayes, 1860) (Pacaud *herein*).
- pulchra*, *Circe* – Deshayes, 1854b: 6. — Type locality: Red Sea; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 1 syntype. Synonym of *Circenita callipyga* (Born, 1778) [*Venus*] (Tomlin 1923: 311; Huber 2010a: 385; 2015: chapter 5 on CD).
- punicea*, *Tapes* – Deshayes, 1853a: 179; 1854b: 10. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 2 syntypes. Synonym of *Venerupis* (*Ruditapes*) *aspera* (Quoy & Gaimard, 1835) [*Venus*] (Huber 2010a: 428, 748; Lutaenko *et al.* 2021: 232).
- pura*, *Dione* – Deshayes, 1853a: 68. — Type locality: Callao, Peru; Hinds. — Type material: NHMUK 1842.1.29.807-809?, 3 syntype pairs. — Type age: Recent. The Peruvian-Chilean *Pitar pura* (Deshayes, 1853) (Huber 2010a: 397, 730; Valentich-Scott *et al.* 2020: 343, 344).
- pusilla*, *Cytherea* – Deshayes, 1825-*DescrCoqFoss*: 137-138, 11, pl. 22, figs 14-15 [only fig. 14 cited in text]; 1837-*DescrCoqFoss*: 810 [error corrected], *non* *Venus pusilla* Gmelin, 1791; 1850-*TraitElem*: 592; 1858-*DescrCoqFoss*: 477. *Venus subpusilla* d’Orbigny, 1850b (d’Orbigny 1850b: 304, no. 130), replacement name. *Gouldia pusilla* (Deshayes, 1825) (Glibert & Van de Poel 1966b: 52). *Gouldia subpusilla* (d’Orbigny, 1850) (Le Renard & Pacaud 1995: 72; Pacaud 2007: 64). The use of the replacement name *Gouldia subpusilla* by Le Renard & Pacaud (1995) and Pacaud (2007) renders the replaced secondary homonym permanently invalid (ICZN, *Code Art.* 59.3).
- quadrata*, *Venus* – Deshayes, 1857-*DescrCoqFoss*: 28, pl. 28, figs 24-26; 1858-*DescrCoqFoss*: 428. — Type locality: Mercin-et-Vaux. — Type age: Eocene (Ypresian). *Venerella quadrata* (Deshayes, 1857) (Le Renard & Pacaud 1995: 71).
- quadriradiata*, *Tapes* – Deshayes, 1853a: 171; 1854b: 9, pl. 19, fig. 6. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 3 syntype pairs. Synonym of *Tapes belcheri* G. B. Sowerby II, 1852 (Huber 2010a: 420; 2015: chapter 5 on CD, mistakenly as “Phil.”).
- radiata*, *Chione* – Deshayes, 1853: 152, *ex* Chemnitz ms. — Type localities: Red Sea & China. — Type age: Recent. Synonym of *Marcia cordata* (Forsskål, 1775) [*Venus*] (Huber 2010a: 426, 723) from the Red Sea.
- regularis*, *Chione* – Deshayes, 1853a: 146; 1854b: 7. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 2 syntype pairs. Synonym of *Marcia japonica* (Gmelin, 1791) [*Venus*] (Tomlin 1923: 312; Huber 2010a: 426; 2015: chapter 5 on CD).



*retroversa*, *Chione* – Deshayes, 1853a: 123. — Type locality: Australia. — Type age: Recent. — Type material: NHMUK unnumbered, 5 syntype pairs. *Placamen retroversum* (Deshayes, 1853) (Huber 2010a: 369, 715).

*roissyi*, *Venus*; see: *geslini*, *Venus*.

*ruderata*, *Chione* – Deshayes, 1853a: 136. — Type locality: California. — Type age: Recent. Synonym of *Leukoma staminea* (Conrad, 1837) [*Venus*] (Tomlin 1923: 312; Kantor & Sysoev 2005: 390; Coan & Valentich-Scott 2012: 778-779).

*rufescens*, *Dione* – Deshayes, 1853a: 67; 1854b: 2. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 1 syntype pair. *Pitar rufescens* (Deshayes, 1853) (Huber 2015: chapter 5 on CD).

*rustica*, *Cytherea* – Deshayes, 1825-DescrCoqFoss: 130-131, 12, pl. 23, figs 10-11 [in text as “pl. 33”; vol. 2: 810 [pl. corrected to 23]. — Type localities: Pierrelaye, Marines, Levemont & Marquemont. — Type age: Eocene (Bartonian). 1858-DescrCoqFoss: 463. — Type species (SD Crosse, 1887) of *Tivelina* Cossmann, 1886. *Tivelina rustica* (Deshayes, 1825) (Glibert & Van de Poel 1966b: 66, 68; Le Renard & Pacaud 1995: 72; Nevesskaja et al. 2013: 405, fig. 148-5).

*saincenyensis*, *Cytherea* – Deshayes, 1857-DescrCoqFoss: 31, pl. 31, figs 29-30; 1858-DescrCoqFoss: 459. — Type locality: Sinceny. — Type age: Eocene (Ypresian). *Pitar* (?*Calpitarina*) *saincenyensis* (Deshayes, 1857) (Le Renard & Pacaud 1995: 71).

*scintilla*, *Cytherea* – Deshayes, 1857-DescrCoqFoss: 33, pl. 33, figs 20-22; 1858-DescrCoqFoss: 439. — Type localities: Mercinet-Vaux, Laversine & Cuise-la-Motte. — Type age: Eocene (Ypresian). *Tivelina scintilla* (Deshayes, 1857) (Le Renard & Pacaud 1995: 71).

*sculpta*, *Venus* – Deshayes, 1853a: 100; 1854b: 3. — Type locality: none given; Cuming coll. — Type age: Recent. Synonym of the Australian *Globivenus toreuma* (Gould, 1850) [*Venus*] (Tomlin 1923: 311; Huber 2015: chapter 5 on CD; Lutaenko et al. 2021: 225).

*secunda*, *Venus* – Deshayes, 1857-DescrCoqFoss: 28, pl. 28, figs 21-23; 1858-DescrCoqFoss: 426. — Type locality: Hérouval. — Type age: Eocene (Lutetian). *Venerella secunda* (Deshayes, 1857) (Glibert & Van de Poel 1966b: 80, as “1858”; Le Renard & Pacaud 1995: 71; Pacaud 2008: 92).

*semiobliterata*, *Dosinia* – Deshayes, 1853a: 6-7. — Type locality: “Australia”; Cuming coll. — Type age: Recent. — Type material: NHMUK 1966471, 2 syntypes. The eastern Pacific *Dosinia semiobliterata* Deshayes, 1853 (Coan & Valentich-Scott 2012: 826-827).

*separata*, *Cytherea* – Deshayes, 1857-DescrCoqFoss: 30, pl. 30, figs 5-8; 1858-DescrCoqFoss: 471. — Type localities: Cuise-la-Motte, Mercinet-Vaux & Laversine. — Type age: Eocene (Ypresian). *Meroena separata* (Deshayes, 1857) (Le Renard & Pacaud 1995: 72; Pacaud 2008: 92).

*siliqua*, *Venerupis* – Deshayes, 1854b: 5, pl. 18, fig. 1. — Type locality: New Zealand; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1854a: 769, pl. 165, fig. 27. — Type material: NHMUK unnumbered, 2 syntype pairs. Synonym of *Irus reflexus* (J. E. Gray, 1843) [*Venerupis*] (Powell 1979: 425, pl. 77, fig. 16); *Irus* (*Notirus*) *reflexus* (J. E. Gray, 1843) (Huber 2010a: 429; 2015: chapter 5 on CD).

*similis*, *Tapes* – Deshayes, 1853a: 167; 1854b: 8. — Type locality: none given; Cuming coll. — Type age: Recent. Synonym of the west African *Polittitapes durus* (Gmelin, 1791) [*Venus*] (Tomlin 1923: 313; Huber 2010a: 421; 2015: chapter 5 on CD).

*solida*, *Venus* – Deshayes, 1825-DescrCoqFoss: 144; 1829: 13, pl. 25, figs 3-4, non Schroeter, 1802; 1832-EncyMeth: 1122; 1835-HistNatAnim2: 378; 1839-HistNatAnim3: 620; 1858-DescrCoqFoss: 427. — Type localities: Acy-en Multien & Caumont. — Type age: Eocene (Bartonian). — Type species (OD) of *Similivenus* Cossmann, 1910, which is regarded as a synonym of *Venerella* Cossmann, 1886. Renamed *Similivenus insolida* Keen, 1954. *Venerella secunda* [Deshayes, 1857] *insolida* (Keen, 1954) (Glibert & Van de Poel 1966b: 78; Le Renard & Pacaud 1995: 71; Pacaud 2008: 92).

*soror*, *Cytherea* – Deshayes, 1858-DescrCoqFoss: 469, 59, pl. 59, figs 27-29. — Type locality: Cresnes. — Type age: Eocene (Bartonian). — Type material: MNHN.FJ04149, syntype. *Callista* (*Callista*) *elegans* [Lamarck, 1806] *soror* (Deshayes, 1858) (Glibert & Van de Poel 1966b: 62-63; Le Renard & Pacaud 1995: 72, as “1857”).

*sowerbyi*, *Circe* – Deshayes, 1853a: 95. — Type locality: Ticao Island, Philippine Islands. — Type age: Recent. *Lioconcha sowerbyi* (Deshayes, 1853) (Huber 2010a: 388).

*sowerbyi*, *Venus* – Deshayes, 1853a: 109; 1854b: 2. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1991050, 1962182, one syntype each. *Antigona sowerbyi* (Deshayes, 1853) (Huber 2010a: 366, 714; Poppe 2017: 592, pl. 1596, fig. 10).

*sphaericula*, *Chione* – Deshayes, 1854b: 8. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 1 syntype pair. The New Zealand *Tawera sphaericula* (Deshayes, 1854) (Huber 2010a: 717). *Venus sphaerisulca* G. B. Sowerby II, 1854b (p. 787), is an incorrect subsequent spelling (Petit 2009: 169).

*spissa*, *Venus* – Deshayes, 1835-HistNatAnim2: 373, ex Quoy ms; 1839-HistNatAnim3: 618. — Type locality: New Zealand. — Type age: Recent. This name does not appear in Quoy & Gaimard (1835), and the figures referred to by Deshayes therein were named *Venus crassa* by Quoy & Gaimard (1835: 525, pl. 84, figs 7-8). Undoubtedly, Deshayes realized that *Venus crassa* was a junior homonym – non Gmelin, 1791 – and proposed a new species because of the homonymy; thus it is not explicitly a replacement name. — Type species (OD) of *Tawera* Marwick, 1927. The New Zealand *Tawera spissa* (Deshayes, 1835) (Powell 1979: 424, pl. 77, fig. 7; Huber 2010a: 372).

*splendida*, *Cytherea* – Deshayes, 1857-DescrCoqFoss: 29, pl. 29, figs 1-4; 1858-DescrCoqFoss: 440, ex Mérian ms. — Type localities: Etréchy, Jeurre & Morigny-Champigny. — Type age: Oligocene (Rupelian). Bünde, Alzey, Eckelsheim, Kaufungen, Weinheim, Ahnegraben, near Kassel & Sternberg, Germany; Délémont, Coeuve, Neucul, Miécourt, Switzerland; Kleine-Spouwen & Vliermael, Belgium. *Callista splendida* (Deshayes, 1857) (Glibert & Van de Poel 1966b: 66; Lozouet & Maestrati 2012a: 262, 264, fig. 169: 5-8). *Callista* (*Costacallista*) *splendida* (Deshayes, 1857) (Marquet et al. 2012: 82-83, pl. 30, fig. 2).

*squalidus*, *Saxidomus* – Deshayes, 1853a: 188. — Type locality: “Copiapó, Chile.”. — Type age: Recent. — Current status: mislocalized specimen and synonym of the northeastern Pacific *Saxidomus nuttalli* Conrad, 1837 (Coan et al. 2000: 385-386).

*stampinensis*, *Cytherea* – Deshayes, 1858-DescrCoqFoss: 467, 59, pl. 59, figs 24-26. — Type locality: Jeurre. — Type age: Oligocene (Rupelian). — Type material: MNHN.FJ04136, syntype. — Current status: synonym of *Tivelina depressa* (Deshayes, 1857) (Pacaud herein).

*strangei*, *Clementia* – Deshayes, 1854d: 17. — Type locality: Moreton Bay, Queensland, Australia; Cuming coll. — Type age: Recent. — Current status: synonym of *Clementia papyracea* (Gmelin, 1791) [*Mactra*] (Huber 2010a: 419; 2015: chapter 5 on CD).

*striatula*, *Cytherea* – Deshayes, 1857-*DescrCoqFoss*: 33, pl. 33, figs 4-7; 1858-*DescrCoqFoss*: 462. — Type localities: Auvers-sur-Oise, Montagny-en-Vexin & Le Fayel. — Type age: Eocene (Bartonian). Synonym of *Cytherea striatula* Deshayes, 1825 (Cossmann 1886a: 120-121). — Current status: *Tivelina striatula* (Deshayes, 1825) (Glibert & Van de Poel 1966b: 68; Le Renard & Pacaud 1995: 72).

*striatissima*, *Cytherea* – Deshayes, 1857-*DescrCoqFoss*: 34, pl. 34, figs 5-6; 1858-*DescrCoqFoss*: 458. — Type localities: Jeurre & Étréchy. — Type age: Oligocene (Rupelian). *Tivelina striatissima* (Deshayes, 1857) (Lozouet & Maestrati 2012b: 25).

*striatula*, *Cytherea* – Deshayes, 1825-*DescrCoqFoss*: 129-130, 10, pl. 20, figs 10-11; 1858-*DescrCoqFoss*: 462-463. — Type localities: Thiverval-Grignon, Beauchamp, Valmondois. — Type age: Eocene (Lutetian-Bartonian). — Current status: *Tivelina striatula* (Deshayes, 1825) (Glibert & Van de Poel 1966b: 68; Le Renard & Pacaud 1995: 72).

*striatula*, *Venerupis* – Deshayes, 1824-*DescrCoqFoss*: 70, 5, pl. 10, figs 6-7; 1832-*EncyMeth*: 1111; 1835-*HistNatAnim2*: 165; 1839-*HistNatAnim3*: 556; 1858-*DescrCoqFoss*: 405-406. — Type localities: Acy-en Multien & La Chapelle-en-Serval. — Type age: Eocene (Bartonian). — Current status: synonym of *Venerella globosa* (Deshayes, 1824) (Glibert & Van de Poel 1966b: 78). *Venerella striatula* (Deshayes, 1824) (Le Renard & Pacaud 1995: 71).

*subdecussata*, *Venerupis* – Deshayes, 1853a: 196-197. — Type locality: Terra Diemenensis [Tasmania, Australia]. — Type age: Recent. — Type material: NHMUK 1841.2.9.33-34, 2 syntypes (Hedley 1913: 271, pl. 16, figs 17-28). — Current status: synonym of *Notopaphia grisea* (Lamarck, 1818) [Venus] (Huber 2015: chapter 5 on CD).

*suberycinoides*, *Cytherea* – Deshayes, 1825-*DescrCoqFoss*: 129, 11, pl. 22, figs 8-9; 1830b-*EncyMeth*: 60; 1839-*TraitElem*: 12, pl. 19, figs 6-7, as *C. erycinoides*; 1850-*TraitElem*: 593, 605, as *Venus suberycinoides*; 1858-*DescrCoqFoss*: 438. — Type localities: Mouchy-le-Châtel & Acy-en Multien. — Type age: Eocene (Lutetian-Bartonian). Bracheux. Material from the latter locality is more likely to be *Callista (Microcallista) proxima* (Deshayes) (Pacaud herein). There is a *Cytherea erycinoides* Lamarck, 1818, from the Miocene of France, but the plate explanation above was a typographical error. — Current status: *Costacallista suberycinoides* (Deshayes, 1825) (Le Renard & Pacaud 1995: 71).

*suborbicularis*, *Cytherea* – Deshayes, 1858: 552. *Nomen nudum*.

*substriata*, *Cytherea* – Deshayes, 1857-*DescrCoqFoss*: 33, pl. 33, figs 10-13; 1858-*DescrCoqFoss*: 467. — Type locality: Mortefon-taine. — Type age: Eocene (Bartonian). Synonym of *Cytherea deltoidea* Lamarck, 1806 (Cossmann 1886a: 122). — Current status: *Tivelina deltoidea* (Lamarck, 1806) (Le Renard & Pacaud 1995: 72).

*suessoniensis*, *Cytherea* – Deshayes in Watelet, 1853: 16, 21, pl. 1, figs 6-9; 1857-*DescrCoqFoss*: 30, pl. 30, figs 22-25; 1858-*DescrCoqFoss*: 446-447. — Type localities: Sermoise & Vauxbuin. — Type age: Eocene (Ypresian). Aizy-Jouy, Vauxbuin, Sermoise & Laon. — Type age: Eocene (Ypresian). Highgate & Sheppy, England. — Current status: *Pitar (Calpitararia) sulcataria* [Deshayes, 1825] *suessoniensis* (Deshayes in Watelet, 1853) (Le Renard & Pacaud 1995: 71)

*sulcataria*, *Cytherea* – Deshayes, 1825-*DescrCoqFoss*: 133-134, 10, pl. 20, figs 14-15; 1830b-*EncyMeth*: 61; 1850-*TraitElem*: 592-593; 1858-*DescrCoqFoss*: 448-449. — Type localities: Parnes & Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Type species (OD) of *Calpitararia* Jukes-Browne, 1908. *Pitar (Chionella) sulcataria* (Deshayes, 1825) (Glibert & Van de Poel 1966b: 57). — Current status: *Pitar (Calpitararia) sulcataria* (Deshayes, 1825) (Le Renard & Pacaud 1995: 71; Jeffery & Tracey 1997: 81, 89, pl. 5, figs 1-4; Pacaud 2008: 91).

*tenuis*, *Venus* – Deshayes, 1825-*DescrCoqFoss*: 143, 12, pl. 23, figs 18-19 [in text as “figs 8-9”], non Blainville, 1824; 1835-*Hist-NatAnim2*: 377; 1839-*HistNatAnim3*: 620; 1837-*DescrCoqFoss*: 810 [error corrected]. — Type localities: Vaugirard (Paris). — Type age: Eocene (Lutetian); 1832-*EncyMeth*: 1121; 1858-*DescrCoqFoss*: 414, as *Tapes*. *Tapes (Callistotapes) tenuis* (Deshayes, 1825) (Le Renard 1994: 40; Le Renard & Pacaud 1995: 71; Pacaud 2008: 92). — Current status: *Tapes (Callistotapes) valgerardensis* Pacaud, n. name (replacement name herein): from its type locality, Valgérard in the 12<sup>th</sup> century, a village annexed to the city of Paris in 1860.

*texta*, *Venerupis* – Deshayes, 1853a: 195. — Type locality: Australia. — Type age: Recent. — Type material: NHMUK, type material not located. — Current status: *Kyrina texta* (Deshayes, 1853) (Huber 2010a: 740).

*textrix*, *Tapes* – Deshayes, 1853a: 171-172, ex Chemnitz ms. — Type localities: Indian Ocean & Australia. — Type age: Recent. — Type species (T) of *Textrix* E. Römer, 1857, non Sundevall, 1833 [Arachnida]; *Paratapes* Stoliczka, 1870, replacement name. — Current status: synonym of *Paratapes textilis* (Gmelin, 1791) [Venus] (Huber 2010a: 423; 2015: chapter 5 on CD, as *Paphia*).

*tranquilla*, *Cytherea* – Deshayes, 1857-*DescrCoqFoss*: 29, pl. 29, figs 20-23; 1858-*DescrCoqFoss*: 450-451. — Type localities: Cuise-la-Motte & Rethuil. — Type age: Eocene (Ypresian). *Nitidavenus tranquilla* (Deshayes, 1857) (Glibert & Van de Poel 1966b: 70, as “1858”). — Current status: *Callocardia (Nitidavenus) tranquilla* (Deshayes, 1857) (Le Renard & Pacaud 1995: 72).

*transversaria*, *Circe* – Deshayes, 1853a: 90; 1854b: 6. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 3 syntypes. — Current status: synonym of *Gafrarium divericatum* (Gmelin, 1791) [Venus] (Huber 2010a: 383; 2015: chapter 5 on CD).

*trigonula*, *Cytherea* – Deshayes, 1825-*DescrCoqFoss*: 139-140, 11, pl. 21, figs 12-13; 1858-*DescrCoqFoss*: 470-471. — Type localities: Acy-en Multien & Valmondois. — Type age: Eocene (Bartonian). — Type species (OD) of *Meroena* Jukes-Browne, 1908. — Current status: *Meroena trigonula* (Deshayes, 1825) (Glibert & Van de Poel 1966b: 53; Le Renard & Pacaud 1995: 72; Nevesskaja *et al.* 2013: 407, fig. 148-14).

*truncatus*, *Cuneus* – Deshayes, 1853a: 43; 1854b: 1-2, non da Costa, 1778. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 4 syntypes. — Current status: synonym of *Sunetta concinna* Dunker, 1865 (Huber 2010a: 394, 727, 728).

*tuberosa*, *Venus* – Deshayes, 1853a: 99-100. — Type locality: “New Zealand”. — Type age: Recent. — Type material: NHMUK 20070185, 1 syntype valve. — Current status: synonym of the European *Venus verrucosa* Linnaeus, 1758 (Huber 2010a: 360; 2015: chapter 5 on CD).

*turgescens*, *Venus* – Deshayes, 1857-*DescrCoqFoss*: 33, pl. 33, figs 33-36; 1858-*DescrCoqFoss*: 427-428. — Type locality: Le Fayel. — Type age: Eocene (Bartonian). — Current status: *Venerella secunda* [Deshayes, 1857] *turgescens* (Deshayes, 1857) (Le Renard & Pacaud 1995: 71).

*turgidula*, *Tapes* – Deshayes, 1853a: 166; 1854b: 8, pl. 19, fig. 4. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1968160, holotype. — Current status: synonym of *Tapes conspersus* (Gmelin, 1791) [Venus] (Huber 2010a: 420; 2015: chapter 5 on CD). This is distinct from Reeve’s use of Deshayes’ species name for material from Pakistan, which is now *Protapes monstrosa* (Römer, 1870) [Tapes] (Huber 2010a: 744).



*turgidula*, *Venus* – Deshayes, 1825-*DescrCoqFoss*: 143-144, 12, pl. 23, figs 14-15; 1832-*EncyMeth*: 1121-1122; 1835-*HistNatAnim2*: 378; 1839-*HistNatAnim3*: 620; 1858-*DescrCoqFoss*: 422. — Type locality: Houdan. — Type age: Eocene (Lutetian). — Current status: *Venerella turgidula* (Deshayes, 1825) (Glibert & Van de Poel 1966b: 80; Le Renard & Pacaud 1995: 71; Pacaud 2008: 92).

*ustulata*, *Chione* – Deshayes, 1853a: 153; 1854b: 8. — Type locality: Manilla, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK unnumbered, 2 syntype pairs. — Current status: synonym of *Marcia recens* (Holten, 1802, ex Chemnitz ms) [*Venus*] (Huber 2010a: 426; 2015: chapter 5 on CD).

*veneris*, *Dione* – Deshayes, 1853a: 75-76, ex d'Argenville ms. — Type locality: western Atlantic. — Type age: Recent. — Current status: synonym of *Hysteroconcha dione* (Linnaeus, 1758) [*Venus*] (Huber 2010a: 403; 2015: chapter 5 on CD).

*vetula*, *Cytherea* – Deshayes, 1857-*DescrCoqFoss*: 31, pl. 31, figs 22-24; 1858-*DescrCoqFoss*: 59, pl. 59, figs 21-23 [pl. 59 figs not cited in text]; 1858-*DescrCoqFoss*: 476. — Type locality: Mary-sur-Marne. — Type age: Eocene (Bartonian). — Current status: *Gouldia vetula* (Deshayes, 1857) (Le Renard & Pacaud 1995: 72).

*violascens*, *Tapes* – Deshayes, 1853a: 181; 1854b: 10. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 1968158, holotype. — Current status: synonym of the widely introduced *Venerupis (Ruditapes) philippinarum* (A. Adams & Reeve, 1850) [*Venus*] (Coan et al. 2000: 387; Sabelli et al. 1990: 329; Huber 2010a: 428; 2015: chapter 5 on CD; Lutaenko et al. 2021: 231).

*wateleti*, *Cytherea* – Deshayes, 1857-*DescrCoqFoss*: 33, pl. 33, figs 30-32; 1858-*DescrCoqFoss*: 438-439. — Type locality: Mercin-et-Vaux. — Type age: Eocene (Ypresian). — Type material: MNHN.F.A27170, holotype. — Current status: synonym of *Cytherea proxima* Deshayes, 1857 (Cossmann 1886a: 113). *Callista (Microcallista) proxima* (Deshayes, 1857) (Le Renard & Pacaud 1995: 71).

*woodii*, *Cyclina* – Deshayes, 1850-*TraitElem*: 626. — Type locality: Bordeaux. — Type age: Miocene (Burdigalian). — Current status: *taxon inquirendum*.

*zeilanica*, *Venus* – Deshayes, 1835-*HistNatAnim2*: 373. Misspelling of *Venus zelandica* Quoy & Gaimard, 1835.



*delessertii*, *Cytheraea* – G. B. Sowerby II, 1854b: 785, ex Deshayes ms, with reference to G. B. Sowerby, II, 1851: 616, pl. 128, fig. 15, as “*Cytheraea nitidula* Lamarck, 1805”). — Current status: *Tivela delessertii* (G. B. Sowerby II, 1854) (Huber 2015: chapter 5 on CD).

*rugosa*, *Venerupis* – G. B. Sowerby II, 1854a: 768-769, pl. 165, fig. 25, ex Deshayes ms. Sowerby cited a Deshayes *Proceedings of the Zoological Society of London article*, but this species did not appear therein (Petit, 2009: 162). — Current status: *Venerupis rugosa* G. B. Sowerby II, 1854 (Huber 2010a: 427).

*semidecussata*, *Tapes* – Reeve, 1864: pl. 13, fig. 67, ex Deshayes ms. — Current status: synonym of *Ruditapes philippinarum* (A. Adams & Reeve, 1850) [*Venus*] (Huber 2010a: 428, as *Venerupis*; 2015: chapter 5 on CD).

*vitulata*, *Tapes* – Reeve, 1864: pl. 4, fig. 15a-b, ex Deshayes ms. — Current status: synonym of the eastern Atlantic *Polittapes rhomboides* (Pennant, 1777) [*Venus*] (Sabelli et al. 1990: 330).

## Family NEOLEPTONIDAE Thiele, 1934

*terminalis*, *Erycina* – Deshayes, 1858-*DescrCoqFoss*: 50, pl. 50, figs 38-41; 1860-*DescrCoqFoss*: 713; 1865-*DescrCoqFoss*: 666 [fig. 41 should have been referenced on p. 50]. — Type locality: Chaussy. — Type age: Eocene (Lutetian). A synonym of this species is *Goodalliopsis orbigny* Raincourt & Munier-Chalmas, 1863, type species (M) of their genus *Goodalliopsis* (Neveeskaja et al. 2013: 321, fig. 114-15). — Current status: *Goodalliopsis terminalis* (Deshayes, 1858) (Le Renard & Pacaud 1995: 78; Pacaud 2008: 89).

## Family PETRICOLIDAE d'Orbigny, 1840

This family was first noted by Deshayes (1832-*EncyMeth*: 552, 553) as the vernacular, “Pétricolées”.

*Lajonkairia* – Deshayes, 1855d: 217-218. — Type species (SD P. Fischer, 1887): *Venerupis decussata* Philippi, 1836. *Lajonkairiea* P. Fischer, 1887, is an incorrect subsequent spelling; *Lajonkairiea* Jukes-Browne, 1910, is an unjustified emendation. — Current status: valid genus. Philippi's species is now regarded as a junior synonym of *Lajonkairia lajonkairii* (Payraudeau, 1826) [*Venerupis*] (Neveeskaja et al. 2013: 412, fig. 150-5; Coan & Kabat 2017: 97).

*arcuata*, *Petricola* – Deshayes, 1839d: 358; 1840: pl. 19; 1853a: 208. — Type locality: California. — Type age: Recent. — Current status: synonym of *Petricola carditoides* (Conrad, 1837) [*Saxicava*] (Coan et al. 2000: 390-391).

*bipartita*, *Petricola* – Deshayes, 1853a: 211. — Type locality: Samar Island, Philippine Islands. — Type age: Recent. — Current status: synonym of *Petricola fabagella* Lamarck, 1818 (Huber 2010a: 431; 2015: chapter 5 on CD).

*chinensis*, *Petricola* – Deshayes, 1853a: 211. — Type locality: China. — Type age: Recent. — Current status: synonym of *Petricola fabagella* Lamarck, 1818 (Huber 2010a: 431, 750).

*cultellus*, *Petricola* – Deshayes, 1853a: 213. — Type locality: Ceylon. — Type age: Recent. — Type material: NHMUK 1995216, 3 syntypes. — Current status: *Petricolaria cultellus* (Deshayes, 1853) (Huber 2015: chapter 5 on CD).

*cylindracea*, *Petricola* – Deshayes, 1839d: 358-359; 1840: pl. 20. 1853a: 208. — Type locality: California. — Type age: Recent. — Type material: MHMUK 1966562, 2 syntypes. — Current status: synonym of *Petricola carditoides* (Conrad, 1837) [*Saxicava*] (Coan et al. 2000: 390-391).

*faujassii*, *Clotho* – Deshayes, 1823-*DictClass4*: 223. Genus *Clotho* was created by Faujas de Saint-Fond (1808: 390-392, pl. 40) without species. Its type species (SM) was fixed here by Deshayes with this new, then-unnamed species figured by Faujas de Saint-Fond was from Cliou[sclat], Loriol, France. — Type age: Pliocene. The genus appears to be a synonym of *Petricola* Lamarck, 1801. — Current status: probable synonym of *Petricola lithophaga* (Retzius, 1788) [*Venus*], which has been reported from the Pliocene of France.

*gracilis*, *Petricola* – Deshayes, 1853a: 214. — Type locality: none given. — Type age: Recent. — Type material: NHMUK 196953, 3 syntypes. — Current status: the eastern Atlantic *Petricolaria gracilis* (Deshayes, 1853) (Oliver 1992: 194, pl. 44; Cosel & Gofas 2019: 938-939).

*hyalina*, *Petricola* – Deshayes, 1845-*Algér*: pl. 66, figs 1-4. — Type locality: Algeria. — Type age: Recent. — Current status: synonym of *Petricola lithophaga* (Retzius, 1788) [*Venus*] (Bucquoy et al. 1893: 445-450, pl. 67, figs 20-28; Lamy 1923: 324).

*insignis*, *Venerupis* – Deshayes, 1854b: 6, pl. 18, fig. 4. — Type locality: “New Zealand”; Cuming coll. — Type age: Recent. G. B. Sowerby II, 1854a: 765, pl. 164, figs 5-6. — Type material: NHMUK, 3 syntypes. — Current status: the eastern Pacific *Petricola insignis* (Deshayes, 1854) (Huber 2010a: 431, 750; Coan & Valentich-Scott 2012: 848-849).

*legumen*, *Saxicava* – Deshayes, 1839d: 358; 1841: 2, pl. 29; 1853a: 190-191. — Type locality: California; Mr. Chiron. — Type age: Recent. — Current status: synonym of *Petricola carditoides* (Conrad, 1837) [*Saxicava*] (Coan *et al.* 2000: 390-391).

*mirabilis*, *Petricola* – Deshayes, 1853a: 207. — Type locality: California. — Type age: Recent. — Type material: NHMUK 1966555, holotype. G. B. Sowerby II, 1854a: 766, pl. 165, fig. 24, as *Venerupis mirabilis*, ex Deshayes ms (Petit 2009: 138). Habe (1951: 98) proposed a new genus, *Pseudoirus*, based (OD) on *Venerupis mirabilis* Deshayes, 1853, citing the original description of *Petricola mirabilis* Deshayes, but figuring a specimen from Japan, of what is now known as *Petricola habei* Huber (2010a: 431, 750, unavailable; 2010b: 16, available). Thus, his new genus was based on a misidentification (ICZN Code Art. 70.3.2), as fixed by Huber (2010a). The Japanese species was figured, as “*Pseudoirus mirabilis* (Deshayes, 1853)” by Matsukuma, in Okutani (2017: 1250, pl. 546, fig. 5). Habe’s genus is now regarded as a synonym of *Petricola*. — Current status: synonym of *Petricola carditoides* (Conrad, 1837) [*Saxicava*] (Coan *et al.* 2000: 390-391; Huber 2010a: 430, 750).

*rariflamma*, *Petricola* – Deshayes, 1839: 8, pl. 12, figs 10-12; 1850-TraitElem: 494-495; 1844-RegAnim: pl. 106, fig. 3, 3a. 1853a: 210. — Type locality: Britain. — Type age: Recent. — Current status: synonym of *Petricola lithophaga* (Retzius, 1788) [*Venus*] (Kantor & Sysøev 2005: 391; Sabelli *et al.* 1990: 331; Huber 2010a: 431; 2015: chapter 5 on CD).

*serrata*, *Petricola* – Deshayes, 1853a: 212. — Type locality: “New Zealand”. — Type age: Recent. — Type material: NHMUK unnumbered, 7 syntype valves of which 2 are broken. — Current status: the ampho-Atlantic *Petricolaria serrata* (Deshayes, 1853) (Huber 2010a: 433).

*ventricosa*, *Petricola* – Deshayes, 1853a: 214. — Type locality: California. — Type age: Recent. — Type material: NHMUK 1966556.1-3, lectotype & 2 paralectotypes. — Current status: synonym of the Panamic *Petricola denticulata* G. B. Sowerby I, 1834 (Coan & Valentich-Scott 2012: 851-853).



*divaricata*, *Petricola* – Guérin-Méneville & Deshayes, 1868: 62, pl. 30, fig. 10, internal sketch only, as “Deshayes”. — Type locality: “Indian Ocean, Australia”. — Type age: Recent. Error for *Petricola divaricata* d’Orbigny, 1853, a synonym of the Caribbean *P. lapacida* (Gmelin, 1791) [*Venus*].

#### Family MYIDAE Lamarck, 1809

*aequilateralis*, *Sphenia* – Deshayes, 1857-DescrCoqFoss: 196-197, 11 bis, pl. 11 bis, figs 4-7. — Type locality: Beauval. — Type age: Eocene (Bartonian). — Current status: *Sphenia aequilateralis* Deshayes, 1857 (Glibert & Van de Poel 1966a: 34; Le Renard & Pacaud 1995: 67).

*anatinoides*, *Sphenia* – Deshayes, 1857-DescrCoqFoss: 194, 11, pl. 11, figs 24-27. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: synonym of *Sphenia myalis* Deshayes, 1857 (Cossmann 1886a: 38; Le Renard & Pacaud 1995: 67).

*angulata*, *Sphenia* – Deshayes, 1856-DescrCoqFoss: 10, pl. 10, figs 21-23; 1857-DescrCoqFoss: 197. — Type localities: Rilly-la-Montagne & Froidmont. — Type age: Eocene (Ypresian). — Current status: *Sphenia angulata* Deshayes, 1856 (Le Renard & Pacaud 1995: 68).

*angusta*, *Sphenia* – Deshayes, 1857-DescrCoqFoss: 200-201, 11 bis, pl. 11 bis, figs 8-11 [in text mistakenly as 7-11]; 1865-DescrCoqFoss: 665 [this correction noted]. — Type localities: Thiverval-Grignon, Chambors, Saint-Thomas & Hermonville. — Type age: Eocene (Lutetian). Synonym of *Sphenia rostrata* (Lamarck, 1806) [*Corbula*] (Glibert & Van de Poel 1966a: 36). — Current status: *Sphenia angusta* Deshayes, 1857 (Le Renard & Pacaud 1995: 68; Pacaud 2008: 94).

*baudoni*, *Sphenia* – Deshayes, 1856-DescrCoqFoss: 10, pl. 10, figs 30-32; 1857-DescrCoqFoss: 191. — Type locality: Hadancourt-le-Haut-Clocher. — Type age: Eocene (Bartonian). Synonym of *Sphenia passyana* Deshayes, 1857 (Cossmann 1886a: 37-38; Glibert & Van de Poel 1966a: 36; Le Renard & Pacaud 1995: 67; Pacaud 2008: 94). — Current status: this species name being a year earlier, the synonymy should be the other way around – *Sphenia baudoni* Deshayes, 1856.

*cuneiformis*, *Sphenia* – Deshayes, 1857-DescrCoqFoss: 198-199, 11, pl. 11, figs 35-38. — Type locality: Caumont. — Type age: Eocene (Bartonian). — Current status: *Sphenia cuneiformis* Deshayes, 1857 (Glibert & Van de Poel 1966a: 35; Le Renard & Pacaud 1995: 68).

*decussata*, *Corbula* – Deshayes, 1844d: 2, pl. 105. — Type locality: Sumatra. — Type age: Recent. — Current status: *Tugonella decussata* (Deshayes, 1844) (Huber 2010a: 461).

*donaciformis*, *Sphenia* – Deshayes, 1857-DescrCoqFoss: 199, 11, pl. 11, figs 14-17. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Sphenia donaciformis* Deshayes, 1857 (Glibert & Van de Poel 1966a: 35; Le Renard & Pacaud 1995: 68).

*fabagella*, *Sphenia* – Deshayes, 1856-DescrCoqFoss: 10, pl. 10, figs 27-29; 1857-DescrCoqFoss: 190-191. — Type locality: Coincourt. — Type age: Eocene (Lutetian). — Current status: synonym of *Sphenia passyana* Deshayes, 1857 (Cossmann 1886a: 37-38; Glibert & Van de Poel 1966a: 36; Le Renard & Pacaud 1995: 67; Pacaud 2008: 94).

*fragilis*, *Sphenia* – Deshayes, 1857-DescrCoqFoss: 198, 11, pl. 11, figs 11-13, non H. Adams & A. Adams, 1856. — Type localities: Mont-Bernon (Epernay) & Cramant. — Type age: Eocene (Ypresian). — Current status: *Sphenia ruhoffae* Le Renard, 1994 (Le Renard 1994: 39), replacement name.

*myalis*, *Sphenia* – Deshayes, 1857-DescrCoqFoss: 193-194, 11, pl. 11, figs 6-10. — Type localities: Cuise-la-Motte & Laon. — Type age: Eocene (Ypresian). — Current status: *Sphenia myalis* Deshayes, 1857 (Glibert & Van de Poel 1966a: 36; Le Renard & Pacaud 1995: 67).

*passyana*, *Sphenia* – Deshayes, 1857-DescrCoqFoss: 189-190, 11, pl. 11, figs 1-5 [in text as figs 1-6]; 1865-DescrCoqFoss: 665 [correction noted]. — Type localities: Montjavoult & Coincourt. — Type age: Eocene (Lutetian). *Sphenia passyana* Deshayes, 1857 (Glibert & Van de Poel 1966a: 36; Le Renard & Pacaud 1995: 67; Pacaud 2008: 94). — Current status: synonym of *Sphenia baudoni* Deshayes, 1856.

*pellucida*, *Sphenia* – Deshayes, 1857-DescrCoqFoss: 195, 11, pl. 11, figs 22-25. — Type localities: Mont-Bernon (Epernay). — Type age: Eocene (Ypresian). — Current status: synonym of *Sphenia angulata* Deshayes, 1857 (Cossmann 1886a: 40; Le Renard & Pacaud 1995: 68).



*pseudomya*, *Mya* – Deshayes, 1839-TraitElem: 4, pl. 5, fig. 7. — Type locality: none given. — Type age: not stated. — Current status: *taxon inquirendum*.

*tenera*, *Sphenia* – Deshayes, 1857-DescrCoqFoss: 191-192, 11, pl. 11, figs 28-31. — Type locality: Étréchy & Jeurre. — Type age: Oligocene (Rupelian). — Current status: *Sphenia tenera* Deshayes, 1857 (Lozouet & Maestrati 2012a: 266-267, fig. 170: 5-8).

*terquemi*, *Sphenia* – Deshayes, 1857-DescrCoqFoss: 196, 11, pl. 11, figs 18-21. — Type locality: Rilly-la-Montagne. — Type age: Eocene (Ypresian). — Current status: *Sphenia terquemi* Deshayes, 1857 (Le Renard & Pacaud 1995: 68).

*truncata*, *Sphenia* – Deshayes, 1856-DescrCoqFoss: 10, pl. 10, figs 24-26; 1857-DescrCoqFoss: 193. — Type locality: Saint-Félix. — Type age: Eocene (Lutetian). — Current status: *Sphenia truncata* Deshayes, 1857 (Glibert & Van de Poel 1966a: 37; Le Renard & Pacaud 1995: 67; Pacaud 2008: 94).

*tugon*, *Mya* – Deshayes, 1832-EncyMeth: 592. — Type locality: Senegal. — Type age: Recent. — Current status: synonym of *Tugonia anatina* (Gmelin, 1791) [*Mya*] (Huber, 2015: chapter 5 on CD), the type species (SD J. E. Gray, 1847) of *Tugonia* J. E. Gray, 1842.



*myacina*, *Sphenia* – Cossmann & Peyrot (1909a: pl. 2, figs 66-68; 1909b: 164-165), *ex* Deshayes ms. A Miocene (Burdigalian) species from Dax and Léognan, with the name taken from a Deshayes label, rendered in Glibert & Van de Poel (1965b: 36) as “Deshayes in Cossmann & Peyrot”.

## Family CORBULIDAE Lamarck, 1818

*ampullacea*, *Corbula* – Deshayes, 1824-DescrCoqFoss: 54, 4, pl. 8, figs 8-11; 1857-DescrCoqFoss: 225. — Type locality: Houdan. — Type age: Eocene (Lutetian). — Current status: *Lentidium ampullaceum* (Deshayes, 1824) (Le Renard & Pacaud 1995: 68; Pacaud 2008: 94).

*antiqua*, *Corbulomya* – Deshayes, 1857-DescrCoqFoss: 209, 22, pl. 22, figs 5-7. — Type locality: Châlons-sur-Vesle & Abbecourt. — Type age: Paleocene (Thanetian). 1858: 552. — Current status: *Lentidium antiquum* (Deshayes, 1857) (Glibert & Van de Poel 1966a: 58, as *C. “antiquatum”*); Le Renard & Pacaud 1995: 68; Leroy *et al.* 2014: 28, pl. 13, figs 3-4).

*biangula*, *Corbula* – see next entry.

*biangulata*, *Corbula* – Deshayes, 1857-DescrCoqFoss: 231, 13, as “*biangula*”, pl. 13, figs 19-23. — Type locality: Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). 1858: 552. — Type species (SD Dall, 1898) of *Cuneocorbula* Cossmann, 1886. Species unnecessarily renamed as *Cuneocorbula pelseneeri* Glibert & Van de Poel (1966a: 55), based on supposed homonymy with a G. B. Sowerby I, 1833, species, but there is no such Sowerby taxon. — Current status: *Cuneocorbula biangulata* (Deshayes, 1857) (Neveeskaja *et al.* 2013: 385, fig. 140-3; Oliver *et al.* 2018: 1226).

*chevalieri*, *Corbulomya* – Deshayes, 1857-DescrCoqFoss: 206-207, 22, pl. 22, figs 8-11 [cited in text as pl. 23]; 1865-DescrCoqFoss: 665 [this correction noted]. — Type localities: Le Fayel & Caumont. — Type age: Eocene (Bartonian). — Current status: *Lentidium chevalieri* (Deshayes, 1857) (Glibert & Van de Poel 1966a: 58; Le Renard & Pacaud 1995: 68).

*deleta*, *Corbula* – Deshayes, 1857-DescrCoqFoss: 218-219, 14, pl. 14, figs 25-27, 30-31 [in text as figs 26-29]; 1865-DescrCoqFoss: 665 [this correction noted]. — Type locality: Neuilly-en-Vexin. — Type age: Oligocene (Rupelian). — Current status: synonym of *Corbula subpisum* d’Orbigny, 1852 (Pacaud *herein*).

*donacina*, *Corbula* – Deshayes, 1830b-EncyMeth: 9; 1844-RegAnim: pl. 107, figs 3, 3a-b, captioned *C. labiata*. — Type locality: Rio de Janeiro, Brazil. — Type age: Recent. — Current status: synonym of the South American *Erodona mactroides* Bosc, 1801 (Huber 2010a: chapter 5 on CD). The on-plate caption in 1844 was *Corbula labiata* (Maton, 1810) [*Mya*], another synonym, whereas the plate explanation said *Corbula donacina*.

*exarata*, *Corbula* – Deshayes, 1823-DictClass4: 474; 1824-DictClass5: pl. [78], fig. 4; 1831-DictClass17: 118. — Type locality: Saint-Félix. — Type age: Eocene (Lutetian). 1824-DescrCoqFoss: 48, 4, pl. 7, figs 4-7, pl. 8, fig. 4; 1830b-EncyMeth: 8; 1835-HistNatAnim2: 141-142; 1839-HistNatAnim3: 549. 1857-DescrCoqFoss: 213. 1857-DescrCoqFoss: 213. *Bicorbula exarata* (Deshayes, 1823) (Glibert & Van de Poel 1966a: 48). — Current status: synonym of *Bicorbula altavillensis* (Defrance, 1818) [*Corbula*] (Le Renard & Pacaud 1995: 68; Pacaud 2008: 94).

*gallicula*, *Corbula* – Deshayes, 1857-DescrCoqFoss: 214-215, 14, pl. 14, figs 1-6. — Type localities: Chaumont-en-Vexin, Aizy-Jouy, Hérouval, Cœuvres-et-Valsery, Cuisy-en-Almont, Lavarsine, Laon, Mons-en-Laonnois, Septvaux, Vauxbuin, Verneuil-en-Halatte, Martigny, Cuise-la-Motte & Mercin-et-Vaux. — Type age: Eocene (Ypresian-Lutetian). Sables d’Altre & de Laeken, Belgium. — Current status: *Bicorbula gallicula* (Deshayes, 1857) (Glibert & Van de Poel 1966a: 48; Le Renard & Pacaud 1995: 68; Jeffery & Tracey 1997: 81, 89, pl. 6, figs 11-12).

*lamarckii*, *Corbula* – Deshayes, 1857-DescrCoqFoss: 221. Unnecessary replacement name for *Corbula striata* Lamarck, 1801, *non Corbula striata* (Walker, 1784) [*Cardium*; but unavailable, non-binomial work]. — Current status: synonym of *Caryocorbula striata* (Lamarck, 1801) [*Corbula*] (Glibert & Van de Poel 1966a: 53, as “1806”; Le Renard & Pacaud 1995: 68).

*longirostra*, *Corbula* – Deshayes, 1824-DescrCoqFoss: 52, 4, pl. 7, figs 20-21; 1837-DescrCoqFoss: 810 [name corrected to *longirostris*]. — Type localities: “Noailles & Bracheux”. 1857-DescrCoqFoss: 228, who noted that species did not come from the localities listed, but instead. — Type localities: Bayeux & Longjumeau. — Type age: Oligocene (Rupelian). — Current status: *Corbula longirostris* Deshayes, 1824 (Gillet & Théobald 1936: 57-58, pl. 3, fig. 14, as “1837”). *Caestocorbula* (*Caestocorbula*) *longirostra* (Deshayes, 1824) (Marquet *et al.* 2012: 89, pl. 34, fig. 2).

*minima*, *Corbula* – Deshayes, 1857-DescrCoqFoss: 220, in synonymy with *C. minuta*. Deshayes contemplated naming this, but decided it was within the variability of the following species.

*minuta*, *Corbula* – Deshayes, 1824-DescrCoqFoss: 55-56, 4, pl. 8, figs 31-35; 1830b-EncyMeth: 11; HistNatAnim2: 142; 1839-HistNatAnim3: 511; 1857-DescrCoqFoss: 220. — Type localities: Senlis, Acy-en-Multien, Thiverval-Grignon, Parnes, Houdan, Pierrelaye, Beauchamp, Valmondois. — Type age: Eocene (Lutetian-Bartonian). *Lentidium minutum* (Deshayes, 1824) (Glibert & Van de Poel 1966a: 59). — Current status: *Varicorbula minuta* (Deshayes, 1824) (Le Renard & Pacaud 1995: 68; Pacaud 2008: 94).

*muricina*, *Corbula* – Deshayes, 1857-DescrCoqFoss: 219, 13, pl. 13, figs 14-18, *ex* Lévesque ms. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). *Corbula* (*Varicorbula*) *muricina* Deshayes, 1857 (Glibert & Van de Poel, 1966a: 47, as “Lévesque in Deshayes”). — Current status: *Varicorbula muricina* (Deshayes, 1857) (Le Renard & Pacaud 1995: 68).

*nitida*, *Corbula* – Deshayes, 1824-*DescrCoqFoss*: 57, 4, pl. 8, figs 39-41, *non* J. Sowerby, 1822. — Type localities: Ferme de l'Orme & Épernay. — Type age: Eocene (Lutetian). Renamed *Sphenia nitens* Bayan, 1873a (Bayan 1873a: 114). — Current status: *Sphenia nitens* Bayan, 1873 (Glibert & Van de Poel 1966a: 36; Le Renard & Pacaud 1995: 68).

*nystii*, *Corbulomya* – Deshayes, 1857-*DescrCoqFoss*: 205, 11 bis, pl. 11 bis, figs 12-15. — Type locality: Jeurre. — Type age: Oligocene (Rupelian). *Lentidium nystii* (Deshayes, 1857) (Glibert & Van de Poel 1966a: 59). — Current status: synonym of *Lentidium nitidum* (J. Sowerby, 1822) (Curry 1960: 274; Lozouet & Maestrati 2012a: 266, fig. 171.11-20).

*obliquata*, *Corbula* – Deshayes, 1857-*DescrCoqFoss*: 229, 12, pl. 12, figs 1-6. — Type localities: Abbecourt, Noailles, Bracheux & Cœuvres-et-Valsery. — Type age: Paleocene-Eocene (Thanetian-Ypresian). — Current status: *Caestocorbula obliquata* (Deshayes, 1857) (Glibert & Van de Poel 1966a: 56; Le Renard & Pacaud 1995: 68).

*oblonga*, *Corbula* – Deshayes, 1857-*DescrCoqFoss*: 224, 14, pl. 14, figs 15-19. — Type locality: Houdan. — Type age: Eocene (Lutetian). Synonym of *Corbula ampullacea* Deshayes, 1824 (Cossmann 1886a: 48). — Current status: *Lentidium ampullaceum* (Deshayes, 1824) (Le Renard & Pacaud 1995: 68; Pacaud 2008: 94).

*pixidicula*, *Corbula* – Deshayes, 1857-*DescrCoqFoss*: 223, 12, pl. 12, figs 18-23. — Type localities: Parnes, Monneville, Chéry-Chartreuve, Auvers-sur-Oise, Mary-sur-Marne, La Pallarea. — Type age: Eocene (Lutetian-Bartonian). *Nomen nudum* in d'Archiac (1850: 258). — Current status: *Caryocorbula pixidicula* (Deshayes, 1857) (Glibert & Van de Poel 1966a: 50; Le Renard & Pacaud 1995: 68; Pacaud 2008: 94).

*porcina*, *Corbula* – Deshayes, 1835-*HistNatAnim2*: 140, *non* Lamarck, 1818; 1839-*HistNatAnim3*: 548. Deshayes noted that this was not from Australia, as labeled, but rather. — Type locality: Rimini, Italy; Deshayes & Paris Museum colls. — Type age: Recent. It cannot be the same as *Corbula porcina* Lamarck, 1818, a synonym of the South American *Erodonta mactroides* Bosc, 1801, and it is thus a junior homonym of Lamarck's species. — Current status: synonym of what is now known as *Lentidium mediterraneum* (O. G. Costa, 1830) [*Tellina*] (E. Lamy 1941: 237), the latter figured in Cossignani & Ardovini (2011: 485).

*pullus*, *Corbulomya* – Deshayes, 1857-*DescrCoqFoss*: 207, 13, as *Corbula*, pl. 13, figs 24-27; 1865-*DescrCoqFoss*: 667 [on pl. 13, fig. 27 mislabeled as 31]. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Type material: MNHN.F.J03347, syn-type. — Current status: *Lentidium pullus* (Deshayes, 1857) (Glibert & Van de Poel 1966a: 60; Le Renard & Pacaud 1995: 68).

*semen*, *Corbulomya* – see next entry.

*seminulum*, *Corbulomya* – Deshayes, 1857-*DescrCoqFoss*: 208-209, 13, as *C. "semen"*, pl. 13, figs 32-35; 1865-*DescrCoqFoss*: 666 [error in pl expl. corrected]; 1865-*DescrCoqFoss*: 667 [fig. 35 mislabeled as a second fig. 31 (but below figs 33 & 34)]. — Type localities: Cuise-la-Motte, Hérouval & Sinceny. — Type age: Eocene (Ypresian). — Current status: *Lentidium seminum* (Deshayes, 1857) (Glibert & Van de Poel 1966a: 60; Le Renard & Pacaud 1995: 68; Pacaud 2008: 94).

*spectabilis*, *Corbula* – Deshayes, 1857-*DescrCoqFoss*: 221-222, 14, pl. 14, figs 12-14. Sinceny. — Type age: Eocene (Ypresian). — Current status: *Caestocorbula spectabilis* (Deshayes, 1857) (Glibert & Van de Poel 1966a: 57; Le Renard & Pacaud 1995: 68).

*striarella*, *Corbula* – Deshayes, 1824-*DescrCoqFoss*: 54, 4 [as *C. "striatella"*], pl. 8, figs 12-15; 1837-*DescrCoqFoss*: 810, er-

ror corrected; 1857-*DescrCoqFoss*: 223-224. — Type locality: Houdan. — Type age: Eocene (Lutetian). — Current status: synonym of *Caryocorbula striata* (Lamarck, 1801) [*Corbula*] (Glibert & Van de Poel 1966a: 53, as "1806").

*striatina*, *Corbula* – Deshayes, 1857-*DescrCoqFoss*: 222-223, 12, pl. 12, figs 12-17. — Type localities: Mercin-et-Vaux, Cuise-la-Motte, Laversine, Cuisy-en-Almont, Bantelu, Laon, Le Vivray. — Type age: Eocene (Ypresian-Lutetian). Synonym of *Caryocorbula striata* (Lamarck, 1801) [*Corbula*] (Glibert & Van de Poel 1966a: 53, as "1806"; Pacaud 2008: 94). — Current status: *Hexacorbula striatina* (Deshayes, 1857) (Le Renard & Pacaud 1995: 68).

*tumida*, *Corbula* – Deshayes, 1857-*DescrCoqFoss*: 224-225, 13, pl. 13, figs 9-13, *non* Röding, 1798, *nec* Anton, 1838. — Type locality: Les Groux. — Type age: Eocene (Lutetian). Synonym of *Corbula lamarcki* [sic] Deshayes, 1857 (Cossmann 1886a: 47). Synonym of *Caryocorbula striata* (Lamarck, 1801) [*Corbula*] (Glibert & Van de Poel 1966a: 53, as "1806"; Pacaud 2008: 94). — Current status: synonym of *Hexacorbula striatina* (Deshayes, 1857) (Le Renard & Pacaud 1995: 68).

*umbonella*, *Corbula* – Deshayes, 1824-*DescrCoqFoss*: 52, 4 [as *C. "ombonella"*], pl. 7, figs 18-19; 1837-*DescrCoqFoss*: 810 [error in pl. expl. corrected]; 1835-*HistNatAnim2*: 142; 1839-*HistNatAnim3*: 549; 1857-*DescrCoqFoss*: 227 [as = *C. ficus* (Solander, in Brander, 1766)]. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Current status: *Ficusocorbula ficus* (Solander, in Brander, 1766) [*Solen*], the type species (OD) of *Ficusocorbula* Korobkov, 1954.

*ventricosa*, *Corbula* – Deshayes, 1857-*DescrCoqFoss*: 215, 13, pl. 13, figs 6-8. — Type localities: Auvers-sur-Oise & Mary-sur-Marne, Mont-Saint-Martin. — Type age: Eocene (Bartonian). Synonym of *Corbula gallica* Lamarck, 1801 (Cossmann, 1886a: 45, note 1: the specimen in the Deshayes coll. is *C. rugosa*, the specimen in the Hébert coll. is juvenile *C. gallica*). — Current status: *Bicorbula gallica* (Lamarck, 1801) (Glibert & Van de Poel 1966a: 48 as "1806"; Le Renard & Pacaud 1995: 68).

*pyxidata*, *Corbula* – Bellardi, 1850: 680, *nomen nudum*; 1852: 235, pl. 16, figs 10-11, *ex* Deshayes ms. Not to be confused with *Corbula pixidicula* Deshayes, 1857. Synonym of *Corbula nicensis* Bellardi, 1852 (Boussac 1911: 237). Preoccupies *Corbula pyxidata* Tate, 1887.

*rosthorni*, *Corbula* – Sherborn (1930: 5554) listed this name, a *nomen nudum*, from a paper by Boué (1835: 47), and mistakenly credited it to Deshayes. It appears there with a footnote only acknowledging Deshayes' help, so this *nomen nudum* should instead be credited just to Boué.

## Family PHOLADIDAE Lamarck, 1809

*affinis*, *Pholas* – Deshayes, 1856-*DescrCoqFoss*: 6, pl. 6, figs 1-4; 1857-*DescrCoqFoss*: 136. — Type locality: Vauxbuin. — Type age: Eocene (Ypresian). — Current status: *Martesia (Aspidopholas) affinis* (Deshayes, 1856) (Le Renard & Pacaud 1995: 67).

*aperta*, *Pholas* – Deshayes, 1824a: 253, 258, pl. 15, fig. 7; 1824-*DescrCoqFoss*: 21-22, 2, pl. 2, figs 10-13; 1832-*EncyMeth*: 754-755; 1857-*DescrCoqFoss*: 139-140, as *Pholas (Martesia)*. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Current status: *Martesia (Martesia) aperta* (Deshayes, 1824) (Glibert & Van de Poel 1966a: 18; Le Renard & Pacaud 1995: 67; Pacaud 2008: 94).



*baudoni*, *Pholas* (*Martesia*) – Deshayes, 1857-*DescrCoqFoss*: 138-139, 19, pl. 19, figs 6-8. — Type locality: Coincourt. — Type age: Eocene (Lutetian). — Current status: *Martesia* (*Martesia*) *baudoni* (Deshayes, 1857) (Le Renard & Pacaud 1995: 67; Pacaud 2008: 94).

*concamerata*, *Pholas* – Deshayes, 1839d: 357; 1840: 2, pl. 17. — Type locality: California; Chiron; *Venus* voyage. — Type age: Recent. — Current status: synonym of *Penitella penita* (Conrad, 1837) [*Pholas*] (Coan et al. 2000: 505-506; Kantor & Sysoev 2005: 396).

*conoidea*, *Pholas* – Deshayes, 1824a: 252-253, 258, pl. 15, fig. 6; 1824-*DescrCoqFoss*: 22, 1, pl. 2, figs 1-5, 14-17; 1828-*DictClass*13: 396; 1832-*EncyMeth*: 755; 1857-*DescrCoqFoss*: 148-149, as *Pholas* (*Martesia*). — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Current status: *Martesia* (*Martesia*) *conoidea* (Deshayes, 1824) (Glibert & Van de Poel 1966a: 18; Le Renard & Pacaud 1995: 67).

*davidi*, *Pholas* – Deshayes, 1874b: 7-8, 12, pl. 1, fig. 2. — Type locality: “Takou” [Peiho River, Binhai, Tianjin, China]. — Type age: Recent. — Current status: *Barnea davidi* (Deshayes, 1874) (Qi 2004: 321, pl. 175, fig. B; Huber 2010a: 474).

*dutemplei*, *Pholas* – Deshayes, 1856-*DescrCoqFoss*: 10, pl. 10, figs 4-6; 1857-*DescrCoqFoss*: 141. — Type locality: Damery. — Type age: Eocene (Lutetian). — Current status: *Jouannetia* (*Pholadopsis*) *dutemplei* (Deshayes, 1856) (Le Renard & Pacaud 19967; Pacaud 2008: 94).

*elegans*, *Pholas* (*Martesia*) – Deshayes, 1856-*DescrCoqFoss*: 5, pl. 5, figs 11-15; 1857-*DescrCoqFoss*: 137-138. — Type locality: Caumont. — Type age: Eocene (Bartonian). — Current status: *Martesia* (*Martesia*) *elegans* (Deshayes, 1856) (Glibert & Van de Poel 1966a: 18; Le Renard & Pacaud 1995: 67).

*janellii*, *Pholas* – Deshayes, 1839d: 357; 1840: 4, pls. 14-16. — Type locality: California; Chiron; *Venus* voyage, Janelle collection. — Type age: Recent. — Current status: synonym of *Parapholas californica* (Conrad, 1837) [*Pholas*] (Coan et al. 2000: 500, 503).

*jouanneti*, *Pholas* – Deshayes, 1835-*HistNatAnim*2: 47-48; 1839-*HistNatAnim*3: 519. — Type locality: Méridien. — Type age: Miocene (Aquitainian). — Current status: synonym of *Jouannetia semicaudata* Desmoulins, 1828 (Cossmann & Peyrot 1909a: 141-143, pl. 2, figs 25-29).

*ligamentina*, *Pholas* – Deshayes, 1839-*TraitElem*-1(2): 80-81, 3, pl. 3, figs 11-12. — Type locality: Europe. — Type age: Recent. — Current status: synonym of *Barnea parva* (Pennant, 1777) [*Pholas*] (Huber 2010a: 473; 2015: chapter 5 on CD).

*proxima*, *Pholas* (*Martesia*) – Deshayes, 1856-*DescrCoqFoss*: 6, pl. 6, figs 7-9; 1857-*DescrCoqFoss*: 140. — Type locality: Sinceny. — Type age: Eocene (Ypresian). — Current status: *Martesia* (*Martesia*) *proxima* (Deshayes, 1856) (Glibert & Van de Poel 1966a: 18).

*scutata*, *Pholas* – Deshayes, 1824a: 252, 258, pl. 15, fig. 5; 1824-*DescrCoqFoss*: 22-23, 2, pl. 2, figs 6-9; 1832-*EncyMeth*: 755; 1856-*DescrCoqFoss*: 6, pl. 6, figs 5-6; 1857: 137. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Type species (M) of *Scutigera* Cossmann, 1886, *non* Lamarck, 1801 [Arachnida]; *Aspidopholas* P. Fischer, 1887, replacement name. — Current status: *Martesia* (*Aspidopholas*) *scutata* (Deshayes, 1824) (Glibert & Van de Poel 1966a: 19; Le Renard & Pacaud 1995: 67; Pacaud 2008: 94; Nevesskaja et al. 2013: 390, fig. 141-7).

*semistriata*, *Pholas* – Deshayes, 1824a: 253, 258, pl. 15, fig. 8; 1824-*DescrCoqFoss*: 22, as synonym of *Pholas conoidea* Deshayes, 1824. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Current status: *Martesia* (*Martesia*) *conoidea* (Deshayes, 1824) (Glibert & Van de Poel 1966a: 18; Le Renard & Pacaud 1995: 67).

*spathulata*, *Pholas* – Deshayes, 1843b: 1, pl. 79. — Type locality: Chile. — Type age: Recent. — Current status: synonym of the eastern Pacific *Barnea subtruncata* (G. B. Sowerby I, 1834) [*Pholas*] (Coan & Valentich-Scott 2012: 890-891).

*bakeri*, *Pholas* – S. P. Woodward, 1854: 328, 23, pl. 23, fig. 19, ex Deshayes ms. NHMUK unnumbered, lectotype. — Current status: synonym of the Asian *Barnea birmanica* (Philippi, 1849) [*Pholas*] (Tryon 1862: 194, 195, 207; Huber 2015: chapter 5 on CD).

*duchassaingi*, *Jouannetia* – P. Fischer, 1862: 375-376, pl. 15, fig. 3, ex Deshayes ms. — Current status: this Panamic species is still recognized under the same name (Coan & Valentich-Scott 2012: 902-903).

*edwardsi*, *Pholas* – Monterosato, 1878: 75, ex Deshayes ms. Based on a labeled specimen in the MNHN. — Current status: synonym of *Pholas dactylus* Linnaeus, 1758, as noted by Monterosato (Huber 2015: chapter 5 on CD).

*ligniperda*, *Pholas* – G. B. Sowerby II, 1872c: pl. 12, fig. 50, ex Deshayes ms. — Type locality: Port Essington, Australia. Petit (2009: 131). — Type age: Recent. — Type material: NHMUK 1845.8.25.460-463, lectotype & 3 paralectotypes. — Current status: synonym of *Martesia multistriata* (G. B. Sowerby II, 1849) (Huber 2015: chapter 5 on CD).

#### Family XYLOPHAGIDAE Purchon, 1941

*xilophaga*, *Pholas* – Deshayes, 1835-*HistNatAnim*2: 47; 1839-*HistNatAnim*3: 518-519, as *P. xilophaga*. — Type locality: none given. — Type age: Recent. — Current status: published in synonymy with *Xylophaga dorsalis* (W. Turton, 1822) [*Teredo*], the northeastern Atlantic type species (M) of *Xylophaga* W. Turton, 1822 (Turner 1955: 146-148, pl. 88; Sabelli et al. 1990: 337).

#### Family TEREDINIDAE Rafinesque, 1815

*affinis*, *Teredo* – Deshayes, 1863: 6-7, pl. 1, figs 8-12. — Type locality: La Réunion. — Type age: Recent. — Type material: CAS 12384, neotype (Moll 1941). — Current status: *Lyrodus affinis* (Deshayes, 1863) (Turner 1966: 86, pl. 6C-D, neotype).

*angusta*, *Teredo* – Deshayes, 1856-*DescrCoqFoss*: 2, pl. 2, fig. 28; 1857-*DescrCoqFoss*: 116. — Type localities: Chaussy, Mouchy-le-Châtel & Brasles. — Type age: Eocene (Lutetian). — Current status: *Teredo angusta* Deshayes, 1856 (Le Renard & Pacaud 1995: 67; Pacaud 2008: 94).

*brevis*, *Teredo* (*Xylotria*) – Deshayes, 1863: 6, pl. 1, figs 4-7. — Type locality: La Réunion. — Type age: Recent. UCBL-EM, holotype. (*Xylotria* is an error for *Xylotrya*/*Xylotrya* Blainville, 1828, ex Leach ms, now listed as a synonym of *Bankia*.) — Current status: *Bankia brevis* (Deshayes, 1863) (Turner 1966: 91-92, pl. 52C, holotype).

*burtini*, *Teredo* – Deshayes, 1839-*TraitElem*-1(2): 59, *nomen nudum*. See: *parisiensis*, *Teredo*.

*cincta*, *Teredo* – Deshayes, 1856-*DescrCoqFoss*: 3, pl. 3, figs 7-9; 1857-*DescrCoqFoss*: 115-116. — Type locality: Houdan. — Type age: Eocene (Lutetian). — Current status: *Teredo cincta* Deshayes, 1856 (Le Renard & Pacaud 1995: 67; Pacaud 2008: 94).

*heberti*, *Teredina* – Deshayes, 1856-DescrCoqFoss: 4, pl. 4, figs 12-14; 1857-DescrCoqFoss: 131. — Type locality: La Fère. — Type age: Paleocene (Thanetian). — Type material: MNHN.F.J03346, syntype. — Current status: *Martesia* (*Martesia*) *heberti* (Deshayes, 1856) (Le Renard & Pacaud 1995: 67).

*modica*, *Teredo* – Deshayes, 1857-DescrCoqFoss: 117. *Teredo modica* Deshayes, 1856 (Le Renard & Pacaud 1995: 67). See under *simplex*, *Teredo*, below.

*oweni*, *Teredina* – Deshayes, 1856-DescrCoqFoss: 5, pl. 5, figs 1-4; 1857-DescrCoqFoss: 130; 1858: 552. — Type locality: Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). — Current status: *Teredina oweni* Deshayes, 1856 (Glibert & Van de Poel 1966a: 21; Le Renard & Pacaud 1995: 67; Pacaud 2001: 42-44, figs 1a-b, 2a-b, 6).

*parisiensis*, *Teredo* – Deshayes, 1856-DescrCoqFoss: 3, pl. 3, figs 1-4; 1857: 115. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). This species was named earlier as *Teredo burtini* Nyst, 1845a (Nyst 1845a: 38-39), *ex* Deshayes ms. The latter was a *nomen nudum* in Deshayes, 1839-TraitElem-1(2): 59. Sherborn (1924: 939) credited this species as “Deshayes in Nyst”. A problematical Eocene species based on figures of tubes only (Turner 1966: 92). — Current status: *Teredo burtini* Nyst, 1845 (Le Renard & Pacaud 1995: 67). *Nausitora burtini* (Nyst, 1843) (Pacaud 2008: 95).

*serratus*, *Teredo* – Deshayes, 1857-DescrCoqFoss: 114, 115. — Type locality: none given. — Type age: not stated. — Current status: *nomen dubium* (Turner 1966: 121).

*simplex*, *Teredo* – Deshayes, 1856-DescrCoqFoss: 2, pl. 2, fig. 27 [in text as figs 2-7], *non* I. Lea, 1833; 1857-DescrCoqFoss: 117, as *Teredo modica*; 1865-DescrCoqFoss: 665 [error in fig. numbers noted]. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). Deshayes did not expressly say that he was proposing *Teredo modica* as a replacement name for his junior homonym, so this has to be taken as a new species based on the same figures. — Current status: *Teredo modica* Deshayes, 1856 (Le Renard & Pacaud 1995: 67; Leroy *et al.* 2014: 28, pl. 14, figs 1-4).

*tripartita*, *Pholas* – Deshayes, 1856-DescrCoqFoss: 5, pl. 5, figs 5-7; 1857-DescrCoqFoss: 142. — Type locality: Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). *Xylophaga tripartita* (Deshayes, 1856) (Glibert & Van de Poel 1966a: 21; Le Renard & Pacaud 1995: 67). — Current status: synonym of *Teredina oweni* Deshayes, 1856 (Pacaud 2001: 42).

*vermicularis*, *Teredo* – Deshayes, 1856-DescrCoqFoss: 3, pl. 3, figs 5-6; 1857-DescrCoqFoss: 117. — Type locality: Auvers-sur-Oise. — Type age: Eocene (Bartonian). — Current status: *Teredo vermicularis* Deshayes, 1856 (Le Renard & Pacaud 1995: 67).

*xylophagina*, *Pholas* – Deshayes, 1856-DescrCoqFoss: 5, pl. 5, figs 8-10; 1857: 142-143. — Type locality: Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). — Type species (M) of *Heteropholas* P. Fischer, 1887, which has been regarded as a synonym of *Teredina* Lamarck, 1818 (Pacaud 2001). — Current status: synonym of *Teredina oweni* Deshayes, 1856 (Pacaud 2001: 42; Nevesskaja *et al.* 2013: 390, fig. 141-9, as *P. xylophagina*).

*campanulata*, *Teredo* – G. B. Sowerby II, 1875: pl. 2., fig. 9a-c, *ex* Deshayes ms. *Nomen dubium* (Clench & Turner 1946: 27). This species name had earlier appeared in Jeffreys (1860: 127), also as *ex* Deshayes ms, as a *nomen nudum* in the synonymy of *Teredo stutchburyi* Blainville, 1828, *ex* Leach ms, which is now placed in the synonymy of *Bankia carinata* (J. E. Gray, 1827) [*Teredo*]. Both were based on a label with a now-missing lot in the NHMUK. — Current status: Turner (1966: 92-93) accepted *Bankia campanellata*

Moll & Roch, 1931, which was based in part on G. B. Sowerby II's figure, as a valid species.

*divaricata*, *Teredo* – P. Fischer, 1856: 137-138, pl. 7, figs 7-9, *ex* Deshayes ms. — Current status: synonym of *Teredo norvagica* Spengler, 1792 (Turner 1966: 98, pl. 33B).

#### Family HIATELLIDAE J. E. Gray, 1824

*Byssomia* – Deshayes, 1830b-EncyMeth: table facing p. 553, was listed by Sherborn (1924: 943), as a spelling error for *Byssomya* Oken, 1817, itself a misspelling of *Byssonia* Blainville, 1817, a synonym of *Hiatella* Bosc, 1801. However, the Deshayes use was only as a vernacular, not a latinized name.

*dubia*, *Corbula* – Deshayes, 1824-DescrCoqFoss: 59, 5, pl. 9, figs 13-14; 1857: 177, as a synonym of *Panopea intermedia* (J. de C. Sowerby, 1823) (*Mya*; *non* *M. intermedia* J. Sowerby, 1814). — Type locality: Rethuil. — Type age: Eocene (Ypresian). Preoccupies *Corbula dubia* Hutton, 1887, which is a synonym of *Maetra chrydæa* Sutter, 1911. — Current status: synonym of *Panopea intermedia* (J. Sowerby, 1814) (Le Renard & Pacaud 1995: 67).

*heberti*, *Panopaea* – Deshayes, 1856-DescrCoqFoss: 6, pl. 6, fig. 21; 8, pl. 8, fig. 12; 1857-DescrCoqFoss: 176-177, *ex* Bosquet ms. — Type localities: Jeurre & Morigny-Champigny. — Type age: Oligocene (Rupelian). Délémont, Brislach, Loevre & Miecout, Switzerland; Kleine-Spouwen & Vieux-Jonc; Belgium; Kassel, Freden & Weinheim, Germany. This species was a *nomen nudum* in Lyell (1852: 307, 312), as “*Panopaea hebertiana* Bosquet”. — Current status: synonym of *Panopea* (*Panopea*) *angusta* Nyst, 1836 (Glibert & Van de Poel 1965b: 28, 33; R. Janssen 1979: 141-142; Lozouet & Maestrati 2012a: 266, fig. 171: 21-22).

*jeuensis*, *Saxicava* – Deshayes, 1856-DescrCoqFoss: 10, pl. 10, figs 18-20; 1857-DescrCoqFoss: 170-171. — Type locality: Jeurre. — Type age: Oligocene (Rupelian). — Current status: *Hiatella jeuensis* (Deshayes, 1856) (Glibert & Van de Poel 1966a: 26; Lozouet & Maestrati 2012a: 266, 268, fig. 171: 23-26, as “1857”; Lozouet *et al.* 2012: fig. 286, 23-24).

*menardii*, *Panopaea* – Deshayes, 1828-DictClass13: 22; 1850-TraitElem-1(2): 137 [as *P. “meynardi”*], 139-140, 5, pl. 7, figs 2-3, as *P. “menardi”*. — Type locality: “Bordeaux” [actually Salles]. — Type age: Miocene (Serravallian). — Type material: MNHN.F.A91002, 5 syntypes – Current status: *Panopea menardii* Deshayes, 1828 (Glibert & Van de Poel 1966a: 31-33, as *P. “menardi”*; Bosch & Wesselingh 2006: 111; Vrsaljko *et al.* 2006: 54).

*meynardi*, *Panopaea* – see entry above.

*minor*, *Panopaea* – Deshayes, 1856-DescrCoqFoss: 8, pl. 8, figs 7-9; 1857-DescrCoqFoss: 182. — Type locality: Cuisy-en-Almont. — Type age: Eocene (Ypresian). — Current status: synonym of *Panopea wateleti* (Deshayes, 1856) (Cossmann 1896: 7; Le Renard & Pacaud 1995: 67).

*rubra*, *Saxicava* – Deshayes, 1845-Algér: pl. 66, figs 18-19. — Type locality: Algeria. — Type age: Recent. — Current status: synonym of *Hiatella arctica* (Linnaeus, 1767) [*Mya*] (Sabelli *et al.* 1990: 334).

*similis*, *Saxicava* – Deshayes, 1863: 9, pl. 1, figs 13-15. — Type locality: La Réunion. — Type age: Recent. — Current status: synonym of *Hiatella arctica* (Linnaeus, 1767) [*Mya*] (Huber 2010a: 670).

*triasina*, *Panopea* – Deshayes, 1858-TraitElem: 370. Deshayes used the format for proposing a substitute name for *Arca “triasiana”* [sic, *triasina*] d'Orbigny, 1850, *non* *Arca “triasiana* Roemer, 1849” [sic,



*triasina* F. A. Roemer, 1851]. He used the same incorrect spelling for each of the two earlier names, and he misdated Roemer's species earlier by two years. In any event, he seems to have indicated only that d'Orbigny's species is really a *Panopea* and that of Roemer is a *Cucullaea*, so no new Deshayes name or taxon is involved.

*vaudini*, *Panopaea* – Deshayes, 1857-*DescrCoqFoss*: 180, 19, pl. 19, figs 1-3. — Type locality: Laon. — Type age: Eocene (Ypresian). — Current status: *Panopea vaudini* Deshayes, 1857 (Le Renard & Pacaud 1995: 67).

*vera*, *Saxicava* – Deshayes, 1856-*DescrCoqFoss*: 10, pl. 10, figs 15-17; 1857-*DescrCoqFoss*: 170. — Type locality: Saint-Félix. — Type age: Eocene (Lutetian). — Current status: *Hiatella vera* (Deshayes, 1856) (Le Renard & Pacaud 1995: 67; Pacaud 2008: 88).

*wateleti*, *Panopaea* – Deshayes, 1856-*DescrCoqFoss*: 8, pl. 8, figs 1-2; 1857-*DescrCoqFoss*: 179-180. — Type locality: Aizy-Jouy. — Type age: Eocene (Ypresian). — Type material: MNHN.F.A27177, syntype. — Current status: *Panopea wateleti* Deshayes, 1856 (Le Renard & Pacaud 1995: 67).

*acutisulcata*, *Pholadomya* – Leymerie, 1841: 319, 336, *nomen nudum*; 1842: 3, 24, pl. 3, fig. 2a-b, *ex* Deshayes ms, *non* J. de C. Sowerby, 1827. — Type localities: Ervy-le-Châtel & Amance. — Type age: Cretaceous (Albian). Synonym of *Lutraria gurgilis* Brongniart, 1822 (Pictet & Roux, 1852: 81-83). — Current status: *Panopea acutisulcata* (Leymerie, 1842) (Bogdanova & Mikhailova 2016: 741; Arkadiev 2020: 83-84, 240, pl. 69, fig. 1, both as “Deshayes”).

*petitii*, *Saxicava* – G. B. Sowerby II, 1875: pl. 1, fig. 2, *ex* Deshayes ms. — Type locality: none given. — Type age: Recent. — Type material: NHMUK unnumbered, 3 syntypes. Petit (2009: 151). — Current status: synonym of the widely reported *Hiatella arctica* (Linnaeus, 1767) [*Mya*] (Huber 2015: chapter 5 on CD).

*prevosti*, *Pholadomya* – Leymerie, 1841: 336, *nomen nudum*; 1842: 3, 24, pl. 2, fig. 7a-b, *ex* Deshayes ms. — Type localities: Chaource & Jully-sur-Sarce & Briel. — Type age: Cretaceous (Hauterivian). Synonym of *Panopaea plicata* J. de C. Sowerby, 1823 [*Mya*] (Pictet & Roux 1852: 57-59). — Current status: *Panopaea prevosti* (Leymerie, 1842) (Arkadiev 2020: 90, 238, pl. 68, figs 2-4, as “Deshayes”).

*remensis*, *Panopaea* – Deshayes, 1857-*DescrCoqFoss*: 181, 6, pl. 6, figs 19-20. 1858: 552. Made available by Melleville (1843: 78-79 [32-33, 81], pl. 1, fig. 5). — Type locality: Châlons-sur-Vesle. — Type age: Paleocene (Thanetian). — Current status: *Panopea remensis* Melleville, 1843 (Le Renard & Pacaud 1995: 67).

*sulcata*, *Saxicava* – G. B. Sowerby II, 1875: pl. 1, fig. 4, *ex* Deshayes ms. — Type locality: Clyde. — Type age: Recent. Petit (2009: 174). — Current status: synonym of *Hiatella arctica* (Linnaeus, 1767) [*Mya*] (Huber 2015: chapter 5 on CD).

#### Family SOLENIDAE Lamarck, 1809

*angustus*, *Solen* – Deshayes, 1856-*DescrCoqFoss*: 7, pl. 7, figs 4-6; 1857-*DescrCoqFoss*: 151. — Type locality: Aizy-Jouy. — Type age: Eocene (Ypresian). — Current status: *Solena (Plectosolen) angusta* (Deshayes, 1856) (Le Renard & Pacaud 1995: 67).

*burdigalensis*, *Solen* – Deshayes, 1839-TraitElem-1(2): 104-105. — Type locality: Saucats. — Type age: Miocene (Burdigalian). — Type material: UCBL-EM35376, EM35377, syntypes. New species based on *Solen vagina* Linnaeus, 1758, *sensu* Basterot (1825: 96), *non* Lin-

naeus, 1758. — Current status: *Solen burdigalensis* Deshayes, 1839 (Lesport *et al.* 2019: 25-26, pl. 10, figs 5-9, text-fig. 22).

*proximus*, *Solen* – Deshayes, 1856-*DescrCoqFoss*: 7, pl. 7, figs 7-9; 1857-*DescrCoqFoss*: 150. — Type localities: Chaumont-en-Vexin, Gomerfontaine, Brasles, Parnes, Damery, Valmondois, Auvers-sur-Oise, Mary-sur-Marne, Le Fayel, Arthon-en-Retz. — Type age: Eocene (Lutetian-Bartonian). — Current status: *Solena (Plectosolen) proxima* (Deshayes, 1856) (Le Renard & Pacaud 1995: 67; Pacaud 2008: 93).

*vaginalis*, *Solen* – Deshayes, 1839-TraitElem-1(2): 108-109, 4, pl. 6, fig. 7; 1857-*DescrCoqFoss*: 152-153. — Type localities: Near Paris, near Valogne, Barton-on-Sea (England). — Type age: Eocene (Lutetian-Bartonian). — Current status: *Solena (Plectosolen) vaginalis* (Deshayes, 1839) (Le Renard & Pacaud 1995: 67; Pacaud 2007: 29, fig. 3C, 62; Pacaud 2008: 93, all as “1843”).

*candidus*, *Solecurtus* – Glibert & Van de Poel (1967: 128) noted that *Solen candidus* was not available from Renier, 1804, as a “*nomen nudum*” (actually an unavailable work by ICZN Opinion 316, 1954e) and proposed to credit the species to “Renier in Deshayes, 1839”). However, it had already been made available as *Solen candidus* Brocchi, 1814.

*siliquarius*, *Solen* – Dujardin, 1837: 255, *ex* Deshayes ms. *Nomen nudum*.

#### Family PHARIDAE H. Adams & A. Adams, 1856

*Orbicularia* – Deshayes, 1850-TraitElem: 414. — Type species (M): *Solen orbiculatus* W. Wood, 1828. — Current status: valid genus and senior synonym of *Elizia* J. E. Gray, 1854, which has the same type species.

*angusta*, *Siliqua* – Deshayes, 1856-*DescrCoqFoss*: 6, pl. 6, figs 16-18; 1857-*DescrCoqFoss*: 164. — Type localities: Auvers-sur-Oise & Le Fayel. — Type age: Eocene (Bartonian). — Current status: *Siliqua angusta* Deshayes, 1856 (Glibert & Van de Poel 1970: 4; Le Renard & Pacaud 1995: 67).

*brongniarti*, *Cultellus* – Deshayes, 1866b: 336, pl. 7, fig. 1; 1866b: 330, 333, as *C. “prevosti”*. — Type locality: La Hutte-au-Garde à Montmartre (Paris). — Type age: Eocene (Bartonian). — Current status: *Cultellus brongniarti* Deshayes, 1866 (Le Renard & Pacaud 1995: 67).

*grignonensis*, *Cultellus* – Deshayes, 1856-*DescrCoqFoss*: 7, pl. 7, figs 13-15; 1857-*DescrCoqFoss*: 157. Thiverval-Grignon, Damery. — Type age: Eocene (Lutetian). — Current status: *Cultellus grignonensis* Deshayes, 1856 (Glibert & Van de Poel 1970: 5-6; Le Renard & Pacaud 1995: 67; Pacaud 2008: 93).

*lamarckii*, *Siliqua* – Deshayes, 1856-*DescrCoqFoss*: 6, pl. 6, figs 13-15; 1857-*DescrCoqFoss*: 163. — Type locality: Cuise-la-Motte. — Type age: Eocene (Ypresian). — Current status: *Siliqua lamarckii* Deshayes, 1856 (Glibert & Van de Poel 1970: 4; Le Renard & Pacaud 1995: 67).

*nystii*, *Siliqua* – Deshayes, 1857-*DescrCoqFoss*: 164-165, 19, pl. 19, figs 9-11. — Type localities: Jeurre & Morigny-Champigny. — Type age: Oligocene (Rupelian); Belgium. — Current status: *Siliqua nystii* Deshayes, 1857 (R. Janssen, 1979: 108; Lozouet & Maestrati 2012a: 266, 269, fig. 172: 15-18).

*orbicularis*, *Psammobia* – Deshayes, 1839e: 1-2, pl. 7. Error for *Solen orbiculatus* W. Wood, 1828, now *Orbicularia orbiculata* (W. Wood, 1828).

*papyraceus*, *Solen* – Deshayes, 1824-*DescrCoqFoss*: 26-27, 2, pl. 2, figs 18-19. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). 1832-*EncyMeth*: 963. — Current status: *Siliqua papyracea* (Deshayes, 1824) (Le Renard & Pacaud 1995: 67; Pacaud 2008: 93).

*prevosti*, *Cultellus* – see above under: *brongniarti*, *Cultellus*.

#### Family GASTROCHAENIDAE J. E. Gray, 1840

*Choena* – Deshayes, 1830a-*TraitMeth*: 236. Incorrect subsequent spelling of *Chaena* Philipsson, 1788.

*agglutinans*, *Chaena* – Deshayes, 1855c: 330. — Type locality: “Zebu” [Cebu] Island, Philippine Islands; Cuming coll. — Type age: Recent. *Eufistulana agglutinans* (Deshayes, 1855) (Huber 2010a: 279). — Current status: shell and tube morphometrics would be needed to know if this is distinct from *Eufistulana mumia* (Spengler, 1783) (J. G. Carter, pers. comm., August 2020).

*angusta*, *Fistulana* – Deshayes, 1824a: 251, 258, pl. 15, fig. 3. 1824-*DescrCoqFoss*: 16, 1, pl. 1, figs 11-15; 1824-*DictClass6*: 523; 1830b-*EncyMeth*: 143; 1856-*DescrCoqFoss*: 2, pl. 2, fig. 11. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Current status: *Carterochaena angusta* (Deshayes, 1824) (J. G. Carter, pers. comm., August 2020).

*apertissima*, *Gastrochaena* – Deshayes, 1855c: 326. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1978086, holotype. — Type species (OD) of *Spenglerichaena* Carter, 2011. — Current status: *Spenglerichaena apertissima* (Deshayes, 1855) (Huber 2010a: 279, as *Spengleria*; Carter, in Carter *et al.* 2011: 23-24, fig. 2, holotype).

*coarctata*, *Gastrochaena* – Deshayes, 1856-*DescrCoqFoss*: 2, pl. 2, figs 12-14; 1857-*DescrCoqFoss*: 100. — Type locality: Damery. — Type age: Eocene (Lutetian). *Gastrochaena coarctata* Deshayes, 1856 (Glibert & Van de Poel 1966a: 22). — Current status: *Gastrochaena Rocellaria coarctata* Deshayes, 1856 (Le Renard & Pacaud 1995: 67; Pacaud 2008: 89). Either *Rocellaria* or *Dufoichaena* (J. G. Carter, pers. comm., August 2020).

*contorta*, *Fistulana* – Deshayes, 1824a: 251-252, 258, pl. 15, fig. 4; 1824-*DescrCoqFoss*: 16-17, 1, pl. 1, figs 24-25, 27. 1824-*DictClass6*: 523; 1830b-*EncyMeth*: 143. — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Current status: synonym of *Rocellaria ampullaria* (Lamarck, 1806) (Cossmann 1886a: 22; Le Renard & Pacaud 1995: 67).

*cutellata*, *Gastrochaena* – Deshayes, 1855c: 329. — Type locality: West Indies; Cuming coll. — Type age: Recent. — Type material: NHMUK 1978100, 4 syntypes. — Current status: synonym of *Lamychaena hians* (Gmelin, 1791) [*Pholas*] (Huber 2010a: 672).

*defrancii*, *Gastrochaena* – Deshayes, 1856-*DescrCoqFoss*: 2, pl. 2, figs 15-18; 1857-*DescrCoqFoss*: 102. — Type localities: Brasles, Les Groux, Léveumont. — Type age: Eocene (Lutetian). *Gastrochaena defrancii* Deshayes, 1856 (Glibert & Van de Poel 1966a: 22). — Current status: *Gastrochaena (Rocellaria) defrancii* Deshayes, 1856 (Le Renard & Pacaud 1995: 67; Pacaud 2008: 89; J. G. Carter, pers. comm., August 2020).

*denticulata*, *Gastrochaena* – Deshayes, 1855c: 327-328. — Type locality: Colombia; Cuming coll. — Type age: Recent. — Type material: NHMUK 1978092, holotype. — Current status: the tropical eastern Pacific *Gastrochaena denticulata* Deshayes, 1855 (Huber 2010a: 671; Coan & Valentich-Scott 2012: 948).

*difficilis*, *Gastrochaena* – Deshayes, 1855c: 328. — Type locality: “Western India” [Saint Thomas, Virgin Islands]; Cuming coll. — Type age: Recent. — Type material: NHMUK 1978093, 3 syntypes. — Current status: *Gastrochaena difficilis* Deshayes, 1855 (Carter *et al.* 2008: 107, 110, figs 3.6, 6.6-9, the latter syntypes from MNHN [uncatalogued]; Huber 2010a: 671).

*elongata*, *Fistulana* – Deshayes, 1824-*DescrCoqFoss*: 15, 2, pl. 4, figs 17-19; 1824-*DictClass6*: 523; 1830b-*EncyMeth*: 141. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Type material: MNHN.F.A26030, holotype. — Current status: *Eufistulana elongata* (Deshayes, 1824) (Glibert & Van de Poel 1966a: 23; Glibert, 1980: 43; Le Renard & Pacaud 1995: 67; Pacaud 2008: 89).

*folini*, *Gastrochaena* – Deshayes in Folin, 1867: 49-50 [11], pl. 1, figs 6-11. — Type locality: Pearl Islands, Panama. — Type age: Recent. — Type material: MNHN-IM-2000-38633, 4 syntypes (according to J. Carter, lot also includes *Lamychaena truncata*, largest specimen; NHMUK unnumbered, 2 syntypes, MacAndrew coll. are *L. truncata*). — Current status: synonym of *Lamychaena truncata* (G. B. Sowerby I, 1834) [*Gastrochaena*] (Coan & Valentich-Scott 2012: 950).

*gigantea*, *Fistulana* – Deshayes, 1830b-*EncyMeth*: 142; 1839-*TraitElem*-1(2): 29, 32, 35-36, 2, pl. 2, figs 6-8, as *Gastrochaena*. — Type locality: “Indies”. — Type age: Recent. — Type material: NHMUK 1978079, syntypes. *Gastrochaena gigantea* (Deshayes, 1830) (Oliver 1992: 199, pl. 45; Poppe 2011: 178, pl. 1084, fig. 5). — Current status: more likely synonym of *Gastrochaena cuneiformis* Spengler, 1783 (Carter *et al.* 2008: 106; Huber 2010a: 278, 671; Lutaenko *et al.* 2021: 239).

*gigas*, *Gastrochaena* – Deshayes, 1840-*RegAnim*: pl. 116, fig. 3, 3a-b. — Type locality: none given. — Type age: Recent. Perhaps intended to be *Gastrochaena gigantea* Deshayes, 1830, made available in the *Encyclopédie Méthodique*, but he remembered the name incorrectly; the figures are very similar. — Current status: synonym of *Gastrochaena cuneiformis* Spengler, 1783 (J. G. Carter, pers. comm., August 2020).

*grandis*, *Chaena* – Deshayes, 1855c: 330. — Type locality: “Zebu” [Cebu] Island, Philippine Islands; Cuming coll. — Type age: Recent. — Current status: *Eufistulana grandis* (Deshayes, 1855) (Qi 2004: 319-320, pl. 174, fig. B; Huber 2010a: 279, 671, 673; Poppe 2011: 178, pl. 1084, fig. 1; Okutani 2017: 1231, pl. 526, fig. 7). Population-level shell morphometrics would be needed to distinguish this from *Eufistulana mumia* (Spengler, 1783) (J. G. Carter, pers. comm., August 2020).

*humilis*, *Gastrochaena* – Deshayes, 1855c: 327. — Type locality: “Zebu” [Cebu] Island, Philippine Islands; Cuming coll. & West Indies. — Type age: Recent. — Type material: NHMUK 1978089, syntype from Philippine Islands; NHMUK 1840.10.8.41, syntype from St. Vincent, Caribbean. *Gastrochaena humilis* Deshayes, 1855 (Huber 2010a: 671-672). — Current status: synonym of *Gastrochaena difficilis* Deshayes, 1855 (J. G. Carter, pers. comm., August 2020).

*impresa*, *Gastrochaena* – Deshayes, 1855c: 327. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 1978091, 1 syntype pair & 1 valve. — Current status: possible synonym of the Philippines Islands *Spenglerichaena apertissima* (Deshayes, 1855) [*Gastrochaena*], but population-level shell morphometric and anatomical analysis needed (J. G. Carter, pers. comm., August 2020).

*indistincta*, *Gastrochaena* – Deshayes, 1855c: 328. — Type locality: Singapore; Cuming coll. — Type age: Recent. — Type material: NHMUK 1978096, 2 syntype pairs & one valve. *Gastrochaena*, but *taxon inquirendum* (J. G. Carter, pers. comm., August 2020). — Current status: synonym of *Gastrochaena cuneiformis* Spengler, 1783 (Lutaenko *et al.* 2021: 239).



*interrupta*, *Gastrochaena* – Deshayes, 1855c: 329. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1978098, 2 syntypes. — Type species (M) of *Dufoichaena* Jousseau, in E. Lamy, 1925. — Current status: not synonym of *Dufoichaena dentifera* (Dufo, 1840) [*Gastrochaena*], which has much shorter, less cylindrical siphons and longer intersiphonal pallial septum (J. G. Carter, pers. comm., August 2020), thus *Dufoichaena interrupta* (Deshayes, 1855).

*intersecta*, *Gastrochaena* – Deshayes, 1855c: 327. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 1978090, 3 syntypes. *Nomen dubium* (Huber, 2010a: 672). — Current status: the syntype illustrated by G. B. Sowerby, II, 1878, is a *Lamychaena*; the non-figured types are *Gastrochaena*, but lack of locality data prohibits meaningful comparisons with other type specimens of *Lamychaena* (J. G. Carter, pers. comm., August 2020).

*laevigata*, *Gastrochaena* – Deshayes, 1855c: 326-327. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 1978088, 2 syntypes. — Current status: *nomen dubium* (Huber, 2010a: 672); juvenile *Lamychaena* or *Dufoichaena* (J. G. Carter, pers. comm., August 2020).

*lamellosa*, *Gastrochaena* – Deshayes, 1855c: 328. — Type locality: “Zebu” [Cebu] Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1978094, 3 syntypes & 1 broken valve. — Current status: synonym of *Gastrochaena cuneiformis* Spengler, 1783 (Huber 2015: chapter 5 on CD; Lutaenko et al. 2021: 239).

*macroschisma*, *Gastrochaena* – Deshayes, 1855c: 326. — Type locality: none given; Cuming coll. — Type age: Recent. — Type material: NHMUK 1978087, 3 syntypes. — Current status: the Indo-Pacific *Gastrochaena macroschisma* Deshayes, 1855 (Carter et al. 2008: 105, 107, 110, figs 2.4, 6, 3.4; Poppe 2011: 178, pl. 1084, fig. 3).

*philippinensis*, *Gastrochaena* – Deshayes, 1855c: 328. — Type locality: “Zebu” [Cebu] Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1978095, 3 syntypes. — Current status: *Gastrochaena philippinensis* Deshayes, 1855 (Huber 2010a: 278).

*plicatilis*, *Gastrochaena* – Deshayes, 1855c: 329. — Type locality: “Zebu” [Cebu] Island, Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1978101, 3 syntypes. — Current status: synonym of *Spengleria mytiloides* (Lamarck, 1818) [*Gastrochaena*], or *Spengleria plicatilis* (Deshayes, 1855) (Poppe, 2011: 178, pl. 1084, figs 7-8). Poppe (2018: 104) concluded that this was a junior synonym of *Spengleria mytiloides* (Lamarck, 1818). Population-level shell morphometrics and genetic analyses needed to characterize intra- and interspecific variation in shell sculpture in the two nominal species (J. G. Carter, pers. comm., August 2020).

*provigny*, *Fistulana* – Deshayes, 1824a: 251, 257, pl. 15, fig. 2; 1824-DescrCoqFoss: 17, 1, as *F. provignyi*, pl. 1, figs 16, 19, 22; 1824-DictClass6: 523, as *F. provigny*; 1830b-EncyMeth: 141-142. — Type locality: Valmondois. — Type age: Eocene (Bartonian). *Gastrochaena provignyi* (Deshayes, 1824) (Glibert & Van de Poel 1966a: 23). — Current status: *Gastrochaena (Rocellaria) provignyi* (Deshayes, 1824) (Glibert 1980: 43-44; Le Renard & Pacaud 1995: 67; Pacaud 2008: 89; Carter et al. 2008: 110, 112, fig. 8.1-5).

*pupina*, *Gastrochaena* – Deshayes, 1855c: 326. — Type locality: Moreton Bay, Queensland, Australia; Cuming coll. — Type age: Recent. — Type material: NHMUK 1978085, 2 syntypes. — Current status: synonym of *Cucurbitula cymbium* (Spengler, 1783) (Taki & Habe 1955: 3-4; Huber 2010a: 279; Lutaenko et al. 2021: 240).

*rauliniiana*, *Gastrochaena* – Deshayes, 1856-DescrCoqFoss: 2, pl. 2, figs 22-24; 1857: 100-101. — Type localities: Jeurre & Étréchy. — Type age: Oligocene (Rupelian). *Gastrochaena “raulini”* Deshayes, 1856 (unjustified emendation by Cossmann & Peyot 1909a: 81). — Current status: *Gastrochaena rauliniiana* Deshayes, 1856 (Lozouet & Maestrati 2012a: 266, 268, fig. 171: 27-30). Possibly a *Rocellaria* (J. G. Carter, pers. comm., August 2020).

*retzii*, *Gastrochaena* – Deshayes, 1863: 7-9, pl. 1, figs 1-3. — Type locality: La Réunion. — Type age: Recent. Synonym of *Spengleria mytiloides* (Lamarck, 1818) [*Gastrochaena*] (Taki & Habe 1955: 5). — Current status: synonym of *Spengleria plicatilis* (Deshayes, 1855) [*Gastrochaena*] (Nielsen 1986).

*ruppellii*, *Gastrochaena* – Deshayes, 1855c: 328-329. — Type locality: Red Sea, Ruppell; Cuming coll. — Type age: Recent. — Type material: NHMUK 1978097, holotype. — Current status: synonym of *Gastrochaena cuneiformis* Spengler, 1783 (Carter et al. 2008: 110), or *Rocellaria ruppellii* (Deshayes, 1855) (Huber 2010a: 278, 672), perhaps unaware of Carter’s analysis. Shell atypical of *G. cuneiformis* in terms of some (but not all) posterior commarginal ribs more rounded, less distinct, and shell higher near umbo, but probably intraspecific variation (J. G. Carter, pers. comm., August 2020).

*spathulata*, *Gastrochaena* – Deshayes, 1855c: 329. Bohol. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: NHMUK 1978099, holotype. — Current status: *Gastrochaena spathulata* Deshayes, 1855 (Huber 2010a: 671).

*spengleri*, *Gastrochaena* – Deshayes, 1857-DescrCoqFoss: 105-106, 17, pl. 17, figs 1-5 [fig. 5 not listed in text], not preoccupied by Blainville, 1824, *nomen nudum*. — Type locality: Valmondois. — Type age: Eocene (Bartonian). *Spengleria spengleri* (Deshayes, 1857) (Glibert & Van de Poel 1966a: 23). — Current status: *Gastrochaena (Spengleria) spengleri* Deshayes, 1857 (Le Renard & Pacaud 1995: 67).

*tenera*, *Gastrochaena* – Deshayes, 1855c: 327. — Type locality: Philippine Islands; Cuming coll. — Type age: Recent. — Type material: not found. — Current status: *nomen dubium* (Huber, 2010a: 672), or *Gastrochaena tenera* Deshayes, 1855 (Poppe 2011: 178, pl. 1084, fig. 2).

●  
*dilatata*, *Gastrochaena* – Leymerie, 1841: 341, *nomen nudum*; 1842: 2-3, 24, pl. 3, fig. 1a-c, ex Deshayes ms. — Type localities: Chennai, Venduvre & Fouchères. — Type age: Cretaceous (Hauterivian). — Current status: possibly *Stenochaena* (J. G. Carter, pers. comm., August 2020).

#### Family CERATOMYIDAE Arkell, 1934

●  
*elegans*, *Isocardia* – Deshayes, 1839-TraitElem: 15, pl. 24, figs 3-5; 1850: 162, 163-164, as *Ceromya*. — Type locality: Near Alençon. — Type age: Jurassic. — Current status: *Ceratomya elegans* (Deshayes, 1839).

●  
*Ceromya* Agassiz, 1842, was *non* Robineau-Desvoidy, 1830 [Diptera]. *Ceratomya* Sandberger, 1864, originally an incorrect subsequent spelling, has been treated as an emendation and substitute name (ICZN Opinion 742, 1965).

*gregaria*, *Ceromya* – Deshayes, 1857-TraitElem: *iv* [third p. with this number], pl. 12 bis, figs 3-5. This has been listed in some works as a Deshayes species, but the name originated as *Lutrarina gregaria* Zieten, 1833.

*lactor*, *Ceromya* – Deshayes, 1850-TraitElem: 162, 163-164. Listed in some works as by Deshayes, this species originated as *Grasshyla lactor* Agassiz, 1843.

#### Family CLAVAGELLIDAE d'Orbigny, 1844

*Buccodus* – Deshayes, 1839-TraitElem-1(2): 17, *ex* Guettard ms. Incorrect subsequent spelling of *Bunodus* Guettard, 1770; in the synonymy of *Clavagella*.

*bacillaris*, *Clavagella* – Deshayes, 1830a-EncyMeth: 239-240; 1833b: 231; 1835b: 84; 1835-HistNatAnim2: 24; 1839-HistNatAnim3: 511; 1839-TraitElem-1(2): 23, 24-25, *I*, pl. 1, figs 4-10; 1840-RegAnim: pl. 119, fig. 3, 3a-e; 1843d: 5, pl. 3, figs 8, 8a-f; 1845-Algér: 16-17. — Type locality: Sicily (Italy). — Type age: Pliocene. — Current status: *Stirpulina bacillum* [Brocchi, 1814 (*Teredo*)] *bacillaris* (Deshayes, 1830) (Stallwood 1995: 87, 88; Coan & Kabat 2017: 108). *Clavagella bacillaris* (Deshayes, 1830) (Zenetos *et al.* 2005: 5, as “1832”).

*brongniarti*, *Clavagella* – Deshayes, 1824a: 250, 257, pl. 15, fig. 1; 1824-DescrCoqFoss: 11, *I*, pl. 1, figs 1-5; 1830a-EncyMeth: 240; 1828-DictClass4: 195; 1843d: 4-5, pl. 2, fig. 1; 1857-DescrCoqFoss: 93 (with additional synonyms). — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Current status: *Clavagella (Clavagella) brongniarti* Deshayes, 1824 (Glibert & Van de Poel 1966a: 11; Le Renard & Pacaud 1995: 67).

*caillati*, *Clavagella* – Deshayes, 1856-DescrCoqFoss: *I*, pl. 1, figs 1-4; 1857-DescrCoqFoss: 88. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). *Clavagella (Stirpulina) caillati* Deshayes, 1856 (Glibert & Van de Poel 1966a: 12; Le Renard & Pacaud 1995: 67). *Stirpulina caillati* (Deshayes, 1856) (Stallwood 1995: 87, 88, as “1866”). — Current status: *Clavagella (Clavagella) caillati* Deshayes, 1856 (Pacaud 2008: 85).

*coronata*, *Clavagella* – Deshayes, 1824-DescrCoqFoss: 8-9, 3, pl. 5, figs 15-16; 1830a-EncyMeth: 239; 1835-HistNatAnim2: 23-24; Deshayes in Guérin-Méneville 1835: pl. 33, fig. 6, 6a, 6b; 1839-HistNatAnim3: 511; 1839-TraitElem-1(2): 23-24, 2, pl. 1, fig. 11; 1843d: 4, pl. 2, figs 5-9; Deshayes in Guérin-Méneville 1844: 51-52; 1856-DescrCoqFoss: *I*, pl. 1, figs 5-15; 1857: 89-90. — Type localities: Lizy-sur-Ourq & Pauliac near Bordeaux. — Type age: Eocene (Bartonian). — Type species (SD Stoliczka, 1871) of *Stirpulina* Stoliczka, 1870. *Stirpulina* was conserved and senior synonym *Tubolana* Bivona Bernardi, 1832, was suppressed by ICZN Opinion 2325 (2013). (The type species of the suppressed *Tubolana* was *T. digitata* Bivona Bernardi, 1832, now regarded as a synonym of *Clavagella bacillaris* Deshayes, 1830.) *Clavagella (Stirpulina) coronata* Deshayes, 1824 (Glibert & Van de Poel 1966a: 13; Glibert 1980: 47; Le Renard & Pacaud 1995: 67). — Current status: *Stirpulina coronata* (Deshayes, 1824) (Stallwood 1995: 88; Nevesskaja *et al.* 2013: 284, fig. 103-9).

*depressa*, *Saxicava* – Deshayes, 1824a: 254-255, 258, pl. 15, fig. 10; 1824-DescrCoqFoss: 66, 5, pl. 9, figs 20-21; 1832-EncyMeth: 928; 1835-HistNatAnim2: 155; 1839-HistNatAnim3: 553; 1857-DescrCoqFoss: 93 (as synonym of *Clavagella brongniarti* Deshayes, 1824). — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Current status: synonym of *Clavagella brongniarti* Deshayes, 1824.

*desmoulini*, *Clavagella* – Deshayes, 1857-DescrCoqFoss: 90; Guérin-Méneville & Deshayes 1868: 66, pl. 32, fig. 6, 6a, 6b. The latter treatment were the same figures treated in Guérin-Méneville (1835, 1844), also as *C. coronata* (see above). Based on figures in Des Moulins (1829: 239-246, pl. 13, figs “1-4” [actually 1-5]) of what Des Moulins figured as *Clavagella coronata* Deshayes, 1824. — Type localities: Lafite (Pauillac) & Saint-Estèphe. — Type age: Eocene (Bartonian). In subsequent literature, this has been mistakenly referred to as just *C. “moulini”* and/or given a second terminal “i”, as “*desmoulinii*”. *Clavagella desmoulini* Deshayes, 1857 (Dollfus & Dautzenberg 1902: 56). — Current status: *Brechites desmoulini* (Deshayes, 1857) (J.-F. Lesport, pers. comm., December 19, 2022).

*lagenalis*, *Clavagella* – Deshayes, 1856-DescrCoqFoss: 2, pl. 2, figs 4-6; 1857-DescrCoqFoss: 92-93, as *C. lagenula*. — Type localities: Ver-sur-Launette & Le Guépelle. — Type age: Eocene (Bartonian). — Current status: *Clavagella (Clavagella) lagenalis* Deshayes, 1856 (Glibert & Van de Poel 1966a: 12; Glibert 1980: 47-48; Le Renard & Pacaud 1995: 67).

*lamarckii*, *Clavagella* – Deshayes, 1856-DescrCoqFoss: 2, pl. 2, figs 7-10 [fig. 10 not mentioned in text]; 1857-DescrCoqFoss: 93-94; 1865-DescrCoqFoss: 665 [this correction noted]. — Type locality: Les Bouleaux. — Type age: Eocene (Lutetian). — Current status: *Clavagella (Clavagella) lamarckii* Deshayes, 1856 (Le Renard & Pacaud 1995: 67; Pacaud 2008: 85).

*margaritacea*, *Saxicava* – Deshayes, 1824a: 258, 254, pl. 15, fig. 9; 1824-DescrCoqFoss: 65, 5, pl. 9, figs 22-24; 1829-DictClass15: 24; 1832-EncyMeth: 928; 1835-HistNatAnim2: 155; 1839-HistNatAnim3: 553; 1857-DescrCoqFoss: 93 (as synonym of *Clavagella brongniarti* Deshayes, 1824). — Type locality: Valmondois. — Type age: Eocene (Bartonian). — Current status: synonym of *Clavagella brongniarti* Deshayes, 1824.

*primigenia*, *Clavagella* – Deshayes, 1857-DescrCoqFoss: 94-95, 15, pl. 15, figs 1-2. — Type locality: Gannes. — Type age: Eocene (Lutetian). — Current status: *Clavagella (Clavagella) primigenia* Deshayes, 1857 (Le Renard & Pacaud 1995: 67).

*lata*, *Clavagella* – Deshayes, 1839-TraitElem-1(2): 25-26, 2, pl. 1, figs 12-14. Sherborn (1927: 3455) recorded this as being by Deshayes, separately from the Indo-Pacific *Clavagella lata* Broderip, 1834, although Deshayes noted Broderip's publication, perhaps because Deshayes was miscredited with the species on the plate explanation. — Current status: *Bryopa lata* (Broderip, 1834) [*Clavagella*].

*philippiana*, *Clavagella* – G. B. Sowerby II, 1872b: pl. 1, fig. 3, *ex* Deshayes ms. — Type locality: Mediterranean. — Type age: Recent. Petit (2009: 151). — Current status: synonym of *Bryopa aperta* (G. B. Sowerby I, 1823) [*Clavagella*].

#### Family PENICILLIDAE J. E. Gray, 1858

*Arythaena* – Deshayes, 1830a-EncyMeth: 75. Incorrect subsequent spelling of *Arytene* Oken, 1815, a name published in an unavailable work (ICZN Opinion 417, 1956). Listed under *Aspergillum* Lamarck, 1818.

*annulus*, *Aspergillum* – J. E. Gray, 1858: 312, *ex* Deshayes ms. — Current status: synonym of *Verpa penis* (Linnaeus, 1758) [*Serpula*].



*disjunctum*, *Aspergillum* – Reeve, 1860b: pl. 3, fig. 12, ex Deshayes ms. — Current status: synonym of *Verpa penis* (Linnaeus, 1758) [*Serpula*].

*pulchrum*, *Aspergillum* – J. E. Gray, 1858: 312, ex Deshayes ms. — Current status: synonym of *Verpa penis* (Linnaeus, 1758) [*Serpula*].

*pulchellum*, *Aspergillum* – J. E. Gray, 1858: 311, ex Deshayes ms. — Current status: synonym of *Verpa penis* (Linnaeus, 1758) [*Serpula*].

*radix*, *Penicillus* – J. E. Gray, 1858: 312, ex Deshayes ms. — Current status: synonym of *Verpa philippiensis* (Chenu, 1843) [*Aspergillum*].

#### Family EDMONDIIDAE W. King, 1850

*modiolaeforme*, *Cardium* – Deshayes, 1857-TraitElem: 48. Replacement name for *Cardium radiatum* (de Koninck, 1842: 109, pl. 2, fig. 6, pl. 3, fig. 9) [*Cardiomorpha*], non Dujardin, 1837, nec Reeve, 1845. — Type locality: Visé, Belgium. — Type age: Carboniferous. Hylleberg (2004: 631, as “1853”, 730). Replacement name unnecessary, not used by later authors; Deshayes moved species from Paleozoic families into the Cardiidae and then lumped all species under “*Cardium*” (ICZN Code Article 59.3). — Current status: presumably still *Cardiomorpha radiatum* de Koninck, 1842, with Deshayes name as a synonym.

*sulcifera*, *Cardium* – Deshayes, 1857-TraitElem: 49, non Bayle, in Fournel, 1849. Replacement name for *Cardium sulcatum* (de Koninck, 1842: 109-110, pl. 2, fig. 19) [*Cardiomorpha*], non Lamarck, 1818, nec Michelotti, 1839. — Type locality: Visé, Belgium. — Type age: Silurian. Hylleberg (2004: 794, as “1853”, 793, and as not Cardiidae). Replacement name unnecessary, not used by later authors; Deshayes moved species from Paleozoic families into the Cardiidae and then lumped all species under “*Cardium*” (ICZN Code Article 59.3). — Current status: presumably still *Cardiomorpha sulcata* de Koninck, 1842, with Deshayes’ name a synonym.

#### Family CLEIDOTHAERIDAE Hedley, 1918 [1870]

*Camostraea* – Deshayes, 1830a-EncyMeth: 178, ex Blainville ms (1825), where it was a vernacular. — Type species (M): *Chama hemi-cardium* Blainville, 1825. Blainville’s vernacular also made available as *Chamostrea* J. E. Gray, 1840, ex Blainville ms; type species (SD Herrmannsen, 1846): *Chione albida* Lamarck, 1819. — Current status: both now regarded as synonyms of *Cleidothaerus* Stutchbury, 1830.

#### Family PANDORIDAE Rafinesque, 1815

*defrancii*, *Pandora* – Deshayes, 1824-DescrCoqFoss: 61, 5, pl. 9, figs 15-17; 1828-DictClass13: 10; 1832-EncyMeth: 697; 1835-Hist-NatAnim2: 147; 1839-HistNatAnim3: 550; 1857-DescrCoqFoss: 243. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Pandora (Pandorella) defrancii* Deshayes, 1824 (Glibert & Van de Poel 1966a: 8; Le Renard & Pacaud 1995: 68; Pacaud 2008: 85).

*dilatata*, *Pandora* – Deshayes, 1857-DescrCoqFoss: 243-244, 17, pl. 17, figs 6-9. — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Pandora (Pandorella) dilatata* Deshayes, 1857 (Glibert & Van de Poel 1966a: 8; Le Renard & Pacaud 1995: 68; Pacaud 2008: 85).

*primaeva*, *Pandora* – Deshayes, 1857-DescrCoqFoss: 244, 11 bis, pl. 11 bis, figs 16-18. Aizy-Jouy. — Type age: Eocene (Ypresian). — Current status: *Pandora (Pandorella) primaeva* Deshayes, 1857 (Le Renard & Pacaud 1995: 68).

*rostralis*, *Myadora* – Deshayes, 1850-TraitElem: 204, iv, pl. 12 bis, figs 13-15. — Type locality: none given. — Type age: Recent. — Type material: MNHN-IM-2000-38634, holotype. — Current status: *Pandora* but *taxon inquirendum* (Huber 2010a: 779).



*aequivalvis*, *Pandora* “?” – Leymerie, 1841: 341, *nomen nudum*; 1842: 4, 24, pl. 3, fig. 7a-b, ex Deshayes ms, non Philippi, 1836, a *Lyonsia* (Coan & Kabat, 2017: 108). — Type localities: Avalueur, Le Magny & Marolles-sous-Lignières. — Type age: Cretaceous (Hauterivian). — Current status: *Anthonya albis* Pacaud, n. name (replacement name herein), for Leymerie’s species: from *Albis*, Latin for the name of the Aube River in 877 and the department where the type material was collected; name given in apposition.

#### Family LYONSIIDAE P. Fischer, 1887

*Tetragonoste* – Deshayes, 1832-EncyMeth: 590. A vernacular, latinized by Herrmannsen (1849), as *Tetragonostea* “Deshayes, 1830”, but there listed in the synonymy of *Lyonsia* Turton, 1822, and thus unavailable. Listed in the synonymy of *Lyonsia* Turton, 1822, and *Entodesma* Philippi, 1852, by Prezant (1981: 64).

*cuneiformis*, *Osteodesma* – Deshayes, 1857-TraitElem: [iv], pl. 8 bis, figs 1-3. — Type locality: none given. — Type age: Recent. — Current status: *Entodesma cuneiformis* (Deshayes, 1857), but *taxon inquirendum*, possibly an error for *Entodesma cuneatum* (J. E. Gray, 1828) [*Anatina*].

*heberti*, *Lyonsia* – Deshayes, 1857-DescrCoqFoss: 259-260, 17, as *Osteodesma heberti*, pl. 17, figs 15-19. — Type locality: Auvers-sur-Oise. — Type age: Eocene (Bartonian). — Type species (OD) of *Endomargarus* Cossmann, 1886. — Current status: *Lyonsia (Endomargarus) heberti* (Deshayes, 1857) (Le Renard & Pacaud 1995: 69).

#### Family PHOLADOMYIDAE King, 1844

*crepelinei*, *Pholadomya* – Deshayes, 1857-DescrCoqFoss: 277, said to be a replacement name for *Pholadomya pectinata* “Merian”, non Agassiz, 1845, but the Merian name is only in ms, so there is no homonymy involved. — Type locality: Switzerland. — Type age: Oligocene. — Current status: synonym of *Pholadomya weissii* Philippi, 1847 (Moesch 1875: 123).

*ludensis*, *Pholadomya* – Deshayes, 1856-DescrCoqFoss: 9, pl. 9, figs 1-5; 1857-DescrCoqFoss: 280. — Type localities: Ludes, Hermonville & La Chapelle-Saint-Denis. — Type age: Eocene (Priabonian). — Type material: MNHN.F.J04157, syntypes. — Current status: *Pholadomya ludensis* Deshayes, 1857 (Glibert & Van de Poel 1966a: 10; Le Renard & Pacaud 1995: 69).

*retusa*, *Pholadomya* – Deshayes, 1850-TraitElem-1(2): 156-157, 4, pl. 5, figs 2-3. — Type locality: none given. — Type age: Jurassic. — Current status: *taxon inquirendum*.

*semicostata*, *Pholadomya* – Deshayes, 1850-TraitElem-1(2): 150, 155, 4, pl. 5, fig. 6. — Type locality: Lorraine. — Type age: Lias [Early Jurassic]. Preoccupies *P. semicostata* Agassiz, 1845. — Current status: *taxon inquirendum*.

*umbonata*, *Pholadomya* – Deshayes, 1850-TraitElem-1(2): 155-156, 4, pl. 5, fig. 1. — Type locality: Belgium. — Type age: fossil. Preoccupies *Pholadomya umbonata* Roemer, 1841, from Germany. — Current status: *taxon inquirendum*.

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*cordiformis*, *Pholadomya* – Leymerie, 1841: 299, “pl. 3, fig. 3a-b”, *nomen nudum*; 1842: 3, 24, pl. 3, figs 3a-b, *ex* Deshayes ms. — Type locality: Saint-Parres. — Type age: Cretaceous (Hauterivian). — Current status: *taxon inquirendum*.

*solenoides*, *Pholadomya* – Leymerie, 1841: 341, *nomen nudum*; 1842: 3, 24, pl. 3, figs 5a-b, *ex* Deshayes ms. — Type locality: Vendeuvre. — Type age: Cretaceous (Hauterivian). — Current status: *Pholadomya solenoides* Leymerie, 1842 (Colleté *et al.* 2010: 83).

#### Family SANGUINOLITIDAE S. A. Miller, 1877

*acutangula*, *Arca* – Deshayes, 1858-TraitElem: 349; 368, as *Cucullaea*. Replacement name for *Arca carinata* Goldfuss, 1841 (Goldfuss 1841: 283, pl. 160, fig. 11), *non* J. Sowerby, 1813, *nec* Koch & Dunker, 1837. — Type locality: Eifel, Germany; Middle Devonian. — Current status: *Sanguinolites acutangula* (Deshayes, 1858) (M. Amler, pers. comm., March 23, 2023).

#### Family THRACIIDAE Stolizcka, 1870 [1839]

Osteodesmatidae Couthouy, 1839 (Couthouy 1839: 129), *ex* Deshayes ms, was based on *Osteodesma* Blainville, 1827, *ex* Deshayes ms. — Type species (SD Dall, 1903): *Anatina myalis* Lamarck, 1818, a synonym of *Thracia pubescens* (Pulteney, 1799) [*Mya*]. The latter is also the type species (M) of *Thracia* Blainville, 1824 (two species were originally listed but one was a *nomen nudum* in 1824). Couthouy attributed the family name to Deshayes, who had listed it as a vernacular, “Ostéodesmes” (Deshayes, 1832-EncyMeth: table facing p. 553). — Current status: synonym of Thraciidae Stolizcka, 1870, which is in prevailing usage and is conserved under ICZN Code Art. 40.2, with the precedence of 1839.

*brevis*, *Thracia* – Deshayes, 1846-Algér: 297, pl. 81, figs 4-6. — Type locality: Oran, Algeria. — Type age: Recent. — Current status: synonym of *Thracia distorta* (Montagu, 1803) [*Mya*] (Huber 2015: chapter 5 on CD).

*corbuliformis*, *Thracia* – Deshayes, 1824-DictClass: pl. [76], fig. 4-4a; 1830-DictClass16: 236; 1831-DictClass17: 117; 1832-EncyMeth: 1039; 1835-HistNatAnim2: 83; 1839-TraitElem: 6, pl. 9, figs 1-3; 1839-HistNatAnim3: 530, all but the 1824 plate as *T. corbuloidea*. — Type locality: Mediterranean. — Type age: Recent. The name for this species has a complex history. It appeared as a *nomen nudum* – *Thracia corbuloidea* – under *Thracia* in Blainville’s (1824: 347) article on the Mollusques in the *Dictionnaire des sciences naturelles*. It then appeared with the same spelling the next year, also as a *nomen nudum*, in the text of Blainville’s *Manuel de malacologie et de conchyliologie* (1825: 565), referring to figures in the *Manuel*’s as-yet unpublished pl. 76, fig. 6. It was previously thought to have become available when this and the other plates were published in 1827. (It would have not mattered that the plate caption was only a vernacular because it referenced the manuscript scientific name in the earlier text.) However, it is now known that this species first appeared in the caption to a plate by Deshayes published in September 1824, with the spelling *Thracia corbuliformis*, which he later said was an error. However, this original spelling has to prevail (ICZN Code Art. 32). — Current status: this species, native to the Mediterranean, should therefore be known as *Thracia corbuliformis* Deshayes, 1824. This species is discussed, as *T. corbuloidea* Blainville, in Monegatti & Raffi (2001: 190) and Huber (2010a: 500), and as *T. corbuloidea* in Cossignani & Ardochini (2011: 59, 490). A similar but probably new species occurs in west Africa (Cosel & Gofas 2019: 1020-1021).

*edwardsi*, *Thracia* – Deshayes, 1856-DescrCoqFoss: 5, pl. 5, figs 21-23; 1857-DescrCoqFoss: 266. — Type locality: Châlons-sur Vesle. — Type age: Paleocene (Thanetian). — Current status: *Thracia edwardsi* Deshayes, 1856 (Glibert & Van de Poel 1966a: 5; Le Renard & Pacaud 1995: 68).

*gresslyi*, *Thracia* – Deshayes, 1850-TraitElem: 243, replacement name for *Corymya elongata* Agassiz, 1845 (Agassiz 1845: 268, 286, pl. 36, figs 16-18), *non* *Thracia elongata* F. A. Roemer, 1841, when Deshayes placed both in *Thracia*. — Type locality: Soleure, Switzerland. — Type age: Lower Oolite, Jurassic. — Current status: *taxon inquirendum*.

*grignonensis*, *Thracia* – Deshayes, 1857-DescrCoqFoss: 268-269, 17, pl. 17, figs 20-23. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Thracia grignonensis* Deshayes, 1857 (Glibert & Van de Poel 1966a: 6; Le Renard & Pacaud 1995: 68; Pacaud 2008: 85).

*ludovica*, *Thracia* – Deshayes, 1857-DescrCoqFoss: 268, 17, pl. 17, figs 27-29. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). *Thracia ludovica* Deshayes, 1857 (Glibert & Van de Poel 1966a: 6). — Current status: *Cyathodonta ludovica* (Deshayes, 1857) (Le Renard & Pacaud 1995: 68; Pacaud 2008: 85).

*parvula*, *Thracia* – Deshayes, 1857-DescrCoqFoss: 269, 17, pl. 17, figs 24-26. — Type locality: Thiverval-Grignon. — Type age: Eocene (Lutetian). — Current status: *Thracia parvula* Deshayes, 1857 (Glibert & Van de Poel 1966a: 7; Le Renard & Pacaud 1995: 68).

*plicata*, *Thracia* – Deshayes, 1832-EncyMeth: 1039-1040. No locality indicated. — Type age: Recent. 1835-HistNatAnim2: 83-84; 1839-HistNatAnim3: 530. — Current status: the West African *Cyathodonta plicata* Deshayes, 1832 (Cosel & Gofas 2019: 1024-1025).

*prestwichii*, *Thracia* – Deshayes, 1856-DescrCoqFoss: 5, pl. 5, figs 19-20; 1857-DescrCoqFoss: 265-266. — Type locality: Châlons-sur Vesle. — Type age: Paleocene (Thanetian). — Current status: *Thracia prestwichii* Deshayes, 1856 (Le Renard & Pacaud 1995: 68; Leroy *et al.* 2014: 28, pl. 13, fig. 12-14).

*tellinoides*, *Thracia* – Deshayes, 1850-TraitElem: 242. Replacement name for *Corymya lata* Agassiz, 1845 (Agassiz 1845: 271, 286, pl. 34, figs 1-3), *non* *Sanguinolaria lata* Goldfuss, 1837, both of which Deshayes placed in *Thracia*. — Type locality: Neuchâtel, Switzerland. — Type age: Cretaceous. — Current status: *taxon inquirendum*.

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*Osteodesma* – Blainville, 1827 (Blainville 1827: 659), *ex* Deshayes ms. — Type species (SD Dall, 1903): *Anatina myalis* Lamarck, 1818, a synonym of *Thracia pubescens* (Pulteney, 1799) [*Mya*]. — Current status: synonym of *Thracia* Blainville, 1824.

*subangulata*, *Thracia* ? – Leymerie, 1841: 341, *nomen nudum*; 1842: 3-4, 24, pl. 5, fig. 1, *ex* Deshayes ms. — Type locality: Soullaines-Dhuys. — Type age: Cretaceous (Hauterivian). — Current status: — Current status: *taxon inquirendum*.

*suprajurensis*, *Thracia* – Leymerie, 1846: 239, pl. 9, fig. 10, *ex* Deshayes ms. — Type locality: Aube Department. — Type age: Jurassic (Kimmeridgian). — Current status: synonym of *Thracia incerta* (F. A. Roemer, 1836, *ex* Thurmann ms) [*Tellina*] (Loriol *et al.* 1872b: 203-206, pl. 11, figs 9-10).



## Family CUSPIDARIIDAE Dall, 1886

*cocchlearella*, *Corbula* – Deshayes, 1824-*DescrCoqFoss*: 58, 5, pl. 9, figs 6-8; 1857-*DescrCoqFoss*: 237, as *Neaera cocchlearella*. — Type localities: Parnes, Thiverval-Grignon & le Plaisantin. — Type age: Eocene (Lutetian-Bartonian). The specimen from Italy [Plaisantin, in fact Piacenzien (Pliocene)] is not the same species. *Cuspidaria* (*Cardiomya*) *cocchlearella* (Deshayes, 1824) (Glibert & Van de Poel 1970: 138; Le Renard & Pacaud 1995: 68). — Current status: *Cardiomya cocchlearella* (Deshayes, 1824) (Pacaud 2008: 86).

*costellata*, *Corbula* – Deshayes, 1833b: 231, “pl. 7, figs 1-3”, *nomen nudum*; 1835b: 86-87, pl. 24, figs 1-3; 1850-*TraitElem*-1(2): 192, 194; 1850-*TraitElem*: *iv*, pl. 12 bis, figs 9-11, as *Neaera*. — Type locality: Peloponnese Peninsula, Greece. — Type age: Subapennine Formation, Pliocene; Mr. Lavelaine. — Current status: the ampho-Atlantic *Cardiomya costellata* (Deshayes, 1835) (Huber 2010a: 518; Cossignani & Ardevini 2011: 60, 497; R. Janssen & Krylova 2014: 67; Cosel & Gofas 2019: 1040-1041; Alf & Haszprunar, in Alf et al. 2020: 347-348, pl. 282). However, Carvalho de Lima et al. (2020: 7-11) maintain that many of the specimens identified as this species actually represent *Cardiomya striolata* (Locard, 1897), leaving the distribution of Deshayes' species yet to be resolved.

*dispar*, *Corbula* – Deshayes, 1824-*DescrCoqFoss*: 57, 4, pl. 8, figs 36-38; 1835-*HistNatAnim*2: 142; 1839-*HistNatAnim*3: 549; 1857-*DescrCoqFoss*: 236-237, as *Neaera dispar*. — Type locality: Parnes. — Type age: Eocene (Lutetian). *Cuspidaria* (*Cardiomya*) *dispar* (Deshayes, 1824) (Glibert & Van de Poel 1970: 138; Le Renard & Pacaud 1995: 68). — Current status: *Cardiomya dispar* (Deshayes, 1824) (Pacaud 2008: 86).

*faba*, *Corbula* – Deshayes, 1824-*DescrCoqFoss*: 56, 4, pl. 8, figs 5-7; 1857-*DescrCoqFoss*: 252, as *Poromya faba*. — Type localities: Thiverval-Grignon & Ferme de l'Orme. — Type age: Eocene (Lutetian). — Type species (OD) of *Fabagella* Cossmann, 1886. — Current status: *Fabagella faba* (Deshayes, 1824) (Glibert & Van de Poel 1966a: 61; Le Renard & Pacaud 1995: 68; Pacaud 2008: 84).

*wateleti*, *Neaera* – Deshayes, 1857-*DescrCoqFoss*: 236, 15, pl. 15, figs 4-6 [figs not listed in text]; 1865-*DescrCoqFoss*: 665 [error noted]. — Type locality: Aizy-Jouy. — Type age: Eocene (Ypresian). — Current status: synonym of *Neaera cocchlearella* (Deshayes, 1824) (Cossmann 1886a: 50).

## Family POROMYIDAE Dall, 1886

*vitrea*, *Corbula* – Deshayes, 1846-*Algér*: 236-237; 1848: 65, pl. 22, figs 7-11. Bône [Annaba]. — Type localities: Algeria & Sicily. — Type age: Recent. — Current status: synonym of *Poromya granulata* (Nyst & Westendorp, 1839) [*Corbula*] (E. Krylova, pers. comm., July 4, 2019).

## Family VERTICORDIIDAE Stoliczka, 1870

*parisiensis*, *Verticordia* – Deshayes, 1856-*DescrCoqFoss*: 10, pl. 10, figs 12-14 [in text as pl. 16]; 1860-*DescrCoqFoss*: 808-809; 1865-*DescrCoqFoss*: 665 [pl. error noted]. — Type localities: Thiverval-Grignon, Parnes & Houdan. — Type age: Eocene (Lutetian). — Current status: *Verticordia parisiensis* Deshayes, 1856 (Glibert & Van de Poel 1970: 136; Le Renard & Pacaud 1995: 75; Pacaud 2008: 85).

## Class ROSTROCONCHIA L. R. Cox, 1960

## Family CONOCARDIIDAE Miller, 1889

*bruguierei*, *Cardium* – Deshayes, 1857-*TraitElem*: 45. Replacement name for *Cardium elongatum* J. Sowerby, 1815 (J. Sowerby 1815: 188, pl. 82, fig. 3), *non* Bruguière, 1789, *nec* Bosc, 1801, *nec* Montagu, 1803. — Type locality: Derbyshire, United Kingdom. — Type age: Lower Carboniferous. Listed by Hylleberg (2004: 412) in his catalogue of Cardiidae names. Although earlier authors had treated *Cardium elongatum* J. Sowerby, 1815, as the type species (M) of the genus *Conocardium* Bronn, 1834 (Bronn 1834: 92) (e.g., Branson et al., in Cox et al. 1969: N859), later authors have shown that Bronn (1834), while listing *C. elongatum*, had actually figured *Cardium aliforme* J. de C. Sowerby, 1827, and Bronn's later works confirmed this. As a result, Amler & Rogalla (2004: 314) concluded that *Cardium aliforme* J. de C. Sowerby, 1827, should be regarded as the type species of *Conocardium* under ICZN Code Art. 70.3. *Cardium elongatum* J. Sowerby, 1815, had been listed as a synonym of the still earlier *Conchylolithus rostratus* Martin, 1809 (Branson et al., in Cox et al. 1969: N859). While Martin's work was rejected for nomenclatural purposes because the principles of binomial nomenclature were not followed (ICZN Opinion 231, 1954b), Martin's species name was later made available by J. Fleming (1828: 420) (Rogalla & Amler 2006: 48). With the precedent set by Branson et al., in Cox et al. (1969), this species should now be known as *Conocardium rostratum* (J. Fleming, 1828), with the Deshayes replacement name falling into its synonymy. — Current status: the earliest name for this species may well be *Conocardium elongatum* (J. Sowerby, 1815) (M. Amler, pers. comm., March 14, 2023).

*konincki*, *Cardium* – Deshayes, 1857-*TraitElem*: 48. Replacement name for *Cardium irregulare* de Koninck, 1841 (de Koninck 1841: 89-90, pl. 4, fig. 14), *non* Eichwald, 1830. — Type locality: Visé, Belgium. — Type age: Carboniferous. Hylleberg (2004: 579, as “1853”, 569). Additionally unnecessarily renamed *Conocardium digitatum* Branson, 1942 (Branson 1942: 388). Listed by Rogalla & Amler (2006: 39), without reference to the Deshayes replacement name. *Oxyprora konincki* (Deshayes, 1857). — Current status: *Conocardium konincki* (Deshayes, 1857).

## Class POLYPLACOPHORA Gray, 1821

## Family CHITONIDAE Rafinesque, 1815

*borbonicus*, *Chiton* – Deshayes, 1863: 37-38, pl. 5, figs 12-13. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-5824, syntype; MNHN-IM-2000-5825, 4 syntypes. — Type species (OD) of *Amphitomura* Pilsbry, 1893, now generally regarded as a synonym of *Acanthopleura* Guilding, 1829. — Current status: synonym of *Acanthopleura brevispinosa* (G. B. Sowerby II, 1840) (Kaas & Van Belle 1998: 34).

*magnificus*, *Chiton* – Deshayes, 1827-*DictClass*12: 455; 1832-*EncyMeth*: 680-681; 1836-*HistNatAnim*2: 498; 1843-*HistNatAnim*3: 183. — Type locality: Chile. — Type age: Recent. — Type material: MNHN-IM-2000-6038, syntype; MNHN-IM-2000-6039, 2 syntypes. — Current status: *Chiton magnificus* Deshayes, 1827; Valparaiso, two still-earlier names are both junior homonyms (Kaas & Van Belle 1998: 117): *Chiton striatus* Barnes, 1823, *non* G. Fischer, 1807, and *Chiton latus* G. B. Sowerby I, 1825, *non* Lowe, 1825.

*maillardi*, *Chiton* – Deshayes, 1863: 38-39, pl. 5, fig. 14. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-6035, 2 syntypes. — Type species (SD Thiele, 1929) of *Onithoplax* Thiele, 1909, now regarded as a synonym of *Onithochiton* J. E. Gray, 1847. — Current status: *Onithochiton maillardi* (Deshayes, 1863) (Kaas & Van Belle 1998: 117).

*polii*, *Chiton* – Deshayes, 1835b: 132; 1836-HistNatAnim2: 504-505; 1843-HistNatAnim3: 185-186. — Type locality: Peloponnese Peninsula, Greece. — Type age: Recent. Preoccupies *Chiton polii* Philippi, 1836, now a synonym of *Lepidochitona corrugata* (Reeve, 1848) [*Chiton*] (Coan & Kabat 2017: 42). — Current status: synonym of *Chiton olivaceus* Spengler, 1797 (Sabelli *et al.* 1990: 117; Kaas & Van Belle 1998: 146).

*quoyi*, *Chiton* – Deshayes, 1836-HistNatAnim2: 509; 1843-HistNatAnim3: 187. — Type locality: New Zealand. — Type age: Recent. Replacement name for *Chiton viridis* Quoy & Gaimard, 1835, *non* Spengler, 1797. — Current status: synonym of the earlier *Chiton glaucus* J. E. Gray, 1828 (Kaas & Van Belle 1998: 155). Powell (1979: 27) mistakenly listed *C. quoyi* as by Reeve (1847).

*rusticus*, *Chiton* – Deshayes, 1863: 39-40, pl. 6, figs 1-2. — Type locality: La Réunion. — Type age: Recent. — Type material: MNHN-IM-2000-6121, 5 syntypes; MNHN-IM-2000-6122, syntype. — Type species (SD Kobelt, 1894) of *Georgus* Thiele, 1893, now considered a synonym of *Chiton* Linnaeus, 1758. — Current status: synonym of *Chiton mauritanus* Quoy & Gaimard, 1835 (Kaas & Van Belle 1998: 164).

*sowerbyi*, *Chiton* – Deshayes, 1827-DictClass12: 455-456. — Type locality: Peru; Coquimbo, Chile. — Type age: Recent. — Current status: *nomen dubium* (Kaas & Van Belle 1998: 173).

*terquemi*, *Chiton* – Deshayes, 1861-DescrCoqFoss: 193-194, 13, pl. 13, figs 1-4, *non Chiton terquemii* Eudes-Deslongchamps, 1859 [Jurassic]. — Type locality: Etréchy. — Type age: Oligocene (Rupelian). — Current status: *Tonicia etrechyensis* Rochebrune, 1882: 54, replacement name.

#### Family ACANTHOCHITONIDAE Pilsbry, 1893

*penicillatus*, *Chiton* – Deshayes, 1863: 41, pl. 6, figs 8-10. — Type locality: La Réunion. — Type age: Recent. — Current status: *Acanthochitona penicillatus* (Deshayes, 1863) (Kaas & Van Belle 1998: 141).

#### Family CALLOCHITONIDAE Plate, 1901

*sanguineus*, *Chiton* – Deshayes, 1863: 40-41, pl. 6, figs 4-7, *non* Reeve, 1847. — Type locality: La Réunion. — Type age: Recent. — Current status: *Callochiton deshayesi* Thiele, 1909, replacement name (Kaas & Van Belle 1998: 165).

#### Family CHAETOPLEURIDAE Rafinesque, 1815

*hirsutus*, *Chiton* – Deshayes, 1827-DictClass 12: 456. — Type locality: Peru. — Type age: Recent. — Current status: synonym of *Chaetopleura peruviana* (Lamarck, 1819) [*Chiton*] (Kaas & Van Belle 1998: 90).

#### Family CRYPTOPLACIDAE H. Adams & A. Adams, 1858

*Chitonella* – Deshayes, 1830a-EncyMeth: 236. Incorrect subsequent spelling of *Chitonellus* Lamarck, 1819, a synonym of *Cryptoplax* Blainville, 1818.

#### Class SCAPHOPODA Bronn, 1862

Four species of Deshayes' species of "*Dentalium*" are now thought to be Annelida: *Dentalium abbreviatum* Deshayes, 1826; *D. crassum* Deshayes, 1826; *D. strangulatum* Deshayes, 1826; and *D. subulatum* Deshayes, 1826. For these, see the Annelida list below.

#### Family DENTALIIDAE Children, 1834

*absconditum*, *Dentalium* – Deshayes, 1861-DescrCoqFoss: 212-213, 1, pl. 1, figs 15-17. — Type localities: Parnes, Chaumont-en-Vexin, Saint-Félix & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). *Dentalium (Antalis) absconditum* (Deshayes, 1861) (Le Renard & Pacaud 1995: 85; Pacaud & Le Renard 1995: 175; Pacaud 2008: 78). — Current status: *Antalis abscondita* (Deshayes, 1861) (Steiner & Kabat 2004: 557).

*acuticosta*, *Dentalium* – Deshayes, 1826a: 357 [37], 378 [58], pl. 18 [4], fig. 3; 1830b-EncyMeth: 77. Replacement name for *Dentalium striatum* J. Sowerby, 1814, *non* Born, 1778 (Steiner & Kabat 2004: 558, misspelled as *D. acuticostata*). — Type locality: England. — Type age: Eocene. *Dentalium bartonense* C. P. Palmer, 1974a (Palmer 1974a: 125), additional unnecessary replacement name. — Current status: *Dentalium acuticosta* Deshayes, 1826.

*aequale*, *Dentalium* – Deshayes, 1861-DescrCoqFoss: 204, 20, pl. 20, figs 5-7. — Type localities: Cuise-la-Motte, Laversine, Laon, Osly & Cuisy-en-Almont. — Type age: Eocene (Ypresian). — Current status: *Antalis aequale* (Deshayes, 1861) (Le Renard & Pacaud 1995: 95; Pacaud & Le Renard 1995: 175; Steiner & Kabat 2004: 559).

*affine*, *Dentalium* – Deshayes, 1861-DescrCoqFoss: 201, 1, pl. 1, figs 12-14, *non* Giunti, in Biondi, 1859. — Type locality: Parnes. — Type age: Eocene (Lutetian). *Dentalium xiphias* Sharp & Pilsbry, in Pilsbry & Sharp, 1898 (Pilsbry & Sharp 1898: 219), replacement name. *Dentalium (Dentalium) desmoulinsi* Le Renard, 1994 (Le Renard 1994: 39), unnecessary additional replacement name (Steiner & Kabat 2004: 559, 584; Pacaud 2008: 78). — Current status: *Dentalium xiphias* Sharp & Pilsbry, in Pilsbry & Sharp, 1898.

*angustum*, *Dentalium* – Deshayes, 1861-DescrCoqFoss: 210-211, 1, pl. 1, figs 1-3. — Type localities: Thiverval-Grignon, Parnes, Fontenay-Saint-Père, Mouchy-le-Châtel, Mouy & Vaudancourt. — Type age: Eocene (Lutetian). *Dentalium (Antalis) angustum* Deshayes, 1861 (Le Renard & Pacaud 1995: 85; Pacaud & Le Renard 1995: 175; Pacaud 2008: 78). — Current status: *Antalis angustum* (Deshayes, 1861) (Jeffery & Tracey 1997: 81, 90-91, pl. 15, fig. 2; Steiner & Kabat 2004: 562).

*bicarinatum*, *Dentalium* – Deshayes, 1826a: 364 [44], 378 [58], pl. 18 [4], figs 16-17; 1830b-EncyMeth: 81; 1850-TraitElem: 36, pl. 61, figs 4-5; 1861-DescrCoqFoss: 203, as a synonym of *Dentalium duplex* DeFrance, 1819. — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: synonym of *Dentalium duplex* DeFrance, 1819 (Steiner & Kabat 2004: 568).

*bouei*, *Dentalium* – Deshayes, 1826a: 355-356 [35-36], 378 [58], pl. 18 [4], fig. 8; 1830-EncyMeth: 76. 1833e: 125. — Type locality: Bade, Austria. — Type age: probably Miocene. *Dentalium (Antale) bouei* Deshayes, 1826 (Cossmann & Peyrot 1917a: 163; 1917b: pl. 1, figs 17-18, as "1818"). — Current status: *Antalis bouei* (Deshayes, 1826) (Steiner & Kabat 2004: 570).



*breve*, *Dentalium* – Deshayes, 1861-DescrCoqFoss: 201-202, 1, pl. 1, figs 7-8. — Type localities: Châlons-sur-Vesle le & Jonchery-sur-Vesle. — Type age: Paleocene (Thanetian). — Current status: *Dentalium (Entaliopsis) breve* Deshayes, 1861 (Le Renard & Pacaud 1995: 75; Pacaud & Le Renard 1995: 175; Steiner & Kabat 2004: 570; Leroy et al. 2014: 27, pl. 31, figs 8-10).

*brevisissimum*, *Dentalium* – Deshayes, 1826a: 366 [46], 377 [57], pl. 17 [3], figs 13-14. 1830b-EncyMeth: 82. — Type locality: Faluns de Touraine. — Type age: Miocene. Listed by Steiner & Kabat (2004: 570). — Current status: *taxon inquirendum*.

*brongniarti*, *Dentalium* – Deshayes, 1861-DescrCoqFoss: 212, 2, pl. 2, figs 20-22 [in text as figs 20-21]; 1865-DescrCoqFoss: 665 [error corrected]. — Type localities: Montmirail, Parnes, Damery, Brasles, Mouchy-le-Châtel, Vaudancourt, Fercourt & Saint-Félix. — Type age: Eocene (Lutetian). — Current status: *Dentalium (Entaliopsis) brongniarti* Deshayes, 1861 (Le Renard & Pacaud 1995: 85; Pacaud & Le Renard 1995: 175; Steiner & Kabat 2004: 570; Pacaud 2008: 78).

*defranci*, *Dentalium* – Deshayes, 1861-DescrCoqFoss: 211, 2, pl. 2, figs 14-16. — Type localities: Le Guépelle, Ermenonville & Montagny-en-Vexin. — Type age: Eocene (Bartonian). — Current status: *Dentalium (Entaliopsis) defranci* Deshayes, 1861 (Le Renard & Pacaud 1995: 84; Pacaud & Le Renard 1995: 175; Steiner & Kabat 2004: 582).

*dufresnii*, *Dentalium* – Deshayes, 1826a: 361-362 [41-42], 378 [58], pl. 17 [3], fig. 8; 1830b-EncyMeth: 78. — Type locality: Mareigny. — Type age: Pliocene. Listed by Steiner & Kabat (2004: 585). — Current status: *taxon inquirendum*.

*grande*, *Dentalium* – Deshayes, 1826a: 365 [45], 377 [57], pl. 17 [3], figs 1-3; 1830-EncyMeth: 81-82; 1861-DescrCoqFoss: 205-206, 2, pl. 2, figs 1-4, 23-26. — Type localities: Thiverval-Grignon, la Chapelle-en-Serval & Valmondois. — Type age: Eocene (Lutetian-Bartonian). — Current status: *Fissidentalium grande* (Deshayes, 1826) (Le Renard & Pacaud 1995: 85; Pacaud & Le Renard 1995: 175; Steiner & Kabat 2004: 596).

*lacteam*, *Dentalium* – Deshayes, 1826a: 362 [42], 377 [57], as “Lin.”, pl. 16 [2], fig. 27. — Type locality: India. — Type age: Recent. — Type material: MNHN, lectotype & paralectotypes (Scarabino 1995: 242). Nominal type species (OD) of *Eboreidens* Chistikov, 1975, but this was based on a misidentification, and the type species is now fixed under ICZN Code Art. 70.3 as *Dentalium crocinum* Dall, 1907 (Steiner & Kabat, 2001: 343). — Current status: *Graptacme lactea* (Deshayes, 1826) (Steiner & Kabat 2004: 607-608; Sahlmann & Poppe, in Poppe 2011: 408, pl. 1199, fig. 11).

*lessoni*, *Dentalium* – Deshayes, 1826a: 357 [37], 376 [56], pl. 16 [2], fig. 13; 1830b-EncyMeth: 77. — Type locality: New Guinea; Mr. Lesson. — Type age: Recent. — Type material: MNHN-IM-2000-38645, lectotype; MNHN-IM-2000-38646, 90 paralectotypes. — Current status: the Indo-Pacific *Dentalium lessoni* Deshayes, 1826 (Steiner & Kabat 2004: 610).

*lucidum*, *Dentalium* – Deshayes, 1861-DescrCoqFoss: 214, 1, pl. 1, figs 18-20. — Type localities: Noailles, Abbecourt, Cuise-la-Motte, Aizy-Jouy, Mercin-et-Vaux, Lavarsine, Cœuvres-et-Valsery, Cuisyen-Almont, Laon & Hérouval. — Type age: Eocene (Thanetian-Ypresian). — Current status: *Pseudantalus lucidum* (Deshayes, 1861) (Le Renard & Pacaud 1995: 85; Pacaud & Le Renard 1995: 175; Steiner & Kabat 2004: 612), now *Fustiaria lucida* (Deshayes, 1861).

*multistriatum*, *Dentalium* – Deshayes, 1826a: 358 [38], 378 [58], pl. 18 [4], fig. 11; 1830b-EncyMeth: 78. — Type locality: “India” [actually Mauritius]. — Type age: Recent. — Type material: MNHN-IM-2000-38635, lectotype; MNHN-IM-2000-38636, 13

paralectotypes. — Current status: synonym of *Dentalium variabile* Deshayes, 1826 (Steiner & Kabat 2004: 619).

*inversum*, *Dentalium* – Deshayes, 1826a: 370-371 [50-52], 377 [57], pl. 16 [2], figs 21-22; 1830b-EncyMeth: 84. — Type locality: none given. — Type age: Recent. — Type material: MNHN-IM-2000-38637, 10 syntypes. — Current status: *Graptacme inversa* (Deshayes, 1826) (Steiner & Kabat 2004: 604), which has been allocated both to the eastern Atlantic and Panamic provinces.

*pellucens*, *Dentalium* – Deshayes, 1861-DescrCoqFoss: 214-215, 1, pl. 1, figs 21-23. — Type localities: Damery, Montmirel, Parnes & Grignon. — Type age: Eocene (Lutetian). — Current status: *Fustiaria pellucens* (Deshayes, 1861) (Le Renard 1995: 175; Le Renard & Pacaud 1995: 85; Steiner & Kabat 2004: 628; Pacaud 2008: 78).

*pseudosexagonum*, *Dentalium* – Deshayes, 1826a: 358 [38], 376 [56], pl. 16 [2], figs 14-16; 1830b-EncyMeth: 77-78. — Type locality: none given. — Type age: Recent. — Type material: MNHN-IM-2000-38641, lectotype; MNHN-IM-2000-38642, 5 paralectotypes. — Current status: the Indo-Pacific *Paradentalium pseudosexagonum* (Deshayes, 1826) (Steiner & Kabat 2004: 635; Sahlmann & Poppe, in Poppe 2011: 406, pl. 1198, figs 4-5, as *Dentalium*).

*quadrangulare*, *Dentalium* – Deshayes, 1835b: 132, pl. 26, fig. 14, non G. B. Sowerby I, 1832. — Type locality: Peloponnese Peninsula, Greece. — Type age: Cretaceous?. — Current status: *Dentalium subquadrangulare* Emerson, 1954 (Emerson 1954: 185), replacement name (Steiner & Kabat 2004: 635).

*sectum*, *Dentalium* – Deshayes, 1826a: 367-368 [47-48], 378 [58], pl. 18 [4], figs 12-14; 1830b-EncyMeth: 82-83. — Type locality: Indies. — Type age: Recent. — Type material: MNHN-IM-2000-38639, 7 syntypes; MNHN-IM-2000-38640, 10 syntypes. — Current status: *Graptacme secta* (Deshayes, 1826) (Steiner & Kabat 2004: 641).

*seminudum*, *Dentalium* – Deshayes, 1861-DescrCoqFoss: 200-201, 3, pl. 3, figs 11-14. — Type localities: Jeurre, Ormoy-la-Rivière. — Type age: Oligocene (Rupelian); Kaufungen, Drausfeldt & Ahnegraben near Kassel, Germany (Steiner & Kabat 2004: 642). — Current status: *Antalis seminudum* (Deshayes, 1861) (Lozouet & Maestrati 2012a: 266, 269, fig. 172: 28, as “1857”; Lozouet & Maestrati 2012b: 34).

*semistriatum*, *Dentalium* – Deshayes, 1826a: 367 [47], 378 [58], pl. 17 [3], figs 15-16, non Turton, 1819. 1830-EncyMeth: 82. — Type localities: Parnes, Chaumont-en-Vexin, Mouchy-le-Châtel & Senlis. — Type age: Eocene (Lutetian-Bartonian). *Dentalium parisiense* d’Orbigny, 1850b (d’Orbigny 1850b: 372, no. 701), replacement name. — Current status: *Dentalium (Entaliopsis) parisiense* d’Orbigny, 1850 (Pacaud 2007: 66; Steiner & Kabat 2004: 642).

*substriatum*, *Dentalium* – Deshayes, 1826a: 366-367 [46-47], 378 [58], pl. 18 [4], figs 1-2; 1830-EncyMeth: 82; 1861-DescrCoqFoss: 208-209, 2, pl. 2, figs 5-7. — Type localities: Parnes, Chaumont-en-Vexin & La Ferme de l’Orme. — Type age: Eocene (Lutetian). — Type material: MNHN.F.A86897, 14 syntypes. *Dentalium (Antalis) substriatum* Deshayes, 1826 (Le Renard & Pacaud 1995: 85). — Current status: *Antalis substriatum* (Deshayes, 1826) (Steiner & Kabat 2004: 651; Pacaud 2008: 78).

*translucidum*, *Dentalium* – Deshayes, 1826a: 362 [42], 377 [57], pl. 16 [2], fig. 26; 1830b-EncyMeth: 80. — Type locality: none given. — Type age: not stated. — Type material: not located. — Current status: *nomen dubium* (Steiner & Kabat 2004: 657).

*variabile*, *Dentalium* – Deshayes, 1826a: 352-353 [32-33], 377 [57], pl. 16 [2], fig. 30; 1830b-EncyMeth: 75. — Type locality: India. — Type age: Recent. — Type species (OD) of *Lentigodentalium* Habe, 1963, which is now regarded as a synonym of *Denta-*

*lium* Linnaeus, 1758. — Type material: MNHN-IM-2000-38643, lectotype; MNHN-IM-2000-38644, 163 paralectotypes. — Current status: the Indo-Pacific *Dentalium variabile* Deshayes, 1826 (Steiner & Kabat 2004: 660; Sahlmann & Poppe, in Poppe 2011: 406, pl. 1198, fig. 8; Okutani 2017: 1153, pl. 455, fig. 6).



*entale*, *Dentalium* — Three papers were published on the physiology of *Dentalium entale* “Deshayes” (Arvy 1949, 1950; Fage 1949), an error for *Dentalium entalis* Linnaeus, 1758.

#### Family FUSTIARIIDAE Steiner, 1991

*acuminatum*, *Dentalium* — Deshayes, 1826a: 369 [49], 378 [58], pl. 17 [3], figs 19-20; 1830b-EncyMeth: 83-84; 1861-DescrCoqFoss: 213, as synonym of *Fustiaria fissura* (Lamarck, 1818). — Type locality: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Ypresian). — Current status: synonym of *Fustiaria fissura* (Lamarck, 1818) (Steiner & Kabat 2004: 557-558).

*rubescens*, *Dentalium* — Deshayes, 1826a: 363 [43], 377 [57], pl. 16 [2], figs 23-25. 1830b-EncyMeth: 80. — Type locality: Mediterranean. — Type age: Recent. — Type material: MNHN-IM-2000-38638, syntype. — Type species (SD Crosse, 1885) of *Pseudantalis* Monterosato, 1884, now considered to be a synonym of *Fustiaria* Stoliczka, 1868. — Current status: *Fustiaria rubescens* (Deshayes, 1826) (Sabelli *et al.* 1990: 342; Steiner & Kabat 2004: 639; Cossignani & Ardochini 2011: 60, 497, as “1825”).

#### Family GADILIDAE Stoliczka, 1868

*Gadus* — Deshayes, 1861-DescrCoqFoss: 217-220, *ex Rang* (1829) ms, where it was not used as a valid name, *non* Linnaeus, 1758 [Pisces]. — Current status: synonym of *Gadila* J. E. Gray, 1847, type genus of the Gadilidae.

*bifissuratum*, *Dentalium* — Deshayes, 1850-TraitElem: 36, pl. 61, figs 11-12, 14. — Type locality: none given. — Type age: not stated. — Current status: possibly senior synonym of *Dischides bilabiatus* (Deshayes, 1861) (Steiner & Kabat 2004: 568).

*bilabiatus*, *Gadus* — Deshayes, 1861-DescrCoqFoss: 219, 3, pl. 3, figs 22-24. — Type localities: Houdan, Thiverval-Grignon, Hérival, Montjavoult, Rozières & Saint-Sulpice. — Type age: Eocene (Lutetian-Bartonian). — Current status: *Dischides bilabiatus* (Deshayes, 1861) (Le Renard & Pacaud 1995: 86; Steiner & Kabat 2004: 568-569; Pacaud 2008: 79).

*brevis*, *Gadus* — Deshayes, 1861-DescrCoqFoss: 219-220, 3, pl. 3, figs 25-28. — Type localities: Aizy-Jouy & Hérouval. — Type age: Eocene (Ypresian). — Current status: *Dischides brevis* (Deshayes, 1861) (Pacaud & Le Renard 1995: 175; Le Renard & Pacaud 1995: 86; Steiner & Kabat 2004: 570; Pacaud 2008: 79).

*denticulatum*, *Dentalium* — Deshayes, 1850-TraitElem: 36, pl. 61, figs 13, 15-16. — Type locality: none given [Paris Basin]. — Type age: Eocene (Lutetian). — Current status: *Siphonodentalium denticulatum* (Deshayes, 1850) (Steiner & Kabat 2004: 583, 627).

*parisiensis*, *Gadus* — Deshayes, 1861-DescrCoqFoss: 218-219, pl. 3, figs 18-20. — Type localities: Brasles, Chaumont, Grignon, Parnes, Damery, Chaussy, Mouy, le Groux, Saint-Félix, Hermonville, Chambors, Le Guépelle, Ermonville, Beauval, le Ferté-sous-Jouare. — Type age: Eocene (Lutetian). *Siphonodentalium parisiensis* (Deshayes, 1861) (Le Renard 1995: 175; Le Renard &

Pacaud 1995: 86). — Current status: synonym of *Siphonodentalium denticulatum* (Deshayes, 1850) [*Dentalium*] (Steiner & Kabat 2004: 627).

#### Family LAEVIDENTALIIDAE C. P. Palmer, 1974

*aciculum*, *Dentalium* — Deshayes, 1861-DescrCoqFoss: 202-203, as *D. acicula*, 1, pl. 1, figs 31-32, *non* A. A. Gould, 1859. — Type localities: Thiverval-Grignon & Montmirail. — Type age: Eocene (Lutetian). *Dentalium acre* Sharp & Pilsbry in Pilsbry & Sharp, 1898 (Pilsbry & Sharp 1898: 197), replacement name (Steiner & Kabat 2004: 557). *Laevidentalium acicula* (Deshayes, 1861) (Le Renard & Pacaud 1995: 85; Pacaud 2008: 78, both using the Deshayes name). — Current status: *Laevidentalium acre* (Sharp & Pilsbry, in Pilsbry & Sharp 1898).

*incertum*, *Dentalium* — Deshayes, 1826a: 362-363 [42-43], 378 [58], pl. 17 [3], fig. 17; 1830b-EncyMeth: 80; 1861-DescrCoqFoss: 202, 1, pl. 1, figs 26-27, as possible junior synonym of *Dentalium nitens* J. Sowerby, 1814. — Type localities: Bordeaux & Maulette. — Type age: Eocene (Lutetian). — Type species (OD) of *Laevidentalium* Cossmann, 1888. — Current status: *Laevidentalium incertum* (Deshayes, 1826) (Le Renard & Pacaud 1995: 85; Pacaud 2008: 78, as “1825”). See also: Steiner & Kabat (2004: 601), Tan *et al.* (2015: 11, 13).

#### Class CEPHALOPODA Cuvier, 1795

#### Superorder AMMONOIDA Haeckel, 1866

Family names, when known, given for reference.

*Aptychus* — Deshayes, 1845-HistNatAnim2: 228. Ammonoid operculum; variant spelling of *Aptychus* Meyer, 1831. The associated names have not yet become integrated into formal taxonomy (Arkell 1957; Moore & Sylvester-Bradley 1957: L468).

*annulatus*, *Hamites* — Deshayes, 1831b: 228-229, 260, pl. 6, fig. 5. 1832-EncyMeth: 183. — Type locality: none given, probably Caen. — Type age: Jurassic. — Current status: *Spiroceras annulatum* (Deshayes, 1831) (Galácz 2017: 724, figs 4D, 5X-Y) [Spiroceratidae Hyatt, 1900].

*theodosia*, *Ammonites* — Deshayes, 1838a: 32, [ii], pl. 5, figs 23-24. — Type locality: near Théodosia, Crimea Peninsula. — Type age: Cretaceous (Berriasian). — Current status: *Spiticeras theodosia* (Deshayes, 1838) (Arkadiev *et al.* 2000: 100) [Olcostephanidae Haug, 1910].

*theodosia*, *Aptychus* — Deshayes, 1838a: 31-32, [ii], pl. 6, figs 6-7. — Type locality: near Théodosia, Crimea Peninsula. — Type age: not stated. Ammonoid operculum (see above under genus). — Current status: *Tauriptychus theodosia* (Deshayes, 1838) (Kozlova & Arkadiev 2003: 40; 377).



*lyelli*, *Ammonites* — Leymerie, 1841: 320, 322, *nomen nudum*; Leymerie, in d'Orbigny (1841: 255-257, pl. 74; 1842: 15, 32, pl. 17, fig. 16a-b, *ex* Deshayes ms). — Type localities: Courcelles-sur-Voire, Ervy-le-Châtel & Maurepaire. — Type age: early Cretaceous (Albian). — Current status: *Lyelliceras lyelli* (Leymerie, in d'Orbigny, 1841) (Arkell *et al.* 1957: L409-411) [Lyelliceratidae Spath, 1921].



Subclass NAUTILOIDEA Agassiz, 1847

*Campulites* – Deshayes, 1845-HistNatAnim2: 253 [p. misnumbered as “53”]-254, without named species. This name had been listed as a vernacular (“Campulite”) in Deshayes, 1830a-EncyMeth: 226; 1832-EncyMeth: 606, 670. While it has been placed, with question, into synonymies (Teichert 1940: 594), unrelated groups were originally encompassed and this should remain a *nomen dubium* (R. T. Becker, pers. comm., November 15, 2022).

Family ARCHIACOCERATIDAE Teichert, 1939

*Cirrhoceratites* – Deshayes, 1838-RegAnim: pl. 12, figs 3, 3a, 4, 4a. Subsequent incorrect spelling of *Cyrtoceratites* Goldfuss, in Hoenninghaus, 1830, which may be a senior synonym of *Archiacoceras* Foerste, 1926 (Sweet 1964: K312).

Family EUTREPHOCERATIDAE Miller, 1951

*parisiensis*, *Nautilus* – Deshayes, 1865-DescrCoqFoss: “624” [634], 107, pl. 107, figs 5-7. — Type locality: Aizy-Jouy. — Type age: Eocene (Ypresian). — Current status: *Eutrephoceras parisiense* (Deshayes, 1865) (Le Renard & Pacaud 1995: 132; Pacaud 2008: 77; Pacaud 2010: 124, fig. 13A-B).

*umbilicaris*, *Nautilus* – Deshayes, 1835-DescrCoqFoss: 767-768, 51, pl. 99, figs 1-2. — Type localities: Parnes, Chaumont-en-Vexin, Rethuil & near Soissons. — Type age: Eocene (Ypresian-Lutetian). 1865-DescrCoqFoss: “624” [634]. — Current status: *Eutrephoceras umbilicare* (Deshayes, 1835) (Le Renard & Pacaud 1995: 132; Pacaud 2008: 77; Pacaud 2010: 124, figs 13C, 14A-B).

Family HERCOGLOSSIDAE Spath, 1927

*disculus*, *Nautilus* – Deshayes, 1865-DescrCoqFoss: “625” [635], 107, pl. 107, figs 8-9. — Type locality: Villers-Cotterêts. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 675, holotype. — Current status: *Angulithes disculus* (Deshayes, 1865) (Le Renard & Pacaud 1995: 132; Pacaud 2008: 78).

*lamarckii*, *Nautilus* – Deshayes, 1835-DescrCoqFoss: 767, 50, pl. 100, fig. 1; 1865-DescrCoqFoss: “625-626” [635-636]. — Type localities: Thiverval-Grignon, Parnes & Courtagnon. — Type age: Eocene (Lutetian). — Current status: *Angulithes lamarckii* (Deshayes, 1835) (Le Renard & Pacaud 1995: 132; Pacaud 2008: 78; Pacaud & Lesport 2021: 47, fig. 2).



*arcuatus*, *Nautilus* – Leymerie, 1841: 320, *nomen nudum*; 1842: 14-15, 32, pl. 18, fig. 1a-b, *ex* Deshayes ms. — Type locality: Racines. — Type age: Cretaceous (Albian). — Current status: *Deltoidonautilus arcuatus* (Leymerie, 1842).

Family LITUITIDAE Phillips, 1848

*breyonii*, *Lituites* – Deshayes, 1838-RegAnim: pl. 12, fig. 2. — Type locality: none given. — Type age: not stated [Ordovician]. Preoccupies *Lituites breyonii* Boll, 1857, the Ordovician type species of *Rhynchorthoceras* Remelé, 1882. — Current status: *taxon inquirendum*.

Family ORTHOCERATIDAE M’Coy, 1844

*Orthocera* – Deshayes, 1838-RegAnim: pl. 11. Subsequent incorrect spelling of *Orthoceras* Bruguière, 1789.

*annulosa*, *Orthocera* – Deshayes, 1838-RegAnim: pl. 11, fig. 5, 5a. — Type locality: none given. — Type age: Ordovician? — Current status: *taxon inquirendum*.

*knorrii*, *Orthoceras* – Deshayes, 1838-RegAnim: pl. 12, fig. 1 [in pl. expl. as *knorii*; in plate caption as *knorrii*]. — Type locality: none given. — Type age: Ordovician? — Current status: *taxon inquirendum*.

*multistriata*, *Orthocera* – Deshayes, 1838-RegAnim: pl. 11, fig. 4, 4a. — Type locality: none given. — Type age: Ordovician? — Current status: *taxon inquirendum*.

*semistriata*, *Orthocera* – Deshayes, 1838-RegAnim: pl. 11, fig. 6, 6a. Pl. caption as *O. tenuistriata*. — Type locality: none given. — Type age: Ordovician? — Current status: *taxon inquirendum*.

*simplex*, *Orthoceras* – Deshayes, 1831b: 217-218, 260, pl. 6, fig. 1; 1832-EncyMeth: 671. — Type locality: Belgium. — Type age: Silurian. — Current status: *nomen dubium* (Teichert 1940: 593).

*tenuistriata*, *Orthocera* – see: *semistriata*, *Orthocera*

Family PHRAGMOCERATIDAE Miller, 1877

*nautiloides*, *Cirrhoceratites* – Deshayes, 1838-RegAnim: pl. 12, fig. 3, 3a. — Type locality: none given. — Type age: not stated. — Type material not located (pers. comm., E. Robert, UCBL). — Current status: *taxon inquirendum*, resembles some members of the Phragmoceratidae (R. T. Becker, pers. comm., November 16, 2022).

Family RUTCERATIDAE Hyatt, 1884

*spiruloides*, *Cirrhoceratites* – Deshayes, 1838-RegAnim: pl. 12, fig. 4, 4a, *ex* Bronn ms. — Type locality: none given. — Type age: not stated. — Type material not located (pers. comm., E. Robert). — Current status: *taxon inquirendum*, resembles the Lower/Middle Devonian genus *Pleuroncoceras* (R. T. Becker, pers. comm., November 16, 2022).

Subclass COLEOIDEA Bather, 1888

Order BELEMNITIDA Haeckel, 1866

*blainvillei*, *Belemnites* – Deshayes, 1830a-EncyMeth: 128, ?*non* Voltz, 1830. — Type locality: Vieux-Pont. — Type age: Lower Oolite [Middle Jurassic]. Guérin-Méneville & Deshayes 1868: [5], pl. 2, fig. 5. Not to be confused with *Sepia blainvillii* Deshayes, 1835 [Belosaepiidae; see below].

*milleri*, *Belemnites* – Deshayes, 1830a-EncyMeth: 129. — Type locality: Besançon in Jura. — Type age: not stated. — Current status: *taxon inquirendum*.

*prevosti*, *Belemnites* – Deshayes, 1830a-EncyMeth: 130. — Type locality: none given. — Type age: not stated. — Current status: *taxon inquirendum*.

*subula*, *Belemnites* – Deshayes, 1830a-EncyMeth: 130. — Type locality: none given. — Type age: not stated. — Current status: *taxon inquirendum*.

## Family BELOPTERIDAE Owen, 1856

*edwardsi*, *Beloptera* – Deshayes, 1865-DescrCoqFoss: “620” [630], 107, pl. 107, figs 3-4. — Type locality: Chaumont-en-Vexin. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 678, holotype. *Beloptera (Belopterina) edwardsi* (Deshayes, 1865) (Le Renard & Pacaud 1995: 132). — Current status: *Beloptera (Beloptera) edwardsi* (Deshayes, 1865) (Pacaud 2008: 78).



*Beloptera* – Blainville, 1827 (109-112), *ex* Deshayes ms.

## Family BELOSAEPIIDAE Dixon, 1850

*Sepiostera* – Deshayes, 1833a: 40-41, *nomen nudum*.

*blainvillii*, *Sepia* – Deshayes, 1835-DescrCoqFoss: 758-759, 50, pl. 101, figs 13-15; 1865-DescrCoqFoss: 616, as “*Belosepia*” [unjustified emendation of *Belosaepia*]. — Type localities: Valmondois & Tancrou. — Type age: Eocene (Bartonian). Thought to preoccupy *Sepia blainvillei* d’Orbigny, in d’Orbigny & Férussac, 1842, which was renamed *Sepia indica* d’Orbigny, 1845. — Current status: *Belosaepia blainvillii* (Deshayes, 1835) (Le Renard & Pacaud 1995: 132; Pacaud & Le Renard 1995: 187; Pacaud 2008: 78).

*cuvieri*, *Sepia* – Deshayes, 1836-RegAnim: pl. 5, fig. 2, 2a, *non* d’Orbigny, 1826, *non* Deshayes, 1835 [Sepiidae]. — Type locality: none given. — Type age: not stated. Deshayes indicated that this species might belong to *Beloptera* Blainville, 1827. — Current status: possibly a synonym of *Beloptera sepioidea* Blainville, 1824, now placed in *Belosaepia* (Riegraf *et al.* 1998: 316-317; Kosták & Hosgór 2012: 61).

*defrancii*, *Sepia* – Deshayes, 1835-DescrCoqFoss: 759, 50, pl. 101, figs 1-3, as *ex* Blainville ms [vernacular]. — Type localities: Valognes & Valmondois. — Type age: Eocene (Lutetian-Bartonian). — Type material: UCBL-EM 783, syntype from Valmondois. — Current status: synonym of *Belosaepia compressa* (Blainville, 1827) [*Beloptera*] (Cossmann, 1892: 8).

*longirostris*, *Sepia* – Deshayes, 1835-DescrCoqFoss: 757-758, 50, pl. 101, figs 10-12. — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). 1865-DescrCoqFoss: 617, synonymized with “*Belosepia*” [*Belosaepia sepioidea* (Blainville, 1825) [*Beloptera*], the type species of *Belosaepia* Voltz, 1830 – Current status: synonym of *Belosaepia sepioidea* (Blainville, 1825) (Le Renard & Pacaud 1995: 132, without synonymy).

*longispina*, *Sepia* – Deshayes, 1835-DescrCoqFoss: 757, 50, pl. 101, figs 4-6. — Type locality: Parnes. — Type age: Eocene (Lutetian). 1865-DescrCoqFoss: “617” [627], synonymized with “*Belosepia*” [*Belosaepia sepioidea* (Blainville, 1825) [*Beloptera*], (Le Renard & Pacaud 1995: 132, without synonymy). — Current status: synonym of *Belosaepia sepioidea* (Blainville, 1825).



*compressa*, *Belosepia* – Deshayes, 1865-DescrCoqFoss: 616. — Type localities: Chaumont-en-Vexin & Valmondois. — Type age: Eocene (Lutetian-Bartonian). Cited figs from 1<sup>st</sup> edition, pl. 101, figs 1-3, of *Sepia defrancii* Deshayes, 1835. — Current status: *Stenosepia compressa* (Blainville, 1827) [*Belemnites*] (Le Renard & Pacaud 1995: 132; Pacaud 2008: 78).

## Family ONYCHOTEUTHIDAE J. E. Gray, 1847

*caribaea*, *Loligo* – Deshayes, 1823-DictClass: pl. [89], fig. 4; 1831: 123. Subsequent incorrect spelling of *Onykia cariboea* Lesueur, 1821.

## Family SEPIIDAE Leach, 1817

*cuvieri*, *Sepia* – Deshayes, 1835-DescrCoqFoss: 758, 50, pl. 101, figs 7-9, *ex* Blainville ms (vernacular), *non* d’Orbigny, 1826, *non* Deshayes, 1836 [Belopteridae; see above]; 1865-DescrCoqFoss: “617” [627]. — Type localities: Thiverval-Grignon, Courtagnon, Parnes. — Type age: Eocene (Lutetian). — Type material: UCBL-EM 827, 829, syntypes. — Current status: synonym of *Belosepia oweni* J. de C. Sowerby, in Dixon, 1850 (Le Renard & Pacaud 1995: 132). *Belosaepia oweni* J. de C. Sowerby, in Dixon, 1850 (Pacaud 2008: 78).

*vera*, *Sepia* – Deshayes, 1865-DescrCoqFoss: “613” [623], 106, pl. 106, figs 11-12. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: *Pseudosepia vera* (Deshayes, 1865) (Le Renard & Pacaud 1995: 132; Pacaud 2008: 78; Fuchs 2023: 20, fig. 9,1a-c).

## Family OCTOPODIDAE d’Orbigny, 1839



*savignyi*, *Octopus* – “Deshayes” (Adam 1959: 175). A name encountered on a museum label, in association with a specimen of *Octopus macropus* Risso, 1826. *Nomen nudum*.

## OTHER PHYLA

## Phylum FORAMINIFERA d’Orbigny, 1826

In four publications with descriptions of Foraminifera, Deshayes (1828b, 1830a-EncyMeth, 1832-EncyMeth, 1838-RegAnim) referred to a list of *nomina nuda* published by d’Orbigny (1826). D’Orbigny had also prepared the “planches inédites”, or detailed drawings of these microscopic specimens, accompanied by carved limestone models that were enlarged in size by 40 to 200 times. Deshayes was able to publish these names with descriptions, since d’Orbigny was then in South America on an extended collecting expedition. (Hairie *et al.* 2022: 2; Vénec-Peyré 2005). When Deshayes made these names available with descriptions, he cited d’Orbigny’s list, and he presumably saw d’Orbigny’s limestone models and drawings of new species. However, under ICZN Code Art. 50.1, there is no indication that anyone besides Deshayes was involved in making the names available. In later treatments, some subsequent authors have inappropriately rendered these species as “d’Orbigny, in Deshayes”. WFD in the following list refers to the World Foraminifera Database: <https://www.marinespecies.org/foraminifera/>

*Dorbignyaea* – Deshayes, 1830a-EncyMeth: 231. *Nomen nudum*.



Family ALVEOLINIDAE Ehrenberg, 1839

*elongata*, *Alveolina* – Deshayes, 1828b: 234-235, *ex d'Orbigny* ms; 1830a-EncyMeth: 17. — Type locality: Valogues. — Type age: not stated. *Nomen nudum* in d'Orbigny (1826: 307). — Current status: *Alveolina elongata* (Deshayes, 1828) (WFD).

*fortisi*, *Melonia* – Deshayes, 1826-DictClass10: 352; 1828b: 232-233; 1830a-EncyMeth: 17, last two as “*fortisi*” and synonym of *Alveolina oblonga* d'Orbigny, 1826. — Type locality: Vandemier, Roussilon, Soissonnais & Laon. — Type age: Eocene (Ypresian). — Current status: *Borelis fortisi* (Deshayes, 1826) (WFD).

Family AMMONIIDAE Saidova, 1981

*corallinarum*, *Rotalia* – Deshayes, 1832-EncyMeth: 913-914, *ex d'Orbigny* ms. — Type locality: La Manche, Mediterranean. — Type age: Recent. *Nomen nudum* in d'Orbigny (1826: 275). — Current status: *Ammonia corallinarum* (Deshayes, 1832) (WFD).

Family AMPHISTEGINIDAE Cushman, 1927

*lessoni*, *Amphistegina* – Deshayes, 1830a-EncyMeth: 26, *ex d'Orbigny* ms. — Type locality: Île de France [Mauritius]. — Type age: Recent. *Nomen nudum* in d'Orbigny (1826: 284, 304), as Îles Malouines [Falkland Islands]. Deshayes (1830) cited figures in d'Orbigny [1826: pl. 17, figs 1-4], but those figures are actually of *Amphistegina quooii* (d'Orbigny, 1826: 313, 466); they had been incorrectly cited on d'Orbigny's p. 304 as being *Amphistegina lessonii*, but this was corrected on his p. 466. — Current status: *Amphistegina lessoni* Deshayes, 1830.

*vulgaris*, *Amphistegina* – Deshayes, 1830a-EncyMeth: 26, *ex d'Orbigny* ms. — Type localities: Bordeaux & Tau. — Type age: Miocene (Burdigalian). *Nomen nudum* in d'Orbigny (1826: 305). — Current status: *Amphistegina vulgaris* Deshayes, 1830 (WFD).

Family BOLIVINITIDAE Cushman, 1927

*squamosa*, *Virgulina* – Deshayes, 1832-EncyMeth: 1127, *ex d'Orbigny* ms. — Type locality: Sienne. — Type age: not stated. *Nomen nudum* in d'Orbigny (1826: 267). — Current status: *Fursenkoina squamosa* (Deshayes, 1832) (WFD).

Family CALCARINIDAE d'Orbigny, 1827

*calcar*, *Calcarina* – Deshayes, 1830a-EncyMeth: 163; 1838-RegAnim: pl. 15, fig. 3, *ex d'Orbigny* ms. — Type localities: Martinique & Madagascar. — Type age: Recent. Also: Île-de France; fossil. *Nomen nudum* in d'Orbigny (1826: 276). — Type material: MNHN.F.FO545, syntypes. An earlier lectotype designation of a specimen from Cuba was invalid because that was not an originally included locality. — Current status: *Neorotalia calcar* (Deshayes, 1830) (WFD).

*defrancii*, *Siderolina* – Deshayes, 1829-DictClass15: 416; 1832-EncyMeth: 948. — Type locality: France; Mr. Defrance. — Type age: Recent. — Current status: *Siderolina defrancii* Deshayes, 1829 (WFD).

*raspina*, *Calcarina* – Deshayes, 1830a-EncyMeth: 164; 1833a: pl. 4, figs 10-11 [not in table]. — Type locality: Senlis. — Type age: Eocene (Bartonian). — Current status: *Calcarina raspina* Deshayes, 1830 (WFD).

Family CANCRISIDAE Chapman, Parr & Collins, 1934

*Cancris* – Deshayes, 1830a-EncyMeth: 191. Subsequent incorrect spelling of *Cancris* Montfort, 1808.

Family CRIBROLINOIDIDAE Haynes, 1981

*lyra*, *Quinqueloculina* – Deshayes, 1832-EncyMeth: 875. — Type locality: Mediterranean. — Type age: Recent. *Nomen nudum* in d'Orbigny (1826: 303). — Current status: *Adelosina lyra* (Deshayes, 1832) (WFD).

Family DISCORBIDAE Ehrenberg, 1838

*turbo*, *Rotalia* – Deshayes, 1832-EncyMeth: 913, *ex d'Orbigny* ms. — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). *Nomen nudum* in d'Orbigny (1826: 274). — Type species (OD) of *Discorbina* Parker & Jones, in W. B. Carpenter *et al.* (1862). — Current status: *Discorbina turbo* (Deshayes, 1832) (WFD).

Family GLOBIGERINIDAE

W. B. Carpenter, Parker & Jones, 1862

*puncticulata*, *Globigerina* – Deshayes, 1832-EncyMeth: 170, *ex d'Orbigny* ms. — Type locality: Rimini, Italy. — Type age: Neogene. *Nomen nudum* in d'Orbigny (1826: 277). — Type material: MNHN.F.FO470.1, lectotype; MNHN.F.FO470.2, paralectotype. — Type species (OD) of *Deshayesulus* Fordham, 1986, but this genus is a *nomen nudum* (ICZN Code Art. 13). — Current status: *Globorotalia puncticulata* (Deshayes, 1832) (Lam & Leckie 2020: 202-203, pl. 16, figs 13-19, pl. 17, figs 1-20; pl. 18, figs 1-4, 7-8; WFD).

*trilocularis*, *Globigerina* – Deshayes, 1832-EncyMeth: 170, *ex d'Orbigny* ms. — Type locality: Cypli [Ciply, Belgium]. — Type age: Miocene? *Nomen nudum* in d'Orbigny (1826: 277). — Current status: *Globigerina trilocularis* Deshayes, 1832 (WFD).

Family HAUERINIDAE Schwager, 1876

*aculeata*, *Biloculina* – Deshayes, 1830a-EncyMeth: 138, *ex d'Orbigny* ms. — Type locality: Pauliac, near Bordeaux. — Type age: Eocene (Bartonian). *Nomen nudum* in d'Orbigny (1826: 298). — Current status: *Pyrgo aculeata* (Deshayes, 1830) (WFD).

*angusta*, *Triloculina* – Deshayes, 1832-EncyMeth: 1052. — Type localities: Paris, Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). Preoccupies *T. angusta* Philippi, 1843, and *T. angusta* Terquem, 1878. — Current status: *Triloculina angusta* Deshayes, 1832 (WFD).

*arcuata*, *Articulina* – Deshayes, 1830a-EncyMeth: 75. — Type locality: Grignon. — Type age: Eocene (Lutetian). Preoccupies *A. arcuata* Bogdanovich, 1967. — Current status: *Articulina arcuata* Deshayes, 1830 (WFD).

*communis*, *Triloculina* – Deshayes, 1831b: 259, pl. 3, figs 5-7. — Type locality: none given. — Type age: not stated. — Current status: *Triloculina communis* Deshayes, 1831 (WFD).

*ferussaci*, *Quinqueloculina* – Deshayes, 1832-EncyMeth: 875, *ex d'Orbigny* ms. — Type localities: Parnes, Mouchy, Saint-Félix & Grignon. — Type age: Eocene (Lutetian). *Nomen nudum* in d'Orbigny (1826: 301). — Current status: *Articulina ferussaci* (Deshayes, 1832) (WFD).

*inflata*, *Triloculina* – Deshayes, 1833a: 44-45 [Table], pl. 4, figs 1-4, non d'Orbigny ms. — Type locality: none given. — Type age: Eocene. — Current status: *Triloculina inflata* Deshayes, 1833 (WFD). If a useful taxon, the name would have to be replaced.

*laevigata*, *Quinqueloculina* – Deshayes, 1831b: 259, pl. 3, figs 3-4, ex d'Orbigny ms. — Type locality: none given. — Type age: not stated. *Nomen nudum* in d'Orbigny (1826: 301), but who indicated Paris Basin, probably Eocene. Preoccupies *Quinqueloculina laevigata* d'Orbigny, 1839, from the Canary Islands, which has been renamed *Q. neolaevigata* El-Nakhal, 1980. — Current status: *Quinqueloculina laevigata* Deshayes, 1831 (WFD).

*opposita*, *Biloculina* – Deshayes, 1830a-EncyMeth: 138. — Type locality: Mouchy-le-Châtel. — Type age: Eocene (Lutetian). 1831b: 259, pl. 3, figs 8-10. — Current status: *Biloculina opposita* Deshayes, 1830 (WFD).

*striatula*, *Quinqueloculina* – Deshayes, 1831b: 259, pl. 3, figs 1-2; 1838-RegAnim: pl. 14, fig. 6. — Type locality: none given. — Type age: Eocene. 1833a: pl. 4, figs 5-8 [not in table], as “*Q. striata*”. — Current status: *Quinqueloculina striatula* Deshayes, 1831 (WFD).

*tricarinata*, *Triloculina* – Deshayes, 1832-EncyMeth: 1052, ex d'Orbigny ms. — Type locality: Red Sea. — Type age: Recent. *Nomen nudum* in d'Orbigny (1826: 299). — Current status: *Triloculina tricarinata* Deshayes, 1832 (WFD).

#### Family LAGENIDAE Reuss, 1862

*costata*, *Cristellaria* – Deshayes, 1832-EncyMeth: 31, ex d'Orbigny ms. — Type locality: Rimini, Adriatic Sea. — Type age: Recent. *Nomen nudum* in d'Orbigny (1826: 292). — Current status: *Lenticularia costata* (Deshayes, 1832) (WFD).

*laevigata*, *Cristellaria* – Deshayes, 1832-EncyMeth: 31, ex d'Orbigny ms. — Type locality: Caen. — Type age: Jurassic? *Nomen nudum* in d'Orbigny (1826: 292). — Current status: *Astacolus laevigatus* (Deshayes, 1832) (WFD).

#### Family NUMMULITIDAE Blainville, 1827

*contortus*, *Nummulites* – Deshayes in Ladoucette, 1834: pl. 13, figs 7-9. — Type locality: Chaillol?, Alpes, France. — Type age: Eocene. — Type material: MNHN.F.FA9, FA12, FA218, syntypes. — Current status: *Nummulites contortus* Deshayes in Ladoucette, 1834 (WFD).

*distans*, *Nummulites* – Deshayes, 1838a: 68, [ii], pl. 5, figs 20-22. — Type locality: Crimea Peninsula. — Type age: Eocene. — Type material: MNHN.F.FA103, syntype. — Current status: *Nummulites distans* Deshayes, 1838 (Hadi *et al.*, 2019: 126, fig. 8a; WFD).

*gaymardi*, *Operculina* – Deshayes, 1832-EncyMeth: 667. — Type localities: Rawack, Australia & Guam. — Type age: Recent. *Nomen nudum* in d'Orbigny (1826: 281), as *O. gaimardi*. Spelling corrected under ICZN Code Art. 32.5 because it was obviously intended to honor Joseph Paul Gaimard. MNHN.F.FO576, syntype. — Current status: *Operculina gaimardi* Deshayes, 1832 (WFD).

*irregularis*, *Nummulites* – Deshayes, 1838a: 67-68, [ii], pl. 5, figs 15-16. — Type locality: Crimea Peninsula. — Type age: not stated. — Type material: MNHN.F.FEM556, holotype. — Current status: *Nummulites irregularis* Deshayes, 1838 (WFD).

*placentula*, *Nummulites* – Deshayes, 1838a: 69, [ii], pl. 6, figs 8-9. — Type locality: Crimea Peninsula. — Type age: Eocene. — Type material: MNHN.F.FA260, FA261, FA264, FA429, syntypes. — Current status: *Assilina placentula* (Deshayes, 1838) (Hadi *et al.*, 2019: 128, fig. 8b-8d; WFD).

*polygyratus*, *Nummulites* – Deshayes, 1838a: 68, [ii], pl. 5, figs 17-19. — Type locality: Crimea Peninsula. — Type age: not stated. — Type material: MNHN.F.FEM624, “type”. — Current status: *Nummulites polygyratus* Deshayes, 1838 (Hadi *et al.* 2019: 128, fig. 8l; WFD).

*rotularius*, *Nummulites* – Deshayes, 1838a: 68-69, [ii], pl. 6, figs 10-11. — Type locality: Crimea Peninsula. — Type age: not stated. — Current status: *Nummulites rotularius* Deshayes, 1838 (WFD).

#### Family NODOSARIIDAE Ehrenberg, 1838

*glabra*, *Rimulina* – Deshayes, 1832-EncyMeth: 887-888, ex d'Orbigny ms. — Type locality: Adriatic. — Type age: Recent. *Nomen nudum* in d'Orbigny (1826: 257). — Current status: *Rimulina glabra* Deshayes, 1832 (WFD).

*rhomboidalis*, *Frondicularia* – Deshayes, 1832-EncyMeth: 146; 1838-RegAnim: pl. 15, fig. 11, ex d'Orbigny ms. — Type locality: Adriatic Sea. — Type age: Recent. *Nomen nudum* in d'Orbigny (1826: 256). — Current status: synonym of *Frondicularia complanata* (Blainville, 1824, ex DeFrance ms) [*Renulina*] (WFD).

*subovata*, *Frondicularia* – Deshayes, 1832-EncyMeth: 146. — Type localities: Italy & Cypri [Ciply, Belgium]. — Type age: not stated. — Current status: *Frondicularia subovata* Deshayes, 1832 (WFD).

#### Family PENEROPLIDAE Schultze, 1854

*stenostoma*, *Spirolina* – Deshayes, 1833a: pl. 4, figs 15-18 [not in table]. — Type locality: none given. — Type age: Eocene. — Current status: *Spirolina stenostoma* Deshayes, 1833 (WFD).

#### Family POLYMORPHINIDAE d'Orbigny, 1839

*burdigalensis*, *Polymorphina* – Deshayes, 1832-EncyMeth: 806, ex d'Orbigny ms. — Type locality: Bordeaux. — Type age: Miocene (Aquitanian). *Nomen nudum* in d'Orbigny (1826: 265). — Current status: *Polymorphina burdigalensis* Deshayes, 1832 (WFD).

*gibba*, *Polymorphina* – Deshayes, 1832-EncyMeth: 807, ex d'Orbigny ms. — Type localities: Rochelle & Rimini, Adriatic. — Type age: Recent. Grignon, Dax, Bordaux, Chavagnes & Castel-Argato & Bordeaux; fossil. *Nomen nudum* in d'Orbigny (1826: 266). — Current status: *Globulina gibba* (Deshayes, 1832) (WFD).

#### Family PULLENIIDAE Schwager, 1877

*sphaeroides*, *Nonionina* – Deshayes, 1832-EncyMeth: 630, ex d'Orbigny ms. — Type locality: none given. — Type age: not stated. — Type material: MNHN.F.FO475, FO476, syntypes. *Nomen nudum* in d'Orbigny (1826: 293). — Current status: *Pullenia sphaeroides* (Deshayes, 1832) (WFD).

#### Family ROSALINIDAE Reiss, 1963

*parisiensis*, *Rosalina* – Deshayes, 1832-EncyMeth: 907-908, ex d'Orbigny ms. — Type locality: Valognes. — Type age: Eocene (Lutetian). *Nomen nudum* in d'Orbigny (1826: 271). — Current status: *Rosalina parisiensis* Deshayes, 1832 (WFD).



Family ROTALIIDAE Ehrenberg, 1839

*bisaculeata*, *Rotalia* – Deshayes, 1828-DictClass14: 679; 1832-EncyMeth: 912-913, ex d'Orbigny ms. — Type locality: none given. — Type age: Recent. *Nomen nudum* in d'Orbigny (1826: 273). — Current status: *Rotalia bisaculeata* Deshayes, 1828 (WFD).

Family SPHAEROIDINIDAE Cushman, 1927

*bulloides*, *Sphaeroidina* – Deshayes, 1832-EncyMeth: 966; 1838-RegAnim: pl. 15, fig. 9, ex d'Orbigny ms. — Type locality: none given. — Type age: Recent. *Nomen nudum* in d'Orbigny (1826: 267), but who gave the localities as the Adriatic Sea near Rimini, the Isle of France and fossils near Sienne. — Type material: MNHN.F.FO513, FO514, syntypes. — Current status: *Sphaeroidina bulloides* Deshayes, 1832 (WFD).

Family TEXTULARIIDAE Ehrenberg, 1838



*pygmaea*, *Textularia* – Deshayes, 1832-EncyMeth: 1034 [September], ex d'Orbigny ms. — Type locality: Rimini, Adriatic. — Type age: Recent. *Nomen nudum* in d'Orbigny (1826: 263, as *T. "pigmea"*). However, this species was first made available by Guérin-Méneville, 1832 [January].

Family VALVULINIDAE Berthelin, 1880

*corrugata*, *Clavulina* – Deshayes, 1830a-EncyMeth: 242; 1833a: pl. 4, figs 12-14 [not in table]. — Type localities: Parnes & Mouchy. — Type age: Eocene (Lutetian). — Current status: regarded as *nomen oblitum* under ICZN Code Art. 23.9 in favor of *Gyrovalvulina colum-natortilis* (d'Orbigny, in Guérin-Méneville, 1832) [*Valvulina*] (WFD).

*irregularis*, *Clavulina* – Deshayes, 1830a-EncyMeth: 242. — Type locality: Grignon. — Type age: Eocene (Lutetian). Preoccupies *Clavulina irregularis* Roemer, 1838, and *C. irregularis* Costa, 1856. — Current status: *Clavulina irregularis* Deshayes, 1830 (WFD).

*parisiensis*, *Clavulina* – Deshayes, 1830a-EncyMeth: 242, ex d'Orbigny ms. — Type localities: Mouchy-le-Châtel & Parnes. — Type age: Eocene (Lutetian). *Nomen nudum* in d'Orbigny (1826: 268). — Current status: *Clavulina parisiensis* Deshayes, 1830 (WFD).

Phylum CNIDARIA Hatschek, 1888

Family names given for each species.

*brevis*, *Turbinolia* – Deshayes in Ladoucette, 1834: pl. 13, figs 1-3. — Type locality: Alpes, France. — Type age: Eocene (Priabonian). — Type material: MNHN.F.J08000, neotype. — Current status: synonym of *Trochocyathus irregularis* (Deshayes, 1834) (Milne-Edwards 1857: 45) [Caryophylliidae Dana, 1846].

*brevissima*, *Astrea* – Deshayes in Ladoucette, 1834: pl. 13, figs 13-14. — Type locality: Alpes, France. — Type age: Eocene (Priabonian). *Rhizangia brevissima* (Deshayes in Ladoucette, 1834), the type species (monotypy) of *Rhizangia* Milne Edwards & Haime, 1848 (Milne-Edwards 1857: 611-612) [Merulinidae Milne-Edwards & Haime, 1857]. The generic name was misspelled by

Deshayes in the caption as “*Astraea*”. Löser (2012: 8) stated that the type specimen of *A. brevissima* “Deshayes, 1820” [sic, 1834] is lost and that the neotype established by Barta-Calmus (1973) is not available at the former Sorbonne collection in Paris (now at the Université Pierre et Marie Curie and the Muséum national d'Histoire naturelle, Paris). Baron-Szabo & Cairns (2016: 1) stated that this neotype would be invalid according to ICZN [Code Article 75.3<sup>o</sup>]. However, Barta-Calmus (1973) is an unpublished Ph.D. thesis and hence not an available publication for purposes of designating a neotype or any other nomenclatural act (ICZN Code Articles 7, 8), so that Article 75.3 does not apply (P. Bouchet & G. Rosenberg, pers. comm., August 4, 2020). — Current status: *Rhizangia brevissima* (Deshayes in Ladoucette, 1834) (Löser et al. 2021: 266-269, figs 9.1-9.4).

*geometrica*, *Astrea* – Deshayes in Ladoucette, 1834: pl. 13, figs 10-12, non Goldfuss, 1826. — Type locality: Alpes, France. — Type age: Eocene (Priabonian). Generic name misspelled in caption as “*Astraea*”. — Current status: synonym of *Astrocoenia numisma* (Defrance, 1826) [*Astrea*] (Milne-Edwards, 1857: 260) [Astrocoeniidae Koby, 1890].

*irregularis*, *Turbinolia* – Deshayes in Ladoucette, 1834: pl. 13, fig. 5. — Type locality: Alpes, France. — Type age: Eocene (Priabonian). — Current status: *Trochocyathus irregularis* (Deshayes, 1834) (Milne-Edwards 1857: 45) [Caryophylliidae Dana, 1846].

*parasiticus*, *Anthozoanthus* – Deshayes in Frédo, 1865: 91, pl. 4. — Type locality: none given. — Type age: Recent. Sherborn (1929: 4756) listed this as “Deshayes in Expl. Algér. (Moll.), Expl. Planches, p. 3”, but it was not published in that work. Concerning: H. J. Carter (1870). — Current status: an octocoral, synonym of *Alcyonium coralloides* (Pallas, 1766) [Gorgonia] (C. McFadden, pers. comm., March 24, 2020) [Alcyoniidae Lamouroux, 1812].

*pediculata*, *Astrea* – Deshayes, 1831b: 256, as “*Astraea*”, 261, as *Astrea*, pl. 11, fig. 5. — Type locality: none given. — Type age: Eocene (Priabonian). *Phyllocoenia pediculata* (Deshayes, 1831) (Milne-Edwards 1857: 275-276). *Heliastrea pediculata* (Deshayes, 1831) (Oppenheim 1930: 320). — Current status: *Phyllocoenia pediculata* (Deshayes, 1831) (Löser 2002: 514-515) [Montastraeidae Yabe & Sugiyama, 1941].

*tenuistriata*, *Turbinolia* – Deshayes in Ladoucette, 1834: pl. 13, figs 4-6. — Type locality: Alpes, France. — Type age: Eocene (Priabonian). — Current status: synonym of *Trochocyathus irregularis* (Deshayes, 1834) (Milne-Edwards 1857: 45) [Caryophylliidae Dana, 1846].

Phylum ECHINODERMATA Klein, 1778

Family names are given for each species.

*acutus*, *Spatangus* – Deshayes, 1831b: 255, pl. 11, figs 5-6. — Type locality: Rouen; Upper Cretaceous. — Type species (SD Lambert, 1895) of *Epiaster* d'Orbigny, 1853. Stokes (2015) discussed the confusion in the 20<sup>th</sup>-century literature with multiple type species designations and determined that Lambert (1895) was the first to make this designation. — Current status: synonym of *Epiaster crassissimus* Defrance, 1827 [*Spatangus*] (A. B. Smith & Wright 2008) [Micrasteridae Lambert, 1920].

*ambulacrum*, *Spatangus* – Deshayes, 1831b: 255, 260, pl. 7, fig. 4. — Type locality: Pyrenees. — Type age: Oligocene (Stam-pian). — Type species (OD) of *Brachybrissmus* Pomel, 1883, now considered to be a synonym of *Schizaster* Agassiz, 1836 [Schizasteridae Lambert, 1905] (Lambert & Thierry 1924: 527). — Current status: *Schizaster ambulacrum* (Deshayes, 1831).

Agassiz & Desor (1846, 1847a, 1847b) described a number of fossil echinoderms, including some from Algeria, which they attributed to Deshayes. Although the “Géologie” volume of the *Exploration scientifique de l’Algérie* includes a title page listing a chapter by Deshayes, this chapter was never published. One of us (Kabat) has seen (in a private collection) several hand-colored plates of fossil echinoids from Algeria, including some of these new species, evidently prepared for the Deshayes chapter. It is likely that Agassiz and Desor saw the Deshayes specimens and/or the illustrations, which they used in publishing their descriptions of the Algerian fossils first identified by Deshayes. While these names are credited to Deshayes, the brief descriptions have no indication that Deshayes was involved in their preparation. The material seems to be from collections made by Deshayes in Algeria. Although some subsequent authors (e.g., Cotteau *et al.* 1881: 58, 88; Lambert & Thiéry 1924: 280, 411, 501) attributed these species to Deshayes, they should be attributed solely to “Agassiz & Desor.”

*africanus*, *Hemipneustes* – Agassiz & Desor, 1847b: 31, ex Deshayes ms. — Current status: *Hemipneustes africanus* Agassiz & Desor, 1847 [Hemipneustidae Lambert, 1917].

*costulatus*, *Nucleolites* – Agassiz & Desor, 1847a: 155, ex Deshayes ms. The material seems to be in part from collections made by Deshayes in Algeria [Nucleolitidae].

*delamarrei*, *Cyphosoma* – Agassiz & Desor, 1846: 352, ex Deshayes ms. — Type species (SD Lambert & Thiéry 1911) of *Rachiosoma* Pomel, 1883. — Current status: *Rachiosoma delamarrei* (Agassiz & Desor, 1846) (A. B. Smith & Wright 1996: 290, text-fig. 101) [Glyphocyphidae Duncan, 1889].

*fourneli*, *Hemiaster* – Agassiz & Desor, 1847b: 17-18, ex Deshayes ms. — Type species (OD) of *Mecaster* Pomel, 1883. — Current status: *Mecaster fourneli* (Agassiz & Desor, 1847) (A. B. Smith, in A. B. Smith & Bengtson 1991: 61-62) [Hemiasteridae H. L. Clark, 1917].

*renouxii*, *Micraster* – Agassiz & Desor, 1847b: 23, ex Deshayes ms. The material seems to be from collections made by Deshayes in Algeria [Micrasteridae Lambert, 1920].

*rostratus*, *Holaster* – Agassiz, 1840: 1, ex Deshayes ms. *Nomen nudum* [Holasteridae Pictet, 1857].

*roulini*, *Holaster* – Agassiz, 1840: 1, ex Deshayes ms. *Nomen nudum* [Holasteridae Pictet, 1857].

*serialis*, *Holectypus* – Agassiz & Desor, 1847a: 146, ex Deshayes ms. Indeed, the text, which contains no diagnosis or description, could be interpreted as establishing a *nomen nudum*. The material seems to be from collections made by Deshayes in Algeria. — Current status: *Coenoholectypus serialis* (Agassiz & Desor, 1847) (Rose & Olver 1985: 84) [Holectypidae Lambert, 1900].

## Phylum BRACHIOPODA Duméril, 1805

*Megarima* – Deshayes, 1832-EncyMeth: 421. Incorrect subsequent spelling of *Megorima* Rafinesque, 1818, a genus of uncertain status.

## Family CANCELLOTHYRIDIDAE Thomson, 1926

*parisiensis*, *Terebratula* – Deshayes, 1858-DescrCoqFoss: 87, pl. 86, figs 22-25; 1861-DescrCoqFoss: 148, as *Terebratula* (*Terebratulina*). — Type locality: Parnes. — Type age: Eocene (Lutetian). — Current status: *Terebratulina parisiensis* (Deshayes, 1858) (Le Renard & Pacaud 1995: 132; Pacaud 2015a: 75, pl. 2, figs 1-2).

*tenuiplicata*, *Terebratula* – Deshayes, 1858-DescrCoqFoss: 87, pl. 86, figs 13-15; 1861-DescrCoqFoss: 149, as *Terebratula* (*Terebratulina*). — Type localities: Parnes & Mouchy. — Type age: Eocene (Lutetian). — Current status: *Terebratulina tenuiplicata* (Deshayes, 1858) (Le Renard & Pacaud 1995: 132; Pacaud 2015a: 75).

## Family CRANIIDAE Menke, 1828

*Criopus* – Deshayes, 1836-HistNatAnim2: 314, ex Poli ms; 1843-HistNatAnim3: 116. Incorrect subsequent spelling of *Criopus* Poli, 1791. Both names were suppressed for purposes of priority but not homonymy (ICZN Opinion 1467, 1988a).

*abnormalis*, *Crania* – Deshayes, 1836-HistNatAnim2: 304, ex De-france ms; 1843-HistNatAnim3: 113. — Type localities: Bordeaux to Terre-Neigre. — Type age: Tertiary. — Current status: *taxon inquirendum*.

*laevigata*, *Orbicula* – Leymerie, 1841: 336, *nomen nudum*; 1842: 11, 29, pl. 15, fig. 1a-b, ex Deshayes ms, *non* Münster, 1840. — Type locality: Bernon. — Type age: Cretaceous (Hauterivian). This species has often been misreported in the literature (C. C. Emig, pers. commun., December 10, 2022).

## Family MEGATHYRIDIDAE Dall, 1870

### NOTE

*Argiope* Eudes-Delonghamps, 1842, *non* Audouin, 1827 [Arachnida], was renamed *Megathiris* d’Orbigny, 1847. *Cistella* J. E. Gray, 1853, *non* Gistel, 1848 [Coleoptera], was renamed *Argyrotheca* Dall, 1900.

*baudoni*, *Argiope* – Deshayes, 1858-DescrCoqFoss: 88, pl. 87, figs 6-10; 1861-DescrCoqFoss: 154. — Type locality: Mouchy. — Type age: Eocene (Lutetian). — Current status: *Argyrotheca baudoni* (Deshayes, 1858) (Pacaud 2015a: 77, pl. 3, fig. 9).

*cornuta*, *Argiope* – Deshayes, 1858-DescrCoqFoss: 88, pl. 87, figs 19-22; 1861-DescrCoqFoss: 155-156. — Type locality: Chaussy. — Type age: Eocene (Lutetian). *Argyrotheca cornuta* (Deshayes, 1858) (Le Renard & Pacaud 1995: 132). — Current status: synonym of *Argyrotheca digitata* (Defrance, 1828) [*Terebratula*] (Pacaud 2015a: 78).

*decemcostata*, *Argiope* – Deshayes, 1858-DescrCoqFoss: 87, pl. 86, figs 26-30; 1861-DescrCoqFoss: 156-157, *non* (Roemer, 1841) [*Terebratula*]. — Type locality: Chaussy. — Type age: Eocene (Lutetian). — Current status: *Argyrotheca deshayesi* (Schlönbach, 1866) [*Argiope*], replacement name (Pacaud 2015a: 78, pl. 3, fig. 11).

*plombea*, *Terebratula* – Deshayes, 1844-RegAnim: pl. 134, fig. 2, 2a-c. [in pl. expl. as *plombia*; in pl. caption as *plumbia*]. — Type locality: none given. — Type age: Recent. — Current status: probable synonym of *Magellania flavescens* (Lamarck, 1819) [*Terebratula*] (C. C. Emig, pers. comm., January 12, 2023).



*puncticulata*, *Terebratula* – Deshayes, 1858-*DescrCoqFoss*: 87, pl. 86, figs 5-9; 1861-*DescrCoqFoss*: 147-148. — Type localities: Mouchy, Liancourt & Parnes. — Type age: Eocene (Lutetian). — Current status: *Argyrotheca puncticulata* (Deshayes, 1858) (Le Renard & Pacaud 1995: 132; Pacaud 2015a: 78, pl. 3, figs 4-5).

#### Family PLATIDIIDAE Dall, 1870

*gigantea*, *Morrisia* – Deshayes, 1863: 37, pl. 5, figs 9-11. — Type locality: La Réunion. — Type age: Recent. — Current status: synonym of *Megerlia truncata* (Linnaeus, 1767) [*Anomia*] (Bitner 2007: 6-8, figs 3I-J; Álvarez *et al.* 2017: 141; Emig 2018: 32, figs 5-9, pl. 2).

#### Family PRODUCTIDAE J. E. Gray, 1840

*tubuliferus*, *Productus* – Deshayes, 1836-*HistNatAnim2*: 379; 1843-*HistNatAnim3*: 140, *non* G. Fischer, 1830. — Type locality: Germany. — Type age: not stated. New species based on *Productus scabricula* (J. Sowerby, 1814) [*Anomites*], of authors, *non* J. Sowerby, and *Gryphites aculeatus* Schlotheim, 1813, of authors, *non* Schlotheim. — Current status: *taxon inquirendum*.

#### Family TEREBRATELLIDAE King, 1850

*lenticularis*, *Terebratula* – Deshayes, 1839d: 359; 1841: 2, pl. 41. 1844-*RegAnim*: pl. 134, fig. 3. — Type locality: Strait of Fauveau [Fovaux], New Zealand. — Type age: Recent. — Type species (OD) of *Neothyris* Douvillé, 1879. — Current status: *Neothyris lenticularis* (Deshayes, 1839) (Neill 1972: 238, 240-242; Álvarez *et al.* 2017: 86-87, 268, pl. 40P-R; Emig, 2017).

*zelandica*, *Terebratula* – Deshayes, 1839d: 359; 1841: 2, pl. 42. — Type locality: New Zealand. — Type age: Recent. 1849-*DictUnivAtlas*: 10, pl. 9, fig. 7. — Current status: synonym of *Magasella sanguinea* (Leach, 1814) [*Terebratula*], the type species (OD) of *Magasella* Dall, 1870 (Robinson *et al.* 2016).

#### Family TEREBRATALIIDAE Richardson, 1975

*baudoni*, *Terebratula* – Deshayes, 1858-*DescrCoqFoss*: 87, pl. 86, figs 10-12; 1861-*DescrCoqFoss*: 147. — Type locality: Mouchy. — Type age: Eocene (Lutetian). *Argyrotheca baudoni* (Deshayes, 1858) (Le Renard & Pacaud 1995: 132). — Current status: synonym of *Terebratalia bisinuata* (Lamarck, 1819, *ex Valenciennes* ms) (Pacaud 2015a: 72).

#### Family TEREBRATULIDAE J. E. Gray, 1840

*bronni*, *Terebratula* – Deshayes, 1850-*TraitElem*: 34, pl. 59, fig. 8, *non* Roemer, 1841. — Type locality: none given. — Type age: not stated. — Current status: *taxon inquirendum*.

*confusa*, *Terebratula* – Deshayes, 1850-*TraitElem*: 35, pl. 60, figs 4-5. — Type locality: none given. — Type age: not stated. — Current status: *taxon inquirendum*.

*davidsoni*, *Terebratula* – 1858-*DescrCoqFoss*: 87, pl. 86, figs 1-4; 1861-*DescrCoqFoss*: 146, *non* Haime, 1855. — Type locality: Chaumont. — Type age: Eocene (Lutetian). *Terebratula davidsoni* Deshayes, 1858 (Le Renard & Pacaud 1995: 132). — Current status: *Terebratula liviae* Pacaud, 2015, replacement name (Pacaud 2015a: 72, pl. 1, figs 6-10).

*inflexa*, *Terebratula* – Deshayes, 1833b: 231, “pl. 3, figs 10-12”, *nomen nudum*; 1835b: 129, pl. 23, figs 1-3; 1836-*HistNatAnim2*: 359; 1843-*HistNatAnim3*: 133. — Type locality: Peloponnese Peninsula, Greece. — Type age: Subapennine Formation, Pliocene. — Current status: *taxon inquirendum*.

*konincki*, *Terebratula* – Deshayes, 1850-*TraitElem*: 35, pl. 60, figs 10-11. — Type locality: none given. — Type age: not stated. — Current status: *taxon inquirendum*.

*nystii*, *Terebratula* – Deshayes, 1850-*TraitElem*: 34, pl. 59, figs 5-7. — Type locality: none given. — Type age: not stated. — Current status: *taxon inquirendum*.

*striata*, *Terebratula* – Deshayes, 1850-*TraitElem*: 34, pl. 59, figs 21-23. — Type locality: none given. — Type age: not stated. Would preoccupy *Terebratula striata* (Leach, 1852). — Current status: *taxon inquirendum*.

*succinea*, *Terebratula* – Deshayes, 1832-*DescrCoqFoss*: 390, 28, pl. 65, fig. 3; 1832-*EncyMeth*: 1025; 1836-*HistNatAnim*: 359; 1843-*HistNatAnim3*: 133; 1861-*DescrCoqFoss*: 145-146, in synonymy with *Terebratula bisinuata* Lamarck, 1819, *ex Valenciennes* ms. — Type localities: Parnes & Mouchy-le-Châtel. — Type age: Eocene (Lutetian). — Current status: synonym of *Terebratula bisinuata* Lamarck, 1819 (Pacaud 2015a: 72).



*biangularis*, *Terebratula* – Leymerie, 1841: 321, 342, *nomen nudum*; 1842: 11, 29, pl. 14, fig. 4a-c, *ex* Deshayes ms. — Type localities: Les Croûtes, Marolles & Vendevre. — Type age: Cretaceous (Hauterivian). — Current status: synonym of *Costiathyris semistriata* (Defrance, 1828) [*Terebratula*] (Middelmiss 1981: 704, fig. 1), now *Glosseudesia semistriata* (Defrance, 1828) [*Terebratula*] (Middelmiss 1983: 689).

*subtriloba*, *Terebratula* – Leymerie, 1841: 321, 342, *nomen nudum*, as *T. subtrilobata*; 1842: 12, 30, pl. 15, figs 7a-c, 8, 9a-b, *ex* Deshayes ms. — Type localities: La Chapelle & Vendevre. — Type age: Cretaceous (Hauterivian). — Current status: *taxon inquirendum*.

### Phylum ARTHROPODA Gravenhorst, 1843

#### Subclass CIRRIPIEDIA Burmeister, 1834

The following four taxa, presumably Balanidae Leach, 1817, cannot be recognized from their short descriptions and poor images (G. Kolbasov, pers. comm., July 29, 2020).

*glandiola*, *Acasta* – Deshayes, 1830a-*EncyMeth*: 3-4. — Type locality: none given. — Type age: not stated. — Current status: *nomen dubium*.

*nana*, *Acasta* – Deshayes, 1830a-*EncyMeth*: 3. — Type locality: none given. — Type age: not stated. — Current status: *nomen dubium*.

*spinulosa*, *Acasta* – Deshayes, 1830a-*EncyMeth*: 2; Deshayes, in Guérin-Méneville, 1835: pl. 38, fig. 2, 1844: 57. — Type locality: Australia [“New Holland”]. — Type age: Recent. — Current status: *nomen dubium*.

*tubulosa*, *Acasta* – Deshayes, 1830a-*EncyMeth*: 3. — Type locality: none given; Capt. Freycinet. — Type age: Recent. 1831c: [1], pl. 59. — Current status: *nomen dubium*.

### Phylum ANNELIDA Lamarck, 1802

Family names, when known, given within each species.

*Pirgopolon* – Deshayes, 1832-EncyMeth: 772. Incorrect subsequent spelling of *Pyrgopolon* Montfort, 1808, a fossil worm [Serpulidae Rafinesque, 1815].

*abbreviatum, Dentalium* – Deshayes, 1826a: 352 [32], 378 [58], pl. 18 [4], figs 21-22; 1861-DescrCoqFoss: 199-200, 3, pl. 3, figs 5-7 [listed in text as 1-7]; 1865-DescrCoqFoss: 665 [error corrected]. — Type locality: Soissons. — Type age: Eocene (Ypresian). Polychaete (Steiner & Kabat 2004: 665). — Current status: *Pyrgopolon (Pyrgopolopsis) abbreviata* (Deshayes, 1826) (Merle 2008b: 93, as “1825”) [Serpulidae Rafinesque, 1815].

*crassum, Dentalium* – Deshayes, 1826a: 373 [53], 378 [58], pl. 18 [4], fig. 20; 1830b-EncyMeth: 85. — Type localities: Cypli [Ciply, Belgium], near Mons, Maestricht & Versailles. — Type age: Oligocene (Rupelian). — Current status: polychaete (Steiner & Kabat 2004: 666), but *nomen dubium*.

*lispe, Vermet[us]* – Deshayes, 1843-HistNatAnim2: 65, ex Adanson ms; 1843-HistNatAnim3: 525-526. Republished unavailable vernacular in the synonymy of *Serpula vermicella* Lamarck, 1818 (Bieler & Petit 2011: 67, 72) [Serpulidae Rafinesque, 1815].

*strangulatum, Dentalium* – Deshayes, 1826a: 372-373 [52-53], 377 [57], pl. 16 [2], fig. 28; 1830b-EncyMeth: 84-85; 1833b: 232; 1835b: 131. — Type locality: Australia; Mr. Péron. — Type age: Recent. Italy, Dax, Bordeaux & Highgate, England; fossil. — Current status: polychaete (Steiner & Kabat 2004: 668), but *nomen dubium* or a valid Eocene species (Vinn *et al.* 2008: 80).

*subulatum, Dentalium* – Deshayes, 1826a: 373 [53], 377 [57], pl. 16 [2], fig. 29; 1830b-EncyMeth: 85. 1850-TraitElem: 36, pl. 61, fig. 18. — Type locality: none given. — Type age: not stated. — Type species of *Ditrupa* Berkeley, 1835 (SD Bush 1905, using a senior synonym). — Current status: *Ditrupa arietina* (O. F. Müller, 1776) (ten Hove & Smith 1990: 101-106).

#### Order SIPUNCULA Stephen, 1965

*Cryptobia* – Deshayes, 1863: 65-68, *non* Leidy, 1846 [Protozoa],  *nec* Herrich-Schaeffer, 1853 [Lepidoptera]. — Type species (SD Wenz 1939): *Cryptobia heteropsammiarum* Deshayes, 1863. Once thought to be Vermetidae, these proved to be sipunculids living in coral tubes (Mörch 1865; Adam 1935; Bieler & Petit 2011: 14). — Current status: synonym of *Aspidosiphon* Diesing, 1851 (Saiz Salinas 1986: 552) [Aspidosiphonidae Baird, 1868].

*heteropsammiarum, Cryptobia* – Deshayes, 1863: 67-68. — Type locality: La Réunion. — Type age: Recent. E. B. Cutler & M. L. Cutler (1989: 847) incorrectly attributed the Deshayes species name to “Bouvier, 1894”; in fact, Bouvier (1894a, b) noted that Deshayes had first used the name, although Bouvier (1895: 19-22, pl. 1, figs 1-15) subsequently redescribed this Deshayes species name, as a “sp. nov.,” which may have resulted in subsequent authors erroneously attributing the Deshayes name to Bouvier. — Current status: synonym of *Aspidosiphon (Aspidosiphon) muelleri muelleri* Diesing, 1851 (E. B. Cutler 1994; E. B. Cutler & M. L. Cutler (1989: 847) [Aspidosiphonidae Baird, 1868].

*michelini, Cryptobia* – Deshayes, 1863: 67-68. — Type locality: La Réunion. — Type age: Recent. E. B. Cutler & M. L. Cutler (1989: 847) incorrectly attributed the Deshayes species name to “Bouvier, 1894”; in fact, Bouvier (1894a, 1894b) noted that Deshayes had first used this name, although Bouvier (1895: 22-24, pl. 1, figs 16-23) subsequently redescribed this Deshayes species name, as a “sp. nov.,” which may have resulted in subsequent authors erroneously attributing the Deshayes name to Bouvier. — Current status: synonym of *Aspidosiphon (Aspidosiphon) muelleri muelleri* Diesing, 1851 (E. B. Cutler 1994; E. B. Cutler & M. L. Cutler (1989: 847) [Aspidosiphonidae Baird, 1868].

#### DESHAYES BIBLIOGRAPHY

The following is a list of the papers and books by Deshayes. There are also many short comments and notes by him, particularly in the *Bulletin de la Société géologique de France*, that were informal and untitled. Only those that have some taxonomic impact, as noted in subsequent literature, are included. The order is chronological, although a number of works were serially produced and the years may overlap. A unique method has been selected to key to the taxonomic list because of the many overlapping serial works. Several of the latter are cited by short but unambiguous phrases in the taxonomic list, such as “DictClass” for the volumes of the *Dictionnaire classique d’Histoire naturelle* and “DescrCoqFoss” for his two Paris Basin paleontological series. These are supplemented by volume numbers and/or dates that point to the correct volume or volume part. Other works and journal articles with taxonomic import are given “a, b, c” indicators if there is more than one in a single year. Other works without new taxa are not given such indicators.

The first chronological list is followed by a short list of works with taxa misattributed to G. P. Deshayes (and one work misattributed to him in some library catalogues). Finally, there are two tables in an appendix at the end of the overall Literature Cited providing a more complete collation of the parts of the two dictionary sets that have entries by Deshayes.

1823-1831 [DictClass]. — [Many entries and several plates], in: *Dictionnaire classique d’Histoire naturelle* vols. 3-17. Rey & Gravier, Paris. The plates were originally issued with the volumes, but without numbers. It cannot be known which plates were issued when unless a set in its original wrappers is discovered. Later they were provided numbers and either bound in the places recommended in the plate explanations issued in 1831 or in a separate Atlas. Appendix 1 provides volume dates and a list of the articles and plates by Deshayes. Concerning: Evenhuis (2022). <https://doi.org/10.5962/bhl.title.33901>

1824a. — Mémoire géologique sur les fossiles de Valmondois, et principalement sur les coquilles perforantes découvertes dans le grès marin inférieur. *Mémoires de la Société d’Histoire naturelle de Paris*, sér. 2, 1 (2): 245-258, pl. 15. <https://www.biodiversitylibrary.org/page/4197644>

1824b. — Note sur un nouveau genre de la famille des Nérítacées. *Annales des Sciences naturelles* 1: 187-192, 461 [pl. expl.], pl. 13 [in Atlas]. <https://www.biodiversitylibrary.org/page/5752349>

1824c. — Réponse à quelques observations critiques de M. de Férussac, sur la famille de Nérítacées de M. de Lamarck, et sur le genre Navicelle. *Annales des Sciences naturelles* 3: 81-87. <https://www.biodiversitylibrary.org/page/5813371>

1824d. — Mémoire sur la calyptrée. *Annales des Sciences naturelles* 3: 335-344, 512 [brief pl. expl.] (November); 45-46, pl. 17 [in Atlas]. <https://www.biodiversitylibrary.org/page/5813596>

1824e. — [Review of] Histoire naturelle générale et particulière des mollusques terrestres et fluviatiles, etc.; par M. le baron de Férussac. Livr. XIX et XX. *Bulletin des Sciences naturelles et de Géologie* 1: 196-197. <https://www.biodiversitylibrary.org/page/4424536>

1824-1837 [DescrCoqFoss]. — *Description des coquilles fossiles des environs de Paris*. L’Auteur, Bechet Jeune, Baudouin Frères, Treuttel & Wurtz, Levrault, Paris, 2 vols, text and atlas. Collation by Newton (1891), who did not mention the plates or their explanations, augmented by set in California Academy of Sciences partially in original wrappers. We have here assumed that the relevant plate appeared at the same time as the proven date for the descriptive



text. Fischer P.-H. (1960) noted differences in the plates in different copies. [Reprint ed. published in 1975.] Vol. 1 [bivalves]: 392 + 28 p. (pl. expl.), 65 pls; Vol. 2 [gastropods]: 814 + [2] + 51 p. (pl. expl.), 101 pls. <https://doi.org/10.5962/bhl.title.52303>

Vol.	Livr.	Pages	Plate		Date
			Explanations	Plates	
1	1	1-36	1-2	1-4	1824
	3	37-56	3-4	5-8	July 1824
	5	57-80	5-6	9-12	September 1824
	7	81-104	7-8	13-16	1825
	8	105-128	9-10	17-20	1825
	11	129-150	11-12	21-24	1825
	13	151-170	13-14	25-28	1829
	14	171-190	15-16	29-32	1829
	15	191-214	17-18	33-36	1829
	16	215-238	19-20	37-40	1829
	17-22	239-322			1830
23-26	323-392	21-28	41-65	1832	
2	2	1-32	1-2	1-4	June 1824
	4	33-56	3-4	5-8	August 1824
	6	57-80	5-6	9-12	October 1824
	8	81-104	7-8 [p. #s 9-10 not used]	13-16	1825
	10	105-126	11-12	17-20	1825
	12	2 + 127-146	13-14	21-24	1825
	27-29	147-290	15-22	25-40	1832
	30-36	291-426	23-33	41-61	1833
	37-39	427-498	34-41	62-78	1834
	40-45	499-780	42-51	79-101	1835
	46	781-814			1837
		+ [2]			

1825a. — Quelques observations sur les genres *Hippurite* et *Radio-lite*. *Annales des Sciences naturelles* 5: 205-211. <https://www.biodiversitylibrary.org/page/2430091>

1825b. — *Hemicyclonosta michelini* Desh. [Collection de Mr. Hardouin Michelin. Coquilles fossiles du terrain parisien]. Lithographed plate by Jean-Louis Hardouin Michelin.

1826a. — Anatomie et monographie du genre dentale. *Mémoires de la Société d'Histoire naturelle de Paris*, sér. 2, 2 (2): 321-378, pls. 15-18 (April) [pl. 15 with added diagrammatic version; paper cover to second "partie" dated April 1826; repaginated reprint: 58 p., pls 1-4 + 3' (diagrammatic view of pl. 1)]. Reviewed by Férussac 1827: *Bulletin des Sciences naturelles et de Géologie* 11: 391-393. <https://www.biodiversitylibrary.org/page/53632170>

1826b. — Sur l'*Iridine*, genre de mollusques acéphales. *Nouveau Bulletin des Sciences, par la Société philomatique de Paris* for 1826 (4): 60-61 (April) [abstract by Blainville of a talk by Deshayes]. <https://www.biodiversitylibrary.org/page/4453426>

1827a. — Mémoire anatomique sur l'*Iridine* du Nil. *Mémoires de la Société d'Histoire naturelle de Paris*, sér. 2, 3 (1): 1-16, 16\*, 16\*\* [pl. expl.] (April); (2): pl. 1 (July). The species studied is now known as *Chambardia rubens* (Lamarck, 1819) [originally *Anodonta*]. <https://www.biodiversitylibrary.org/page/35529936>

1827b. — Figures de quelques coquilles de la collection de M. Hardouin Michelin. *Bulletin des Sciences naturelles et de Géologie* 11 (4): 446-447. <https://www.biodiversitylibrary.org/page/4828761>

1828a. — Mémoire sur le *Strophostome*, nouveau genre de coquilles fossiles de la famille des Hélices. *Annales des Sciences naturelles* 13: 282-287, pl. 11 (March?). <https://www.biodiversitylibrary.org/page/5978285>

1828b. — Mémoire sur les Alvéolines, et monographie de ce genre de coquilles. *Annales des Sciences naturelles* 14: 225-236 (July). <https://www.biodiversitylibrary.org/page/6012616>

1828c. — Quelques observations sur la famille des Rudistes de M. de Lamarck. *Annales des Sciences naturelles* 15: 258-266. <https://www.biodiversitylibrary.org/page/6011571>

1828d. — Observations sur le genre Podopside. *Annales des Sciences naturelles* 15: 427-434 + [461], pl. 6. <https://www.biodiversitylibrary.org/page/6011797>

GUÉRIN-MÉNEVILLE F.-É. 1829-1845 [1829-1844]. — *Iconographie du Règne Animal de G. Cuvier, ou représentation d'après nature de l'une des espèces les plus remarquables et souvent non encore figurés, de chaque genre d'animaux. Avec un texte descriptif mis au courant de la science. Ouvrage pouvant servir d'atlas à tous les traités de zoologie*. Baillière, Paris, Vol. 3: p. 1-4 + [v-vii] + viii-xvi + 1-36 [mammals]; 1-40 [birds]; 1-24 [reptiles]; 1-44 [fish]; 1-64 [molluscs, here including forams, tunicates, brachiopods & barnacles]; 1-29 [zoophytes]; 1-14 [annelids]; 1-48 [crustaceans]; 1-20 [spiders]. Parts of the text of this work probably printed as early as 1829, and perhaps informally circulated, but it is thought that the whole text was not formally issued until August or September 1844 (Cowan, 1971). Vol. 2. Animaux invertébrés. J. B. Baillière, Paris. Mollusques, 38 pls. [included Foraminifera, Tunicata & Cirripidea] + Annelides pl. 3 [*Dentalium*]; Mollusques text [detailed pl. expl.], 64 p.; Annelides, 1844: 6-7 [for pl. 3]. Collation of pls. thanks to Neal L. Evenhuis. Deshayes was not involved with this work; it is listed here as the predecessor to Guerin-Meneville & Deshayes (1868) [see below], which contained new taxa by Deshayes. <https://doi.org/10.5962/bhl.title.10331>

Plates	Text Pages	Dates
Moll. 1	–	21 March 1829
Moll. 4	–	3 April 1830
Ann. 3	–	September 1831
Moll. 2-3, 5-38	–	Pre-21 March 1835
	Mollusques, 64 p. & Annelides, p. 6-7	August or September 1844

1830. — Tableau comparatif des espèces de coquilles vivantes avec les espèces de coquilles fossiles des terrains tertiaires de l'Europe, et des espèces de fossiles de ces terrains entr'eux. *Bulletin de la Société géologique de France* 1: 185-189. <https://www.biodiversitylibrary.org/page/52328622>

1830-1832 [EncyMeth]. — *Encyclopédie méthodique. Histoire naturelle des vers*. Veuve Agasse, Paris, 2 vols. Vol. 1: xviii + 757 p.; Vol. 2: vii + 256 + 594 p., fold-out table after p. 552; Vol. 3: 595-1152. Deshayes alone was responsible for volumes 2 and 3. Concerning: Sherborn & Woodward (1893, 1899, 1906b), Evenhuis (2003), Evenhuis & Petit (2003). <https://doi.org/10.5962/bhl.title.49857>

Volume	Pages	Date
2 (1)	vii + 1-256 p.	1 February 1830a
2 (2)	1-144	1 February 1830b
	145-594	29 September 1832
3	595-1152	29 September 1832

See also 1831d, below.

1831a. — Anatomie comparée de divers types de mollusques attribués au grand genre Hélice. Premier mémoire. Anatomie de l'*Helix putris*, Lin. (genre *Ambrette* des auteurs). *Annales des Sciences naturelles* 22: 345-354, pl. 9. <https://www.biodiversitylibrary.org/page/6096092>

1831b. — *Description de coquilles caractéristiques des terrains*. Levrault, Paris, vii + 264, 14 pls. <https://www.biodiversitylibrary.org/page/54124401>

1831c. — [Illustrations of various species]. *Magasin de Zoologie* 1 [for 1831] (1) [Classe V]: pls. 3, 4, 8, 10, 11, 13-16, 19, 21, 24, 26, 29-31, 35, 36, 39 (post-May). <https://www.biodiversitylibrary.org/page/37088748>

1831d. — *Considérations générales sur les mollusques*. Veuve Agasse, Paris, 308 p., 1 pl. [preprint of the general section on the molluscs from the *Encyclopédie méthodique* 2 (2): 471-553, along with the classification table as a plate; identical with this section with

- a short additional footnote on p. 1-2, making reference to the general section on Conchyliologie in the *Dictionnaire classique d'Histoire naturelle* Vol 4: 367-379, 1823].
1832. — Observations faites près d'Épernay. *Bulletin de la Société géologique de France* 2: 63-64. <https://www.biodiversitylibrary.org/page/53829176>
- 1832a. — [Illustrations of four species, two of them new]. *Magasin de Zoologie* 2 [for 1832] [Classe V]: pls 6, 7, 9, 10, with text. <https://www.biodiversitylibrary.org/page/37083552>
- 1832b [1832-?1834]. — *Mollusques*, in BÉLANGER C. (ed.), *Voyage aux Indes-Orientales, par le nord de l'Europe, les provinces du Caucase, la Géorgie, l'Arménie et la Perse, suivi de détails topographiques, statistiques et autres sur le Pégou, les îles de Java, de Maurice et de Bourbon, sur le Cap-de-Bonne-Espérance et Sainte-Hélène, pendant les années 1825, 1826, 1827, 1828 et 1829*. Vol. 2, Zoologie, A. Bernard, Paris: 403-440, 3 pls. <https://www.digitale-sammlungen.de/view/bsb10469043?page=443> (Dates from Sherborn & Woodward [1901b: 390, 494]: the molluscan text, Livraison 6 [p. 403-44], 1 December 1832; the corresponding plates were published in 1833 or 1834).
- 1833a. — [plates, pages & appendix on paleontology], in LYELL C. (ed.), *Principles of Geology, being an Attempt to Explain the Former Changes of the Earth's Surface, by Reference to the Causes now in Operation*. Vol. 3. J. Murray, London: xxvii-xxviii, 395-398, 1-60, pls 1-4 (May). <https://doi.org/10.5962/bhl.title.50860>
- 1833b. — [Catalogue des espèces de coquilles fossiles de la formation subapennine de la Morée], in BORY DE SAINT-VINCENT J. B. G. M. (ed.), *Expédition scientifique de Morée*. Vol. 2 [1833-1834] (2 – Géologie et Minéralogie). Levrault, Paris: 231-232. Date from Sherborn & Woodward (1901b: 335-336).
- 1833c. — Observations sur les Ampullaires, extraites d'une lettre adressée aux rédacteurs des *Annales des Sciences naturelles*. *Annales des Sciences naturelles* 29: 270-273. <https://www.biodiversitylibrary.org/page/6044820>
- 1833d ["1830"]. — Text (p. 66, in part) and pl. 65 on the Mollusca by Deshayes, in DE LABORDE L. & LINANT DE BELLEFONDS L. M. A. (1834). *Voyage de l'Arabie Pétrée*. Giard, Paris, [iv] + 87-[88] p., 69 pls. <https://gallica.bnf.fr/ark:/12148/bpt6k12905656>
- 1833e. — [Détermination des espèces], in BOUÉ A. (ed.), [Coquilles fossiles des terrains tertiaire d'Autriche]. *Bulletin de la Société géologique de France* 3: 124-129. <https://www.biodiversitylibrary.org/page/53826013>
1834. — Pl. 13, in LADOUCE J. C. F. (1834), *Histoire, topographie, antiquités, usages, dialectes des Hautes-Alpes, avec un atlas*. 2<sup>nd</sup> ed. Fantin, Paris, xvi + 664 p.; Atlas, 13 pls. <https://gallica.bnf.fr/ark:/12148/bpt6k9608853n>
- 1835a. — Détermination rectifiée d'une collection de fossiles tertiaires de la Podolie russe, envoyée à M. Boué par le professeur Andrzejowski. *Bulletin de la Société géologique de France* 6: 321-322. <https://www.biodiversitylibrary.org/page/53833905>
- 1835b. — [Mollusques], in BORY DE SAINT-VINCENT J. B. G. M. (ed.), *Expédition scientifique de Morée*. Vol.3 [1833-1835]. [Sciences Physiques] (1 – Zoologie), p. 81-203, iii, pls 18-26, 1 text fig. Date from Sherborn & Woodward (1901b: 335-336).
- 1835c. — Liste des fossiles du gravier coquillier de la Norvège. In: Keilhau M. Notice sur les tremblements [sic] de terre en Norvège. *Bulletin de la Société géologique de France* 7: 24-25. <https://www.biodiversitylibrary.org/page/53840868>
- 1835-1845 [HistNatAnim2]. — [Histoire des mollusques], in DESHAYES G.-P. & MILNE-EDWARDS H. (eds), *Histoire naturelle des animaux sans vertèbres, présentant les caractères généraux et particuliers de ces animaux, leur distribution, leurs classes, leurs familles, leurs genres, et la citation des principales espèces qui s'y rapportent; [...], 2<sup>nd</sup> ed., Revue et augmentée de notes présentant les faits nouveaux dont la science s'est enrichie jusqu'à ce jour*, Vols 6-11. Baillière, Paris & Londres. Underlying text from Lamarck's first edition, to which Deshayes added footnotes and additional text. The molluscan volumes are cited herein as just "Deshayes". <https://doi.org/10.5962/bhl.title.23116>

Volume	Pagination	Date
6	i-iv + 1-600 [p. 110 misnumbered as 101]	7 March 1835
7	i-vi + 1-735	23 January 1836
8	1-660	23 June 1838
9	1-728	18 November 1843
10	1-638, [639]	9 November 1844
11	1-390; 391-665 [Index 3 to all 11 vols.]	3 January 1845

The entire 2<sup>nd</sup> edition project was overseen by Deshayes & Milne-Edwards. The first five volumes were the following:

Volume	Pagination	Date [title p. date]
1 – Introduction, Infusoires	viii + 440 p.	7 March 1835
2 – Polypes	683-[684, Errata] p.	15 August 1835 ["1836"]
3 – Radiaires, Vers, Insectes	iv + 770 p.	8 February 1840
4 – Insectes	587 p.	2 January 1836 ["1835"]
5 – Arachnides, Crustacés, Annelides, Cirrhipèdes	699 p.	30 December 1837 ["1838"]

In addition to the molluscan volumes, Deshayes prepared footnotes to Lamarck's Introduction (Vol. 1: 11-325, 1835) other than those specifically identified as being by Lamarck as well as the Supplement at its end, p. 314-325.

1836-1845 [RegAnim]. — *Les mollusques, in Le règne animal distribué d'après son organisation, pour servir de base à l'histoire naturelle des animaux, et d'introduction à l'anatomie comparée, par Georges Cuvier. Edition accompagnée de planches gravées, [...]* Vol. 5. Fortin, Masson et Cie, Paris. Text: p. [1-3], 4-266-[267, one erratum], Bibliography 41-94. i-xxxvi. Plates later gathered in an Atlas: pls 1, 1a-f, 2-30, 30<sup>bis</sup>, 31-48, 48<sup>bis</sup>, 49-61, 61<sup>bis</sup>, 62-69, 69<sup>bis</sup>, 70-83, 83<sup>bis</sup>, 84-90, 90<sup>bis</sup>, 91-111, 111<sup>bis</sup>, 112-139. <https://doi.org/10.5962/bhl.title.62902>

Note:

The text has new footnotes, including references to the plates. There are both printed plate explanations and on-plate captions with scientific names; the plates are where the new species occur; no localities are provided for the species. Sets of four plates are bound in some copies after an even-numbered page.

Collation from the incomplete collations of Sherborn (1922) & Cowan (1976), plus first two volumes of USNM copy with pls bound after each livr., covering up to p. 168.

Livr.	Moll.	Text p.	Pls with text block	Known Date
2	1	1-16	5, 8, 19, 21	pre-9 June 1836
		9-16		pre-9 June 1836
				reprinted in October 1845 [see below]
		17-24	3, 6, 7, 13	September 1836
		25-32	14, 17, 46, 47	pre-6 June 1838
23	5	33-40	12, 18, 23, 43	pre-6 June 1838
		41-48	22, 25, 32, 36	pre-6 June 1838
		49-56	1, 2, 4, 10	pre-6 June 1838
		57-64	11, 27, 29, 52	pre-6 June 1838
		65-72	30, 44, 45, 48	pre-6 June 1838
		73-80	15, 33, 42, 56	pre-6 June 1838
		81-88	16, 31, 57, 63	pre-11 October 1838
		89-96	28, 55, 58, 62	pre-11 October 1838
		97-104	26, 41, 51, 68	pre-11 October 1838



Livr.	Moll.	Text p.	Pls with text block	Known Date
23 (cont.)	5	105-112 113-120 121-128 129-136 137-144 145-152 153-160 161-168 169-176 177-184 185-192 193-200	40, 49, 50, 65 53, 54, 75, 77 24, 61, 67, 79 20, 61 bis, 64, 73 59, 76, 82, 83 34, 35, 70, 74 80, 84, 116, 119 39, 48 bis, 78, 110	pre-11 October 1838 pre-16 April 1839 pre-16 April 1839 pre-4 June 1839 pre-10 August 1839 pre-9 January 1840 pre-6 October 1840 pre-2 July 1840 pre-6 October 1840 [stamped late, 1843] pre-3 July 1841 pre-3 July 1841
168	27	201-208 209-216 217-224 225-232	71, 103, 122, 127	pre-11 May 1843 pre-10 August 1843 pre-10 August 1843 pre-7 December 1843
182	32	233-240	90, 90bis, 100, 115	pre-7 December 1843
197	36	241-248	37, 93, 102, 134	pre-5 June 1844
199	37	249-256 249-256  257-263 264-266- [267]	123, 124, 135, 136	pre-5 June 1844 reprinted October 1845 [see below] pre-5 June 1844 pre-5 June 1844
190	34	Biblio 41-48	86, 94, 104, 105	
191	35	Biblio 49-56 i-xii xiii-xx xxi-xxviii	66, 98, 131, 133	pre-9 November 1841 pre-8 December 1842 pre-7 December 1843
179	31	xxix-xxxvi	88, 89, 106, 107	pre-7 March 1844
221	39	9-16, 249- 256 reprints, Biblio 65-94, ?title p.	Unassigned plates: 1 a-f, 9, 30 bis, 38, 60, 65, 69, 69bis, 72, 81, 83bis, 85, 87, 91-92, 95-97, 99, 101, 108-109, 111, 111 bis, 112- 114, 117-118, 120, 121, 125- 126, 128-130, 132, 127-139	Without other evidence, these plates have to be dated 1844

Note:

There was a “third ed.” produced in Bruxelles, Belgium, with a title page dated “1836”. Like the “third ed.” of Lamarck’s *Histoire naturelle des animaux sans vertèbres*, it was a cheap reprint, probably done later, and with an incorrect date. The molluscs were contained in Vol. 2: 1-111. According to the title page it also had the plates. We have not seen this reprint.

1836a. — Sur la classification des Térébratules. *Bulletin de la Société géologique de France* 7: 174-175. <https://www.biodiversitylibrary.org/page/53841020>

1836b. — Note sur le Cyrénoïde de M. de Joannis. *Magasin de Zoologie*, 5 [for 1836]: [6 p.], pl. 70 [with Joannis response]. <https://www.biodiversitylibrary.org/page/37121841>

1836c. — Appréciation de la température moyenne des époques géologiques des terrains tertiaires en Europe, au moyen de l’étude comparative des espèces vivantes et fossiles de coquilles. *Comptes Rendus hebdomadaires des Séances de l’Académie des Sciences* 2: 506-508. <https://gallica.bnf.fr/ark:/12148/bpt6k2961h/f510.item>

1836d. — Observations générales sur le genre Bélemnite. *Comptes Rendus hebdomadaires des Séances de l’Académie des Sciences* 3: 690-694. <https://gallica.bnf.fr/ark:/12148/bpt6k2962t/f594.item>

1836e. — Observations sur l’estimation de la température des périodes tertiaires en Europe, fondée sur la considération des coquilles fossiles. *Annales des Sciences naturelles (Zoologie)*, sér. 2, 5: 289-298 (May). <https://www.biodiversitylibrary.org/page/41873172>

1836f. — *Conchifera*, in TODD R. B. (ed.), *The Cyclopaedia of Anatomy and Physiology*. Vol. I. A-Dea. Sherwood, Gilbert & Piper, London: 694-716. <https://www.biodiversitylibrary.org/page/21560100>

1837. — Sur le Traité de la goutte et des maladies gouteuses par M. A. S. Turck. *Revue de Nord. Bulletin scientifique*, sér. 2, 4: 149-158. Retitled, re-typeset and partially rewritten as: 1838. *Analyse du Traité de la goutte, et des maladies gouteuses, du Docteur S. A. Turck*. L’Auteur, Paris, 29 p. Deshayes’ only medical paper, this is a review of a xxxii + 516 p. book by Sébastien Antoine Turck about gout, an arthritic disease involving uric acid in the blood.

1838. — *Note des publications faites par M. G.-P. Deshayes*. Bourgogne et Martinet, Paris, 8 p. (signed 4 August 1838).

1838a. — Description des coquilles fossiles recueillies en Crimée par M. de Verneuil, et observations générales à leur sujet. *Mémoires de la Société géologique de Paris* 3: 37-69, pls 1-6. <https://www.biodiversitylibrary.org/page/42370331>

VERNEUIL P. É. P. DE 1838. — *Mémoire géologique sur la Crimée*. F. G. Levrault, Paris: 1-36 (Mémoires de la Société géologique de Paris; 3) [p. 21 is a fold-out list of fossils]. The geological text has some footnotes by Deshayes discussing previously named species (p. 19-20) and with some new cephalopod species (p. 31-32, also listed as 1838a). <https://patrimoine.sorbonne-universite.fr/idurl/1/2966>

DESHAYES 1838b. — Notice sur plusieurs espèces d’hélices, confondues à tort par les auteurs. *Revue zoologique par la Société cuvierienne* 2 (2): 19 (February) [Preview of the next article]. <https://www.biodiversitylibrary.org/page/2328234>

1838c. — Notice sur l’*Helix labyrinthus* et quelques espèces voisines. *Magasin de Zoologie, Journal* 8 [for 1838] [Classe V]: 1-3, pl. 110-111. <https://www.biodiversitylibrary.org/page/37129039>

1838d. — Distribution des fossiles dans le sol secondaire. *Société philomatique de Paris, Procès-Verbaux de Séances for 1838*: 28-30. <https://www.biodiversitylibrary.org/page/31857941>

DESHAYES “1839” [1839-1843] [HistNatAnim3]. — [Histoire des mollusques], in DESHAYES G.-P. & MILNE-EDWARDS H. (eds), *Histoire naturelle des animaux sans vertèbres, présentant les caractères généraux et particuliers de ces animaux, leur distribution, leurs classes, leurs familles, leurs genres, et la citation des principales espèces qui s’y rapportent*; [...], 3<sup>rd</sup> ed., *Revue et augmentée de notes présentant les faits nouveaux dont la science s’est enrichie jusqu’à ce jour*. Vols 2-3. Meline, Cans et Co., Bruxelles. <https://doi.org/10.5962/bhl.title.46287>

Volume	Molluscan pages	Date
2	504-698	“1839” [possible]
3	1-756	“1839” [impossible, likely 1843]

Note:

The molluscan material in this retypeset “edition” is identical to that in the 2<sup>nd</sup>, with the addition of a long footnote by Deshayes on p. 504, 505 in Vol. 2 and revised indices at the end of each volume. The material on molluscs in Vol. 2 ends with *Etheria*, which is equivalent to the end of Vol. 6 in the 2<sup>nd</sup> ed., published

in 1835, so its exact date is of no consequence. Volume 3 ends with *Strombus*, which is equivalent to the end of Vol. 9 of the second edition, and evidently no more volumes were produced. Whereas Vol. 8 of the 2<sup>nd</sup> ed. was published in 1838, Vol. 9 was published in 1843, which would mean that this part of Vol. 3 of the 3<sup>rd</sup> ed. was nominally published before the same material in the 2<sup>nd</sup> ed. However, citations of other works indicate a later date. Iredale (1922) said he saw a version that was only issued in 1843, but he did not say what. The evidence thus points to a publication date of at least 1843 in spite of the title page date.

The total pagination of the three volumes is as follows:

Volume	Total Pagination	Title Page Date
1	677 pp.	"1837"
2	698 pp.	"1839"
3	764 pp.	"1839" [1843]

FÉRUSAC A. É. J. P. J. F. D'A. & DESHAYES G.-P. 1839-1851 [1819-1851] [HistNatTerrFluv]. — *Histoire naturelle générale et particulière des mollusques terrestres et fluviatiles tant des espèces que l'on trouve aujourd'hui vivantes, que des dépouilles fossiles de celles qui n'existent plus; classes d'après les caractères essentiels que présentent ces animaux et leurs coquilles*. 2 Vols [text], 2 Vols [atlas]. Baillière, Paris. <https://doi.org/10.5962/bhl.titl.124603>

Collation adapted from: Sherborn & Woodward (1901b), Connolly (1912), Bourguignat (1925) & Kennard (1942a-c), and with the further assistance of Massimo Cretella and Ruud Bank. Discussed by L. Pfeiffer (1851-1852).

Note:

Plates and their explanations listed here separately from text; for the latter and a repeat of the plate explanations, see below. Text of the Histoire

Vol./ Part	Livr.	Pages	Author	Date
1	30	1-24	Deshayes	1839
	31	25-40	Deshayes	1840
	35	41-104	Deshayes	February 1850
	36	105-176	Deshayes	February 1850
	37	177-248	Deshayes	18 May 1850
	38	249-312	Deshayes	10 Oct. 1850
	39	313-376	Deshayes	15 Nov. 1850
	40	377-400	Deshayes	1 January 1851
	42	400-402, v-vi	Deshayes	30 July 1851
			[Avertissement], vii-viii [Table des Matières]	
2 (1)	1	[3 p. Dedicacion], i-xvi [Préface]	Férussac	6 March 1819
	2	1-16	Férussac	5 June 1819
	3	17-56	Férussac	20 July 1819
	4	57-72	Férussac	18 Sept. 1819
	5	73-96	Férussac	4 Dec. 1819
	7	97-128	Férussac	17 June 1820
	9	i-xvi [Explication des planches du premier volume]	Férussac	6 April 1821
	17	i-v [Explication des planches supplémentaires et de celles qui ne font pas partie du premier volume]	Férussac	2 Nov. 1822

Vol./ Part	Livr.	Pages	Author	Date
2 (1)	19/21	96 <sup>a-z</sup> , 96 <sup>a-λ</sup>	Férussac	27 Sept. 1823
	22/27	i-iv [Explication des planches des livraisons XXII-XXVII]	Férussac	4 August 1832
	29	129-152	Deshayes	1839
	42	153-184, 96 <sup>1-24</sup>	Deshayes	30 July 1851
2 (2)	42	1-260, 1-22 [Explication des planches], 23-24 [Errata & Addenda]	Deshayes	30 July 1851

(1) Volume 2 (1) was published by Ferussac and started 20 years before Deshayes began the text of Volume 1. At the same time that Deshayes was authoring Volume 1, he also completed Volume 2 (1), continuing where Ferussac had left off, and Deshayes also authored 2 (2).

(2) Pages 96<sup>a-z</sup>, 96<sup>a-λ</sup>, and 96<sup>1-24</sup> were intended to be bound following page 96 of the text of Volume 2 (1), as supplements to the first 96 pages, and before page 97; this corresponds to the dividing line between slugs and shelled pulmonates.

Livr.	Plates	Author	Date
1	1, 2, 4, 8, 10, 12	Férussac	6 March 1819
2	3, 5-7, 11, 13	Férussac	5 June 1819
3		Férussac	10 July 1819
4	9, 15-17, 19, 23	Férussac	18 Sept. 1819
5	14, 18, 20, 22, 24, 25	Férussac	4 December 1819
6	21, 21A, 26-28, 30	Férussac	26 February 1820
7	29, 31-34, 57	Férussac	17 June 1820
8	52, "66" [= 76], 75, 91, 92, 103	Férussac	5 August 1820
9	8A, 39A, 54, 73, 112, 120	Férussac	6 April 1821
9	Explanation of pls 1-47 [p. i-xvi; rare]	Férussac	6 April 1821
10	"104" [= 32B], "107" [= 63A], 114, 115, 159	Férussac	26 May 1821
11	11A, 21B, 32A, 35, 39, 44	Férussac	13 July 1821
12	36, 38, 46, 81, 108, 118	Férussac	21 Sept. 1821
13	9A, 37, 40, 41, 43, 62	Férussac	10 Nov. 1821
14	8B, 8C, 25A, 42, 45, 47	Férussac	17 February 1822
15	7A, 25B, 59, 73A, 104, Fossiles 3 [genre Mélanopsites I]	Férussac	13 April 1822
16	"5A" [= 4A], 49, 53A, 58A, 60, 61	Férussac	13 July 1822
17	48, 53, 63, 75A, 75B, 113	Férussac	2 November 1822
17	Explanation to pls in livr. 1-16 [rare; p. i-v; quarto only]	Férussac	2 November 1822
18	58, 70, 78, 105, 110, 136	Férussac	1 March 1823
19	39B [originally to have been 36A], 49A, 54B, 119, 121, Fossiles 5 [genre Cyrene]	Férussac	27 Sept. 1823
20	77, 125, 127, 128, 131, Fossiles 2 [genre Nérites]	Férussac	27 Sept. 1823
21	"50" [= 50A], 51, 131A, 135, 145B, Fossiles 4 [genre Mélanopsites II]	Férussac	27 Sept. 1823
22	50, 54A, 56, 56A, 56B, 117	Férussac	4 August 1832
23	8D, 9B, 27A, 64, 66*, 124A	Férussac	4 August 1832
24	24A, 28B, 46A, 51A, 65, 68	Férussac	4 August 1832
25	67, 69, 69A, 140, 155, Fossiles 1 [genre Hélices]	Férussac	4 August 1832
26	71, 74, 79, 109, 142, 153	Férussac	4 August 1832
27	80, 82, 141A, 142B, 148, 163	Férussac	4 August 1832
22-27	Explanation to pls in livr. 22-27 [p. i-iv; quarto only]	Férussac	4 August 1832



Livr.	Plates	Author	Date
28	8E, 126, 131B, 133, 141, 147	Férussac	1832
29	8F, 10A, 17A, 28A, 83, 129	Deshayes	Post-15 June 1839
30	29A, 69C, 73B, 84, 106, 107	Deshayes	1839
31	10B, 69B, D-E, 69H, 72	Deshayes	1840
32	62A, 69F, 69G, 69K, 85, 86	Deshayes	1840
33	64A, 69I, 75C, 87, 127A, 127B	Deshayes	1840
34	"2" [= 89], "3" [= 90], "4" [= 55], 37A, 63B, 69J	Deshayes	1841
35	6 pls.	Deshayes	16 February 1850
36	6 pls.	Deshayes	16 February 1850
37	6 pls.	Deshayes	18 May 1850
38	6 pls.	Deshayes	10 October 1850
39	6 pls.	Deshayes	15 Nov. 1850
40	6 pls.	Deshayes	10 January 1851
41	5 pls.	Deshayes	1851
42	8 pls.	Deshayes	30 July 1851
42	Explanation to pls, Errata et addenda [p. 1-22, [23-24]]	Deshayes	30 July 1851

Notes:

Numbers in quotations are original plates numbers, later altered by Férussac as indicated.

Pls 19, 21, 22, 23, 126, 131B, 133 and 147 had legends with specific names in Latin; pls 11-14 and 54 had new sub-generic names in Latin. In these cases, names may be available from these captions even in not present or present only later in the text. The rest were in vernacular or were without legends. Some livraison covers may also have had captions with available names, although only a few of these have been retained and their contents taken into account.

\* Second pl. 66; first renumbered 76.

Pl. 36A was cited in the *Tableaux*, but this pl. was issued as 39B; no 36A was issued.

Bourguignat (1925) mistakenly listed 39B as "37B" [Livr. 19].

The following 49 plates are as yet unallocated: 88, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 104A, 107A, 108A, 108B, 108C, 110A, 110B, 111, 116, 122, 123, 124, 130, 132, 134, 137, 138, 139, 142A, 143, 144, 145, 145A, 146, 149, 150, 151, 152, 154, 156, 157, 158, 160, 161, 162, 164, 165, 166.

1839a. — Mémoire sur la famille des Pholadaires. *Annales des Sciences naturelles (Zoologie)* (2) 11: 240-274. <https://www.biodiversitylibrary.org/page/13394390>

1839b. — Nouvelle espèce d'Hélice. *Revue zoologique par la Société cuvierienne* 2 (8): 228-229 (August). <https://www.biodiversitylibrary.org/page/45301916>

1839c. — Nouvelle espèce de mollusque du genre Dauphinule. *Revue zoologique par la Société cuvierienne* 2 (9): 259-260 (September). <https://www.biodiversitylibrary.org/page/45301947>

1839d. — Nouvelles espèces de mollusques, provenant des côtes de la Californie, du Mexique, de Kamtschatka et de la Nouvelle-Zélande. *Revue zoologique par la Société cuvierienne* 2 (12): 356-361 (December). <https://www.biodiversitylibrary.org/page/45302044>

1839e. — [Illustrations of several species, all but one new]. *Magasin de Zoologie, d'Anatomie comparée et de Paléontologie*, sér. 2, 1: pls 5, 6, 7 with text. <https://www.biodiversitylibrary.org/page/39898454>

1839. — *Ossements et coquilles fossiles* (Ossements par Jean-Jacques Nicolas Huot; Coquilles d'après M. Deshayes). Saint-André-des-Arcs & "Tous les Libraires", Paris, 287 p.

1839-1846 [DictUniv] [1839-1849]. — [Various entries], in D'ORBIGNY C. D. V., *Dictionnaire universel d'histoire naturelle*. Vols 1-7 [A-L] only; Atlas [1849] mollusc pls 1-5, 8-13, 19-24 [no pls 6-7, 14-18 issued]; mollusk pl. expl. p. 5-10. Evenhuis (1990, but updated 2019) provided a detailed collation of the text of this set with the dates of issue of its feuilles. Vol. 1 was issued 1839-1841; Vol. 2, 1841-1842; Vol. 3, 1842-1843; Vol. 4, 1843-1844; Vol. 5, 1844-1845; Vol. 6, 1845; Vol. 7, 1845-1846. The plates were issued over this span of years, but there remains no information as to which plates came out when, so they all have to be dated as 1849. A list of the Deshayes entries in this set is given in Appendix 2. <https://doi.org/10.5962/bhl.title.60478>

1839-1858 [TraitElem]. — *Traité élémentaire de conchyliologie avec les applications de cette science à la Géologie*. Masson, Paris [pls 80, 86-87, 94-99 and 129-130 not published].

Vol. 1 (1): xii + 1-368 p., 9 fold-out tables. <https://doi.org/10.5962/bhl.title.123703>

Vol. 1 (2): 1-824 p. <https://doi.org/10.5962/bhl.title.125546>

Vol. 2: 1-384 p. <https://doi.org/10.5962/bhl.title.125542>

Atlas: 80 + [iii]-xi p., pls 1-79, 81-85, 88-93, 100-128, 131-132, 8 bis, 12 bis, 14 bis, 32 bis, 41 bis, 44 bis, 59 bis, 59 ter, 60 bis, 73 bis, 73 ter.

Collation from: Cox (1942).

Vol./Part	Livraisons and Feuilles (usually 16 pages per feuille)	Pages	Plates (incomplete)	Date
1 (1)	Livr. 1-3 (feuilles 1-17) and Livr. 8 (feuilles 18-23)	1-368, 9 fold-out tables	17-24	1839
		Title p. & Preface, i-xii		1853
1 (2)	Livr. 4-7 (feuilles 24-31) Livr. 9-13 (feuilles 32-52)	1-128 129-824	1-16, 25-77, 8bis, 14bis, 73bis, 104-117, 119-122	1839 April 1850*
2	Livr. 14 (feuilles 1-12) Livr. 15 (feuilles 13-25)	1-194 195-384		1857 1858
Atlas:		1-24		1839
Explication des planches		25-48 49-80		1850 1853
Appendice à l'Explication des planches		i-iv v-xi		1850 1857

Note:

Plates not fully yet included in collation but did not have on-plate captions.

\*Pacaud (2008) determined that Livraisons 9-13 were issued before April 1850.

Atlas reprinted in 1864 as *Atlas de conchyliologie, représentant 1800 coquilles vivantes et fossiles*, xi + 80 p., 132 p., Victor Masson et Fils, Paris.

1840. — [Illustrations of several species]. *Magasin de Zoologie, d'Anatomie comparée et de Paléontologie*, sér. 2, 2: pl. 12-22, with text. <https://www.biodiversitylibrary.org/page/2353528>

1841. — [Illustrations of several species]. *Magasin de Zoologie, d'Anatomie comparée et de Paléontologie*, sér. 2, 3: pls 25-30, 34-48, with text. <https://www.biodiversitylibrary.org/page/50543774>
- 1843a. — Quelques observations sur les Ongulines. *Annales des Sciences naturelles (Zoologie)* 19: 5-11 [no species mentioned]. <https://www.biodiversitylibrary.org/page/13402986>
- 1843b. — [Illustrations of several species]. *Magasin de Zoologie, d'Anatomie comparée et de Paléontologie*, sér. 2, 5: pl. 79-82. <https://www.biodiversitylibrary.org/page/2353710>
- 1843c. — Remarques sur un mémoire de M. Alc. d'Orbigny, intitulé: Observations sur la station normale des mollusques bivalves. *Comptes Rendus hebdomadaires des Séances de l'Académie des Sciences* 17: 1333-1334. <https://gallica.bnf.fr/ark:/12148/bpt6k2976b/f1345.item>
- 1843d. — [Fossil species]. P. 1-2, footnote [reprint of Deshayes treatment of *Clavagella* in the *Traité élémentaire de conchyliologie* 1(2), 1839], 4-5, pls 2-3, in Frédéric Cailliaud, "G. *Clavagella*. Clavagelle. Lamarck", in CHENU J. C. (ed.), *Illustrations conchyliologiques ou description et figures de toutes les coquilles connues vivantes et fossiles, classées suivant le système de Lamarck* [...]. Parts 12-15. Franck, Paris, 5 p., 3 pls.
- 1844a. — Observations critiques sur les "Considérations sur la station normale des animaux bivalves". *Bulletin de la Société géologique de France*, sér. 2, 1: 105-114, 274-284 [retitled reprint, p. 1-20]. <https://www.biodiversitylibrary.org/page/54849197>
- 1844b. — Observations sur les rudistes. *Bulletin de la Société géologique de France*, sér. 2, 1: 518-523. <https://www.biodiversitylibrary.org/page/54849624>
- 1844c. — Sur les fossiles des Pyrénées. *Bulletin de la Société géologique de France*, sér. 2, 1: 576-579. <https://www.biodiversitylibrary.org/page/54849684>
- 1844d. — [Illustrations of several new species]. *Magasin de Zoologie, d'Anatomie comparée et de Paléontologie*, sér. 2, 6 [for 1844]: pls 83-86, 99-101, 105-109 [an 8 p. separate was produced from this covering *Cardilia*, which is present in at least one library]. <https://www.biodiversitylibrary.org/page/2353692>
- 1844e. — Sur la structure intime du ligament dans les coquilles bivalves. *Société philomatique de Paris, Procès-Verbaux de Séances for 1844*: 94-96. <https://www.biodiversitylibrary.org/page/31084973>
1845. — Recherches sur la circulation dans le lavignon de Cuvier. *Société philomatique de Paris, Procès-Verbaux de Séances for 1845*: 71-74. <https://www.biodiversitylibrary.org/page/31082654>
- DESHAYES G.-P. & MENKE K. T. 1845. — Kritik und Antikritik die Deshayes'sche Ausgabe von Lamarck's *Histoire naturelle des animaux sans vertèbres* betreffend. *Zeitschrift für Malakozoologie* 2 (1): 1-14 [a peculiar publication – Menke wrote a critical review of the Deshayes edition of Lamarck in vol. 1 of this journal, so Deshayes submitted a rebuttal in French. Menke, in turn, added his rebuttal to the rebuttal by means of 24 footnotes written in German. So, the paper has the text in French, the footnotes in German]. <https://www.biodiversitylibrary.org/page/16291589>
- 1845-1848 [Algér]. — *Histoire naturelle de mollusques* [...] Tome premier. *Mollusques acéphalés. Exploration scientifique de l'Algérie pendant les années 1840, 1841, 1842. Sciences physiques. Zoologie 1*. Imprimerie nationale, Paris, Text: xx + 609 p.; Atlas: 160 p., 150 irregularly numbered pls. Collation modified from Faber (2009). Concerning this overall expedition and publication, see Evenhuis (2012). <https://www.biodiversitylibrary.org/page/46110371>

Livr.	Text Pages	Atlas Pages	Plates [as originally numbered, variously using roman and Arabic numerals]	Date	Notes
1	i-xx, 1-16	1-8	i-v, x	1845	
2	17-32	9-12	26-29, 69, 71	1845	pl. 27 is <i>Maetra</i>
3	33-64	13-20	11, 30, 66, 70, 72, 73	1845	

Livr.	Text Pages	Atlas Pages	Plates [as originally numbered, variously using roman and Arabic numerals]	Date	Notes
4	65-96		39, 41, 42, 44, 45, 49	1846	
5	97-112		46, 50-53, 56	1846	
6			4a, 23, 25, 55, 60, 62	1846	
7			21, 24, "27" [= 25B], 48, 63, 68	1846	misnumbered pl. 27 is <i>Lyonsia</i>
8	113-136	21-24	25A, 54, 58, 64, 67, 79	1846	
9	137-184		32, "69" [= 59], "71" [= 61], 75, 78, 82	1846	
10		25-56	9D, 31, 33, 43, 47, 81	1846	
11	185-216		4B, 9E, 35, 57, 74, 80	1846	
12	217-240	57-64	9c, 9g, 9i, 36, "43" [= 43A], 85	1846	
13	241-272	65-72	7, 8, 9f, 19b, 34, 93	1846	
14	273-304	73-76	ix-h, "xi" [= xl], xix-c, xcvi, xcvi, xcix	1846	
15	305-344		18a, 19a, 86, 90, 94, 97	1846	
16	345-376	77-84	9, 13, 16, 76a, 102, 104	1848	
17	377-408	85-92	"9" [9A], 17, 18, 77, 89, 92	1848	
18	409-440	93-100	12, 19, 83, 96, 105, 106	1848	
19	441-472		6, 18c, 30a, 84, 94a, 107, 84	1848	
20	473-512		14, 15, 22, 25c, 87, 103	1848	
21	513-528	101-124	18b, 65, 111, 112, 114, 117	1848	
22	529-552	125-132	37, 77a, 100, 101, 109, 118	1848	
23	553-576	133-140	20, 108, 110, 113, 116, 123	1848	
24	577-600	141-148	119, 121, 124, 125, 139, 142	1848	
25	601-609	149-160	115, 126, 130, 134, 135, 143	1848	

Plates in numerical order: i, ii, iii, iv, 4a, 4B, v, 6, 7, 8, 9, "9" [= 9A], 9c, 9D, 9E, 9f, 9g, ix-h, 9i, x, 11, "xi" [= xl], 12, 13, 14, 15, 16, 17, 18, 18a, 18b, 18c, 19, 19a, 19b, xix-c, 20, 21, 22, 23, 24, 25, 25A, 25B [as "27"], 25c, 26, 27, "27" [= 25B], 28, 29, 30, 30a, 31, 32, 33, 34, 35, 36, 37, 39, xl [as "xi"], 41, 42, 43, "43" [= 43A], 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59 [as "69"], 60, 61 [as "71"], 62, 63, 64, 65, 66, 67, 68, 69, "69" [= 59], 70, 71, "71" [= 61], 72, 73, 74, 75, 76a, 77, 77A, 78, 82, 79, 80, 81, 83, 84, 85, 86, 87, 89, 90, 92, 93, 94, 94a, xcvi, 96, 97, xcvi, xcix, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 121, 123, 124, 125, 126, 130, 134, 135, 139, 142, 143.

Plate numbers not used: 9B, 27A, 38, 76, 88, 91, 120, 122, 127-129, 131-133, 136-138, 140, 141.

Plate explanation ends at page 160 with the explanation to Plate 77A.



Note:

Deshayes intended to contribute a chapter on fossil molluscs to the Géologie volume of the Algérie series, but his participation ended before it was prepared. The second title page to the Géologie text lists his prospective chapter, resulting in some library catalogue entries under his name for something that was never written.

- 1846a. — Examen anatomique du gastrochène de la Méditerranée (*Gastrochaena dubia*). *Comptes Rendus hebdomadaires des Séances de l'Académie des Sciences* 22: 37-38. <https://gallica.bnf.fr/ark:/12148/bpt6k29798/f41.item> [Summary in *Revue zoologique par la Société cuvierienne* 9 (1): 28-29 (January 1846); German version: *Froriep's Neue Notizen aus dem Gebiete des Natur- and Heilkunde* 37: cols 101-103, 1846].
- 1846b. — Sur l'organisation des animaux du genre Taret. *Comptes Rendus hebdomadaires des Séances de l'Académie des Sciences* 22: 298-301. [Summary in *Revue zoologique par la Société cuvierienne* 9 (2): 79; German version: *Froriep's Neue Notizen aus dem Gebiete des Natur- and Heilkunde* 37: cols. 321-324, 1846]. <https://gallica.bnf.fr/ark:/12148/bpt6k29798/f302.item>
1849. — Sur les rudistes. *Bulletin de la Société géologique de France*, sér. 2, 6: 285-288 [review of a work by Saemann]. <https://www.biodiversitylibrary.org/page/54382061>
- 1850a. — Quelques observations au sujet de la perforation des pierres par les mollusques. *Journal de Conchyliologie* 1 (1): 22-34 (15 February). <https://www.biodiversitylibrary.org/page/25135821>
- 1850b. — [Review of] Natural history of New-York, Paleontology of New-York by Hall. *Journal de Conchyliologie* 1 (2): 201-214 (15 April). <https://www.biodiversitylibrary.org/page/25136019>
- 1850c. — [Review of two papers on brachiopods]. *Journal de Conchyliologie* 1 (4): 418, 419 (15 December). <https://www.biodiversitylibrary.org/page/25136236>
1851. — Observations sur le *Sphaerulites calceoloides* Des Moulins. *Bulletin de la Société géologique de France*, sér. 2, 8: 127-131. <https://www.biodiversitylibrary.org/page/54365420>
- 1851-1856. — [Some new species], in WATELET A. (ed.), *Recherches dans les sables tertiaires des environs de Soissons*. Société historique, archéologique et scientifique de Soissons, Fleury & Chevergnay, Laon. Fasc. 1: [3]-15, pls 1-2 - 1851; Fasc. 2: [17]-28, pls 1-2 - 1853; Fasc. 3: [5]-34 [Catalogue de Fossiles] - 1855; Fasc. 4: [3]-19 [Sables tertiaires inférieurs du Bassin de Paris] - 1856 [contains species by both Watelet and by Deshayes] [reprinted in 2012]. <https://doi.org/10.5962/bhl.title.13957>
- 1853a. — *Catalogue of the Conchifera or Bivalve Shells in the Collection of the British Museum*. Part 1. *Veneridae, Cyprinidae and Glauconomidae*. Taylor & Francis, London, [ii] + 216 p. [introduction by Gray J. E.] (27 June) [concerning this and other BMNH catalogues: Kabat (1989)]. <https://www.biodiversitylibrary.org/page/12433068>
- 1853b. — Note sur quelques fossiles rapportés par M. Morelet du Yucatan (Amérique centrale). *Bulletin de la Société géologique de France*, sér. 2, 10: 506-511. <https://www.biodiversitylibrary.org/page/54358567>
- 1854a. — Descriptions of twenty new species of the genus *Cardita*, from the collection of Hugh Cuming, Esq. *Proceedings of the Zoological Society of London for 1852* [20] (244): 100-103, Mollusca, pl. 17 (23 May). <https://www.biodiversitylibrary.org/page/30680720>
- 1854b. — Descriptions of new species of shells in the collection of Mr. Cuming. *Proceedings of the Zoological Society of London for 1853* [21] (248): 1-11, pls 18-19 (27 June). <https://www.biodiversitylibrary.org/page/30747116>
- 1854c. — Descriptions of fourteen new species of *Mactra* in the collection of Mr. Cuming. *Proceedings of the Zoological Society of London for 1853* [21] (248): 14-16 (27 June); (249): 17 (13 July). <https://www.biodiversitylibrary.org/page/30747131>
- 1854d. — Descriptions of two new species of *Clementia*, in the collection of Hugh Cuming, Esq. *Proceedings of the Zoological Society of London for 1853* [21] (249): 17-18 (13 July). <https://www.biodiversitylibrary.org/page/30747134>
- 1854e. — Observations sur les animaux de quelques genres de Mollusques acéphales (*Chamostrea, Glauconome, Circe* et *Capsa*). *Proceedings of the Zoological Society of London for 1853* [21] (258): 167-173, pl. 21 (15 December) [concerning: P. Fischer, 1856]. <https://www.biodiversitylibrary.org/page/30747312>
- 1854f-1855a. — Descriptions of new species of shells from the collection of H. Cuming, Esq. *Proceedings of the Zoological Society of London for 1854* [22] (260): 13-16 (30 December 1854); (261): 17-23 (10 January 1855). <https://www.biodiversitylibrary.org/page/30747382>
- 1855b. — Descriptions of new species of shells, from the collection of Hugh Cuming, Esq. *Proceedings of the Zoological Society of London for 1854* [22] (263): 62-64 (10 January); (264): 65-72 (10 February). <https://www.biodiversitylibrary.org/page/30747443>
- 1855c. — Descriptions of new shells from the collection of Hugh Cuming, Esq. *Proceedings of the Zoological Society of London for 1854* [22] (279): 317-320 (8 May); (280): 321-336, (281): 337-352, (282): 353-368, (283): 369-371 (last four all 16 May). <https://www.biodiversitylibrary.org/page/30747744>
- 1855d. — *Catalogue of the Conchifera or Bivalve Shells in the Collection of the British Museum*. Part II. *Petricoladae (concluded); Corbiculadae*. Taylor & Francis, London: 217-292 (12 May) [title page dated "1854"]. <https://www.biodiversitylibrary.org/page/11665751>
- 1855e. — Quelques observations au sujet de la famille des rudistes de Lamarck. *Bulletin de la Société géologique de France*, sér. 2, 12 (2): 947-960. <https://www.biodiversitylibrary.org/page/54371061>
- 1855f-1856a. — Sur le genre *Galeomma*. *Proceedings of the Zoological Society of London for 1855* [23] (294): 167-168 (18 December 1855); (295): 169-171 (5 January 1856). <https://www.biodiversitylibrary.org/page/30748064>
- 1856a. — *Ma correspondance avec M. Melleville*. L. Martinet, Paris, 11 p., including initial letter by Deshayes (p. 1-2, April 6, 1856), response from M. Melleville (p. 2-5, May 5, 1856), and subsequent rebuttal by Deshayes (p. 5-11, September 25, 1856). Melleville (1858) later published a further response to the latter (28 p.).
- 1856b. — Sur le genre *Scintilla*. *Proceedings of the Zoological Society of London for 1855* [23] (295): 171-181 (5 January). <https://www.biodiversitylibrary.org/page/30748068>
- 1856c. — Descriptions de nouvelles espèces du genre *Erycina*. *Proceedings of the Zoological Society of London for 1855* [23] (295): 181-183 (5 January). <https://www.biodiversitylibrary.org/page/30748078>
- 1856d-1857a. — Description d'espèces nouvelles. *Journal de Conchyliologie* 5 (1): 78-82, pl. 3 [part] (July 1856); 5 (4): 419 (pl. expl.) (April 1857). <https://www.biodiversitylibrary.org/page/15862137>
- 1856e. — Description d'une nouvelle espèce de *Ficus*. *Journal de Conchyliologie* 5 (2): 184-185, pl. 6 [part] (November). <https://www.biodiversitylibrary.org/page/15862243>
- 1856f. — Sur la prétendue perforation des roches par les oursins. *Bulletin de la Société géologique de France*, sér. 2, 13: 46-50. <https://www.biodiversitylibrary.org/page/54401688>
- 1856g. — Philosophie zoologique. De l'espèce. *Journal de Conchyliologie* 5 (2): 197-224 (November) [also reprinted as a separate, 1856, Tinterlin, Paris, 28 p.]. <https://www.biodiversitylibrary.org/page/15862256>
- 1856h. — *Funérailles de M. Constant Prévost, 20 août 1856; Discours*. F. Didot frères, fils et Cie, Paris, 11 p.
- 1856-1866 [DescrCoqFoss]. — *Description des animaux sans vertèbres découverts dans le bassin de Paris pour servir de supplément à la description des coquilles fossiles des environs de Paris comprenant une revue générale de toutes les espèces actuellement connues*. Baillièere & Fils, Paris; Baillièere, Londres; Baillièere Brothers, New-York. Vol. 1 [Bivalves]: [i] + 912 p. ["1860"]. Vol. 2 [Bivalves, Brachiopods, Gastropods]: 968 p. ["1864"]. Vol. 3 [Gastropods, Cephalopods]:

668 p. [actually 678 p.] ["1866"]. Vol. 1 [Plates]: 88 p., 87 pls. ["1860"; covers through brachiopods]. Vol. 2 [Plates]: 107 p., 107 pls. ["1866"]. Collation on p. 668 of text vol. 3. <https://doi.org/10.5962/bhl.title.51674>

Livr.	Text (Vol.)	Pagin.	Atlas (Vol.)	Pl. expl. pp.	Plates	Dates
1, 2	1	1-80	1	1-10	1-10	2 Nov. 1856
3, 4		81-160		11-20	11-20	28 Feb. 1857
5, 6		161-240		21-30	21-30	19 May 1857
7, 8		241-312		31-40	31-40	17 July 1857
9, 10		313-392		41-48**	41-48**	24 Sept. 1857
				11bis-ter	11 bis	1857
11, 12		393-480		49**	49**	22 Feb. 1858
				16 bis-ter	16 bis	
13, 14		481-552		59-68	59-68	12 May 1858
15, 16		553-624		69-76***	69-78	28 Aug. 1858
				81-82		
17, 18		625-704		83-88	79-87	16 Nov. 1858
19, 20		705-912				12 July 1860
21, 22	2	1-120	2	1-5	1-5	24 Jan. 1861
23, 24		121-192		6-15	6-15	22 May 1861
25, 26		193-312		16-20	16-20	30 July 1861
27, 28		313-432		21-26	21-26	20 Nov. 1861
29, 30		433-544		27-31	27-31	31 May 1862
31, 32		545-640		32-39	32-39	15 Nov. 1862
33, 34		641-736		40-46	40-46	2 June 1863
35, 36		737-824		47-54	47-54	5 Aug. 1863
37, 38		825-920		55-62	55-62	1 Nov. 1863
39, 40		921-968		63-70	63-70	2 May 1864
	3	1-40				
41, 42		41-120		71-78	71-78	20 June 1864
43, 44		121-200		79-85	79-85	9 Sept. 1864
45, 46		201-288		86-93	86-93	2 Jan. 1865
47, 48		289-424		94-100	94-100	10 June 1865
49, 50		425-668		100-107	100-107	15 Dec. 1865
		[p. 567-576 duplicated]*				
Bound Vols						1866

\*Starting with p. 577, pagination off by 10 digits, so page 577 was numbered as 567, and this new pagination continued to the end of the volume. Thus, there were two each of pages 567-576. The index made no notice of this and used the page numbers as printed. The last page was noted in original collation as p. "658", whereas 668 was intended. However, the total number of pages was 678.

\*\*Break in original collation ended on an odd-numbered p./pl., 49, which would have had p. 50 printed on the obverse; fixed here to be more logical as ending with p./pl. 48.

\*\*\*There were no p. 77-80 in the bivalve pl. explanations; p. 81-87 cover pls 77-87.

Gastropod plates 19, 30, 57 and 96 colored in some copies.

1857b. — Note sur l'animal des *Cumingia*. *Journal de Conchyliologie* 5 (3): 278-282, pl. 8 [part] (January). <https://www.biodiversitylibrary.org/page/15862337>

1857c. — Note sur un nouveau genre de limacine fossile. *Journal de Conchyliologie* 5 (3): 283-289, pl. 7 [part] (January) [followed by a note by Fischer, p. 290-291, describing another species of Deshayes' new genus, figured on same pl.]. <https://www.biodiversitylibrary.org/page/15862342>

1857d. — Description d'espèces nouvelles du genre *Terebra*. *Journal de Conchyliologie* 6 (1): 65-102, pls 3-5 (July). <https://www.biodiversitylibrary.org/page/15862590>

1857e. — Note sur une nouvelle Lucine, et description de l'espèce. *Journal de Conchyliologie* 6 (1): 104-107, pl. 2 [part] (July); (4): 404 (pl. expl.) (December). <https://www.biodiversitylibrary.org/page/15862629>

1857f. — Note sur différents mollusques de la Guadeloupe, envoyés par M. Schramm. *Journal de Conchyliologie* 6 (1): 137-143 (July). <https://www.biodiversitylibrary.org/page/15862662>

1858. — M. Deshayes donne lecture de la lettre suivant qui lui a été adressée par M. de Saint-Marceaux. *Bulletin de la Société géologique de France*, sér. 2, 15: 551-555. <https://www.biodiversitylibrary.org/page/54405241>

1859. — A general review of the genus *Terebra*, and a description of new species. *Proceedings of the Zoological Society of London for 1859* [27] (2): 270-321 (Oct). Concerning: Reeve (1860a), Tomlin (1944). <https://www.biodiversitylibrary.org/page/32274680>

1860a. — Note sur quelques espèces de térébratules. *Journal de Conchyliologie* 8 (3): 305-308 (July). <https://www.biodiversitylibrary.org/page/15863738>

1860b. — Description d'une nouvelle espèce d'Isocarde fossile des terrains secondaires de la Sarthe. *Journal de Conchyliologie* 8 (3): 327-328, pl. 10 [part] (July). <https://www.biodiversitylibrary.org/page/15863760>

1860c. — Descriptions d'espèces fossiles nouvelles. *Journal de Conchyliologie* 8 (4): 381-385, pl. 14 (October). <https://www.biodiversitylibrary.org/page/15863814>

1861. — Analyse d'un travail de M. Ed. [Édouard] Sues sur les brachiopodes de la collection de Vienne. *Bulletin de la Société géologique de France*, sér. 2, 18: 163-168. <https://www.biodiversitylibrary.org/page/54466291>

1861a. — Études sur les lucines. *Journal de Conchyliologie* 9 (4): 317-333, pl. 13, 14 (18 October). <https://www.biodiversitylibrary.org/page/15608422>

1861b. — Description de deux espèces nouvelles. *Journal de Conchyliologie* 9 (4): 348-351, pl. 16 [part] (18 October). <https://www.biodiversitylibrary.org/page/15608453>

1861c. — Distribution des mollusques acéphalés dans le bassin tertiaire de Paris. *Bulletin de la Société géologique de France*, sér. 2, 18: 370-388. <https://www.biodiversitylibrary.org/page/54466724>

1862. — Observations au sujet de la monographie des céphalopodes de la craie supérieure du Limbourg, par M. de Binkhorst. *Bulletin de la Société géologique de France*, sér. 2, 19: 1002-1004. <https://www.biodiversitylibrary.org/page/54763568>

1863. — *Catalogue des mollusques de l'Île de la Réunion (Bourbon)*. Dentu, Paris, 144 p., pls 1-14 [28-41]. Annexe E, in Maillard L. *Notes sur l'Île de la Réunion*. This chapter was scheduled to appear in Vol. 2 of Maillard's 1862 work on Réunion, but it was not ready, so it appeared only as this separate publication. It was reviewed by H. Crosse in the *Journal de Conchyliologie* 11 (4): 394-401, issued on 17 October 1863. <https://doi.org/10.5962/bhl.title.13126>

1864. — Description of *Planorbis duveyrieri* Deshayes, in DUVEYRIER H. (ed.), *Exploration du Sahara. Les Touareg du Nord*. Challamel Ainé, Paris: 44-45, pl. 3, fig. 1, frontispiece, dedication + xxxv + 1-499, [500-501] p., 25 pls; Supplément, [i] + 1-37-[38-39], incl. 31 pls, 1 fold-out map [Supplement includes J.-R. Bourguignat, Mollusques terrestres et fluviatiles recueillis par M. Henri Duveyrier dans le Sahara [...], p. 3-30, pls 26-28, published simultaneously and also covering this species, p. 25-26, 30, pl. 27, fig. 6]. <https://gallica.bnf.fr/ark:/12148/bpt6k104859w.image>

1865. — Pls 4 & 11, in "Alfred Frédo!" [pseudonym for Christian Horace Bénédicte Alfred Moquin-Tandon], 1865. *Le monde de la mer*. Hachette, Paris, vii + 632 p., 21 pls. [Préface dated November 1864; reviewed by Crosse H. & Fischer P. in the *Journal de Conchyliologie* 13 (1): 89-92, issued 27 January 1865; Deshayes help acknowledged on p. vi, 217 & 271].



- 1865a. — Catalogue de la première série des animaux mélagrinicoles, in DE FOLIN A. G. L. (ed.), Des perforations de la pintadine mère-perle. *Actes de la Société linnéenne de Bordeaux* 25 (3) 5 (4): 345-347 (15 May). <https://www.biodiversitylibrary.org/page/34076168>
- 1865b. — Note sur le genre *Trochotoma* et description d'une espèce nouvelle des sables de Bordeaux. *Journal de Conchyliologie* 13 (2): 230-237, pl. 7 [part] (4 April) [followed by a comment by Crosse about this paper, p. 237-239]. <https://www.biodiversitylibrary.org/page/15133841>
- 1866a. — Note au sujet de l'animal du *Bulimus cantagallenus* Rang. *Actes de la Société linnéenne de Bordeaux* 25 (3) 5 (6): 483-485 (15 June). <https://www.biodiversitylibrary.org/page/34076312>
- 1866b. — Considérations sur les fossiles marins recueillis dans le gypse des environs de Paris. Observations de MM. Ed. Hébert & Guyard. *Bulletin de la Société géologique de France*, sér. 2, 23: 327-339, pl. 7. [Also issued as a separate reprint of 19 p., 1 pl., reviewed by Crosse H. in the *Journal de Conchyliologie* 15 (4): 465-466, 1867]. <https://www.biodiversitylibrary.org/page/54700957>
- 1867a. — *Limnaea haldemani* nom. nov., in BINNEY W. G. (ed.), Notes sur quelques espèces de mollusques fluviatiles de l'Amérique du Nord. *Journal de Conchyliologie* 15 (4): 428. <https://www.biodiversitylibrary.org/page/15382359>
- 1867b. — [One description], in DE FOLIN A. G. L. (ed.), Les mélagrinicoles. Espèces nouvelles. *Recueil des Publications de la Société havraise d'Études diverses* 33 [for 1866]: 41-112, 6 pls [repr.: p. 1-74, 6 pls]. <https://gallica.bnf.fr/ark:/12148/bpt6k56629158/f63.item>
- GUÉRIN-MÉNEVILLE F.-É. & DESHAYES G. P. 1868. — *Les mollusques décrits et figurés d'après la classification de Georges Cuvier mis au courant des progrès de la science. XXXVI planches représentant, en 520 figures dessinées d'après nature et gravées sur cuivre, les espèces les plus remarquables de ces animaux, avec un texte descriptif*. J. B. Baillièrre et fils, Paris, 74-[75] p., 36 pls. Published anonymously; plates mostly identical to those in Guérin-Méneville's *Iconography* (1829-1844), but with most plate numbers shifted down by one, following deletion of a plate of Foraminifera; pl. 2 redone to omit other forams and now featuring living and fossil cephalopods. The short on-plate captions in the *Iconography* were removed, and longer ones on separate pages interleaved, retypeset from the separate plate explanations in the *Iconography*; pl. 36 on *Dentalium* corresponds to pl. 3 of the Annélides in the *Iconography*. Some species had changed names, undoubtedly with Deshayes' involvement. See entry above for the original *Iconography* by Guérin-Méneville. See also discussion in Petit & Coan (2008). <https://doi.org/10.5962/bhl.title.11230>
- 1870a. — Rapport de M. le Professeur Deshayes sur une encrine vivante donnée au Muséum par M. Schramm, inspecteur des douanes à la Guadeloupe. *Nouvelles Archives du Muséum d'Histoire naturelle de Paris* 6: 3-6. <https://www.biodiversitylibrary.org/page/13959254>
- 1870b. — Diagnoses d'espèces nouvelles de mollusques terrestres et fluviatiles de la principauté de Moupin, Thibet oriental envoyées au Muséum d'Histoire naturelle de Paris par M. l'Abbé Armand David missionnaire. *Nouvelles Archives du Muséum d'Histoire naturelle de Paris* 6: 19-27 [p. 28, corrections to maps by A. David published elsewhere]. <https://www.biodiversitylibrary.org/page/13957477>
- 1870c. — Description de quelques animaux de la famille des trochides des côtes l'Algérie. *Annales de Malacologie* 1 (1): 5-19, pl. 1, 2. [figures of living animals of previously described species] <https://www.biodiversitylibrary.org/page/16253037>
- MILNE-EDWARDS A., BLANCHARD É. & DESHAYES G.-P. 1871. — Rapport sur les dégâts occasionnés dans le département zoologique du Muséum d'Histoire naturelle par le bombardement de cet établissement scientifique par les Prussiens. *Nouvelles Archives du Muséum d'Histoire naturelle de Paris* 6: 29-32. <https://www.biodiversitylibrary.org/page/13961508>
1871. — Rapport sur l'état actuel des collections dépendant de la chaire des Mollusques, Annélides, Vers et Zoophytes. *Nouvelles Archives du Muséum d'Histoire naturelle de Paris* 7: 67-74. Reprinted as an 8-p. brochure, 1872, which was reviewed by Crosse H. in the *Journal de Conchyliologie* 21 (4): 361-362 (October 17, 1873).
1873. — Muséum d'Histoire naturelle de Paris. Zoologie (annélides, mollusques, zoophytes). Cours de M. Deshayes. Leçon d'ouverture. Histoire de conchyliologie. *Revue scientifique de la France et de l'Étranger. Revue de Cours scientifiques* (2<sup>nd</sup> sér.) 3 (1): 1-9 (5 July). Reviewed by Crosse H. in the *Journal de Conchyliologie* 21 (4): 385-386 (17 October 1873). <https://gallica.bnf.fr/ark:/12148/bpt6k2150814/f4.item>
- 1874a. — Description d'un cône nouveau des Antilles. *Journal de Conchyliologie* 22 (1): 62-66, pl. 1 (21 January). <https://www.biodiversitylibrary.org/page/15661782>
- 1874b. — Description de quelques espèces de mollusques nouveaux ou peu connus envoyés de la Chine par M. l'Abbé A. David. *Bulletin des Nouvelles Archives du Muséum d'Histoire naturelle de Paris* 9: 3-14, pls 1-3. Some of the species that Deshayes redescribed and illustrated here were first described in Deshayes (1870b). Deshayes (1874b: 12) incorrectly stated that they were described in vol. 8 of this serial, starting on p. 11, an error for vol. 6: 19-27). This article was reviewed by Crosse (1874), therefore, pre-1 August. <https://doi.org/10.5962/bhl.title.13038>
1875. — Observations sur les animaux de deux nayades asiatiques. *Journal de Conchyliologie* 23 (1): 81-84; footnote by H. Crosse extending onto p. 85 (5 March). <https://www.biodiversitylibrary.org/page/15674615>
- 1876 ["1874"]. — Description de quelques espèces de mollusques nouveaux ou peu connus envoyés de la Chine par M. l'Abbé A. David. [*Bulletin des Nouvelles Archives du Muséum d'Histoire naturelle de Paris* 10: 83-100, pl. 1. <https://www.biodiversitylibrary.org/page/13962447>
- DESHAYES G.-P. & JULLIEN J. 1876 ["1874"]. — Mémoire sur les mollusques nouveaux du Cambodge envoyés au Muséum par M. le Docteur Jullien. [*Bulletin des Nouvelles Archives du Muséum d'Histoire naturelle de Paris* 10: 115-162, pls 5-8 (March). [article by Deshayes & Jules Jullien; new species within credited mostly to Deshayes]. Notice of its publication in March 1876 given by Crosse, in Crosse & Fischer (1876b: 314). <https://doi.org/10.5962/bhl.title.10273>



"C. D." [CITOYEN DESHAYES], 1803. — *Le vade-mecum du botaniste voyageur aux environs de Paris: à l'usage des personnes qui ont la flore de J.-L. Thuillier; contenant la Carte botanique portative de E.-P. Ventenat; l'Étymologie des Genres publiés par cet Auteur dans son Tableau du Règne végétal, en 4 volumes, avec des planches; la Floraison des Plantes des environs de Paris; les Lieux généraux et particuliers où elles se trouvent; une Carte topographique dressée exprès pour guider le Botaniste vers les endroits indiqués; et, pour la facilité des recherches, six Tables, dont une à sept colonnes*. Baudouin, Paris, xii + 426 + [1] p., 1 fold-out map, 1 fold-out table. Oddly, this work has been mixed up in libraries, websites and bibliographies with G.-P. Deshayes, who would have been only 7 years old at the time this book appeared. This work was likely authored by the botanist Pierre Marie Deshayes (1773?-1850?), of whom nothing further is known (Barnhart 1965: 446; Staffeu & Cowan 1986: 306). <https://gallica.bnf.fr/ark:/12148/bpt6k97718223.texteImage>

Deshayes participated in the initial organization of the fossil specimens for the next two papers, labeling the species already described and isolating the new species. However, he was not involved in writing and publishing either of the following papers, as explained by Alexandre Félix Gustave Archille Leymerie (1841: 293), because he was in Algeria from 1840 to 1843. He evidently proposed names for some of the new species, probably putting them on labels. Leymerie credited Deshayes with some of the species, in recognition of his pro-

posed new species names. However, all the contained new taxa were made available by Leymerie, with some of them then noted as “*ex Deshayes ms*”. Many of these names were repeated in the 1846 book, which made available some additional Deshayes *ms* species.

- LEYMERIE A. F. G. A. 1841. — Mémoire sur le terrain Crétacé du Département de l’Aube, contenant des considérations générales sur le terrain Néocomien. *Mémoires de la Société géologique de France* 4 (2) [Mémoire 5]: 291-364, pl. 16 [A – map] [has mentions of new taxa credited to Deshayes and citations of the as-yet unpublished plates, but all the taxa here are only *nomina nuda* – see next paper]. <https://www.biodiversitylibrary.org/page/42309250>
- LEYMERIE A. F. G. A. 1842. — Suite du mémoire sur le terrain Crétacé du Département de l’Aube – Seconde partie (paléontologique). *Mémoires de la Société géologique de France* 5 (1): 1-34, pls 1-18. <https://www.biodiversitylibrary.org/page/42338159>
- LEYMERIE A. F. G. A. 1846. — *Statistique géologique et minéralogique du Département de l’Aube*. Baillière, etc., Paris & London, i-xii-[xvii] + 676 p., 3 tables, 10 pls. <https://doi.org/10.3931/e-rara-7360>

The following publication deserves special note. Maximilien Melleville came to Deshayes in 1838 seeking identifications on the fossils he had found in his geological work. Deshayes then began to study them along with the many other projects he was working on at the time. Melleville evidently became impatient with the slow progress, but Deshayes felt that he had invested a lot of effort, and he wanted to retain the most important specimens. Melleville then requested all the material back and proceeded with his own publication. Deshayes harbored a strong grievance, and afterwards in his own publications listed himself as the author of some of the species that Melleville had published, but they are now all considered to be by Melleville. His resentment continued and an angry exchange of letters followed, which Deshayes issued publicly as a broadside (Deshayes, 1856). How widely this was distributed is unknown because we have located only a single copy catalogued in the Bibliothèque Nationale de France (Paris). Two years later, Melleville issued his own printed broadside (Melleville, 1858), with only a single copy known in the MNHN in Paris.

- MELLEVILLE M. 1843. — Mémoire sur les sables tertiaires inférieurs du bassin de Paris, avec la description de 78 espèces de coquilles fossiles inédites de ce terrain. *Annales des Sciences géologiques* 2 (1): 1-29 (January); (2): 77-120, 10 pls (February) [Also published in 1843 as: *Mémoire sur les sables tertiaires inférieurs du bassin de Paris, avec la description de 78 espèces de coquilles fossiles inédites de ce terrain, et dix planches représentant ces espèces. With added chapter: Considérations sur la distribution des Mollusques fossiles dans les trois étages des sables inférieurs and added plate explanations*. Fortin, Masson & Cie, Paris, 88 p., 10 pls.].
- MELLEVILLE M. 1858. — *Ma réponse à M. Deshayes*. Laon, 28 p.

In their catalogue of the Epitoniidae, Brown & Neville (2015) credited a number of species to “Blainville, in Blainville, DeFrance & Deshayes” (1827), citing volume 48 of the *Dictionnaire des Sciences naturelles*. Whereas Deshayes was involved with the *Dictionnaire classique d’Histoire naturelle* and the *Dictionnaire Universel d’Histoire naturelle*, there is no evidence he played any role in this third, unrelated dictionary set.

## REFERENCES

The literature cited are works specifically cited herein, generally with page and plate numbers. Not included are the authors of higher-level taxa, families, genera, senior or junior homonyms of Deshayes’ taxa, authors of lectotype designations, or generic subsequent type designations, nor senior or junior synonyms of Deshayes taxa, unless any that need to be discussed. It does include citations to renamings of Deshayes homonyms and homonyms renamed by Deshayes, or asserted incorrect concepts supposedly named by him as new species.

- AARTSEN J. J. VAN 1995. — *Anisocycla* Monterosato, 1880 or *Ebala* Leach in Gray, 1847: that is the question. *Bollettino Malacologico* 31 (1-4): 65-68. <https://www.biodiversitylibrary.org/page/49938020>
- AARTSEN J. J. VAN & GIANNUZZI-SAVELLI R. 1991. — New names for well-known marine Mollusca. *Bollettino Malacologico* 27 (1-4): 1-8. <https://www.biodiversitylibrary.org/page/49957070>
- AARTSEN J. J. VAN & GOUD J. 2000. — European marine Mollusca: notes on less well-known species. XV. Notes on Lusitanian species of *Parvicardium* Monterosato, 1884, and *Afrocardium richardi* (Audouin, 1826) (Bivalvia, Heterodonta, Cardiidae). *Basteria* 64 (4-6): 171-186. <https://natuurtijdschriften.nl/pub/597198>
- AARTSEN J. J. VAN, MENKHORST H. P. M. G. & GITTENBERGER E. 1984. — The marine mollusca of the Bay of Algeciras, Spain, with general notes on *Mitrella*, Marginellidae and Turridae. *Basteria*, supplement 2: 1-135. <https://archive.org/details/basteria-2-003-134>
- ABBOTT R. T. 1961. — The genus *Lambis* in the Indo-Pacific. *Indo-Pacific Mollusca* 1 (3): 147-174, pls 118-134. <https://www.biodiversitylibrary.org/page/49824404>
- ABBOTT R. T. 1968. — The helmet shells of the world (Cassidae). Part 1. *Indo-Pacific Mollusca* 2 (9): 7-201, pls 1-187. <https://www.biodiversitylibrary.org/page/49823850>
- ABBOTT R. T. 1974. — *American Seashells; the Marine Mollusca of the Atlantic and Pacific Coasts of North America*. 2<sup>nd</sup> ed. Van Nostrand Reinhold, New York, 663 p., 24 pls.
- ADAM W. 1935. — Notes sur les gasteropodes. II. Le genre *Cryptobia* Deshayes 1863. *Bulletin du Musée royal d’Histoire naturelle de Belgique* 11 (19): 1-5.
- ADAM W. 1959. — Les Céphalopodes de la mer Rouge, in *Mission Robert Ph. Dollfus en Egypte (décembre 1927-mars 1929)*. Centre national de la Recherche scientifique, Paris 28: 125-193, 9 pls (Résultats scientifiques, 3<sup>ème</sup> partie; 29).
- ADAMS H. & ADAMS A. 1853-1858. — *The Genera of Recent Mollusca, Arranged According to their Organization*. Van Voorst, London, 1: xl + 484 p.; 2: 661 p.; 3: 138 pls [collation: vol. 2: 661]. Plates generally bound separately as volume 3. Only those parts cited herein with a page number are listed below. <https://doi.org/10.5962/bhl.title.4772>

Volume	Parts	Pages	Plates	Date
	28	381-412	109-112	November 1856
	35-36	i-xl + 605-661	137-138	November 1858

- AGASSIZ L. 1840. — *Catalogus systematicus ectyporum echinodermatum fossilium Musei Neocomensis: secundum ordinem zoologicum dispositus: adjectis synonymis recentioribus, nec non stratis et locis in quibus reperiuntur: sequuntur characteres diagnostici generum novorum vel minus cognitorum*. Petitpierre, Neocomi Helvetorum, 20 p. <https://doi.org/10.5962/bhl.title.8820>
- AGASSIZ L. 1843. — *Études critiques sur les mollusques fossiles*. 4: *Monographie des myes*. Part 2. L’Auteur, Neuchâtel: 143-230, 27 pls [incl. 9’, 9, 9a-d, 10’, 10, 10a, 11, 11a, 12’, 12”, 12, 12a-b, 13, 13a-c, 14-20]. <https://doi.org/10.5962/bhl.title.1126>



- AGASSIZ L. 1845. — *Études critiques sur les mollusques fossiles*. 4: *Monographie des myes*. Part 3. L'Auteur, Neuchâtel: 231-287- [289], pls 21-39. <https://doi.org/10.5962/bhl.title.1126>
- AGASSIZ L. & DESOR E. 1846. — Catalogue raisonné des familles, des genres et des espèces de la classe des Échinodermes. *Annales des Sciences naturelles*. 3<sup>ème</sup> série, Zoologie 6: 305-374. <https://www.biodiversitylibrary.org/page/13408013>
- AGASSIZ L. & DESOR E. 1847a. — Catalogue raisonné des espèces, des genres et des familles d'échinides. *Annales des Sciences naturelles*. 3<sup>ème</sup> série, Zoologie 7: 129-168. <https://www.biodiversitylibrary.org/page/13406114>
- AGASSIZ L. & DESOR E. 1847b. — Catalogue raisonné des espèces, des genres et des familles d'échinides. *Annales des Sciences naturelles*. 3<sup>ème</sup> série, Zoologie 8: 5-35. <https://www.biodiversitylibrary.org/page/14489743>
- AKSENOVA O. V., BOLOTOV I. N., YU. GOFAROV M., KONDAKOV A. V., VINARSKI M. V., BESPALAYA Y. V., KOLOSOVA Y. S., PALATOV D. M., SOKOLOVA S. E., SPITSYN V. M., TOMILOVA A. A., TRAVINA O. V. & VIKHREV I. V. 2018. — Species richness, molecular taxonomy and biogeography of the radicine pond snails (Gastropoda: Lymnaeidae) in the Old World. *Scientific Reports* 8: 1-16. <https://doi.org/10.1038/s41598-018-29451-1>
- ALBANO P. G., DI FRANCO D., AZZARONE M., BAKKER P. A. J. & SABELLI B. 2023. — Review of the types of Indo-Pacific Triphoridae (Mollusca, Gastropoda) in the Muséum national d'Histoire naturelle, Paris. *Zoosystema* 45 (2): 13-106. <https://doi.org/10.5252/zoosystema2023v45a2>. <http://zoosystema.com/45/2>
- ALF A. & KREIPL K. 2003. — *Conchological Iconography*. Vol. 8: *Family Turbinidae, subfamily Turbininae, genus Turbo*. Conchbooks, Hackenheim, 68 p., pls 1-95.
- ALF A. & KREIPL K. 2011. — *Conchological Iconography*. Vol. 17: *The Family Turbinidae. Subfamilies Turbinidae Rafinesque, 1815 & Prisogasterinae Hickman & McLean*. Conchbooks, Hackenheim, 82 p., pls 104-245.
- ALF A., BRENZINGER B., HASZPRUNAR G., SCHRÖDL M. & SCHWABE E. 2020. — *A Guide to Marine Molluscs of Europe*. Conchbooks, Harxheim, 803 p., 355 pls [sections of volume with different author combinations, not detailed here].
- ALLMON W. D. & FRIEND D. S. 2023. — Review and revision of the Olivoidea (Neogastropoda) from the Paleocene and Eocene of the U.S. Gulf Coastal Plain. *Journal of Paleontology*, 97, *Memoir* 91: 1-42. <https://doi.org/10.1017/jpa.2022.79>
- ALTH A. 1850. — Geognostisch-palaeontologische Beschreibung der nächsten Umgebung von Lemberg. *Naturwissenschaftliche Abhandlungen, Gesammelt und Durch Subscription Herausgegeben von Wilhelm Haidinger* [Wien] 3 (2): 171-233, pl. 9-13. <http://opac-plus.bsb-muenchen.de/title/3481908/ft/bsb10050925?page=375>
- ALTAMIA M. A. & DISTEL D. L. 2022. — Transport of symbiont-encoded cellulases from the gill to the gut of shipworms via the enigmatic ducts of Deshayes: a 174-year mystery solved. *Proceedings of the Royal Society of London B* 289: 20221478. <https://doi.org/10.1098/rspb.2022.1478>
- ÁLVAREZ F., EMIG C. C. & TRÉGUIER J. 2017. — Brachiopodes actuels. Historique et révision de la collection D.-P. Cehlert (Laval). Brachiopodes des côtes françaises métropolitaines. *Carnets de Géologie* CG2017\_B02: 1-386. <https://doi.org/10.4267/2042/62544>
- AMLER M. R. W. & ROGALLA N. S. 2004. — History and nomenclature of the Conocardioidea (Mollusca: Rostroconchia). *Paläontologische Zeitschrift* 78 (2): 307-322. <https://doi.org/10.1007/BF03009228>
- ANDERSON B. M. & ALLMON W. D. 2023. — Phylogeny and systematics of fossil and Recent *Vermicularia* (Caenogastropoda: Turritellidae). *Malacologia* 66 (1-2): 1-59. <https://doi.org/10.4002/040.066.0101>
- ANDRZEJOWSKI A. 1832. — Catalogue des coquilles du Plateau Volhynie-Podolien de la collection du Lycée de Volhynie. *Bulletin de la Société impériale des Naturalistes de Moscou* 4 (3): 559-567. <https://archive.org/details/bulletindelasoci41832mosk>
- ANONYMOUS 1870. — Award of the Wollaston Medal. *Quarterly Journal of the Geological Society of London* 26: xxvii-xxviii. <https://www.biodiversitylibrary.org/page/39017447>
- ANONYMOUS 1875a. — *Catalogue de livres d'histoire naturelle et particulièrement de géologie et de conchyliologie, composant la bibliothèque de M. G.-P. Deshayes*. J.-B. Baillière et fils, Paris, xii + 159 p.
- ANONYMOUS 1875b. — Obituary, Professor G. P. Deshayes. *Geological Magazine* (n.s.) (2) 2 (9): 430-431. <https://www.biodiversitylibrary.org/page/32504471>
- ANONYMOUS 1888. — Portrait of G.-P. Deshayes. *Revue biographique de la Société malacologique de France* 3: Portrait.
- ANONYMOUS 1933. — *Acella haldemani* ("Desh." Binney). *The Nautilus* 46 (3): 107. <https://www.biodiversitylibrary.org/page/8519462>
- ARAUJO R., REIS J., MACHORDOM A., TOLEDO C., MADEIRA M. J. & GÓMEZ I. 2009. — Las náyades de la península Ibérica. *Iberus* 27 (2): 7-72. <https://www.biodiversitylibrary.org/page/53746410>
- ARCHAMBAULT-GUEZOU J. 1976. — *Étude de Dreissenidae du Néogène européen et revue stratigraphique des niveaux correspondants de la Paratéthys*. Thèse de doctorat. Published as Travaux du Laboratoire de Paléontologie, Faculté des Sciences, Université de Paris, Orsay, v + 361 pp., 9 pls [not seen].
- ARCHIAC DE SAINT-SIMON E. J. A. D. D'1850. — *Histoire des progrès de la géologie de 1834 à 1849*. Vol 3. *Formation nummulitique. Roches ignées ou pyrogènes des époques quaternaire et tertiaire*. Société géologique de France, Paris, 624 p. <https://patrimoine.sorbonne-universite.fr/idurl/1/2011>
- ARCHIAC DE SAINT-SIMON E. J. A. D. D' & HAIME J. 1853. — *Description des animaux fossiles du groupe nummulitique de l'Inde précédée d'un résumé géologique et d'une monographie des Nummulites*. Gide & Baudry, Paris, vi + 384 p., 36 pls. <https://gallica.bnf.fr/ark:/12148/bpt6k6516664j>
- ARKELL W. J. 1957. — Aptychi, in ARKELL W. J., FURNISH W. M., KUMMEL B., MILLER A. K., MOORE R. C., SCHINDEWOLF O. H., SYLVESTER-BRADLEY P. C. & WRIGHT C. W. (eds), *Treatise on Invertebrate Paleontology*. Part L. *Mollusca 4. Cephalopoda. Ammonoidea*. Geological Society of America & University of Kansas: L437-L441.
- ARKELL W. J., KUMMEL B. & WRIGHT C. W. 1957. — Mesozoic Ammonoidea, in ARKELL W. J., FURNISH W. M., KUMMEL B., MILLER A. K., MOORE R. C., SCHINDEWOLF O. H., SYLVESTER-BRADLEY P. C. & WRIGHT C. W. (eds), *Treatise on Invertebrate Paleontology*. Part L. *Mollusca 4. Cephalopoda. Ammonoidea*. Geological Society of America & University of Kansas: L80-L437.
- ARKADIEV V. V. 2020. — *Catalogue of the Collection to the E. I. Eichwald's Monograph "Lethaea Rossica ou Paléontologie de la Russie", 1865-1868 (Mesozoic bivalves)*. LEMA Publishing House, Saint Petersburg, 328 p.
- ARKADIEV V. V., ATABEKIAN A. A., BARBOSHKIN E. YU. & BOGDANOVA T. N. 2000. — Stratigraphy and ammonites of Cretaceous deposits of south-west Crimea. *Palaeontographica* (Abt. A) 255 (4-6): 85-128, pls 1-16. <https://doi.org/10.1127/pala/255/2000/85>
- ARTEAGA SOGAMOSO E. 1994. — El lasidium de *Acostaea rivoli* Deshayes, 1827 (Mollusca: Bivalvia: Etheriidae) y su importancia para la ubicación taxonomica de esta especie. *Boletín Ecotropica: Ecosistemas Tropicales* 27: 1-9.
- ARVY L. 1949. — Sur la castration parasitaire chez *Dentalium entale* Deshayes. *Comptes Rendus hebdomadaires des Séances de l'Académie des Sciences* 229: 780-782. <https://gallica.bnf.fr/ark:/12148/bpt6k3181b/f780.image>
- ARVY L. 1950. — Données histologiques sur l'ovogenèse de *Dentalium entale* Deshayes. *Archives de Biologie* 61 (2): 187-196.
- AYOUB-HANNA W. S., BENTGTON P., FÜRSICH F. T. & ANDRADE E. J. 2019. — Cenomanian-Turonian (Cretaceous) heterodont bivalve from the Sergipe Basin, Brazil. *Revue de Paléobiologie* 38 (1): 151-228, pls 1-10. <https://doi.org/10.5281/zenodo.3265243>
- BAIL P. & POPPE G. T. 2001. — *Conchological Iconography*. Vol. 5. *A Taxonomic Introduction to the Recent Volutidae*. Conchbooks, Hackenheim, 30 p., 5 pls.

- BANK R. 2006. — Towards a catalogue and bibliography of the freshwater Mollusca of Greece. *Heldia* 6 (1/2): 52-86.
- BANK R. A. & MENKHORST H. P. M. G. 1992. — Notizen zur Familie Enidae, 4. Revision der griechischen Arten der Gattungen *Ena*, *Zebrina*, *Napaeopsis* und *Turanena* (Gastropoda: Pulmonata: Pupilloidea). *Basteria* 56 (4-6): 105-158. <https://archive.org/details/basteria-56-105-158>
- BANK R. & MENKHORST H. P. M. G. 2008. — Notes on the nomenclature of some land- and freshwater molluscs of the Seychelles, with consequences for taxa from Africa, Madagascar, India, the Philippines, Jamaica, and Europe. *Basteria* 72 (4-6): 93-110. <https://natuurtijdschriften.nl/pub/643850>
- BARNES P. A. G. & MORTON B. 1997. — The functional morphology of *Matrinxia reevesii* (Bivalvia: Mactroidea) in Hong Kong: adaptations for a deposit-feeding lifestyle. *Journal of Zoology* 241 (1): 13-34. <https://doi.org/10.1111/j.1469-7998.1997.tb05496.x>
- BARNHART J. H. 1965. — *Biographical Notes upon Botanists*. Vol. 1. *A – Fox (C)*. G. K. Hall, Boston, xv + 563 p.
- BARON-SZABO R. C. & CAIRNS S. D. 2016. — Systematic descriptions of the Scleractinia family Rhizangiidae. Part F (Coelenterata), Revised, Volume 2, Chapter 10. *Treatise Online* 80: 1-10. <https://doi.org/10.17161/to.v0i0.6462>
- BARTA-CALMUS S. 1973. — *Révision de collections de madréporaires provenant du nummulitique du sud-est de la France, de l'Italie et de la Yougoslavie septentrionale*. Thèse de doctorat, Université de Paris VI, Paris, 694 p., 59 pls [unpublished for nomenclatural purposes].
- BASTEROT B. DE 1825. — Description géologique du bassin Tertiaire du sud-ouest de la France. Première partie comprenant les observations générales sur les mollusques fossiles et la description particulière de ceux qu'on rencontre dans ce bassin. *Mémoires de la Société d'Histoire naturelle de Paris* 2 (1): 1-100, pls 1-7. [Also published as Basterot B. de 1825: *Mémoire géologique sur les environs de Bordeaux. Première partie comprenant les observations générales sur les Mollusques fossiles et la description particulière de ceux qu'on rencontre dans ce bassin*. Tastut, Paris, 100 p., 7 pl.]. <https://www.biodiversitylibrary.org/page/3591528>
- BAUDON A. 1853. — Description de coquilles fossiles de Saint-Félix (Oise), avec une notice sur les terrains de cette localité. *Journal de Conchyliologie* 4 (3): 321-333, pl. 9. <https://www.biodiversitylibrary.org/page/15859684>
- BAYAN F. 1870. — *Études faites dans la collection de l'École de Mines sur des fossiles nouveaux ou mal connus, 1<sup>er</sup> fascicule. Mollusques tertiaires*. Savy, Paris, iv + 81 p., pls 1-10. <https://www.biodiversitylibrary.org/page/5837022>
- BAYAN F. 1873a. — *Études faites dans la collection de l'École des Mines sur des fossiles nouveaux ou mal connus, 2<sup>me</sup> fascicule. Notes sur quelques fossiles tertiaires*. Savy, Paris: 91-136, pls 13-15. <https://www.biodiversitylibrary.org/page/58370297>
- BAYAN W. 1873b. — Sur son travail de Recensement des espèces publiées et sur quelques Synonymies. *Bulletin de la Société géologique de France* (3) 1: 235. <https://www.biodiversitylibrary.org/page/54850442>
- BEAN W. 1839. — A catalogue of the fossils found in the Cornbush limestone of Scarborough: with figures and descriptions of some of the undescribed species. *The Magazine of Natural History (new ser.)* 3 (2): 57-62. <https://www.biodiversitylibrary.org/page/2269998>
- BECK H. H. 1838 [1837-1838]. — *Index molluscorum praesentis aevi musei Principis augustissimi Christiani Frederici*. Hafniae, (1) 1-100 (1837), (2) 101-124 (1838), Appendix, 1-8 (1837). <https://www.biodiversitylibrary.org/page/32058074>
- BEETS C. 1944. — Die Lamellibranchiaten-Gattung *Julia* Gould. *Geologie en Mijnbouw* 6 (3-4): 28-31.
- BEETS C. 1949. — Additional observations on the genus *Julia* Gould. *Geologie en Mijnbouw* 11 (1): 22-24.
- BELLAGAMBA M. & MICALI P. 2016. — Pliocenic Pyramidellidae from “Le Conchiglie”, Lagune di Sasso Marconi (Bologna). *Bollettino Malacologico* 52 (2): 137-150. <https://www.biodiversitylibrary.org/page/59522939>
- BELLARDI L. 1850. — Liste des fossiles de la formation nummulitique du comté de Nice. *Bulletin de la Société géologique de France*, sér. 2, 7: 678-683. <https://www.biodiversitylibrary.org/page/54384289>
- BELLARDI L. 1852. — Catalogue raisonné des fossiles nummulitiques de comté de Nice. *Mémoires de la Société géologique de France*, sér. 2, 4 (2): 205-300, pls 12-22. <https://patrimoine.sorbonne-universite.fr/idurl/1/3077>
- BENOIST E.-A. 1873. — Catalogue synonymique et raisonné des testacés fossiles recueillis dans les faluns miocènes des communes de La Brède et de Saucats. *Actes de la Société linnéenne de Bordeaux* 29 (3) 9: 5-78. <https://www.biodiversitylibrary.org/page/34080912>
- BENTHEM JUTTING W. S. S. VAN 1959. — Catalogue of the non-marine Mollusca of Sumatra and of its satellite islands. *Beaufortia* 7 (83): 41-191, pls 1-2. <https://repository.naturalis.nl/pub/504682>
- BENTHEM JUTTING W. S. S. VAN 1964. — Non-marine Mollusca of West New Guinea. Part 3. Pulmonata, I. *Nova Guinea, Zoology* 26: 1-74.
- BEQUAERT J. 1943. — The genus *Littorina* in the western Atlantic. *Johnsonia* 7: 1-27. <https://www.biodiversitylibrary.org/page/41113943>
- BEQUAERT J. 1950. — Studies in the Achatininae, a group of African land snails. *Bulletin of the Museum of Comparative Zoology, Harvard College* 105 (1): 1-216, pls 1-81. <https://www.biodiversitylibrary.org/page/11841320>
- BEREZOVSKY A. A. 2015a. — Upper Eocene bivalves from Dnepropetrovsk, Ukraine: Nuculida and Arcida. *Paleontological Journal* 49 (9): 987-1099, pls 1-33. <https://doi.org/10.1134/S0031030115090014>
- BEREZOVSKY A. A. 2015b. — New bivalves of the family Mytilidae from the Middle Eocene of Ukraine. *Paleontological Journal* 49 (6): 578-583. <https://doi.org/10.1134/S0031030115050056>
- BEREZOVSKY A. A. 2018. — Upper Eocene Bivalves from Dnepr, Ukraine: Crassatellidae. *Paleontological Journal* 52 (11): 1225-291, pls 1-15. <https://doi.org/10.1134/S0031030118110035>
- BEREZOVSKY A. A. & PACAUD J.-M. 2019. — New species of *Chelonia* (Pleurotomariidae, Gastropoda) from the Middle Eocene of Ukraine. *Paleontological Journal* 53 (6): 593-597, pl. 7. <https://doi.org/10.1134/S0031030119060029>
- BERGE F. 1847. — *Conchylienbuch, oder, Allgemeine und besondere Naturgeschichte der Muscheln und Schnecken, nebst der Anweisung, sie zu sammeln, zuzubereiten und aufzubewahren*. Hoffmann, Stuttgart, 263 p., 46 pls.
- BEU A. 1998. — Indo-West Pacific Ranellidae, Bursidae and Personidae (Mollusca: Gastropoda). A monograph of the New Caledonian fauna and revisions of related taxa. *Mémoires du Muséum national d'Histoire naturelle* 178: 1-225. <https://www.biodiversitylibrary.org/page/58988686>
- BEU A. G. 2004. — Marine Mollusca of oxygen isotope stages of the last 2 million years in New Zealand. Part 1. Revised generic positions and recognition of warm-water and cool-water migrants. *Journal of the Royal Society of New Zealand* 34 (2): 111-265. <https://doi.org/10.1080/03014223.2004.9517766>
- BEU A. G. 2006. — Marine Mollusca of oxygen isotope stages of the last 2 million years in New Zealand. Part 2. Biostratigraphically useful and new Pliocene to Recent bivalves. *Journal of the Royal Society of New Zealand* 36 (4): 151-338. <https://doi.org/10.1080/03014223.2006.9517808>
- BEU A. 2010. — Neogene tonnoidean gastropods of tropical and South America: contributions to the Dominican Republic and Panama paleontology projects and uplift of the Central American isthmus. *Bulletins of American Paleontology* 377-378: 1-550, pls 1-79.
- BEU A. & DE ROOIJ-SCHUILING L. A. 1982. — Subgeneric classification of New Zealand and Australian species of *Paphies* Lesson (Bivalvia: Mesodesmatidae), and names for the two species of tuatua in New Zealand. *New Zealand Journal of Zoology* 9 (2): 211-230. <https://doi.org/10.1080/03014223.1982.10423850>



- BEU A. & MAXWELL P. A. 1987. — A revision of the fossil and living gastropods related to *Plesiotriton* Fischer, 1884 (family Cancellariidae, subfamily Plesiotritoninae n. subfam.) with an appendix: genera of Buccinidae Pisaniinae related to *Colubraria* Schumacher, 1817. *New Zealand Geological Survey Paleontological Bulletin* 54: 1-140, pls 1-30.
- BEU A., BOUCHET P. & TRÖNDLÉ J. 2012. — Tonnoidean gastropods of French Polynesia. *Molluscan Research* 32 (2): 61-120. <https://doi.org/10.11646/mr.32.2.1>
- BEZANÇON A. 1870. — Descriptions d'espèces nouvelles du bassin de Paris. *Journal de Conchyliologie* 18 (3): 310-323, pl. 10. <https://www.biodiversitylibrary.org/page/15160729>
- BIELER R. 1993. — Architectonicidae of the Indo-Pacific (Mollusca, Gastropoda). *Abhandlungen des Naturwissenschaftlichen Vereins in Hamburg (NF)* 30: 1-376.
- BIELER R. & PETIT R. E. 2005. — Catalogue of Recent and fossil taxa of the family Architectonicidae Gray, 1850 (Mollusca: Gastropoda). *Zootaxa* 1101: 1-119. <https://doi.org/10.11646/zootaxa.1101.1.1>
- BIELER R. & PETIT R. E. 2011. — Catalogue of Recent and fossil "worm-snail" taxa of the families Vermetidae, Siliquariidae, and Turritellidae (Mollusca: Caenogastropoda). *Zootaxa* 2948: 1-103. <https://doi.org/10.11646/zootaxa.2948.1.1>
- BIELER R. & SLAPCINSKY J. 2000. — A case study for the development of an island fauna: Recent terrestrial mollusks of Bermuda. *Nemouria. Occasional Papers of the Delaware Museum of Natural History* 44: 1-99. <https://www.biodiversitylibrary.org/page/45974319>
- BINDER H. 2002. — Die Land- und Süßwassergastropoden aus dem Karpatium des Korneuburger Beckens (Niederösterreich; Untermyozän). *Beiträge zur Paläontologie* 27: 161-203.
- BINNEY W. G. 1867. — Notes sur quelques espèces de mollusques fluviatiles de l'Amérique du Nord. *Journal de Conchyliologie* 15 (4): 427-432. <https://www.biodiversitylibrary.org/page/15382359>
- BITNER M. A. 2007. — Recent brachiopods from the Austral Islands, French Polynesia, south-central Pacific. *Zoosystema* 29 (3): 491-502.
- BITTNER A. 1895. — Lamellibranchiaten der alpinen Trias. I. Theil: Revision der Lamellibranchiaten von Sct. Cassian. *Abhandlungen der Kaiserlich-Königlichen Geologischen Reichsanstalt* 18 (1): 1-235, pls 1-24. <https://www.biodiversitylibrary.org/page/39173309>
- BLAINVILLE H. M. D. DE 1824. — Mollusques. *Dictionnaire des Sciences naturelles* 32: 1-392. <https://www.biodiversitylibrary.org/page/25299226>
- BLAINVILLE H. M. D. DE 1825-1827. — *Manuel de Malacologie et de Conchyliologie contenant: 1. Une Histoire abrégée de cette partie de la zoologie; des Considérations générales sur l'anatomie, la physiologie et l'histoire naturelle des Malacozoaires, avec un catalogue des principaux auteurs qui s'en sont occupés. 2. Des principes de Conchyliologie, avec une histoire abrégée de cet art et un catalogue raisonné des auteurs principaux qui en traitent. 3. Un système général de Malacologie tiré à la fois de l'animal et de sa coquille, dans une dépendance réciproque, avec la figure d'une espèce de chaque genre.* Vol. 1, 1825. Levrault, Paris & Strasbourg, viii + 648 p., fold-out chart. <https://www.biodiversitylibrary.org/page/12010257>; Vol. 2, 1827. p. [i], 649-664 [Nouvelles Additions et Corrections au Genera], pls i-iv + [also mostly in Roman numerals] 1, 1 bis, 1ter, 2-11, 11bis, 12-17, 17bis [not so marked], 18-21, 21bis, 22-28, 28bis, 29-32, 32bis, 33-36, 36bis, 37, 37bis, 38-46, 46bis, 47-48, 48 bis [not so marked], 49, 49 bis, 50-58, 58bis, 59-62, 62bis, 63-65, 65bis, 66-70, 70bis, 71-80, 80 bis [not so marked], 81-87. <https://www.biodiversitylibrary.org/page/12733542>
- BLAINVILLE H. M. D. DE 1827. — *Mémoire sur les Bélemnites, considérées zoologiquement et géologiquement.* Levrault, Paris, iii + 136 p., 5 pls. <https://www.biodiversitylibrary.org/page/31719534>
- BLAINVILLE H. M. D. DE 1832. — Disposition méthodique des espèces récentes et fossiles des genres pourpre, ricinule, licorne et concholépas de M. de Lamarck, et description des espèces nouvelles ou peu connues, faisant partie de la collection du Muséum d'Histoire naturelle de Paris. *Nouvelles Annales du Muséum d'Histoire naturelle* 1: 189-263, pls 9-12. <https://www.biodiversitylibrary.org/page/33122454>
- BOETTGER C. R. 1963. — Gastropoden mit zwei Schalenklappen. *Verhandlungen der Deutschen Zoologischen Gesellschaft* 1962: 403-439 (*Zoologischer Anzeiger*, Supplementband 26: 403-439).
- BOETTGER O. 1878. — Monographie der Clausiliensection *Albinaria* von Vest. *Novitates Conchologicae*, ser. 1, 5: 39-173, pl. 145-148. <https://www.biodiversitylibrary.org/page/10946057>
- BOGDANOVA T. N. 2000. — Nukulidy (Bivalvia) Nizhnego mela sredenei Azii. *Statbya 2. Leonucula* Quenstedt, 1930 [Lower Cretaceous nuculids (Bivalvia) of Middle Asia. 2. Genus *Leonucula* Quenstedt, 1930]. *Biulleten Moskovskogo Obshchestva Ispytateli Prirody Otdel Geologicheskii* 75 (5): 32-41.
- BOGDANOVA T. N. & MIKHAILOVA I. A. 2016. — Middle Aptian Biostratigraphy and ammonoids of the Northern Caucasus and Transcaspa. *Paleontological Journal* 50 (8): 725-933. <https://doi.org/10.1134/S0031030115100019>
- BOGUTSKAYA N. G., KIJASHKO P. V., NASEKA A. M. & ORLOVA M. I. 2013. — *Opredelitel' ryb i bespozvonochnykh Kaspiyskogo morya. T. 1. Ryby i mollyuski* [Identification keys for fish and invertebrates. Volume 1. Fish and molluscs]. KMK Scientific Press Ltd., St. Petersburg/Moscow, 543 p., 56 pls.
- BOISSY S.-A. DE 1844. — Description de plusieurs espèces d'hélices fossiles nouvelles ou imparfaitement connues et figurées. *Magasin de Zoologie, d'Anatomie comparée et de Paléontologie* 2 (6): 1-16, pl. 87-90. <https://www.biodiversitylibrary.org/page/39926890>
- BOSCH D. T., DANCE S. P., MOOLENBEEK R. G. & OLIVER P. G. 1995. — *Seashells of Eastern Arabia*. Motivate Publishing, Dubai, 296 p.
- BOSCH J. & WESSELINGH F. 2006. — On the stratigraphic position of the Delden Member (Breda Formation, Overijssel, The Netherlands) with implications for the taxonomy of *Pygocardia* (Mollusca, Bivalvia). *Cainozoic Research* 4 (1-2): 109-117. <https://repository.naturalis.nl/pub/235202>
- BOSQUET J. A. H. 1864. — Liste des espèces recueillies à Lethen. *Bulletin de la Société géologique de France* 2 (20): 800-801. <https://www.biodiversitylibrary.org/page/54668424>
- BOSS K. J. 1966. — The subfamily Tellininae in the western Atlantic. The genus *Tellina* (part I). *Johnsonia* 4 (45): 217-272, incl. pls 127-142. <https://www.biodiversitylibrary.org/page/41113671>
- BOTKA D., MAGYAR I., CSOMA V., TÓTH E., ŠUJAN M., RUSZKICZAY-RÜDIGER Z., CHYBA A., BRAUCHER R., SANT K., CORIC S., BARANYI V., BAKRAC K., KRIZMANIC K., BARTHA I. R., SZABÓ M. & SILYE L. 2019. — Integrated stratigraphy of the Gusterita clay pit: a key section for the early Pannonian (late Miocene) of the Transylvanian Basin (Romania). *Austrian Journal of Earth Sciences* 112 (2): 221-247. <https://doi.org/10.17738/ajes.2019.0013>
- BOUCHET P. 1983. — Les Terebridae (Mollusca, Gastropoda) de l'Atlantique orientale. *Bollettino Malacologico* 18 (9-12): 185-216. <https://www.biodiversitylibrary.org/page/49946783>
- BOUCHET P. & DANRIGAL F. 1982. — Napoleon's Egyptian Campaign (1798-1801) and the Savigny collection of shells. *The Nautilus* 96 (1): 9-24. <https://www.biodiversitylibrary.org/page/8497560>
- BOUCHET P. & ROCROI J.-P. 2010. — Nomenclator of bivalve families; with a classification of bivalve families by Bieler R., Carter J. G. & Coan E. V. *Malacologia* 52 (2): 1-184. <https://doi.org/10.4002/040.052.0201>
- BOUCHET P., ROCROI J.-P., HAUSDORF B., KAIM A., KANO Y., NÜTZEL A., PARKHAEV P., SCHRÖDL M. & STRONG E. E. 2017. — Revised classification, nomenclator and typification of gastropod and monoplacophoran families. *Malacologia* 61 (1-2): 1-526. <https://doi.org/10.4002/040.061.0201>
- BOUCHET P. & WARÉN A. 1985. — Revision of the northeast Atlantic bathyal and abyssal Neogastropoda excluding Turridae (Mollusca, Gastropoda). *Bollettino Malacologico*, supplemento 1: 121-296. <https://www.biodiversitylibrary.org/page/54729425>

- BOUÉ A. 1835. — Aperçu sur la constitution géologique des provinces Illyriennes. *Mémoires de la Société géologique de France* 2 (1): 43-89, pl. 4. <https://www.biodiversitylibrary.org/page/42370829>
- BOUILLET J.-B. 1835. — Catalogue des espèces et variétés de mollusques terrestres et fluviatiles observés jusqu'à ce jour à l'état vivant, dans la Haute et la Basse-Auvergne (du département[sic] du Cantal, du Puy-de-Dôme, et partie de celui de la Haute-Loire), suivi d'un catalogue des espèces fossiles recueillies récemment dans les diverses formations tertiaires des mêmes départements. *Annales scientifiques, littéraires et industrielles de l'Auvergne, publiées par l'Académie des Sciences, Belles-Lettres et Arts de Clermont-Ferrand* 8: 521-666. [Also published and repaginated as Bouillet J.-B. 1836: *Catalogue des espèces et variétés de mollusques terrestres et fluviatiles observés jusqu'à ce jour à l'état vivant, dans la Haute et la Basse-Auvergne (du département[sic] du Cantal, du Puy-de-Dôme, et partie de celui de la Haute-Loire), suivi d'un catalogue des espèces fossiles recueillies récemment dans les diverses formations tertiaires des mêmes départements*. Thibaud-Landrillot, Clermont-Ferrand, 166 p.]. <https://www.biodiversitylibrary.org/page/15053749>
- BOUNIEL P. 1981. — Contribution des Cérithidés *sensu lato* (Prosobranchia) à la stratigraphie du Paléocène d'Europe occidentale, et essai de phylogénèse. *Bulletin d'Information des Géologues du Bassin de Paris* 18 (2): 21-33, 1 pl.
- BOURGUIGNAT J.-R. 1925 [posthumous]. — Dates des livraisons de l'histoire des mollusques de Férussac et Deshayes, vérifiées d'après le registre de l'éditeur Baillière, de Paris. *Journal de Conchyliologie* 59 (1): 15-18. <https://gallica.bnf.fr/ark:/12148/bpt6k55670839/f18.item>
- BOURY E. DE 1899. — Révision des pleurotomes éocènes du bassin de Paris. *La Feuille des Jeunes Naturalistes* 29 (3) 29 (339): 33-46, pl. 1; (340): 62-65, pls 2-3; (341): 83-88; (342): 103-107; (343): 115-123; (344): 130-131; (345): 153-160; (346): 172-174. <https://www.biodiversitylibrary.org/page/5899950>
- BOURY E. DE 1913. — Observations sur quelques espèces ou sous-genres de Scalidae. *Journal de Conchyliologie* 61 (1): 65-112. <https://www.biodiversitylibrary.org/page/16294279>
- BOUSSAC J. 1907. — *Cerithium turritellatum* Lamarck, 1804. *Palaeontologia Universalis Centuria* 2, 2 (3): pl. 123.
- BOUSSAC J. 1911. — Études paléontologiques sur le nummulitique alpin. *Mémoires pour servir à l'explication de la carte géologique détaillée de la France*: 1-437, pls 1-22.
- BOUTET M., GOURGUET R. & LETOURNEUX J. (eds) 2020. — *Mollusques marins de Polynésie française/Marine molluscs of French Polynesia*. Au Vent des Îles/Université de la Polynésie française, Papeete, 768 p.
- BOUVIER L. E. 1894a. — Un nouveau cas de commensalisme: association de Vers du genre *Aspidosiphon* avec des polypes madréporaires et un Mollusque bivalve. *Comptes Rendus hebdomadaires des Séances de l'Académie des Sciences* 119 (1): 96-98. <https://gallica.bnf.fr/ark:/12148/bpt6k30752/f96.item>
- BOUVIER L. E. 1894b. — Un cas nouveau de commensalisme. *Le Naturaliste*, sér. 2, 16 (178): 171-173. <https://www.biodiversitylibrary.org/page/41982824>
- BOUVIER L. E. 1895. — Le commensalisme chez certains polypes madréporaires. *Annales des Sciences naturelles, Zoologie et Paléontologie*, sér. 7, 20: 1-32, 1 pl. <https://www.biodiversitylibrary.org/page/35660698>
- BRAGADO D., REY I., VILLENA M. & SORIANO O. 2000. — *Catálogo de las colecciones zoológicas de Asia del Museo Nacional de Ciencias Naturales. II. Moluscos terrestres y dulceacuícolas*. Museo Nacional de Ciencias Naturales, Consejo Superior de Investigaciones Científicas, Madrid, 539 p.
- BRANDÃO J. M. 2013. — Paul Deshayes (1796-1875) and the Geological Commission of the Kingdom: a collaboration with the Portuguese state. *História, Ciências, Saúde. Mangalhos* 20 (3): 865-883. <https://doi.org/10.1590/S0104-597020130003000008>
- BRANDT R. A. M. 1974. — The non-marine aquatic Mollusca of Thailand. *Archiv für Molluskenkunde* 105: i-iv + 1-423.
- BRARD C. P. 1810. — Second mémoire sur les lymnées fossiles des environs de Paris, et sur les autres coquilles qui les accompagnent. *Annales du Muséum d'Histoire naturelle* 15: 406-421, pl. 24. <https://www.biodiversitylibrary.org/page/3546930>
- BRANSON C. C. 1942. — Correction of homonyms in the lamelibranch genus *Conocardium*. *Journal of Paleontology* 16 (3): 387-392. <https://www.jstor.org/stable/1298914>
- BRANSON C. C., LAROCQUE A. & NEWELL N. D. 1969. — *Order Conocardioida*, in MOORE R. C. (ed.), *Treatise on Invertebrate Paleontology*. Part N [Bivalvia], Mollusca 6, Vols 1 and 2. Geological Society of America & University of Kansas, Lawrence, Kansas: N859-N869.
- BRATCHER T. & CERNOHORSKY W. O. 1987. — *Living Terebras of the World*. Madison Publishing Associates, New York, 240 p.
- BRÉBION P. 1964. — *Les gastéropodes du Redonien et leur signification*, 1-2. Thèse de doctorat ès-Sciences. Paris. Faculté des Sciences de l'Université de Paris, 775 p., 15 pl. [unpublished for nomenclatural purposes].
- BREURE A. S. H., AUDIBERT C. & ABLETT J. D. 2022a. — *Joseph Charles Hippolyte Crosse (1826-1898), 1: Biography, Bibliography and New Taxa Introduced*. Royal Belgian Institute of Natural Science, Brussels, vii + 330 p.
- BREURE A. S. H., ROOSEN M. T. & ABLETT J. D. 2022b. — Land and freshwater molluscs of mainland Ecuador: an illustrated checklist. *Iberus* 40 (1): 1-290. <https://doi.org/10.5281/zenodo.6519856>
- BROCCHI G. 1814. — *Conchiologia fossile subapennina con osservazioni geologiche sugli apennini e sul suolo adiacente*. Stamperia Reale, Milano, Vol. 1: 1-240 p.; Vol. 2: 241-712 p., 16 pls. <https://doi.org/10.5962/bhl.title.11569>
- BRONN H. G. 1831. — *Übersicht der Fossilen Überreste in den tertiären subapenninischen Gebirgen. Italiens Tertiär-Gebilde und deren organische Einschlüsse*. Karl Groos, Heidelberg, xii + 176 p., 1 pl. <https://www.biodiversitylibrary.org/page/39170075>
- BRONN H. G. 1834-1838. — *Lethaea geognostica oder Abbildungen und Beschreibungen der für die Gebirgs-Formationen bezeichnendsten Versteinerungen*. Schweitzerbart, Stuttgart, Vol. 1: 1-544 p. (p. 1-96 [1834]; 97-192 [1835]; 193-288, 384-480 [1836]; 481-544 [1838 (?1837)]). Vol. 2: 545-1346 + 4 p. unpaginated errata (p. 545-768 [1837]; 769-1346 [1838]); Atlas, 47 pls. [1837]. <https://doi.org/10.5962/bhl.title.59080>
- BROWN G. H. 1978. — On *Tritonia manicata* Deshayes, 1853, a dendronotacean nudibranch (Gastropoda, Opisthobranchia) new to the British fauna. *Journal of Conchology* 29 (6): 305-308. <https://www.biodiversitylibrary.org/page/63089179>
- BROWN L. G. & NEVILLE B. D. 2015. — Catalogue of the Recent taxa of the families Epitoniidae and Nystiellidae (Mollusca: Gastropoda) with a bibliography of the descriptive and systematic literature. *Zootaxa* 3907 (1): 1-188. <https://doi.org/10.11646/zootaxa.3907.1.1>
- BROWN T. 1849. — *Illustrations of the Fossil Conchology of Great Britain and Ireland, with Descriptions and Localities of all the Species*. Smith, Elder & Co., London and MacLachlan & Stewart, Edinburgh, viii + 273 p., 98 pls. <https://www.biodiversitylibrary.org/page/57791978>
- BRUGUIÈRE J. G. 1792. — *Tableau encyclopédique et méthodique des trois règnes de la nature. Vers, coquilles, mollusques et polypiers*. Part 10 [Livraison 49, May 1792]: Tome 1: 85-132; Tome 2: pl. 96-189. Panckoucke, Paris.
- BRUNETTI M. M. 2013. — La famiglia Potamididae Adams H. & A., 1854 (Gastropoda: Cerithioidea) nel Plio-Pleistocene italiano. *Bollettino Malacologico* 49 (1): 58-80. <https://www.biodiversitylibrary.org/page/51214489>
- BRUNETTI M. M., DELLA BELLA G., FORLI M. & VECCHI G. 2011. — La famiglia Cancellariidae Forbes & Hanley, 1851 nel Plio-Pleistocene italiano: note sui generi *Bivetiella*, *Svelia*, *Calcarata*, *Solatia*, *Trigonostoma* e *Brocchinia* (Gastropoda). *Bollettino Malacologico* 47 (2): 85-130. <https://www.biodiversitylibrary.org/page/51243757>



BRUNETTI M., MAURO G., DELLA BELLA G. & CRESTI M. 2017. — La famiglie Buccinidae Rafinesque, 1815, nel Plio-Pleistocene del Bacino mediterraneo: i generi *Chauvetia* Monterosato, 1884, *Buccinum* Linnaeus, 1758, *Neptunea* Röding, 1798 (Gastropoda) con descrizione di cinque nuove specie. *Bollettino Malacologico* 53 (1): 9-29. <https://www.biodiversitylibrary.org/page/59518113>

BRUSINA Š. 1866. — *Contribuzione pella fauna dei molluschi Dalmati*. R. Società Zoologico-Botanica, Vienna, ii + 134 p., 1 pl. <https://www.biodiversitylibrary.org/page/11111032>

BRUSINA Š. 1874. — *Fossile Binnen-Mollusken aus Dalmatien, Kroatien und Slavonien nebst einem Anhang*. Actienbuchdruckerei, Agram, p. v + 138-144, 7 pls. <https://doi.org/10.5962/bhl.title.159142>

BUCQUOY M. E. J., DAUTZENBERG P. & DOLLFUS G. F. 1882-1898. — *Les mollusques marins du Roussillon*. Baillière, Paris. 2 vols. Collations on reverse of volume title pages. Also published in the *Bulletin de la Société d'Études Scientifiques de Paris*, with different pagination, but apparently no change in publication dates. Only those sections cited with page number herein are listed in the following. <https://doi.org/10.5962/bhl.title.12671>

Vol.	Fascicule	Pages	Plates	Date
1	5	197-222	21-25	January 1884
2	16	61-112	12-21	May 1889
2	20	273-320	45-51	May 1892
2	21	321-388	52-59	November 1893
2	22	389-450	60-67	December 1893

BUVIGNIER A. 1843. — Mémoire sur quelques fossiles nouveaux des départements de la Meuse et des Ardennes. *Mémoires de la Société philomathique de Verdun* 2: 225-252, pl. 2-6. <https://gallica.bnf.fr/ark:/12148/bpt6k33632k/f229.item>

BUVIGNIER A. 1852. — *Statistique géologique, minéralogique, minéralurgique et paléontologique du département de la Meuse*. Baillière, Paris, li + 694 p., 32 pl.; Atlas, 20 p., 32 pls. <https://patrimoine.sorbonne-universite.fr/idurl/1/2284>

CAHUZAC B., LESPORT J.-F. & LAGARDE L. 2004. — Révision des Cancellariidae (Mollusca, Gastropoda) décrites par Grateloup (1827-1847) dans le Miocène des Landes (SW France). *Geodiversitas* 26 (2): 207-261.

CAILLIEZ J. C. 1984. — Petite histoire et grandes coquilles. *Bulletin de la Société internationale de Conchyliologie* 5 (4): 1-22.

CAILLIEZ J. C. 1995. — *Notice sur les collections malacologiques du Muséum d'Histoire naturelle de Genève*. Amis du Muséum, Geneva, 49 p.

CAILLIEZ J. C. & FINET Y. 1997. — Benjamin Delessert (1773-1847) et la malacologie. *Bulletin de la Société internationale de Conchyliologie* 19 (3): 1-44 [Deshayes, p. 35].

CALLOMON P. & SNYDER M. A. 2007. — On the genus *Fusinus* in Japan III: nine further species, with type selections. *Venus* 66 (1-2): 19-47.

CALZADA S., CORBACHO J. & MORENO E. 2021. — *Phasianella ungeri* Vilanova, 1868 = *Pictavia laevigata* (Deshayes in Leymerie, 1842). *Scripta Musei Geologici Barcinonensis. Ser. Palaeontologica* 28: 4-7.

CALZADA S., ROYO C. & DE ISAAC M. 2013. — Sobre algunas núculas cretácicas. *Batalleria* 18: 32-36, pl. 1.

CALZADA S. & URQUIOLA M. 1999. — Revisión de "*Mytilus vilanovae*" Lánderer (Bivalvo Cretácico). *Revista Espanola de Paleontología* 14 (2): 293-295.

CÁRDINAS J., BAJO I. & MAESTRE M. V. 2017. — Estudio paleontológico de los bivalvos (Mollusca) del Turtoniense superior de Arroyo Trujillo, Cantillana (Sevilla). *Spanish Journal of Palaeontology* 32 (2): 367-386. <https://doi.org/10.7203/sjp.32.2.17049>

CARMONA L., LEI B. R., POLA M., GOSLINER T. M., VALDÉS Á. & CERVERA J. L. 2014. — Untangling the *Spurilla neapolitana* (Delle Chiaje, 1841) species complex: a review of the genus *Spurilla* Bergh, 1864 (Mollusca: Nudibranchia: Aeolidiidae). *Zoological Journal of the Linnean Society* 170: 132-154. <https://doi.org/10.1111/zoj.12098>

CARPENTER P. P. 1857. — *Catalogue of the Reigen Collection of Mazatlan Mollusca in the British Museum*. Oberlin, Warrington, 552 p. <https://doi.org/10.5962/bhl.title.100008>

CARPENTER W. B., PARKER W. K. & JONES J. R. 1862. — *Introduction to the Study of the Foraminifera*. The Ray Society, London, xxii + 319 p., 22 leaves of pls. <https://doi.org/10.5962/bhl.title.9133>

CARROZZA F. 1983. — *Diplodonta brocchii* (Deshayes, 1850). *Bollettino Malacologico* 19 (5-8): 141-144. <https://www.biodiversitylibrary.org/page/49923327>

CARTER H. J. 1870. — On *Anthozoanthus parasiticus*, Deshayes, ms. (Algiers). *Annals and Magazine of Natural History* (4) 5 (30): 449. <https://doi.org/10.1080/00222937008696192>

CARTER J. G. 2011. — Appendix 2. New genera and species, in CARTER J. G. et al. (eds), A synoptical classification of the Bivalvia (Mollusca). *Paleontological Contributions* 4: 21-27. <https://doi.org/10.17161/PC.1808.8287>

CARTER J. G., MCDOWELL T. & NAMBOODIRI N. 2008. — The identity of *Gastrochaena cuneiformis* Spengler, 1783, and the evolution of *Gastrochaena*, *Rocellaria*, and *Lamychaena* (Mollusca, Bivalvia, Gastrochaenoidea). *Journal of Paleontology* 82 (1): 102-117. <https://doi.org/10.1666/04-066.1>

CARVALHO DE LIMA T., DE C. OLIVEIRA C. D. & ABSALÃO R. S. 2020. — Small, rare and little known: new records and species of *Cardiomya* (Bivalvia: Cuspidariidae) from Brazil. *European Journal of Taxonomy* 619: 1-20. <https://doi.org/10.5852/ejt.2020.619>

CASTRO J. M., TANES Y., GARCÍA R., ALONSO M. R. & IBÁÑEZ M. 2014. — A new species of *Janulus* (Gastropoda: Pulmonata: Gastrodontiidae) from La Palma Island (Canary Archipelago). *Journal of Conchology* 41 (6): 743-746.

CATE C. N. 1967. — The rediscovery of *Erosaria menkeana* (Deshayes, 1963). *The Veliger* 10 (2): 198-199, pl. 20. <https://www.biodiversitylibrary.org/page/42413929>

CAZE B., MERLE D., PACAUD J.-M. & SAINT MARTIN J.-P. 2010. — First systematic study using the variability of the residual colour patterns: the case of the Paleogene Seraphsidae (Mollusca, Gastropoda, Stromboidea). *Geodiversitas* 32 (3): 417-477. <https://doi.org/10.5252/g2010n3a4>

CAZE B., MERLE D., LE MEUR M., PACAUD J.-M., LEDON D. & SAINT MARTIN J.-P. 2011. — Taxonomic implications of the residual colour patterns of ampullinid gastropods and their contribution to the discrimination from naticids. *Acta Palaeontologica Polonica* 56 (2): 329-347. <https://doi.org/10.4202/app.2009.0084>

CAZE B., MERLE D., SAINT MARTIN J.-P. & PACAUD J.-M. 2012. — Les mollusques éocènes se dévoilent sous ultraviolets, in MERLE D. (ed.), Les coquillages de l'Éocène du Bassin parisien, un trésor inestimable vieux de 40 millions d'années. *Fossiles. Revue française de Paléontologie*, hors-série 3: 15-56, pls 1-23.

CECALUPO A. 1988. — Rinvenimento di specie rara al largo della Sardegna sud-orientale (Contributo IV). *Bollettino Malacologico* 24: 33-39, pls 1-2. <https://www.biodiversitylibrary.org/page/49931715>

CERNOHORSKY W. P. 1976. — The Mitridae of the world. Part I. The subfamily Mitrinae. *Indo-Pacific Mollusca* 3 (17): 273-528, pls 248-466. <https://www.biodiversitylibrary.org/page/46320643>

CERNOHORSKY W. P. 1982. — The taxonomic status of *Cronia fiscella* (Gmelin, 1791) and *C. margariticola* (Broderip, 1833) (Gastropoda: Muricidae). *Records of the Auckland Institute and Museum* 19: 113-124. <https://www.jstor.org/stable/42906313>

CERNOHORSKY W. P. 1984. — Systematics of the family Nassariidae (Mollusca: Gastropoda). *Bulletin of the Auckland Institute and Museum* 14: i-iv + 1-356. <https://www.biodiversitylibrary.org/page/59858109>

CHELOT É. 1885. — Rectification pour servir à l'étude de la faune éocène du bassin de Paris. *Bulletin de la Société géologique de France* 3 (13): 191-203. <https://www.biodiversitylibrary.org/page/47255865>

CHEMNITZ J. H. 1781. — *Neuer systematisches Conchylien-Cabinet*. Vol. 5. Nürnberg (G. N. Raspe), [viii] + [xii] + 324 p., pls 160-193. <https://doi.org/10.5962/bhl.title.43760>

- CHENU J. C. 1843 [1842-1853]. — *Illustrations conchyliologiques ou description et figures de toutes les coquilles connues vivantes et fossiles, classées suivant le système de Lamarck modifié d'après les progrès de la science et comprenant les genres nouveaux et les espèces récemment découvertes*. Franck, Paris, 85 parts in 5 vols. [*Cras-satella* pls 4-5 published in 1843]. Collation from: Sherborn & Smith (1911) and Johnson (1963).
- CHEVALLIER H. 1969. — Mollusques subfossiles récoltés par M. Henry Lhote dans le sud Oranais et le Sahara. *Bulletin du Muséum d'Histoire naturelle*, sér. 2, 11 (5): 266-294. <https://www.biodiversitylibrary.org/page/55599210>
- CHINO M. & TERRY Y. 2019. — *Hastula strigilata* revisited: part I. Pacific Japan, with the description of two new species (Gastropoda: Noda: Terebridae). *Gloria Maris* 57 (4): 110-115, pl. 1.
- CHRISTIAENS J. 1986. — Notes sur quelques Patellidae (Gastropoda) de l'Océan Indien. *Apex* 1 (4): 97-112, pls 1-4. <https://www.biodiversitylibrary.org/page/41551188>
- CLAREMONT M., REID D. G. & WILLIAMS S. T. 2011. — Evolution of corallivory in the gastropod genus *Drupella*. *Coral Reefs* 30: 977-990. <https://doi.org/10.1007/s00338-011-0788-5>
- CLAREMONT M., VERMEIJ G. J., WILLIAMS S. T. & REID D. G. 2012. — Global phylogeny and new classification of the Rapaninae (Gastropoda: Muricidae), dominant molluscan predators on tropical rocky seashores. *Molecular Phylogenetics and Evolution* 66: 91-102. <https://doi.org/10.1016/j.ympev.2012.09.014>
- CLEEVELY R. J. 1974. — The Sowerbys, the *Mineral Conchology*, and their fossil collection. *Journal of the Society for the Bibliography of Natural History* 6 (6): 418-481. <https://doi.org/10.3366/jbnh.1974.6.6.418>
- CLEEVELY R. J. 1983. — *World Palaeontological Collections*. British Museum (Natural History), London, 365 p.
- CLENCH W. J. 1957. — A catalogue of the Cerionidae (Mollusca – Pulmonata). *Bulletin of the Museum of Comparative Zoology at Harvard College* 116 (2): 119-169. <https://www.biodiversitylibrary.org/page/2789647>
- CLENCH W. J. & TURNER R. D. 1946. — The genus *Bankia* in the western Atlantic. *Johnsonia* 2 (19): 1-28. <https://www.biodiversitylibrary.org/page/41155740>
- CLENCH W. J. & TURNER R. D. 1962. — New names introduced by H. A. Pilsbry in the Mollusca and Crustacea. *Academy of Natural Sciences of Philadelphia, Special Publication* 4: 1-218. <https://www.biodiversitylibrary.org/page/5890766>
- CLENCH W. J. & TURNER R. D. 1964. — Monographs of the genera *Megalacron* and *Rhytidoconcha* (Papuinae: Camaenidae). *Journal of the Malacological Society of Australia* 1 (8): 36-71, pl. 8-11. <https://doi.org/10.1080/00852988.1964.10673808>
- CLIMO F. M. 1972. — The reinstatement of *Maetra murchisoni* Deshayes, 1854 (Mollusca: Bivalvia: Mactridae). *Records of the Dominion Museum* 8 (5): 99-105.
- COAN E. V. 2002. — Recent eastern Pacific species of *Sanguinolaria* and *Psammotella* (Bivalvia: Psammobiidae). *The Nautilus* 116 (1): 1-12. <https://www.biodiversitylibrary.org/page/8270570>
- COAN E. V. & KABAT A. R. 2012. — The malacological works and taxa of Sylvanus Hanley (1819-1899). *Malacologia* 55 (2): 285-359. <https://doi.org/10.4002/040.055.0208>
- COAN E. V. & KABAT A. R. 2017. — The malacological contributions of Rudolph Amandus Philippi (1808-1904). *Malacologia* 60 (1-2): 31-322. <https://doi.org/10.4002/040.060.0108>
- COAN E. V. & VALENTICH-SCOTT P. 2012. — Bivalve seashells of tropical west America. Marine bivalve mollusks from Baja California to northern Perú. Santa Barbara, California: Santa Barbara Museum of Natural History. *Monographs* 6: 1-1257.
- COAN E. V., VALENTICH-SCOTT P. & BERNARD F. R. 2000. — *Bivalve Seashells of the Northeastern Pacific; Marine Bivalve Mollusks from Arctic Alaska to Baja California*. Museum of Natural History, Santa Barbara, viii + 764 p.
- COLLETÉ C., FRICOT C., KOLLMANN H., MATRION B. & PACAUD J.-M. 2010. — *L'inventaire du contenu paléontologique. Embranchement Mollusca*, in COLLETÉ C. (ed.), *Stratotype Albien*. Muséum national d'Histoire naturelle, Paris; Biotope, Mèze; BRGM, Orléans: 72-83 on CD-ROM (Patrimoine géologique; 2).
- COLLIN R. 2005. — Development, phylogeny, and taxonomy of *Bostrycapulus* (Caenogastropoda: Calyptraeidae), an ancient cryptic radiation. *Zoological Journal of the Linnean Society* 144 (2): 75-101. <https://doi.org/10.1111/j.1096-3642.2005.00162.x>
- COMBER E. 1906. — A list of the marine Mollusca in the Bombay Natural History Society's collection. *The Journal of the Bombay Natural History Society* 17 (1): 207-218. <https://www.biodiversitylibrary.org/page/30119371>
- CONNOLLY M. 1912. — Note on the existence of two editions of Férussac's *Tableaux systématiques*. *Proceedings of the Malacological Society of London* 10 (2): 53. <https://www.biodiversitylibrary.org/page/15237012>
- CONNOLLY M. 1939. — A monographic survey of South Africa non-marine Mollusca. *Annals of the South African Museum* 33: 1-660, pls 1-19. <https://www.biodiversitylibrary.org/page/40865351>
- CONRAD T. A. 1847. — Observations on the Eocene formation, and descriptions of one hundred and five new fossils from that period, from the vicinity of Vicksburg, Mississippi, with an Appendix. *Proceedings of the Academy of Natural Sciences of Philadelphia* 3 (11): 280-299. <https://www.biodiversitylibrary.org/page/1659549>
- COOPER M. R. 2015a. — On the Pteroptrigoniidae (Bivalvia, Trigoniina): their biogeography, evolution, classification and relationships. *Neues Jahrbuch für Geologie und Paläontologie, Abhandlungen* 277 (1): 11-42. <https://doi.org/10.1127/njgpa/2015/0488>
- COOPER M. R. 2015b. — On the Rutitrigoniidae (Bivalvia: Trigoniina); their palaeobiogeography, evolution and classification. *Neues Jahrbuch für Geologie und Paläontologie, Abhandlungen* 278 (2): 159-173. <https://doi.org/10.1127/njgpa/2015/0521>
- COOPER M. R. 2020. — On the Quadratotrigoniinae (Trigoniina: Myophorelloidea), their palaeobiogeography, evolution and classification. *Durban Natural Science Museum Novitates* 39: 1-48.
- COSEL R. VON & GOFAS S. 2019. — *Marine Bivalves of Tropical West Africa from Rio del Oro to Southern Angola*. Muséum national d'Histoire naturelle, Paris, 1104 p. <https://doi.org/10.1111/maec.12622> (Faune et Flore tropicales; 48).
- COSSIGNANI T. & ARDOVINI R. 2011. — *Malacologia Mediterranea*. L'Informatore Piceno, Ancona, 536 p.
- COSSMANN M. 1886a. — Catalogue illustré des coquilles fossiles de l'Éocène des environs de Paris faisant suite aux travaux paléontologiques de G.-P. Deshayes. 1er fascicule. *Annales de la Société royale malacologique de Belgique* 21: 17-186, pls 1-8. [Also published as Cossmann M. 1886a (October): *Catalogue illustré des coquilles fossiles de l'Éocène des Environs de Paris faisant suite aux travaux paléontologiques de G.-P. Deshayes. 1er fascicule*, Société royale malacologique de Belgique, Bruxelles, 174 p., 8 pls]. <http://biodiversitylibrary.org/page/5635834>
- COSSMANN M. 1886b. — Description d'espèces du terrain tertiaire des environs de Paris (suite). Rectifications de nomenclature. *Journal de Conchyliologie* 34 (1): 86-103, pl. 2. <https://www.biodiversitylibrary.org/page/16070977>
- COSSMANN M. 1887. — Catalogue illustré des coquilles fossiles de l'Éocène des environs de Paris faisant suite aux travaux paléontologiques de G.-P. Deshayes. 2ème fascicule. *Annales de la Société royale malacologique de Belgique* 22: 1-218, pls 1-8. [Also published as Cossmann M. 1887 (August). — *Catalogue illustré des coquilles fossiles de l'Éocène des Environs de Paris faisant suite aux travaux paléontologiques de G.-P. Deshayes. 2ème fascicule*, Société royale malacologique de Belgique, Bruxelles, 218 p., 8 pls]. <https://www.biodiversitylibrary.org/page/41213509>
- COSSMANN M. 1888. — Catalogue illustré des coquilles fossiles de l'Éocène des environs de Paris faisant suite aux travaux paléontologiques de G.-P. Deshayes. 3ème fascicule. *Annales de la Société royale malacologique de Belgique* 23: 3-324, pls 1-12. [Also published as Cossmann M. 1888. — *Catalogue illustré des coquilles fossiles de l'Éocène des environs de Paris faisant suite*



- aux travaux paléontologiques de G.-P. Deshayes. 3<sup>ème</sup> fascicule. Société royale malacologique de Belgique, Bruxelles, 328 p., 12 pls]. <https://www.biodiversitylibrary.org/page/5609412>
- COSSMANN M. 1889. — Catalogue illustré des coquilles fossiles de l'Éocène des environs de Paris faisant suite aux travaux paléontologiques de G.-P. Deshayes. 4<sup>ème</sup> fascicule. *Annales de la Société royale malacologique de Belgique* 24: 3-381, pls 1-12. [Also published as Cossmann M. 1889 (December). — *Catalogue illustré des coquilles fossiles de l'Éocène des environs de Paris faisant suite aux travaux paléontologiques de G.-P. Deshayes. 4<sup>ème</sup> fascicule*, Société royale malacologique de Belgique, Bruxelles, 385 p., 12 pls]. <https://www.biodiversitylibrary.org/page/5502754>
- COSSMANN M. 1892. — Catalogue Illustré des coquilles fossiles de l'Éocène des Environs de Paris faisant suite aux travaux paléontologiques de G.-P. Deshayes. 5<sup>ème</sup> fascicule et Supplément. Tables. *Annales de la Société royale malacologique de Belgique* 26: 3-163, pls 1-3. [Also published as Cossmann M. 1892 (July). — *Catalogue illustré des coquilles fossiles de l'Éocène des environs de Paris faisant suite aux travaux paléontologiques de G.-P. Deshayes. 5<sup>ème</sup> fascicule et Supplément. Tables*, Société royale malacologique de Belgique, Bruxelles, 167 p., 3 pls]. <https://www.biodiversitylibrary.org/page/5588976>
- COSSMANN M. 1893. — Révision sommaire de la faune du terrain Oligocène marin aux environs d'Étampes (suite). *Journal de Conchyliologie* 40 (4): 330-375, pl. 9. <https://www.biodiversitylibrary.org/page/25234637>
- COSSMANN M. 1894. — Révision sommaire de la faune du terrain Oligocène marin aux environs d'Étampes (suite). *Journal de Conchyliologie* 41 (4): 297-363, pl. 10. [Also published as Cossmann M. 1894. — *Révision sommaire de la faune du terrain oligocène marin aux environs d'Étampes (suite)*. l'Auteur, Paris, 67 p., 1 pl.]. <https://www.biodiversitylibrary.org/page/15861920>
- COSSMANN M. 1895. — *Essais de paléoconchologie comparée. 1<sup>ère</sup> livraison*, l'Auteur & Comptoir géologique, Paris, 159 p., 7 pls. <https://www.biodiversitylibrary.org/page/36852875>
- COSSMANN M. 1896. — Appendice no. 2 au Catalogue illustré des coquilles fossiles de l'Éocène des environs de Paris. *Annales de la Société royale malacologique de Belgique* 31: 3-94, pl. 1-3. [Also published as Cossmann M. 1896: *Catalogue illustré des coquilles fossiles de l'Éocène des environs de Paris faisant suite aux travaux paléontologiques de G.-P. Deshayes. Appendice n° 2*, Société royale malacologique de Belgique, Bruxelles, 96 p., 3 pls]. <https://www.biodiversitylibrary.org/page/5606401>
- COSSMANN M. 1899a. — Rectifications de nomenclature. *Revue critique de Paléozoologie* 3 (3): 133-139. <https://www.biodiversitylibrary.org/page/14498412>
- COSSMANN M. 1899b. — Rectifications de nomenclature. *Revue critique de Paléozoologie* 3 (4): 176-178. <https://www.biodiversitylibrary.org/page/144798455>
- COSSMANN M. 1904a. — Paléoconchologie [reviews of other works]. *Revue critique de Paléozoologie* 8 (3): 160-171. <https://www.biodiversitylibrary.org/page/14479861>
- COSSMANN M. 1904b. — Rectifications de nomenclature. *Revue critique de Paléozoologie* 8 (3): 197-198. <https://www.biodiversitylibrary.org/page/14479898>
- COSSMANN M. 1904c. — *Melania distorta* DeFrance, 1823. *Palaeontologia Universalis*, Centuria 1, 1 (2): 41-41a. <https://www.biodiversitylibrary.org/page/14484550>
- COSSMANN M. 1907. — Appendice no. 4 au Catalogue illustré des coquilles fossiles de l'Éocène des environs de Paris. *Annales de la Société royale malacologique de Belgique* 41: 186-286, pls 5-10 (February). [Also published as Cossmann M. 1907 (March). — *Catalogue illustré des coquilles fossiles de l'Éocène des environs de Paris faisant suite aux travaux paléontologiques de G.-P. Deshayes. Appendice no. 4*, Société royale malacologique de Belgique, Bruxelles, 105 p., 6 pls]. <https://www.biodiversitylibrary.org/page/5599125>
- COSSMANN M. 1913. — Appendice no. 5 au Catalogue illustré des coquilles fossiles de l'Éocène des environs de Paris. *Annales de la Société royale zoologique et malacologique de Belgique* 49: 19-238, pls 1-8. [Also published as Cossmann M. 1913 (October). — *Catalogue illustré des coquilles fossiles de l'Éocène des environs de Paris faisant suite aux travaux paléontologiques de G.-P. Deshayes. Appendice no. 5*, Société royale malacologique de Belgique, Bruxelles, 224 p., 8 pls]. <https://www.biodiversitylibrary.org/page/5610647>
- COSSMANN M. 1919. — Supplément aux mollusques éocéniques de la Loire-Inférieure. *Bulletin de la Société des Sciences naturelles de l'Ouest de la France* 3 (5): 53-141, pls 1-4. [Also published as Cossmann M. 1919. — *Supplément aux mollusques éocéniques de la Loire-inférieure*, Muséum d'Histoire naturelle, Nantes, 89 p., 4 pls]. <https://www.biodiversitylibrary.org/page/5846162>
- COSSMANN M. 1921. — *Essais de Paléoconchologie comparée. 12<sup>ème</sup> livraison*, l'Auteur, Paris, 349 p., pls A-D & 1-6. <https://www.biodiversitylibrary.org/page/37199512>
- COSSMANN M. & LAMBERT J. 1884. — Étude paléontologique et stratigraphique sur le terrain oligocène marin aux environs d'Étampes. *Mémoires de la Société géologique de France* 3 (3): 1-187, pls 1-6. <https://gallica.bnf.fr/ark:/12148/bpt6k5453851b.texteImage>
- COSSMANN M. & PEYROT A. 1909a. — Conchologie néogénique de l'Aquitaine (Pelecypoda). *Actes de la Société linnéenne de Bordeaux* 63 (2): 73-144, pls 1-4. <https://www.biodiversitylibrary.org/page/31754338>
- COSSMANN M. & PEYROT A. 1909b. — Conchologie néogénique de l'Aquitaine (Pelecypoda). *Actes de la Société linnéenne de Bordeaux* 63 (3): 145-232, pls 5-7. <https://www.biodiversitylibrary.org/page/31754422>
- COSSMANN M. & PEYROT A. 1909c. — Conchologie néogénique de l'Aquitaine (Pelecypoda). *Actes de la Société linnéenne de Bordeaux* 63 (4): 233-293 [18 December]. <https://www.biodiversitylibrary.org/page/31754510>
- COSSMANN M. & PEYROT A. 1910. — Conchologie néogénique de l'Aquitaine (Pelecypoda). *Actes de la Société linnéenne de Bordeaux* 64 (5): 289-400. <https://www.biodiversitylibrary.org/page/32056104>
- COSSMANN M. & PEYROT A. 1911. — Conchologie néogénique de l'Aquitaine (Pelecypoda). *Actes de la Société linnéenne de Bordeaux* 65 (2): 51-98. <https://www.biodiversitylibrary.org/page/31787226>
- COSSMANN M. & PEYROT A. 1912a. — Conchologie néogénique de l'Aquitaine (Pelecypoda). *Actes de la Société linnéenne de Bordeaux* 65 (3): 99-178. <https://www.biodiversitylibrary.org/page/31787274>
- COSSMANN M. & PEYROT A. 1912b. — Conchologie néogénique de l'Aquitaine (Pelecypoda). *Actes de la Société linnéenne de Bordeaux* 65 (4): 179-333, pls 19-28. <https://www.biodiversitylibrary.org/page/31787354>
- COSSMANN M. & PEYROT A. 1912c. — Conchologie néogénique de l'Aquitaine (Pelecypoda). *Extraits des Actes de la Société linnéenne de Bordeaux* 1 (3): 429-718, pl. 19-28.
- COSSMANN M. & PEYROT A. 1912d. — Conchologie néogénique de l'Aquitaine (Pelecypoda). *Actes de la Société linnéenne de Bordeaux* 66 (2): 121-168. <https://www.biodiversitylibrary.org/page/32183255>
- COSSMANN M. & PEYROT A. 1913a. — Conchologie néogénique de l'Aquitaine (Pelecypoda). *Actes de la Société linnéenne de Bordeaux* 66 (4): 233-324, pls 1-10. <https://www.biodiversitylibrary.org/page/32183367>
- COSSMANN M. & PEYROT A. 1913b. — Conchologie néogénique de l'Aquitaine (Pelecypoda). *Extraits des Actes de la Société linnéenne de Bordeaux* 2 (1): 1-204, pls 1-10.
- COSSMANN M. & PEYROT A. 1914. — Conchologie néogénique de l'Aquitaine (Pelecypoda). *Actes de la Société linnéenne de Bordeaux* 68 (1): 5-96. <https://www.biodiversitylibrary.org/page/31784490>
- COSSMANN M. & PEYROT A. 1917a. — Conchologie néogénique de l'Aquitaine (Gastropodes). *Actes de la Société linnéenne de Bordeaux* 69 (3): 157-284. <https://www.biodiversitylibrary.org/page/31657755>

- COSSMANN M. & PEYROT A. 1917b. — Conchologie néogénique de l'Aquitaine (Gastropodes). *Extraits des Actes de la Société linnéenne de Bordeaux* 3 (1): 1-384, pls 1-10.
- COSSMANN M. & PEYROT A. 1922. — Conchologie néogénique de l'Aquitaine (Gastropodes). *Actes de la Société linnéenne de Bordeaux* 73: 5-321, pls 1-7. <https://www.biodiversitylibrary.org/page/31662051>
- COSSMANN M. & PEYROT A. 1924a. — Conchologie néogénique de l'Aquitaine (Gastropodes). *Actes de la Société linnéenne de Bordeaux* 75 (2): 71-144. <https://www.biodiversitylibrary.org/page/32207242>
- COSSMANN M. & PEYROT A. 1924b. — Conchologie néogénique de l'Aquitaine (Gastropodes). *Actes de la Société linnéenne de Bordeaux* 75 (3): 193-318, pls 8-18. <https://www.biodiversitylibrary.org/page/32207388>
- COTTEAU G., PERON A. & GAUTHIER V. 1881. — *Échinides fossiles de l'Algérie: Étage Sénonien* 2 (7): 1-118, 8 pls. <https://www.biodiversitylibrary.org/page/11235242>
- COUFFON O. 1907. — Le Miocène en Anjou. *Bulletin de la Société d'Études scientifiques d'Angers* (n.s.) 36: 157-196, pls 1-2. <https://www.biodiversitylibrary.org/page/54724425>
- COUNTS C. L. III 1991. — *Corbicula* (Bivalvia: Corbiculidae). *Tryonia* 21: i-ii + 1-134. <https://www.biodiversitylibrary.org/page/55474828>
- COURVILLE P., PACAUD J.-M., MERLE D. & LEBRUN P. 2012. — Le Lutétien de Damery (Marne, France) – géologie, environnements, associations de bivalves et gastéropodes, in MERLE D. (ed.), Les coquillages de l'Éocène du Bassin parisien, un trésor inestimable vieux de 40 millions d'années. *Fossiles. Revue française de Paléontologie*, hors-série 3: 57-72, pls 1-11.
- COUTHOUY J. P. 1839. — Monograph on the family Osteodesmacea of Deshayes, with remarks on two species of Patelloidea, and descriptions of new species of marine shells, a species of *Anculotus*, and one of *Eolis*. *Boston Journal of Natural History* 2 (2): 129-189. <http://biodiversitylibrary.org/page/32266787>
- COWAN C. F. 1971. — On Guérin's *Iconographie*, particularly the insects. *Journal of the Society for the Bibliography of Natural History* 6 (1): 18-29. <https://doi.org/10.3366/jsbnh.1971.6.1.18>
- COWAN C. F. 1976. — On the disciples' edition of Cuvier's *Règne animal*. *Journal of the Society for the Bibliography of Natural History* 8 (1): 32-64. <https://doi.org/10.3366/jsbnh.1976.8.1.32>
- COWIE R. H. 2015. — The Recent apple snails of Africa and Asia (Mollusca: Gastropoda: Ampullariidae: *Afropomus*, *Forbesopomus*, *Lanistes*, *Pila*, *Saulea*): a nomenclatural and type catalogue. The apple snails of the Americas: addenda and corrigenda. *Zootaxa* 3940: 1-92. <https://doi.org/10.11646/zootaxa.3940.1.1>
- COWIE R. H. & HÉROS V. 2012. — Annotated catalogue of the types of Ampullariidae (Mollusca, Gastropoda in the Muséum national d'Histoire naturelle, with lectotype designations. *Zoosystema* 34 (4): 793-824. <https://doi.org/10.5252/z2012n4a8>
- COWIE R. H. & THIENGO S. C. 2003. — The apple snails of the Americas (Mollusca: Gastropoda: Ampullariidae: *Asolene*, *Feloponea*, *Marisa*, *Pomacea*, *Pomella*): a nomenclatural and type catalogue. *Malacologia* 45 (1): 41-100. <https://www.biodiversitylibrary.org/page/25129402>
- COX L. R. 1942. — Publication dates of *Traité élémentaire de conchyliologie* by G. P. Deshayes. *Proceedings of the Malacological Society of London* 25 (3): 94-95. <https://doi.org/10.1093/oxfordjournals.mollus.a064432>
- COX L. R. 1946. — *Tutcheria* and *Pseudopsis*, new lamellibranch genera from the Lias. *Proceedings of the Malacological Society of London* 27 (1): 34-48, pls 3-4. <https://doi.org/10.1093/oxfordjournals.mollus.a064488>
- COX L. R. & ARKELL W. J. 1950. — A survey of the Mollusca of the British Great Oolite series. Primarily a nomenclatorial revision of the monographs by Morris and Lycett (1851-55). Lycett (1863) and Blake (1905-1907). Part II. *London: Palaeontographical Society* 103: xiv-xxiv + 49-105.
- COX L. R. *et al.* 1969. — *Treatise on Invertebrate Paleontology*. Part N. *Mollusca 6, Bivalvia*. Geological Society of America and the University of Kansas, Lawrence, Kansas, xxxviii + N1-N951.
- CRAIG B., TRACEY S., GAIN O., BELLARD L. & LE RENARD J. 2020. — Cymatiidae and Charoniidae (Gastropoda, Tonnoidea) from the Middle to Late Eocene of the Cotentin, NW France: a systematic revision. *Carnets de Voyages paléontologiques dans le Bassin Anglo-Parisien* 6: 1-94, pls 1-40.
- CRAME J. A. 1986. — Late Pleistocene molluscan assemblages from the coral reefs of the Kenya coast. *Coral Reefs* 4: 183-196. <https://doi.org/10.1007/BF00427940>
- CRETELLA M. 2010. — The complete collation and dating of the section *Zoologie* of the *Coquille* voyage. *Bollettino Malacologico* 46: 83-103. <https://www.biodiversitylibrary.org/page/51117488>
- CRIPPA G. & RAINERI G. 2015. — The genera *Glycymeris*, *Aequipecten* and *Arctica*, and associated mollusk fauna of the Lower Pleistocene Arda River section (northern Italy). *Rivista Italiana di Paleontologia e Stratigrafia* 121 (1): 61-101, pls 1-12. <https://doi.org/10.13130/2039-4942/6401>
- CROCETTA F., BONOMOLO G., ALBANO P. G., BARCO A., HOUART R. & OLIVERIO A. 2012. — The status of the northeastern Atlantic and Mediterranean small mussel drills of the *Ocenebra aciculata* complex (Mollusca: Gastropoda: Muricidae) with the description of a new species. *Scientia Martima* 71 (1): 177-189. <https://doi.org/10.3989/scimar.03395.02A>
- CROSSE H. 1862. — Nouvelles scientifiques. *Journal de Conchyliologie* 10 (4): 422-423. <https://www.biodiversitylibrary.org/page/15135137>
- CROSSE H. 1867. — Nouvelles scientifiques [collection de M. le Professeur Deshayes]. *Journal de Conchyliologie* 15 (4): 467. <https://www.biodiversitylibrary.org/page/15382399>
- CROSSE H. 1874 [Review of] — Description de quelques espèces de mollusques nouveaux ou peu connus, envoyés de Chine par M. l'abbé A. David. *Journal de Conchyliologie* 22 (3): 328-339. <https://www.biodiversitylibrary.org/page/15662048>
- CROSSE H. 1875a. — Note sur un espèce manuscrite de M. le professeur G.-P. Deshayes. *Journal de Conchyliologie* 23 (3): 223-225, pl. 9 [part]. <https://www.biodiversitylibrary.org/page/15674765>
- CROSSE H. 1875b. — Vente de la bibliothèque scientifique de M. le professeur G.-P. Deshayes. *Journal de Conchyliologie* 23 (4): 360-361. <https://www.biodiversitylibrary.org/page/15674906>
- CROSSE H. 1875c. — Vente de la bibliothèque conchyliologique et paléontologique de M. le professeur G.-P. Deshayes. *Journal de Conchyliologie* 24 (1): 136. <https://www.biodiversitylibrary.org/page/16071439>
- CROSSE H. & FISCHER P. 1876a. — Nécrologie. *Journal de Conchyliologie* 24 (1): 123-127 [reprinted: *Bulletin de la Société internationale de Conchyliologie* 18 (1): 14-15 (1996)]. <https://www.biodiversitylibrary.org/page/16071425>
- CROSSE H. & FISCHER P. 1876b. — Mollusques fluviatiles, recueillis au Cambodge, par la mission scientifique française de 1873. *Journal de Conchyliologie* 24 (4): 313-342 (pre-1 August). <https://www.biodiversitylibrary.org/page/16071628>
- CROSSE H. & FISCHER P. 1889. — *Histoire naturelle des mollusques*, in GRANDIDIER A. (ed.), *Histoire physique, naturelle et politique de Madagascar*. Vol. 25. Atlas. Imprimerie nationale, Paris, 26 pls. <https://www.biodiversitylibrary.org/page/12176824>
- CUEZZO M. G., DE LIMA A. P. & DOS SANTOS S. B. 2018. — *Solaropsis brasiliiana*, anatomy, range extension and its phylogenetic position within the Pleurodontiidae (Mollusca, Gastropoda, Stylommatophora). *Anais da Academia Brasileira de Ciências* 90 (3): 2753-2765. <https://doi.org/10.1590/0001-3765201820170261>
- CURRY D. 1960. — New names for some common English Lower Tertiary molluscs. *Proceedings of the Malacological Society of London* 33 (6): 265-277. <https://doi.org/10.1093/oxfordjournals.mollus.a064831>



- CURRY D. 1965. — The English Palaeogene pteropods. *Proceedings of the Malacological Society of London* 36 (6): 357-371. <https://doi.org/10.1093/oxfordjournals.mollus.a064966>
- CUTLER E. B. 1994. — *The Sipuncula: their systematics, biology, and evolution*. Comstock Publishing Associates, Ithaca, New York, xx + 453 p. <https://www.jstor.org/stable/10.7591/j.ctv75d0kq>
- CUTLER E. B. & CUTLER N. J. 1989. — A revision of the genus *Aspidosiphon* (Sipuncula: Aspidosiphonidae). *Proceedings of the Biological Society of Washington* 102 (4): 826-865. <https://www.biodiversitylibrary.org/page/34551216>
- CUVIER G. & BRONGNIART A. 1822. — *Description géologique des environs de Paris*. Dufour & d'Ocagne, Paris et Amsterdam, Errata + viii + 428 p, map, pls 1A-D, 2A-D, 3-11. <https://doi.org/10.5962/bhl.title.149831>
- DAGE J. 1998. — *Catalogue raisonné des mollusques bivalves d'eau douce Africains*. Backhuys/Orstom, Leiden/Paris, 329 p.
- DALL W. H. 1894. — Synopsis of the Mactridae of northwest America, south to Panama. *The Nautilus* 8 (4): 39-43. <https://www.biodiversitylibrary.org/page/43044635>
- DALL W. H. 1898. — Contributions to the Tertiary fauna of Florida, with especial reference to the silex beds of Tampa and the Pliocene beds of the Caloosahatchie River, including in many cases a complete revision of the generic groups treated of and their American Tertiary species. Part IV. Prionodesmacea. II. Telesdesmacea: *Teredo* to *Ervilia*. *Transactions of the Wagner Free Institute of Science of Philadelphia* 3 (4): viii + 571-974, pl. 23-35. <https://www.biodiversitylibrary.org/page/22597776>
- DALL W. H. 1899. — Synopsis of the Recent and Tertiary Lep-tonacea of North America and the West Indies. *Proceedings of the United States National Museum* 21 (1177): 873-897, pls 87-88. <https://biodiversitylibrary.org/page/15716992>
- DALL W. H. 1900. — Contributions to the Tertiary fauna of Florida, with especial reference to the silex beds of Tampa and the Pliocene beds of the Caloosahatchie River, including in many cases a complete revision of the generic groups treated of and their American Tertiary species. Part V. Teleodesmacea: *Solen* to *Diplodonta*. *Transactions of the Wagner Free Institute of Science of Philadelphia* 3 (5): 949-1218, pl. 36-47. <https://www.biodiversitylibrary.org/page/22598188>
- DALL W. H. 1906. — Note on *Vitrina pfeifferi* Deshayes. *The Nautilus* 19 (9): 107-108 [with added note by Pilsbry H. A.]. <https://www.biodiversitylibrary.org/page/1755682>
- DANCE S. P. 1986. — *A History of Shell Collecting*. E. J. Brill/W. Backhuys, Leiden, xv + 265 p., 32 pls [Deshayes, p. 138-139, 210].
- DAVIS G. M. 1979. — The origin and evolution of the gastropod family Pomatiopsidae, with emphasis on the Mekong River Triculinae. *Monographs of the Academy of Natural Sciences of Philadelphia* 20: 1-120.
- DAYRAT B., GOULDING T. C., APTE D., ASLAM S., BOURKE A., COMENDADOR J., KHALIL M., NGO X. Q., TAN S. K. & TAN S. H. 2020. — Systematic revision of the genus *Peronia* Fleming, 1822 (Gastropoda, Euthyneura, Pulmonata, Onchidiidae). *ZooKeys* 972: 1-224. <https://doi.org/10.3897/zookeys.972.52853>
- DECHASEAUX C. 1969. — Introduction [to Superfamily Hippuritacea Gray, 1948], in MOORE R. C. (ed.), *Treatise on Invertebrate Paleontology*. Part N, Volume 2. *Mollusca 6, Bivalvia*. Geological Society of America and the University of Kansas Press, Lawrence: N749-N751.
- DEFRANCE J.-L.-M. 1821. — Huitres. (Foss.). *Dictionnaire des Sciences naturelles*, Tome 22. Levrault, Strasbourg: 20-33. <https://www.biodiversitylibrary.org/page/23050857>
- DEFRANCE J.-L. M. 1823a. — Lucine. (Foss.). *Dictionnaire des Sciences naturelles*. Tome 27. Levrault, Strasbourg: 269-277. <https://www.biodiversitylibrary.org/page/25298238>
- DEFRANCE J.-L. M. 1823b. — Mélanie. (Foss.). *Dictionnaire des Sciences naturelles*. Tome 29. Levrault, Strasbourg: 465-471. <https://www.biodiversitylibrary.org/page/25299142>
- DEFRANCE J.-L. M. 1829. — *Volute (foss.)*. Dictionnaire des Sciences naturelles. Vol. 58 (Vert-Vy). Levrault, Strasbourg: 474-481. <https://www.biodiversitylibrary.org/page/25318289>
- DEKKER H. & ORLIN Z. 2000. — Check-list of Red Sea Mollusca. *Spirula* 47 (Supplement): 3-46. <https://natuurtijdschriften.nl/pub/595533>
- DE KONINCK L. G. 1841-1844. — *Description des animaux fossiles qui se trouvent dans le terrain carbonifère de Belgique*. P. Bertrand, Paris & A. Marcus, Bonn, iv + 649 p., pls A-H, 1-55 [p. 1-96 (1841); p. 97-240 (1842); p. 241-480 (1843); p. i-vi, 481-649 (1844); collation not covering plates].
- DE ROOIJ-SCHUILING L. A. 1972. — Systematic notes on the Mesodesmatidae (Mollusca, Bivalvia), and descriptions of a new species and a new subspecies. *Zoologische Mededelingen, Rijksmuseum van Natuurlijke Historie te Leiden* 46 (5): 55-68. <https://repository.naturalis.nl/pub/318223>
- DES MOULINS C. 1829. — Monographie de la clavagelle couronnée, Desh., espèce fossile. *Bulletin d'Histoire naturelle de la Société linnéenne de Bordeaux* 3 (17): 239-246, 1 pl. <https://www.biodiversitylibrary.org/page/33870934>
- DES MOULINS C. 1832. — Notice sur la répartition des espèces dans les genres *Solen*, *Solécourte*, *Sanguinolaire* et *Solételline*. *Actes de la Société linnéenne de Bordeaux* 5 (26): 92-115. <https://www.biodiversitylibrary.org/page/32927050>
- DES MOULINS C. 1842. — Révision des quelques espèces de pleurotomes. *Actes de la Société linnéenne de Bordeaux* 12 (36): 109-185. <https://www.biodiversitylibrary.org/page/32688788>
- DHONDT A. V. 1973. — Systematic revision of the Chlamydiae (Pectinidae, Bivalvia, Mollusca) of the European Cretaceous. Part 3: *Chlamys* and *Mimachlamys*. *Bulletin du Musée royal d'Histoire naturelle de Belgique* 49 (1): 1-134, pls 1-9.
- DHONDT A. V. 1984. — Bivalves from the Hochmoos Formation (Gosau-Group, Oberösterreich, Austria). *Annalen des Naturhistorischen Museums in Wien* 88 (A): 41-101. <https://www.jstor.org/stable/41701855>
- DHONDT A. V. 1985. — Late Cretaceous Bivalves from the A 10 Exposures in northern Aquitaine. *Cretaceous Research* 6: 33-74. [https://doi.org/10.1016/0195-6671\(85\)90027-8](https://doi.org/10.1016/0195-6671(85)90027-8)
- DIJKSTRA H. H. 1999. — Type specimens of Pectinidae (Mollusca: Bivalvia) described by Linnaeus (1758-1771). *Zoological Journal of the Linnean Society* 125 (4): 383-443. <https://doi.org/10.1111/j.1096-3642.1999.tb00599.x>
- DIJKSTRA H. H. & BEU A. G. 2018. — Living scallops of Australia and adjacent waters (Mollusca: Bivalvia: Pectinoidea: Propeamussiidae, Cyclochlamydidae and Pectinidae). *Records of the Australian Museum* 70 (2): 113-330. <https://doi.org/10.3853/j.2201-4349.70.2018.1670>
- DIJKSTRA H. H. & KNUDSEN J. 1998. — Some Pectinoidea (Mollusca: Bivalvia: Propeamussiidae, Pectinidae) of the Red Sea. *Molluscan Research* 19 (2): 43-104, pls 1-10. <https://doi.org/10.1080/13235818.1998.10673717>
- DO V. T., TUAN L. Q & BOGAN A. E. 2018. — Freshwater mussels (Bivalvia: Unionida) of Vietnam: Diversity, distribution, and conservation status. *Freshwater Mollusk Biology and Conservation* 23: 1-18. <https://doi.org/10.31931/fmbc.v21i1.2018.1-18>
- DOLIN L. & LOZOUET P. 2004. — Nouvelles espèces de gastéropodes (Mollusca: Gastropoda) de l'Oligocène et du Miocène inférieur de l'Aquitaine (Sud-Ouest de la France). Partie 3. Cypraeidae et Ovulidae. *Cossmanniana*, hors-série n° 4: 1-164, pls 1-36.
- DOLIN L. & PACAUD J.-M. 2009. — Les Cypraeoidea et Velutinoidea (Mollusca, Caenogastropoda) du Lutétien inférieur du Vicentin et du Véronais (nord-est de l'Italie). *Revue de Paléobiologie* 28 (2): 277-314, pls 1-8.
- DOLLFUS G.-F. & DAUTZENBERG P. 1886. — Étude préliminaire des coquilles fossiles de faluns de la Touraine. *La Feuille des Jeunes Naturalistes* 6 (187): 77-80; (188): 92-96 [reprinted with other parts, repaginated]. <https://www.biodiversitylibrary.org/page/44286530>

- DOLLFUS G.-F. & DAUTZENBERG P. 1901. — Nouvelle liste de pélicypodes et des brachiopodes fossiles du Miocène moyen du nord-ouest de la France. *Journal de Conchyliologie* 49 (3): 229-280 [reprinted and repaginated]. <https://www.biodiversitylibrary.org/page/15860394>
- DOLLFUS G.-F. & DAUTZENBERG P. 1902. — Conchyliologie du Miocène moyen du bassin de la Loire. Première Partie: Pélicypodes. *Mémoires de la Société géologique de France, Paléontologie* 27: 1-106, 5 pls. <https://www.biodiversitylibrary.org/page/51995031>
- DOMINICI S. & KOWALKE T. 2014. — Early Eocene cerithioidean gastropods of mangrove-fringed coasts (south-central Pyrenees, Spain). *Bollettino della Società Paleontologica Italiana* 53 (3): 137-162. <https://doi.org/10.4435/BSPI.2014.13>
- DONDIN-PAYRE M. 1995 [“1994”]. — La Commission d’Exploration Scientifique d’Algérie; une héritière méconnue de la Commission d’Égypte. *Mémoires de l’Académie des Inscriptions et Belles-Lettres, Institut de France* (n.s.) 14: 1-142.
- DRIVAS J. & JAY M. 1988. — *Coquillages de la Réunion et de l’île Maurice*. Delachaux et Niestlé, Paris, p. 159, 58 pls.
- DRIVAS J. & JAY M. 1990. — The Columbelloidea of Réunion Island (Mollusca: Gastropoda). *Annals of the Natal Museum* 31: 163-200. [https://doi.org/10.10520/AJA03040798\\_336](https://doi.org/10.10520/AJA03040798_336)
- DRIVAS J. & JAY M. 1997. — On a collection of Columbelloidea from the Red Sea. *Apex* 12 (1): 27-30. <https://www.biodiversitylibrary.org/page/42256669>
- DROUËT H., 1898. — *Unionidés du Bassin de la Seine*. J.-B. Baillière & Fils, Paris, 86 p., 1 pl.
- DUBOIS DE MONTPÉREUX F. DU 1831. — *Conchiologie fossile et aperçu géognostique des formations du Plateau Wolhyni-Podolien*. Simon Schropp, Berlin, iv + 76 p., 8 pls. <https://archive.org/details/conchiologiefos00montgoog>
- DUCLOS P. L. 1840. — *Genus Columbella. Histoire naturelle générale et particulière de tous les genres de coquilles univalves marines à l’état vivant et fossiles [...]* Firmin Didot Frères, Paris, 13 pls. <https://www.biodiversitylibrary.org/page/45200570>
- DUJARDIN F. 1837. — Mémoire sur les couches du sol en Touraine, et description des coquilles de la craie et des Faluns. *Mémoires de la Société géologique de France* 2 (2): 211-311, pl. 15-20. <https://www.biodiversitylibrary.org/page/42371007>
- EALIS N. B. 1960. — Revision of the world species of *Aphysia* (Gastropoda, Opisthobranchia). *Bulletin of the British Museum (Natural History)* 5 (10): 267-404. <https://www.biodiversitylibrary.org/page/2342260>
- EBERZIN A. G. 1959. — Solonovatovodnye Kardiidi Pliotsena SSSR. *Akademia Nauk SSSR, Trudy Paleontologicheskogo Instituta* 74: 1-196 + 3, pls 1-27.
- EDWARDS F. E. 1856. — A monograph of the Eocene Mollusca, or descriptions of shells from the older Tertiaries of England. Part 3.2: Prosobranchia (continued), *Monographs of the Palaeontographical Society*: 181-240, pl. 24-27. <https://doi.org/10.1080/02693445.1857.12023336>
- EDWARDS F. E. & WOOD S. V. 1849-1861. — A monograph of the Eocene Mollusca, or descriptions of shells from the older Tertiaries of England. *Monographs of the Palaeontographical Society*. <https://doi.org/10.5962/bhl.title.12739>
- EDWARDS F. E. & WOOD S. V. 1861-1877. — A monograph of the Eocene bivalves of England, Vol. 1. [Only the part cited herein, by S. V. Wood, is listed. There is a cross-ref. under Wood.] *Monographs of the Palaeontographical Society*. <https://doi.org/10.5962/bhl.title.13757>

Society Number	Author	Pages	Plates	Date
13 (58)	Wood	1-74	1-13	1861
16 (69)	Wood	75-136	14-20	1864
24 (109)	Wood	137-182	21-25	1871
Supplement	Wood	i-ii + 1-[24]	A-B	1877

- EICHHORST T. E. 2016. — *Neritidae of the world.*, Conchbooks, Harxheim, 1366 p., 356 pls.
- EICHWALD C. E. VON 1840. — Die Thier- und Pflanzenreste des alten rothen Sandsteins und Bergkalks im Novgorodschen Gouvernement. *Bulletin scientifique de l’Académie impériale des Sciences de Saint-Petersbourg* 7 (6-7): 78-91. <https://www.biodiversitylibrary.org/page/44260250>
- EICHWALD C. E. VON 1841. — *Fauna Caspio-Caucasia nonnullis observationibus novis*. Diarii Gall., Petropoli: 290-292, 40 pls. <https://doi.org/10.5962/bhl.title.126375>
- EICHWALD C. E. VON 1859-1860. — *Lethaea Rossica ou Paléontologie de la Russie*. Vol. 1. *Ancienne période*. E. Schweizerbart, Stuttgart, 26 + xix + 1657 p. (1860); Atlas to Vol. 1 (1859), 8 p., 59 pls. <https://www.biodiversitylibrary.org/page/36651336>
- EMBERTON K. C. & RAKOTONDRAZAFY J. A. 2020. — Rhytidoid land snails collected in 2007 at 21 sites in northern Madagascar, with descriptions of 13 new species and two new subspecies (Gastropoda, Rhytidoidae: Acauidae and Clavatoridae). *Basteria* 84 (4-6): 170-209. <https://natuurtijdschriften.nl/pub/1001571>
- EMERSON W. K. 1954. — Notes on the scaphopod molluscs: rectifications of nomenclature. *Proceedings of the Biological Society of Washington* 67: 183-187. <https://www.biodiversitylibrary.org/page/36248367>
- EMERSON W. K. 1964. — On the identity of *Murex macropterus* Deshayes, 1830 (Mollusca: Gastropoda). *The Veliger* 6 (3): 151-153, pls 19-20. <https://www.biodiversitylibrary.org/page/42408862>
- EMIG C. C. 2017. — Atlas of Antarctic and sub-Antarctic Brachiopoda. *Carnets de Géologie* CG2017\_B03: 1-93. [http://paleopolis.rediris.es/cg/BOOKS/CG2017\\_B03](http://paleopolis.rediris.es/cg/BOOKS/CG2017_B03)
- EMIG C. C. 2018. — Brachiopodes récoltés lors de campagnes (1976-2014) dans l’étage Bathyal des côtes françaises méditerranéennes. Redéfinition des limites du système phytal dans le domaine marin benthique. *Carnets de Géologie* CG2018\_B01: 1-100, pls 1-2. [http://paleopolis.rediris.es/cg/BOOKS/CG2018\\_B01](http://paleopolis.rediris.es/cg/BOOKS/CG2018_B01)
- ENGEL H. 1924. — The genus *Dolabella*. *Zoologische Mededelingen* 24 (9): 197-239. <https://repository.naturalis.nl/pub/318863>
- ENGEL H. & HUMMELINCK P. W. 1936. — Ueber westindische Aplysidae und Verwandten anderer Gebiete. *Capita Zoologica* 8: 1-76.
- ESPINOSA J., HERRERA-URÍA J. & ORTEA J. 2017. — Moluscos terrestres y fluviales del Sector Cupeyal del Norte, Parque Nacional Alejandro de Humboldt, Guantánamo, Cuba, con la descripción de nuevas especies. *Revista de la Academia Canaria de Ciencias* 29: 61-110, pls 1-34. <https://www.biodiversitylibrary.org/page/58142887>
- ESPINOSA J. & ORTEA J. 1999. — Moluscos terrestres del archipiélago Cubano. *Avicennia*, Suppl. 2: 1-137. <https://www.biodiversitylibrary.org/page/44341104>
- ESU D. & GIROTTI O. 2010. — The Late Oligocene Molluscan Fauna from Otranto (Apulia, Southern Italy): an example of alternating freshwater, lagoonal and emerged environments. *Palaeontology* 53 (1): 137-174. <https://doi.org/10.1111/j.1475-4983.2009.00923.x>
- EVANS J. 1876. — The anniversary address of the President. *Quarterly Journal of the Geological Society of London, Proceedings of the Geological Society* 32: 53-121. <https://doi.org/10.1144/GSL.JGS.1851.007.01-02.04>

Society Number	Part/Contents	Author	Pages	Plates	Date
2 (3)	1. Cephalopoda	Edwards	1-56	1-9	1849
6 (18)	2. Pulmonata	Edwards	57-122	10-15	1852
	3 (1).				
8 (32)	Prosobranchia	Edwards	123-180	16-23	1855
	3 (2).				
9 (35)	Prosobranchia	Edwards	181-240	24-27	1857
	3 (3).				
12 (51)	Prosobranchia	Edwards	241-330	28-33	1861
31	4. Pulmonata and Bivalves	Wood	331-361	34	1877



- EVENHUIS N. L. 2003. — Dating and publication of the *Encyclopédie Méthodique* (1782-1832), with special reference to the parts of the *Histoire naturelle* and details on the *Histoire naturelle des Insectes*. *Zootaxa* 166 (1): 1-48. <https://doi.org/10.11646/zootaxa.166.1.1>
- EVENHUIS N. L. 2009. — Dating of the livraisons and volumes of d'Orbigny's *Dictionnaire universel d'Histoire naturelle*. *Bishop Museum Occasional Papers* 30: 219-225.
- EVENHUIS N. L. 2012. — Publication and dating of the *Exploration Scientifique de l'Algérie: Histoire naturelle des Animaux Articulés* (1846-1849) by Pierre Hippolyte Lucas. *Zootaxa* 3448 (1): 1-61. <https://doi.org/10.11646/zootaxa.3448.1.1>
- EVENHUIS N. L. 2019. — Charles D. V. d'Orbigny's "Dictionnaire Universel d'Histoire naturelle": proposed dates for livraisons, with itemized contents of each. *Bishop Museum Occasional Papers* 130: 1-8.
- EVENHUIS N. L. 2022. — Dating of the zoological plates in Bory de Saint-Vincent's "Dictionnaire classique d'Histoire naturelle" (1822-1830). *Bishop Museum Occasional Papers* 144: 1-19.
- EVENHUIS N. L. & PETIT R. E. 2003. — Corrections and additions to the dating of the "Histoire naturelle des Vers" and Tableau *Encyclopédique* (Vers, coquilles, mollusques et polypiers) portions of the *Encyclopédie Méthodique*. *Zootaxa* 207 (1): 1-4. <https://doi.org/10.11646/zootaxa.207.1.1>
- FABER M. J. 2009. — A collation of Gérard-Paul Deshayes' "Exploration scientifique de l'Algérie". *Miscellanea Malacologica* 3 (4): 70.
- FABER M. J. 2011. — The holy grail of Louis Charles Kiener's "Spécies général des coquilles vivantes". *Miscellanea Malacologica* 5 (3): 61-70.
- FABER M. J. 2012. — The holy grail of Louis Charles Kiener's "Spécies général des coquilles vivantes": addition and correction. *Miscellanea Malacologica* 5 (4): 80.
- FABER M. J. & GORI S. 2016. — Infralittoral Rissoinidae (Gastropoda, Rissooidea) of Maldives with the introduction of a new subfamily and one replacement name, the description of three new species, and a note on the identity of *Rissoa rosea* Deshayes, 1963. *Basteria* 80 (1-3): 95-111. <https://natuurtijdschriften.nl/pub/643934>
- FAGE M. 1950. — Sur la présence de cellules neuro-sécrétrices chez *Dentalium entale* Deshayes. *Comptes Rendus hebdomadaires des Séances de l'Académie des Sciences* 229: 1172-1173. <https://gallica.bnf.fr/ark:/12148/bpt6k3181b/f1172.image>
- FAUJAS DE SAINT-FOND B. 1808. — Mémoire sur un nouveau genre de coquille bivalve. *Annales du Muséum d'Histoire naturelle* 11: 384-392, pl. 40. <https://www.biodiversitylibrary.org/page/28862324>
- FAVANNE DE MONTCERVELLE J. DE 1780 [posthumous]. — *La Conchyliologie, ou Histoire naturelle des coquilles de mer, d'eau douce, terrestres et fossiles, avec un traité de la zoomorphose, ou représentation des animaux qui les habitent: ouvrage dans lequel on trouve une nouvelle méthode de les diviser par M. A. J. Dezallier d'Argenville*. Troisième édition, Guillaume De Bure, Paris, Vol. 1: iv + [iv] + lx + 878 p. <https://www.biodiversitylibrary.org/page/25138230>. Vol. 2: 1-848 p. <https://www.biodiversitylibrary.org/page/25137364>. Atlas: frontisiece + 80 pls. <https://www.biodiversitylibrary.org/page/25212371>. [Reprint as Carpita V., Willmann R. & Willmann S. 2009. — *Shells, Muscheln, Coquillages. Conchology or the Natural History of Sea, Freshwater, Terrestrial and Fossil Shells 1780*, Taschen, Hong Kong, Köln, London, Los Angeles, Madrid, Paris, Tokyo, 216 p., 80 pls].
- FEDOSOV A. E., MALCOLM G., TERRY Y., GORSON J., MODICA W. V., HOLFORD M. & PUILLANDRE N. 2020. — Phylogenetic classification of the family Terebridae (Neogastropoda: Conoidea). *Journal of Molluscan Studies* 85 (4): 399-387. <https://doi.org/10.1093/mollus/eyz004>
- FEDOSOV A., PUILLANDRE N., HERRMANN M., KANTOR YU., OLIVIERO M., DGEBUADZE P., MODICA M. V. & BOUCHET P. 2018. — The collapse of *Mitra*: molecular systematics and morphology of the Mitridae (Gastropoda: Neogastropoda). *Zoological Journal of the Linnean Society* 183 (2): 253-337. <https://doi.org/10.1093/zoolinnean/zlx073>
- FELICIANO K., MALAQUIAS M. A. E., STOUT C., BRENZINGER B., GOSLINER T. M. & VALDÉZ Á. 2021. — Molecular and morphological analyses reveal pseudocryptic diversity in *Micromelo undatus* (Bruguière, 1792) (Gastropoda: Heterobranchia: Aplustridae). *Systematics and Biodiversity* 19 (7): 834-858. <https://doi.org/10.1080/14772000.2021.1939458>
- FERRARI S. M. 2015. — Systematic revision of Late Triassic marine gastropods of central Perú: considerations on the Late Triassic/Early Jurassic faunal turnover. *Andean Geology* 42 (1): 71-96. <https://doi.org/10.5027/andgeoV42n1-a05>
- FÉRUSSAC A. É. J. P. J. F. D'A. 1821 [1819-1821]. — *Tableaux systématique des animaux mollusques classés en familles naturelles, dans lesquelles on a établi concordance de tous les systèmes; suivie d'un prodrome général pour les mollusques terrestres ou fluviatiles, vivants ou fossiles*. Arthus Bertrand, Paris & J. B. Sowerby, London, p. i-xiii-[xiv] [Avertissement], xv-xlvii [Tableaux systématique], xlviii [Avertissement], 1-27-[28] [Tableau systématique de la famille des limaces, *Limaces, servant de supplément provisoire à notre histoire naturelle de ces animaux*], 1-114 [Tableau systématique de la famille des limaçons, *cochleae*], i-xvi [Explication des planches du premier volume], i-v [Explication des planches supplémentaires et de celles qui ne font pas partie du premier volume], i-iv [Explication des planches de livraisons xxxii, xxxiii, xxxiv, xxv, xxvi et xxvii] [This work, which was issued in folio and quarto editions, is too complex to provide a full collation here, and the plates are not listed here. The only pages cited herein were published in 1821]. <https://doi.org/10.5962/bhl.title.10558>
- FILMER R. M. 2001. — *A Catalogue of Nomenclature and Taxonomy in the Living Conidae 1758-1998*. Backhuys, Leiden, 388 p.
- FISCHER J.-C. & WEBER C. 1997. — *Révision critique de la Paléontologie française d'Alcide d'Orbigny*. Volume II. *Gastropodes jurassiques*. Masson, Paris, xi + 300 p., [262] p., pls 235-431.
- FISCHER P. 1856. — Liste monographique des espèces du genre Taret. *Journal de Conchyliologie* 5 (2): 129-140, pl. 7. <https://www.biodiversitylibrary.org/page/15862188>
- FISCHER P. 1862. — Note sur l'animal du *Jouannetia cumingi*, suivie de la description de deux espèces nouvelles de même genre. *Journal de Conchyliologie* 10 (4): 371-377, pl. 15. <https://www.biodiversitylibrary.org/page/15135086>
- FISCHER P. 1866. — *Faune tertiaire moyenne, in TCHIHATCHEFF P. A. (ed.), Asie Mineure. Description physique de cette contrée*. Vol. 4. Guérin, Paris: 235-318.
- FISCHER P. 1891. — Catalogue et distribution géographique des mollusques terrestres, fluviatiles & marins d'une partie de l'Indo-Chine (Siam, Laos, Cambodge, Cochinchine, Annam, Tonkin). *Bulletin de la Société d'Histoire naturelle d'Autun* 4: 87-276. <https://doi.org/10.5962/bhl.title.14809>
- FISCHER P.-H. 1958. — Pleurotomaires tertiaires de la collection de l'École des Mines de Paris. *Journal de Conchyliologie* 98 (2): 77-101, pls 1-3.
- FISCHER P.-H. 1960. — Remarques sur certaines planches d'un ouvrage de Deshayes. *Journal de Conchyliologie* 100 (2): 82-84.
- FISCHER P.-H. & FISCHER-PIETTE É. 1938. — Sur quelques espèces de *Tivela* (Veneridae) et sur l'extension géographique de ce genre. *Bulletin du Muséum national d'Histoire naturelle* 10 (1): 86-92. <https://www.biodiversitylibrary.org/page/52450799>
- FISCHER-PIETTE É. 1977. — Révision des Cardiidae (Mollusques Lamellibranches). *Mémoires du Muséum national d'Histoire naturelle, sér. A, Zoologie* 101: 1-212, pls 1-12. <https://www.biodiversitylibrary.org/page/57853317>
- FISCHER-PIETTE É. 1983. — Revision des Aviculidae (*Pinctada* excl.). VI. Aviculidae énigmatiques. *Bollettino Malacologico* 19 (5-8): 121-126. <https://www.biodiversitylibrary.org/page/49923347>
- FISCHER-PIETTE É. & DELMAS D. 1967. — Révision des mollusques lamellibranches du genre *Dosinia* Scopoli. *Mémoires du Muséum national d'Histoire naturelle (n.s.) (A)* 47 (1): 1-91, pls 1-16. <https://www.biodiversitylibrary.org/page/57586867>

- FISCHER-PIETTE É. & MÉTIVIER B. 1971. — Révision des Tapetinae (Mollusques bivalves). *Mémoires du Muséum national d'Histoire naturelle* (n.s.) (A) 71: 1-106, pls 1-16. <https://www.biodiversitylibrary.org/page/57726311>
- FISCHER-PIETTE É., BLANC C. P., BLANC F. & SALVAT F. 1994. — Gastéropodes terrestres pulmonés. *Faune de Madagascar* 83: 1-552, pls 1-46.
- FLEMING C. A. 1951. — Some Australasian Mollusca in the British Museum (Natural History). *Transactions and Proceedings of the Royal Society of New Zealand* 79: 126-139. <https://paperspast.natlib.govt.nz/periodicals/TPRSNZ1951-79.2.18>
- FLEMING J. 1828. — *A History of British Animals, Exhibiting the Descriptive Characters and Systematical Arrangement of the Genera and Species of Quadrupeds, Birds, Reptiles, Fishes, Mollusca, and Radiata of the United Kingdom; Including the Indigenous, Extirpated, and Extinct Kinds, together with Periodical and Occasional Visitants*. Bell & Bradfute, Edinburgh & James Duncan, London, xxii + 565 p. <https://doi.org/10.5962/bhl.title.12859>
- FORBES E. 1845. — Description of a new species of *Cardium* from the Greensand of Halden Hill in Devonshire. *Quarterly Journal of the Geological Society of London* 1 (3): 408. <https://www.biodiversitylibrary.org/page/37078517>
- FORBES E. 1846. — Report on the fossil Invertebrata from southern India, collected by Mr. Kaye and Mr. Cunliffe. *Transactions of the Geological Society of London*, sér. 2, 7 (3): 97-174, pl. 7-19. <https://www.biodiversitylibrary.org/page/36198238>
- FORBES E. 1856. — *On the Tertiary Fluvio-Marine Formation of the Isle of Wight*. Longman, Brown, Green & Longmans, London, xviii + 162 p., 7 pls., 1 map.
- FRAUSSEN K. & STAHLSCHEIDT P. 2016. — Revision of the *Clivipollia* group (Gastropoda: Buccinidae: Pisaniinae) with description of two new genera and three new species. *Novapex* 17 (2-3): 29-46. <https://www.biodiversitylibrary.org/page/58155099>
- FRAUSSEN K. & TERRY Y. 2007. — *Conchological Iconography, Vol. 14: The family Buccinidae. Genus Neptunea*. Conchbooks, Hackenheim, 166 p., 154 pls.
- FRÉDOL A. 1865. — *Le monde de la mer*. Hachette, Paris, vii + 632 p., 21 pls [see also entry in Deshayes bibliography above]. Plagiarized version: see: Schleiden M. J. 1867, below.
- FRENEIX S., DROT J. & DELATTRE M. 1956. — Faune de l'Aalénien de Mamers (Sarthe). Première partie: Lamellibranches, Brachiopodes, Bélemnites. *Annales du Centre d'Études et de Documentation paléontologiques* 16: 1-44.
- FRENEIX S. & GRANT-MACKIE J. A. 1978. — New Upper Cretaceous Cardiidae (Bivalvia) from New Zealand and New Caledonia. *New Zealand Journal of Geology and Geophysics* 21 (4): 505-515. <https://doi.org/10.1080/00288306.1978.10424075>
- FUCHS D. 2023. — Part M, Coleoidea. Chapter 23F: Systematic descriptions: Decabrachia. *Treatise Online* 171 : 1-41, fig. 1-16. <https://doi.org/10.17161/to.vi.21456>
- FÜRSICH F. T. & PAN Y. 2014. — Callovian-Oxfordian (Jurassic) bivalves from the Kamar-e-Mehdi Formation of east-central Iran. *Beringeria* 44: 3-50, pls 1-16.
- GABRIEL C. J. 1962. — Additions to the marine molluscan fauna of south eastern Australia including descriptions of new genus *Pillarginella*, six new species and two subspecies. *Memoirs of the National Museum of Victoria* 25: 177-210. <https://www.biodiversitylibrary.org/part/50028>
- GALEOTTI H. G. 1837. — Mémoire sur la constitution géognostique de la province de Brabant, en réponse à la question suivante: décrire la constitution géologique de la province de Brabant, déterminer avec soin les espèces minérales et les fossiles que les divers terrains renferment et indiquer la synonymie des auteurs qui en ont déjà traité. *Mémoires couronnés et Mémoires de Savants étrangers, publiés par l'Académie royale des Sciences et Belles-Lettres de Bruxelles* 12: 1-192 [193], pls 1-4. <https://www.biodiversitylibrary.org/page/15764879>
- GALÁCZ A. 2017. — Bajocian (Middle Jurassic) ammonites of stratigraphical and palaeobiogeographical importance from Mombasa, Kenya, east Africa. *Geodiversitas* 39 (4): 717-727. <https://doi.org/10.5252/g2017n4a4>
- GALINDO L. A., PULLANDRE N., UTGE J., LOZOUET P. & BOUCHET P. 2016. — The phylogeny and systematics of the Nassariidae revisited (Gastropoda, Buccinoidea). *Molecular Phylogenetics and Evolution* 99: 337-353. <https://doi.org/10.1016/j.ympev.2016.03.019>
- GARGOMINY O., PRIE V., BICHAIN J.-M., CUCHERAT X. & FONTAINE B. 2011. — Liste de référence annotée des mollusques continentaux de France. *MalaCo* 7: 307-382 [retrieved from <https://journal-malaco.mnhn.fr/?p=114>].
- GARILLI V. & PARRINELLO D. 2014. — Taxonomy and palaeobiogeography of the Cenozoic Euro-Mediterranean rissoid gastropod *Galeodinopsis* and its relationship with close genera. *Acta Palaeontologica Polonica* 59: 379-406. <https://doi.org/10.4202/app.2012.0044>
- GATTO R., MONARI S., NEIGE P., PINARD J.-D. & WEIS R. 2015. — Gastropods from upper Pliensbachian-Toarcian (Lower Jurassic) sediments of Causses Basin, southern France and their recovery after the early Toarcian anoxic event. *Geological Magazine* 152 (5): 871-901. <https://doi.org/10.1017/S0016756814000788>
- GAUDIN L. 1937. — La prononciation des noms de personnes (continued). *The French Review* 11 (2): 138-146. <http://www.jstor.org/stable/379880>
- GAUDRY A. J. 1867. — *Animaux fossiles et géologie de l'Attique d'après les recherches faites en 1855-56 et en 1860 sous les auspices de l'Académie des Sciences*, Savy, Libraire de la Société géologique de France, Paris, livraisons 16-19, p. 371-474, pl. 61-75.
- GAYET M. & BABIN C. 2007. — *Des paléontologues de A à Z*. Ellipses, Paris, 456 p.
- GEIGER D. L. 2012. — Monograph of the little slit shells. Volume 1. Introduction, Scissurellidae. Volume 2. Anatomidae, Larocheidae, Depressizonidae, Sutilizonidae, Temnocinclidae. *Santa Barbara Museum of Natural History Monographs* 7: 1-728 (Vol. 1); 729-1291 (Vol. 2).
- GEIGER D. L. & OWEN B. 2012. — *Abalone. Worldwide Haliotidae*. ConchBooks, Hackenheim, 361 p., 92 pls.
- GEIGER D. L. & POPPE G. T. 2000. — *Conchological Iconography, Vol. 4. Family Haliotidae*. Conchbooks, Hackenheim, 135 p., 83 pls.
- GERBER J. 1996. — Revision der Gattung *Vallonia* Risso 1826 (Mollusca: Gastropoda: Valloniidae). *Schriften zur Malakozoologie* 8: 1-227.
- GERLACH J., GRIFFITHS O. & SLAPCINSKY J. 2023. — Non-marine molluscs of the northern Narinda Karst, north-western Madagascar. *Bulletin of the Florida Museum of Natural History* 60 (1): 1-55. <https://doi.org/10.58782/flmnh.kykr5005>
- GILLET S. & THÉOBALD N. 1936. — Les bivalves marins de l'Oligocène du Haut-Rhin. *Bulletin du Service de la Carte géologique d'Alsace et de Lorraine* 3: 37-76, pl. 3.
- GITTENBERGER E., REIJNEN B. T. & GROENENBERG D. S. G. 2019. — Terrestrial gastropods of the Maldives, all of which are invasive? *Journal of Conchology* 43 (4): 353-383.
- GLADENKOV Y. B. & SINELNIKOVA V. N. 1990. — Miocene molluscs and climatic optimum in Kamchatka [Mollyuski i klimaticheskije optimumy miotsena Kamchatki]. *Transactions of the Geological Institute, Academy of Sciences of the USSR* 453: 1-175, 32 pls.
- GLIBERT M. 1936. — Faune malacologique des sables de Wemmel. I. Pélécypodes. *Mémoires du Musée royal d'Histoire naturelle de Belgique* 78: 1-241, pls 1-7.
- GLIBERT M. 1949. — Gastropodes du Miocène moyen du Bassin de la Loire, première partie. *Mémoires de l'Institut royal des Sciences naturelles de Belgique*, sér. 2, 30: 1-240, pls 1-12.
- GLIBERT M. 1952. — Gastropodes du Miocène moyen du Bassin de la Loire, deuxième partie. *Mémoires de l'Institut royal des Sciences naturelles de Belgique*, sér. 2, 46: 243-450, pls 1-15.



- GLIBERT M. 1960. — Les Conacea fossiles du Cénozoïque étranger des collections de l'Institut royal des Sciences naturelles de Belgique. *Mémoires de l'Institut royal des Sciences naturelles de Belgique*, sér. 2, 64: 1-132.
- GLIBERT M. 1962a. — Les Archaeogastropoda fossiles du Cénozoïque étranger des collections de l'Institut royal des Sciences naturelles de Belgique. *Mémoires de l'Institut royal des Sciences naturelles de Belgique*, sér. 2, 68: 1-131.
- GLIBERT M. 1962b. — Les Mesogastropoda fossiles du Cénozoïque étranger des collections de l'Institut royal des Sciences naturelles de Belgique. Première partie. Cyclophoridae à Stiliferidae (inclus). *Mémoires de l'Institut royal des Sciences naturelles de Belgique*, sér. 2, 69: 1-305.
- GLIBERT M. 1973. — Révision des Gastropoda du Danien et du Montien de la Belgique, tome 1: Les Gastropoda du calcaire de Mons. *Mémoires de l'Institut royal des Sciences naturelles de Belgique* 173: 1-116, pls 1-11.
- GLIBERT M. 1980. — Les Bivalvia du Ledien de la Belgique (Eocene Moyen Supérieur). 2. Heterodonta et Anomalodesmata. *Bulletin de l'Institut royal des Sciences naturelles de Belgique* 52 (5): 1-80, pls 1-2.
- GLIBERT M. & VAN DE POEL L. 1965a. — Les Bivalvia fossiles du Cénozoïque étranger des collections de l'Institut royal des Sciences naturelles de Belgique. 1. Paleotaxodonta et Eutaxodontida. *Mémoires de l'Institut royal des Sciences naturelles de Belgique*, sér. 2, 77: 1-112.
- GLIBERT M. & VAN DE POEL L. 1965b. — Les Bivalvia fossiles du Cénozoïque étranger des collections de l'Institut royal des Sciences naturelles de Belgique. 2. Pteronchida, Colloconchida et Isofilibranchida. *Mémoires de l'Institut royal des Sciences naturelles de Belgique*, sér. 2, 78: 1-105.
- GLIBERT M. & VAN DE POEL L. 1966a. — Les Bivalvia fossiles du Cénozoïque étranger des collections de l'Institut royal des Sciences naturelles de Belgique. 3. Heteroconchia (1. Laternulidae à Chamidae). *Mémoires de l'Institut royal des Sciences naturelles de Belgique*, sér. 2, 81: 1-82.
- GLIBERT M. & VAN DE POEL L. 1966b. — Les Bivalvia fossiles du Cénozoïque étranger des collections de l'Institut royal des Sciences naturelles de Belgique. 4. Heteroconchia (2. Corbiculidae à Petricolidae). *Mémoires de l'Institut royal des Sciences naturelles de Belgique*, sér. 2, 82: 1-108.
- GLIBERT M. & VAN DE POEL L. 1967. — Les Bivalvia fossiles du Cénozoïque étranger des collections de l'Institut royal des Sciences naturelles de Belgique. 5. Oligodontina (1. Lucinacea, Cyamiacea, Leptonacea, Dreissenacea, Tellinacea). *Mémoires de l'Institut royal des Sciences naturelles de Belgique*, sér. 2, 83: 1-152.
- GLIBERT M. & VAN DE POEL L. 1970. — Les Bivalvia fossiles de Cénozoïque étranger des collections de l'Institut royal des Sciences naturelles de Belgique. 6. Oligodontina (2. Astartodontina et Septibranchida). *Mémoires de l'Institut royal des Sciences naturelles de Belgique*, sér. 2, 84: 1-185.
- GLIOZZI E. & MALATESTA A. 1983. — I molluschi del Paleocene di Baixa Chinhuanine nel bacino del Rio Massintonto (Maputo - Mozambico). *Geologica Romana* 22: 85-145.
- GLOVER E. A. & TAYLOR J. D. 2016. — Lucinidae of the Philippines: highest known diversity and ubiquity of chemosymbiotic bivalves from intertidal to bathyal depths (Mollusca: Bivalvia), in Héros V. et al. (eds). Tropical Deep-Sea Benthos 29. *Mémoires du Muséum national d'Histoire naturelle* 208: 65-234.
- GOLDFUSS G. A. 1833-1841. *Petrefacta Germiniae*. Arnz & Co., Düsseldorf. Part 2 (4): 1-68, pl. 72-96 (1833); (5): 69-140, pl. 97-121 (1835); (6): 141-224, pl. 122-146 (1837); (7): 225-312, pl. 147-165 (1841) [part 1 was non-molluscan, except for one possible vermetid under Annelida].
- GOLESTANI H., CROCCETTA F., PADULA V., CAMACHO-GARCÍA Y., LANGENECK J., POURSANIDIS D., POLA M., BAKI YOKES M., CERVERA J. L., JUNG D. W., GOSLINER T., ARAYA F., SCHRÖDL M. & VALDÉS Á. 2019. — The little *Aplysia* coming of age: from one species to a complex of species complexes in *Aplysia parvula* Mörch, 1863 (Mollusca, Gastropoda, Heterobranchia). *Zoological Journal of the Linnean Society*: 187 (2): 279-330. <https://doi.org/10.1093/zoolinnean/zlz028>
- GOUGEROT L. 1975. — Clefs de détermination des petites espèces de Gastéropodes de l'Éocène du Bassin parisien. 7: La famille des Phasianellidæ. *Cahiers des Naturalistes, Bulletin des Naturalistes parisiens*, nouvelle série 28 (1): 1-9.
- GOUGEROT L. & LE RENARD J. 1982. — Clefs de détermination des petites espèces de Gastéropodes de l'Éocène du Bassin parisien. 20: Le genre *Lacuna*. *Cahiers des Naturalistes, Bulletin des Naturalistes parisiens*, nouvelle série, 38 (1): 13-26.
- GOUGEROT L. & LE RENARD J. 1983. — Clefs de détermination des petites espèces de Gastéropodes de l'Éocène du Bassin parisien. 21: Les Céphalaspides buliformes. *Cahiers des Naturalistes, Bulletin des Naturalistes parisiens*, nouvelle série 38 (3-4): 73-92.
- GOUGEROT L. & LE RENARD J. 1984. — Clefs de détermination des petites espèces de Gastéropodes de l'Éocène du Bassin parisien. 24: Le genre *Acteon* sensu amplo. *Cahiers des Naturalistes, Bulletin des Naturalistes parisiens*, nouvelle série, 39 (3-4): 77-86, fig. 1-13.
- GOURRET P. 1890. — La faune tertiaire marine de Carry, de Sausset et de Couronne (près Marseille). Faciès des étages tertiaires dans la Basse-Provence. *Bulletin de la Société belge de Géologie, de Paléontologie et d'Hydrologie* 4: 73-143, pl. 4-7.
- GRAF D. L. 2001. — The cleansing of the Augean Stables, or a lexicon of the nominal species of the Pleuroceridae (Gastropoda: Prosobranchia) of Recent North America, north of Mexico. *Walkerana* 12 (27): 1-124 [retrieved from [https://molluskconservation.org/Walkerana\\_BackIssues.html](https://molluskconservation.org/Walkerana_BackIssues.html)].
- GRAF D. L. & CUMMINGS K. S. 2011. — Freshwater mussel (Mollusca: Unionoida) richness and endemism in the ecoregions of Africa and Madagascar based on comprehensive museum sampling. *Hydrobiologia* 678 (1): 17-36. <https://doi.org/10.1007/s10750-011-0810-5>
- GRAF D. L. & CUMMINGS K. S. 2020. — MUSSELp. The freshwater mussels (Unionoida) of the world (and other less consequential bivalves) [retrieved from <http://mussel-project.uwsp.edu>].
- GRATELOUP J.-P. S. DE 1845. — *Conchyliologie fossile des terrains tertiaires du bassin de l'Adour (environ de Dax)*. Tome 1. *Univalves*. Lafargue, Bordeaux, pls 1, 3, 5-10, 12-48.
- GRAVES L. 1847. — *Essai sur la topographie géognostique du département de l'Oise*. Desjardins, Beauvais, xv + 804 p.
- GRAY J. E. 1840. — Shells of molluscos animals, in *Synopsis of the Contents of the British Museum*. Ed. 42. G. Woodfall, London [concerning this and other BMNH catalogues: Kabat (1989)] p. 105-152. <https://www.biodiversitylibrary.org/page/55287780>
- GRAY J. E. 1847. — A list of the genera of Recent Mollusca, their synonyma and types. *Proceedings of the Zoological Society of London* 15: 129-219. <http://biodiversitylibrary.org/page/12862913>
- GRAY J. E. 1858. — On the families Aspergillidae, Gastrochaeniidae, and Humphreyiadae. *Proceedings of the Zoological Society of London for 1858* 26 (366): 307-318. <https://www.biodiversitylibrary.org/page/32271839>
- GRIFFIN F. J. 1939. — On the années of the République Française. *Journal of the Society for the Bibliography of Natural History* 1 (9): 249. <https://doi.org/10.3366/jsbnh.1939.1.9.249>
- GRIFFITH R. 1844. — *A Synopsis of the Characters of the Carboniferous Limestone Fossils of Ireland*. University Press, Dublin, viii + 207 p., 29 pls [species described by Frederick M'Coy]. <https://doi.org/10.5962/bhl.title.11559>
- GRIFFITHS O. L. & FLORENS V. F. B. 2006. — *A Field Guide to the Non-Marine Molluscs of the Mascarene Islands (Mauritius, Rodrigues and Réunion) and the Northern Dependencies of Mauritius*. Bioculture Press, Mauritius, xvi + 185 p., 32 pls.
- GROH K. & POPPE G. T. 2002. — *Conchological Iconography*. Vol. 7. *Family Acavidae, excluding Ampelita*. Conchbooks, Hackenheim, 69 p., 44 pls.

- GRÜNDEL J. 2004. — Gastropoden aus dem oberen Bathonium von Luc-sur-Mer/Calvados (Normandie, Frankreich): I. Archaeogastropoda und Neritimorpha. *Freiberger Forschungshefte C* 502: 15-50.
- GUDE G. K. 1912. — Note on *Viquesnelia* of Deshayes from the Miocene (Sarmatian) of Turkey. *Proceedings of the Malacological Society of London* 10 (1): 19-20. <https://www.biodiversitylibrary.org/page/15236972>
- GUDE G. K. 1913. — On some preoccupied molluscan names (generic and specific). *Proceedings of the Malacological Society of London* 10 (4): 292-293. <https://doi.org/10.1093/oxfordjournals.mollus.a063506>
- GUDE G. K. 1914. — *The Fauna of British India, Including Ceylon and Burma*. Taylor & Francis, London, xii + 520 p. <https://doi.org/10.5962/bhl.title.48423>
- GUNTHER A. E. 1975. — *A Century of Zoology at the British Museum through the Lives of two Keepers 1815-1914*. Dawson, London, 533 pp., 24 pls.
- GUZHOV A. V. 2017. — Mesozoic rissoid gastropods: history of the study, systematics, and diversity. *Paleontological Journal* 51 (7): 778-797. <https://doi.org/10.1134/S0031030117070036>
- HABE T. 1951. — Petricolidae, Cardiliidae and Anatinellidae in Japan, in KURODA T. (ed.), *Illustrated Catalogue of Japanese Shells*. Kairui Bunken Kankokai, 42 p.
- HADI M., VAHIDINIA M. & HRABOVSKY J. 2019. — Larger foraminiferal biostratigraphy and microfacies analysis from the Ypresian (Ilerdian-Cuisian) limestones in the Sistan Suture Zone (eastern Iran). *Turkish Journal of Earth Sciences* 28 (1): 122-145. <https://doi.org/10.3906/yer-1802-10>
- HAGDORN H. 2004. — *Cassianocrinus varians* (Münster, 1841) aus der Cassian-Formation (Trias, Oberladin/Unterkarn) der Dolomiten- ein Bindeglied zwischen Encrinidae und Traumatocrinidae (Crinoidea, Articulata). *Annalen des Naturhistorischen Museums in Wien, Serie A für Mineralogie und Petrographie, Geologie und Paläontologie, Anthropologie und Prähistorie* 105: 231-255. <https://www.jstor.org/stable/41702059>
- HAIREE C., FOREL M.-B., BARTOLINI A., ARGOT C., HERBIN M. & ROUCHON V. 2022. — The peregrination of Alcide d'Orbigny's Foraminifera collection at the Museum of Natural History, Paris: from the creation of a Palaeontology chair to the advent of Micro-palaeontology/Les pérégrinations de la collection de Foraminifères d'Alcide d'Orbigny au Muséum d'Histoire naturelle de Paris: de la création d'une chaire de Paléontologie à l'avènement de la micro-paléontologie. *Annales de Paléontologie* 108 (4): article 102557. <https://doi.org/10.1016/j.annpal.2022.102557>
- HALL J. 1847. — *Natural History of New York. Paleontology of New York*. Vol. 1. Albany, New York, xxiii + 338 p., pls 1-87, 4 bis, 5 bis, 13 bis, 31A, 31B, 32A-D, 33\*, 40A, 69A.
- HAMILTON W. J. & STRICKLAND H. E. 1847. — On a Tertiary deposit near Lixouri, in the island of Cephalonia. *The Quarterly Journal of the Geological Society of London* 3 (1): 106-113 [paper read in 1837 and not published until 1847; the list of taxa on p. 110-112 was signed by Strickland alone]. <https://www.biodiversitylibrary.org/page/36932835>
- HARPER E. M., RADLEY J. D. & PALMER T. J. 1996. — Early Cretaceous cementing pectinid bivalves. *Cretaceous Research* 17 (1): 135-150. <https://doi.org/10.1006/cres.1996.0011>
- HARRY H. 1969. — Anatomical notes on the matroid bivalve, *Raeta plicatella* Lamarck, 1818, with a review of the genus *Raeta* and related genera. *The Veliger* 12 (1): 1-23. <https://www.biodiversitylibrary.org/page/42516119>
- HARTMAN J. H., ERICKSON D. N. & BAKKEN A. 2008. — Stephen Hislop and his 1860 Cretaceous continental molluscan new species descriptions in Latin from the Deccan Plateau, India. *Palaentology* 51 (6): 1225-1252, pls 1-6. <https://doi.org/10.1111/j.1475-4983.2008.00807.x>
- HARZHAUSER M. 2021. — The Cainozoic to present-day record of circum-Mediterranean, NE Atlantic and North Sea Cantharidinae and Trochinae (Trochoidea, Gastropoda) – a synopsis. *Zootaxa* 4902 (1): 1-81. <https://doi.org/10.11646/zootaxa.4902.1.1>
- HARZHAUSER M. & KRONENBERG G. C. 2008. — A note on *Strombus coronatus* DeFrance, 1827 and *Strombus coronatus* Röding, 1798 (Mollusca: Gastropoda). *The Veliger* 50 (2): 120-128. <https://www.biodiversitylibrary.org/page/42497709>
- HARZHAUSER M. & LANDAU B. 2016. — A revision of the Neogene Conidae and Conorbidae (Gastropoda) of the Paratethys Sea. *Zootaxa* 4210 (1): 1-178. <https://doi.org/10.11646/zootaxa.4210.1.1>
- HARZHAUSER M. & LANDAU B. 2019. — Turritellidae (Gastropoda) of the Miocene Paratethys Sea with considerations about turritellid genera. *Zootaxa* 4681 (1): 1-136. <https://doi.org/10.11646/zootaxa.4681.1.1>
- HARZHAUSER M. & LANDAU B. 2023. — The Architectonicidae and Mathildidae (Gastropoda, Heterobranchia) of the Miocene Paratethys Sea – victims of the Miocene climatic transition. *Zootaxa* 5370 (1): 1-74. <https://doi.org/10.11646/zootaxa.5370.1>
- HARZHAUSER M. & MANDIC O. 2001. — Late Oligocene gastropods and bivalves from the Lower and Upper Austrian Molasse Basin, in PILLER W. E. & RASSER M. W. (eds), Paleogene of the eastern Alps. *Osterreichische Akademie der Wissenschaften, Schriftenreihe der Erdwissenschaftlichen Kommissionen* 14: 671-795, pls 1-11.
- HARZHAUSER M. & MANDIC O. 2010. — Neogene dreissenids in central Europe: evolutionary shifts and diversity changes, in VAN DER VELDE G., RAJAGOPAL S. & BIJ DE VAATE A. (eds), *The Zebra Mussel in Europe*. Backhuys Publishers, Leiden/Margraf Publishers, Weikersheim: 11-29.
- HARZHAUSER M. & NEUBAUER T. A. 2018. — Opole (Poland) – a key locality for middle Miocene terrestrial mollusc faunas. *Bulletin of Geosciences* 93 (1): 71-146.
- HARZHAUSER M., HOŞGÖR I. & PACAUD J.-M. 2013. — Thanetian gastropods from the Mesopotamian high folded zone in northern Iraq. *Paläontologische Zeitschrift* 87 (2): 179-199. <https://doi.org/10.1007/s12542-012-0155-z>
- HARZHAUSER M., NEUBAUER T. A., GEORGOPOULOU E. & HARL J. 2014a. — The early Miocene (Burdigalian) mollusc fauna of the North Bohemian Lake (Most Basin). *Bulletin of Geosciences* 89 (4): 819-908. <https://doi.org/10.3140/bull.geosci.1503>
- HARZHAUSER M., NEUBAUER T. A., GROSS M. & BINDER H. 2014b. — The early Middle Miocene mollusc fauna of Lake Rein (eastern Alps, Austria). *Palaeontographica* Abt. A, 302 (1-6): 1-71. <https://doi.org/10.1127/pala/302/2013/1>
- HARZHAUSER M., NEUBAUER T. A., NORDSIECK H., MARIGÓ J. & MINWER-BARAKAT R. 2020. — Late Eocene non-marine gastropods from Roc de Santa (Spanish Pyrenees). *Archiv für Molluskenkunde* 149 (1): 13-47 ["Systematic Part" by Harzhauser & Neubauer]. <https://doi.org/10.1127/arch.moll/149/013-047>
- HARZHAUSER M., PACAUD J.-M. & LANDAU B. M. 2023a. — The origin of the mangrove and saltmarsh snail *Ellobium*. *Taxonomy* 2023 (3): 68-84. <https://doi.org/10.3390/taxonomy3010007>
- HARZHAUSER M., GUZHOV A. & LANDAU B. 2023b. — A revision and nomenclator of the Cainozoic mudwhelks (Mollusca: Caenogastropoda: Batillariidae, Potamididae) of the Paratethys Sea (Europe, Asia). *Zootaxa* 5272 (1): 1-241. <https://doi.org/10.11646/zootaxa.5272.1.1>
- HAUER F. VON 1847. — Ueber die Fossilien von Korod in Siebenbürgen. *Haidinger's Naturwissenschaftliche Abhandlungen* 1: 349-355, pl. 13.
- HEDLEY C. 1899. — The Mollusca of Funafuti. Part II. Pelecypoda and Brachiopoda, in HEDLEY C. (ed.), *The Atoll of Funafuti, Ellice Group: its zoology, botany, ethnology, and general structure*. *Australian Museum, Memoir* 3: 489-510. <https://doi.org/10.3853/j.0067-1967.3.1899.504>
- HEDLEY C. 1913. — Studies on Australian Mollusca. Part 11. *Proceedings of the Linnean Society of New South Wales* 38: 258-339, pl. 16-19. <https://www.biodiversitylibrary.org/page/6407315>
- HEMMEN J. & NIEDERHÖFER H.-J. 2007. — Critical check-list of land- and freshwater-mollusks of Taiwan. *Acta Conchyliorum, Monographien* 9: 1-152.



- HEPPELL D. 1984. — Further comments on the proposal to validate *Cardium californiense* Deshayes, 1839. (Mollusca, Cardiidae). Z.N.(S.) 2073. *Bulletin of Zoological Nomenclature* 41 (1): 5-6. <https://www.biodiversitylibrary.org/page/12228570>
- HERBERT D. G. 1987. — Taxonomic studies on the Emarginulinae (Mollusca: Gastropoda: Fissurellidae) of southern Africa and Mozambique. *Hemitoma, Clypidina, Tugali, Scutus, Zeidora* and two species of *Emarginula*. *South African Journal of Zoology* 22 (1): 1-13. <https://doi.org/10.1080/02541858.1987.11448013>
- HERBERT D. G. 1992. — Revision of the Umboniinae in southern Africa and Mozambique (Mollusca: Prosobranchia: Trochidae). *Annals of the Natal Museum* 33 (2): 379-459. [https://doi.org/10.10520/AJA03040798\\_280](https://doi.org/10.10520/AJA03040798_280)
- HERBERT D. G. 1998. — Revision of the genus *Calliotrochus* Fischer, 1879 (Gastropoda: Trochoidea). *Invertebrate Taxonomy* 12 (4): 545-565, figs 1-35. <https://doi.org/10.1071/IT96031>
- HERBERT D. G. 2012. — A revision of the Chilodontidae (Gastropoda: Vetigastropoda: Seguenzioidea) of southern Africa and the south-western Indian Ocean. *African Invertebrates* 53 (2): 381-502. <https://doi.org/10.5733/afin.053.0209>
- HERBERT D. G. 2015. — An annotated catalogue and bibliography of the taxonomy, synonymy and distribution of the Recent Vetigastropoda of South Africa (Mollusca). *Zootaxa* 4049 (1): 1-98. <https://doi.org/10.11646/zootaxa.4049.1.1>
- HERRMANNSEN A. N. 1849. — *Indicis generum malacozoorum primordia. Nomina subgenerum, generum, familiarum, tribum, ordinum, classium; adjectis auctoribus, temporibus, locis systematicis atque literariis, etymis, synonymis*. Vol. 2. Fischer, Cassellis [Cassel], p. xxix-xlii + 493-717. <https://www.biodiversitylibrary.org/page/10677340>
- HESEL P. 2016. — *Stichting Schepel Schelpfrom. 1991-2016*. Part 1. Stichting Schepel Schelp, Rhenen (Foundation Creature Shell), 296 p.
- HEUKELOM F. V. 1866. — Note sur l'identité des *Lucina voorhoevei*, Deshayes, et *L. mirabilis*, Dunker. *Journal de Conchyliologie* 14 (1): 39-40. <https://www.biodiversitylibrary.org/page/15667258>
- HICKMAN C. S. 2021. — Arcoid bivalve biodiversity during Eocene doubtspot cooling: contrasting the active Cascadia Margin coldspot with the intracratonic Paris Basin hotspot. *PaleoBios* 39: 1-25. <https://doi.org/10.5070/P938055236>
- HIDAKA H. & KANO Y. 2014. — Morphological and genetic variation between the Japanese populations of the amphidromous snails *Stenomelania crenulata* (Cerithioidea: Thairidae). *Zoological Science* 31 (9): 593-602. <https://doi.org/10.2108/zs140074>
- HIGO S., CALLOMON P. & GOTŌ Y. 1999. — *Catalogue and Bibliography of the Marine Shell-Bearing Mollusca of Japan*. Elle Scientific, Osaka, 749 p.
- HISLOP S. 1860. — On the Tertiary deposits, associated with trap-rock, in the East Indies, with descriptions of the fossil shells, by Rev. S. Hislop; and of the fossil insects, by Andrew Murray, Esq., F.R.S.E.; and a note on the fossil Cypridae, by T. Rupert Jones, Esq., F.G.S. *The Quarterly Journal of the Geological Society of London* 16 (1): 154-189, pl. 5-10. <https://www.biodiversitylibrary.org/page/35427895>
- HOAGLAND K. E. 1977. — Systematic review of fossil and Recent *Crepidula* and discussion of evolution of the Calyptraeidae. *Malacologia* 16 (2): 353-420. <https://www.biodiversitylibrary.org/page/13131436>
- HOLTEN H. S. 1802. — *Enumeratio systematica conchyliorum beat J. H. Chemnitzii quondam ecclesiae Zebaothi Havniae pastoris, plurim societum sodialis p. p. quae publica auctione venduntur die 7me Decembris ano pres. K. H. Scidelini*, Copenhagen, vi + 88 p. <https://www.biodiversitylibrary.org/page/46195957>
- HÖLTKE O. & RASSER M. W. 2016. — The *Palaetachea* complex (Gastropoda: Pulmonata) in the Miocene of SW Germany: a morphometric approach. *Journal of Conchology* 42 (4): 239-256.
- HÖRNES M. 1855. — Die fossilen Mollusken des Tertiär-Beckens von Wien. Band I. Univalven. *Abhandlungen der Kaiserlich-Königlichen Geologischen Reichsanstalt* 3: 385-460, pl. 41-45.
- HÖRNES M. 1856. — Die Fossilen Mollusken der Tertiär-Beckens von Wien unter der Mitwirkung von Paul Partsch. *Abhandlungen der Kaiserlich-Königlichen Geologischen Reichsanstalt* 3: 461-736, pl. 46-52.
- HÖRNES M. 1870. — Die Fossilen Mollusken des Tertiär-Beckens von Wien. Band II. Bivalven. *Abhandlungen der Kaiserlich-Königlichen Geologischen Reichsanstalt* 4: 1-479, pls 1-85. <https://www.biodiversitylibrary.org/page/39181557>
- HOUART R. 2017. — Description of eight new species and one new genus of Muricidae (Gastropoda) from the Indo-West Pacific. *Novapex* 18 (4): 81-103. <https://www.biodiversitylibrary.org/page/61523867>
- HOUART R., BUGE B. & ZUCCON D. 2021. — A taxonomic update of the Typhinae (Gastropoda: Muricidae) with a review of the New Caledonia species and the description of new species from New Caledonia, the South China Sea and Western Australia. *Journal of Conchology* 44 (2): 103-147.
- HOUART R. & HENDRICKS M. E. 2020. — Three new species of Muricidae (Ocenebrinae, Pagodulinae) from the Gulf of California, Mexico and update of the living muricids from the area. *Novapex* 21 (1): 17-33.
- HOUART R., ZUCCON D. & PUILLANDRE N. 2019. — Description of new genera and new species of Ergalataxinae (Gastropoda: Muricidae). *Novapex* 20 (HS 12): 1-52.
- HOUBRICK R. S. 1993. — Two confusing Indo-Pacific cerithiids. *The Nautilus* 107 (1): 14-23. <https://www.biodiversitylibrary.org/page/8496908>
- HUBER M. 2010a. — *Compendium of Bivalves*. ConchBooks, Hackenheim, 901 p. + CD.
- HUBER M. 2010b. — Formal description and designation of holotypes for 23 bivalve species and type species for 2 bivalve genera (Mollusca: Bivalvia). *Conchylia* 41: 2-32.
- HUBER M. 2015. — *Compendium of Bivalves 2*. ConchBooks, Hackenheim, 907 p. + CD [Tellinidae by M. Huber, A. Langleit & K. Kreipl, p. 167-297, 564-746].
- HYLLEBERG K. 2004. — Lexical approach to Cardiacea. Part 1. Literature. Illustrated and annotated bibliography of living and fossil shells, with emphasis on the families Cardiidae and Lymnocardiidae (Mollusca: Bivalvia). *Phuket Marine Biological Center Special Publication* 29: 1-351. Part 2. A-M. *Phuket Marine Biological Center Special Publication* 30: 352-644. Part 3. N-Z. *Phuket Marine Biological Center Special Publication* 30: 645-940.
- INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE 1954a. — Opinion 200. Validation, under the Plenary Powers of the accustomed usage of the generic names “*Tethys*” Linnaeus, 1767, and “*Aplysia*” Linnaeus, 1767 (Class Gastropoda). *Opinions and Declarations Rendered by the International Commission on Zoological Nomenclature* 3 (19): 241-265. <https://www.biodiversitylibrary.org/page/34653700>
- INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE 1954b. — Opinion 231. Rejection for nomenclatural purposes of Martin (W.), 1793, *Figures and Descriptions of Petrifications collected in Derbyshire* and of the work by the same author published in 1809 under the title *Petrificata Derbiensia*. *Opinions and Declarations Rendered by the International Commission on Zoological Nomenclature* 4 (21): 239-248. <https://www.biodiversitylibrary.org/page/34654176>
- INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE 1954c. — Opinion 261. Rejection for nomenclatural purposes of the Index to the *Zoophylacium Gronovianum* of Gronovius prepared by Meuschen (F. C.) and published in 1781. *Opinions and Declarations Rendered by the International Commission on Zoological Nomenclature* 5 (22): 281-296. <https://www.biodiversitylibrary.org/page/34655082>
- INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE 1954d. — Opinion 310. Validation, under the Plenary Powers, of the specific name “*virgula*” Deshayes, 1831, as published in the combination “*Gryphaea virgula*” (Class Pelecypoda) (Jurassic).

- Opinions and Declarations Rendered by the International Commission on Zoological Nomenclature* 8 (27): 355-364. <https://www.biodiversitylibrary.org/page/34654720>
- INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE 1954e. — Opinion 316. Rejection for nomenclatural purposes of the *Tavole alfabetica delle Conchiglie Adriatiche* and *Prospetto della Classe dei Vermii* of S. A. Renier commonly attributed to the year 1804. *Opinions and Declarations Rendered by the International Commission on Zoological Nomenclature* 9 (5): 91-106. <https://www.biodiversitylibrary.org/page/34610188>
- INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE 1956a. — Opinion 417. Rejection for nomenclatural purposes of volume 3 (Zoologie) of the work by Lorenz Oken entitled “Okens Lehrbuch der Naturgeschichte” published in 1815-1816. *Opinions and Declarations Rendered by the International Commission on Zoological Nomenclature* 14 (1): 3-42. <https://www.biodiversitylibrary.org/page/34677658>
- INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE 1956b. — Opinion 427. Rejection for nomenclatural purposes of the work by Renier (S. A.) known as *Tavole per servire alle classificazione e conoscenza delle animali* and commonly attributed to the year 1807 and to the *Official Indexes of Rejected and Invalid Names in Zoology* of certain names used in the foregoing work or in two earlier works by the same author commonly known as the *Tavola alfabetica* and the *Prospetto* respectively and both commonly attributed to the year 1804. *Opinions and Declarations Rendered by the International Commission on Zoological Nomenclature* 14 (11): 281-310. <https://www.biodiversitylibrary.org/page/34677976>
- INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE 1957a. — Opinion 456. Rejection of the work by Thomas Martyn published in 1784 with the title *The Universal Conchologist* as a work which does not comply with the requirements of Article 25 of the *Règles* and which therefore possesses no status in zoological nomenclature and rejection also of a proposal that the foregoing work should be validated under the Plenary Powers. *Opinions and Declarations by the International Commission on Zoological Nomenclature* 15 (22): 393-418. <https://www.biodiversitylibrary.org/page/34656746>
- INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE 1957b. — Opinion 479. Validation under the Plenary Powers of specific names for nine species of the Class Gastropoda occurring in the New Zealand area as published by Martyn (T.) in 1784 in the work entitled *The Universal Conchologist* (Opinion supplementary to Opinion 456). *Opinions and Declarations Rendered by the International Commission on Zoological Nomenclature* 16 (22): 365-416. <https://www.biodiversitylibrary.org/page/34657320>
- INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE 1963. — Opinion 668. *Tritonia* Cuvier, [1797] (Gastropoda): designation of a type species under the Plenary Powers. *Bulletin of Zoological Nomenclature* 20 (4): 272-273. <https://www.biodiversitylibrary.org/page/12221609>
- INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE 1964. — Opinion 715. Xenophoridae Philippi, 1853 (Gastropoda): added to the Official List. *Bulletin of Family-Group Names in Zoology. Bulletin of Zoological Nomenclature* 21 (6): 417-419. <https://www.biodiversitylibrary.org/page/12222288>
- INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE 1965. — Opinion 742. *Ceratomya* Sandberger, 1864 (Bivalvia): designation of a type-species under the Plenary Powers. *Bulletin of Zoological Nomenclature* 22 (3): 176-177. <https://www.biodiversitylibrary.org/page/12222565>
- INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE 1970. — Opinion 910. *Tellina gari* Linnaeus, 1758 (Bivalvia): suppressed under the Plenary Powers. *Bulletin of Zoological Nomenclature* 27 (1): 16-19. <https://www.biodiversitylibrary.org/page/12224207>
- INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE 1977. — Opinion 1079. *Aglaja* Renier, [1807]; *A. depicta* Renier, [1807] and *A. tricolorata* Renier, [1807] (Mollusca: Gastropoda) rendered available under the Plenary Powers. *Bulletin of Zoological Nomenclature* 34 (1): 16-20. <https://www.biodiversitylibrary.org/page/12226265>
- INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE 1979. — Opinion 1141. *Donacilla* Blainville, 1819 (Bivalvia) suppressed; *Donacilla* Philippi, 1836, *Mesodesma* Deshayes, 1832, and *Semele* Schumacher, 1817 (Bivalvia) added to the Official List. *Bulletin of Zoological Nomenclature* 36 (2): 122-124. <https://www.biodiversitylibrary.org/page/12227025>
- INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE 1985. — Opinion 1331. Sphaeriidae Jeffreys, 1862 (1820) (Mollusca, Bivalvia) and Microsporidae Reichard, 1976 (Insecta, Coleoptera): placed on the Official List. *Bulletin of Zoological Nomenclature* 42 (3): 230-232. <https://www.biodiversitylibrary.org/page/12229139>
- INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE 1987. — Opinion 1429. A ruling on the authorship and dates of the Sowerbys' *Mineral Conchology of Great Britain*. *Bulletin of Zoological Nomenclature* 44 (1): 64-67. <https://www.biodiversitylibrary.org/page/12229423>
- INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE 1988a. — Opinion 1467. *Criopus* Poli, 1791 and *Criopoderma* Poli, 1795 (Brachiopoda): suppressed. *Bulletin of Zoological Nomenclature* 45 (2): 61. <https://www.biodiversitylibrary.org/page/12229734>
- INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE 1988b. — Direction 123. The Sowerbys' *Mineral Conchology of Great Britain*: Official List entry authorized. *Bulletin of Zoological Nomenclature* 45 (2): 180. <https://www.biodiversitylibrary.org/page/12229857>
- INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE 1992. — Opinion 1662. *Limax fibratus* Martyn, 1784 and *Nerita hebraea* Martyn, 1784 (currently *Placostylus fibratus* and *Natica hebraea*; Mollusca, Gastropoda): specific names conserved; and *Placostylus* Beck, 1837: *L. fibratus* designated as the type species. *Bulletin of Zoological Nomenclature* 49 (1): 74-75. <https://www.biodiversitylibrary.org/page/12231133>
- INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE 2000. — Opinion 1957. *Sphaerius* Waltl, 1838 (Insecta, Coleoptera): conserved; and *Sphaeriidae* Erichson, 1845 (Coleoptera): spelling emended to Sphaeriusidae, so removing the homonymy with Sphaeriidae Deshayes, 1854 (1820) (Mollusca, Bivalvia). *Bulletin of Zoological Nomenclature* 57 (3): 182-184. <https://www.biodiversitylibrary.org/page/12439258>
- INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE 2001. — Opinion 1965. *Euchilus* Sandberger, 1870 and *Stalioa* Brusina, 1870 (Mollusca, Gastropoda): *Bitthinia deschiensisana* Deshayes, 1862 and *Paludina desmarestii* Prévost, 1821 designated as the respective type species, with the conservation of *Bania* Brusina, 1896. *Bulletin of Zoological Nomenclature* 58 (1): 63-65. <https://www.biodiversitylibrary.org/page/33817870>
- INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE 2007. — Opinion 2185 (Case 3340). *Heliacus* d'Orbigny, 1842 (Mollusca, Gastropoda): conserved. *Bulletin of Zoological Nomenclature* 64 (4): 263-264. <https://www.biodiversitylibrary.org/page/34356277>
- INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE 2012. — International Code of Zoological Nomenclature, 4th ed. <https://www.iczn.org/the-code/the-international-code-of-zoological-nomenclature/the-code-online/>
- INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE 2013. — Opinion 2325 (Case 3568). *Stirpulina* Stoliczka, 1870 (Mollusca, Bivalvia, Anomalodesmata, Clavagellidae): conserved by suppression of *Tubolana* Bivona Bernardi, 1832. *Bulletin of Zoological Nomenclature* 70 (4): 274-275. <https://doi.org/10.21805/bzn.v70i4.a10>



- INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE 2017. — Opinion 2394 (Case 2668) – *Conus antediluvianus* Bruguière, 1792: prevailing usage of specific name conserved by setting aside the unidentifiable lectotype and replacing it with a neotype (Mollusca, Gastropoda, Conidae). *The Bulletin of Zoological Nomenclature* 73 (2-4): 177-178. <https://doi.org/10.21805/bzn.v73i2.a33>
- INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE 2018. — Opinion 2422 (Case 3683) – *Cylindrus* Fitzinger, 1833 (Mollusca, Gastropoda, Helicidae): usage conserved. *The Bulletin of Zoological Nomenclature* 75 (1): 275-278. <https://doi.org/10.21805/bzn.v75.a059>
- IONESI B. & LUNGU A. 1978. — Contributii la studiul faunei badeniene din Platforma Moldoveneasca [Contributions a l'étude de la faune badenienne de la Plateforme Moldave]. *Analele Stiintifice ale Universitatii "Al. I. Cuza" din Iasi, Sectiunea II b Geologie-Geographie*, 24: 41-47, pls 1-6.
- IREDALE T. 1915. — A commentary on Suter's Manual of the New Zealand Mollusca. *Transactions and Proceedings of the New Zealand Institute* 47: 417-497. <https://www.biodiversitylibrary.org/page/3343255>
- IREDALE T. 1922. — Lamarck's "Hist. Anim. S. Vertèb." *Proceedings of the Malacological Society of London* 15 (2-3): 78-92 [Deshayes ed. of Lamarck, including the "3<sup>rd</sup> ed.": p. 84-85]. <https://www.biodiversitylibrary.org/page/30347073>
- JANSSEN A. W. 1981. — *Cyrenorita*, a new genus for *Erycina neglecta* Nyst (Bivalvia: Corbiculidae). *Archiv für Molluskenkunde* 111 (4-6): 243-256.
- JANSSEN A. W., BUSH S. L. & BEDNARŠEK N. 2019. — The shelled pteropods of the northeast Pacific Ocean (Mollusca: Heterobranchia, Pteropoda). *Zoosymposia* 13: 305-346. <https://doi.org/10.11646/zoosymposia.13.1.22>
- JANSSEN A. W., JANSSEN R., TRACEY S., VAESSEN L. M. B. & VAN DER VOORT J. 2014. — *Conus antediluvianus* Bruguière, 1792 (Mollusca, Gastropoda, Conidae): proposed conservation of prevailing usage of specific name by setting aside the unidentifiable lectotype and replacing it with a neotype. *The Bulletin of Zoological Nomenclature* 71 (4): 223-229. <https://doi.org/10.21805/bzn.v71i4.a11>
- JANSSEN R. 1979. — Revision der Bivalvia des Oberoligozäns (Chatium, Kasseler Meeressand). *Geologische Abhandlungen Hessen* 78 (1818): 1-181, pls 1-4.
- JANSSEN R. & KRYLOVA E. M. 2014. — Deep-sea fauna of European seas: an annotated species check-list of benthic invertebrates living deeper than 2000 m in the seas bordering Europe. Bivalvia. *Invertebrate Zoology* 11 (1): 43-82. <https://doi.org/10.14284/256>
- JAUSSAUD P. 2004. — Deshayes, Gérard Paul, in JAUSSAUD P. & BRYGOO É.-R. (eds), *Du jardin au Muséum en 516 biographies*. Muséum national d'Histoire naturelle, Paris: 184-185 (Archives; 7). <https://doi.org/10.4000/books.mnhn.2065>
- JAY J. C. 1852. — *A Catalogue of the Shells, Arranged According to the Lamarckian System: with their Authorities, Synonymes, and References to Works where Figured or Described: Together with a Supplement Containing Additional Species, Corrections, and Alterations Contained in the Collection of John C. Jay*, Craighead, New York, 479 p. <https://doi.org/10.5962/bhl.title.28189>
- JAY M. 2007. — Triphoridae (Mollusca: Gastropoda) of Reunion Island (Indian Ocean): types revisited. *Novapex* 8 (2): 31-42. <https://www.biodiversitylibrary.org/page/42353373>
- JEFFERY P. & TRACEY S. 1997. — The Early Eocene London Clay Formation mollusc fauna of the former Bursledon Brickworks, Lower Swanwick, Hampshire. *Tertiary Research* 17 (3-4): 75-135, pls 1-15.
- JEFFREYS J. G. 1860. — A synoptical list of the British species of *Teredo*, with a notice of the exotic species. *Annals and Magazine of Natural History*, ser. 3, 6 (32): 121-127. <https://www.biodiversitylibrary.org/page/2267131>
- JENNER A. B. 1972. — The identity of *Conus spirogloxus* Deshayes. *Journal de Conchyliologie* 110 (1): 17-21.
- JERATTHITKUL E., PAPHATMETHIN S., SUTCHARIT C., NGOR P. B., INKHAVILAY K. & PRASNOK P. 2022. — Phylogeny and biogeography of Indochinese freshwater mussels in the genus *Pilsbryconcha* Simpson, 1900 (Bivalvia: Unionidae) with descriptions of four new species. *Nature Scientific Reports* (2022) 12: 20458. <https://doi.org/10.1038/s41598-022-24844-9>
- JOHNSON R. I. 1959. — The types of Corbiculidae and Sphaeriidae (Mollusca: Pelelcytopoda) in the Museum of Comparative Zoology and a bio-bibliographic sketch of Temple Prime, an early specialist of the group. *Bulletin of the Museum of Comparative Zoology at Harvard College* 120 (4): 429-480, pls 1-8. <https://www.biodiversitylibrary.org/page/4781060>
- JOHNSON R. I. 1963. — The arrangement and contents of the genera described in J. C. Chenu's *Illustrations conchyliologiques* (1843-1853). *Journal of the Society for the Bibliography of Natural History* 4 (2): 92-95. <https://doi.org/10.3366/jsbnh.1963.4.2.92>
- JOHNSON R. I. 1971. — The types and figured specimens of Unionacea (Mollusca: Bivalvia) in the British Museum (Natural History). *British Museum of Natural History Bulletin (Zoology)* 20 (3): 73-108, pls 1-2. <https://www.biodiversitylibrary.org/page/2344696>
- KAAS P. & VAN BELLE R. A. 1998. — *Catalogue of Living Chitons (Mollusca, Polyplacophora)*, 2<sup>nd</sup> ed. Backhuys, Leiden, 204 p.
- KABAT A. R. 1989. — The "Gray catalogues" [Mollusca] of the British Museum. *The Nautilus* 103 (3): 113-115. <https://www.biodiversitylibrary.org/page/8278119>
- KABAT A. R. 2000. — Results of the Rumphius Biohistorical Expedition to Ambon (1990). Part 10. Mollusca, Gastropoda, Naticidae. *Zoologische Mededelingen* 73 (25): 345-380. <https://repository.naturalis.nl/pub/216182>
- KABAT A. R. & COAN E. V. 2019. — The Red Sea Mollusca described by Deshayes in Laborde's *Voyage de l'Arabie Pétrée* (1830-1834). *The Nautilus* 133 (2): 31-39. <https://www.biodiversitylibrary.org/page/62407963>
- KADOLSKY D. 1975. — Zur Paläontologie und Biostratigraphie des Tertiärs im Neuwieder Becken, I. Taxonomie und stratigraphische Bedeutung von Mollusken. *Decheniana* 128: 113-137.
- KADOLSKY D. 1989. — Stratigraphie und Molluskenfaunen von "Landschneckenkalk" und "Cerithienschichten" im Mainzer Becken (Oberoligozän bis Untermiozän?). Stratigraphische, paläogeographische und paläoökologische Ergebnisse. *Geologisches Jahrbuch*, Reihe A. 110: 69-133. <https://doi.org/10.1127/arch.moll/124/1995/1>
- KADOLSKY D. 2008a. — Zur Identität und Synonymie der häufigeren 'Hydrobien' der Rüssingen-Formation (Inflata-Schichten) und Wiesbaden-Formation (Hydrobien-Schichten) (Miozän, Mainzer Becken). *Senckenbergiana Lethaea* 88 (2), 229-266. <https://doi.org/10.1007/BF03055278>
- KADOLSKY D. 2008b. — Mollusks from the Late Oligocene of Oberleichtersbach (Rhön Mountains, Germany). Part 1: Overview and preliminary biostratigraphical, palaeoecological and palaeogeographical conclusions. *Courier Forschungsinstitut Senckenberg* 260: 89-101.
- KADOLSKY D. 2012. — Nomenclatural comments on non-marine mollusks occurring in the British Isles. *Journal of Conchology* 41 (1): 65-90.
- KADOLSKY D. 2014. — Nichtmarine und perihaline Molluskenfaunen im Tertiär Europas, 11. Eine Molluskenfauna aus der Unteren Bunten Molasse des Alpenvorlandes (Bayern, Oligozän): Die Fundstelle Habach 5. *Geologica Saxonica* 61 (1): 53-72, pls 1-4.
- KADOLSKY D. 2020. — A remarkable non-marine mollusc fauna of Early Eocene age from a fissure infill in Karsdorf quarry (Sachsen-Anhalt, Germany). *Geologica Saxonica* 65/66: 31-76. <https://doi.org/10.26049/GEOLSAX65-66-2019-2020-04>
- KADOLSKY D. 2021. — Nomenclatural comments on and corrections of nomina of some non-marine fossil gastropods. *Bionomina* 21 (1): 123-139. <https://doi.org/10.11646/bionomina.21.1.9>

- KAFANOV A. I. 1974. — *Clinocardium californiense* (Deshayes, 1839) (Mollusca: Cardiidae): proposed validation under the Plenary Powers. S.N.(S.) 2073. *The Bulletin of Zoological Nomenclature* 31 (4): 238-239. <https://www.biodiversitylibrary.org/page/12225545>
- KAFANOV A. I. 1980. — A contribution to the nomenclature of Azov-Black Sea Cardiidae (Bivalvia). *Zoologicheskii Zhurnal* 59 (4): 623-626.
- KAFANOV A. I. 1997. — Recent and fossil Papyridea (Bivalvia: Cardiidae) of the world. *Bulletin of the Mizunami Fossil Museum* 24: 1-10.
- KANTOR YU. I. & SYSOEV A. V. 2005. — *Catalogue of molluscs of Russia and adjacent countries*. Russian Academy of Sciences, A. N. Severtzov Institute of Ecology and Evolution, Moscow, 627 p.
- KAY E. A. 1968. — A review of the bivalved gastropods and a discussion of evolution within the Sacoglossa. [Studies in the structure, physiology, and ecology of molluscs; the proceedings of a symposium held at the Zoological Society of London on 8 and 9 March, 1967]. *Symposia of the Zoological Society of London* 22: 109-134.
- KAY E. A. 1979. — Hawaiian marine shells. Reef and shore fauna of Hawaii. Section 4: Mollusca. *Bernice P. Bishop Museum Special Publication* 64 (4): i-xviii + 1-653.
- KEEN A. M. 1971. — *Sea shells of tropical West America. Marine mollusks from Baja California to Peru*, 2<sup>nd</sup> ed. Stanford University Press, Stanford, xiv + 1064 p., 22 pls.
- KENNARD A. S. 1942a. — The *Histoire* and *Prodrome* of Férussac. *Proceedings of the Malacological Society of London* 25 (1): 12-17. <https://doi.org/10.1093/oxfordjournals.mollus.a064419>
- KENNARD A. S. 1942b. — The *Histoire* and *Prodrome* of Férussac. Part II. Text of *Histoire*. *Proceedings of the Malacological Society of London* 25 (3): 105-110. <https://doi.org/10.1093/oxfordjournals.mollus.a064428>
- KENNARD A. S. 1942c. — The *Histoire* and *Prodrome* of Férussac. Part III. The divisional names. *Proceedings of the Malacological Society of London* 25 (3): 111-118. <https://doi.org/10.1093/oxfordjournals.mollus.a064429>
- KENNEDY W. J., MORRIS N. J. & TAYLOR J. D. 1970. — The shell structure, mineralogy and relationships of the Chamacea (Bivalvia). *Palaeontology* 13 (3): 379-413. <https://www.biodiversitylibrary.org/page/50090057>
- KETCHAM R. K. 1966. — Investigation of surnames as a cultural hobby. *The French Review* 40 (3): 368-376. <http://www.jstor.org/stable/384470>
- KHALLOUFI N., TOLEDO C., MACHORDOM A., BOUMAÏZA M. & ARAUJO R. 2011. — The unionids of Tunisia: taxonomy and phylogenetic relationships, with redescription of *Unio ravoisieri* Deshayes, 1847 and *U. durieui* Deshayes, 1847. *Journal of Molluscan Studies* 77 (2): 103-115. <https://doi.org/10.1093/mollus/eyq046>
- KIENER L. C. 1836 [1835-1838]. — *Spécies général et iconographie des coquilles vivantes comprenant la collection du Muséum d'Histoire naturelle de Paris: la collection Lamarck, celle du prince Masséna (appartenant maintenant à M.B. Delessert) et les découvertes récentes des voyageurs* 8, Famille des Purpurifères. Première partie, Genre Pourpre, Baillièrre et fils, Paris, 151 p., 46 pls [Collation provided by Faber, 2011-2012, not included here]. <https://www.biodiversitylibrary.org/page/2427797>
- KIENER L. C. 1841 [1840-1841]. — *Monograph of the genus Columbella. Spécies général et iconographie des coquilles vivantes comprenant la collection du Muséum d'Histoire naturelle de Paris: la collection Lamarck, celle du prince Masséna (appartenant maintenant à M.B. Delessert) et les découvertes récentes des voyageurs* 9, Famille des Purpurifères. Deuxième partie, Genre Columbella, Baillièrre et fils, Paris, 63 p., 16 pls [Collation provided by Faber, 2011-2012, not included here]. <https://www.biodiversitylibrary.org/page/2425711>
- KILBURN R. N. 1981. — Revision of the genus *Ancilla* Lamarck, 1799 (Mollusca: Olividae: Ancillinae). *Annals of the Natal Museum* 24 (2): 349-463. [https://doi.org/10.10520/AJA03040798\\_544](https://doi.org/10.10520/AJA03040798_544)
- KILBURN R. N. 2009. — Genus *Kermia* (Mollusca: Gastropoda: Conoidea: Conidae: Raphitominae) in South African waters, with observations on the identities of related extralimital species. *South African Invertebrates* 50 (2): 217-236. <https://doi.org/10.5733/afin.050.0201>
- KILBURN R. N., FEDOSOV A. E. & KANTOR Y. 2014. — The shallow-water New Caledonia Drilliidae of genus *Clavus* Montfort, 1810 (Mollusca: Gastropoda: Conoidea). *Zootaxa* 3818 (1): 1-69. <https://doi.org/10.11646/zootaxa.3818.1>
- KILBURN R. N., FEDOSOV A. E. & OLIVERA B. M. 2012. — Revision of the genus *Turris* Batsch, 1789 (Gastropoda: Conoidea: Turridae) with the description of six new species. *Zootaxa* 3244: 1-58. <https://doi.org/10.11646/zootaxa.3244.1.1>
- KITTEL K. & HIRSCHFELDER H.-J. 2022. — The family Clausiliidae on the Peloponnesse Peninsula, Greece – a comprehensive and updated survey of all known taxa with a description of seven new subspecies (Gastropoda: Pulmonata). *Acta Conchylorum, Monographien* 21: 1-290.
- KLIPSTEIN A. V. 1843. — *Beiträge zur geologischen Kenntniss der östlichen Alpen*. Georg Friedrich Heyer's Verlag, Glessen, x + 311 + [1] p., frontispiece, 20 pls [p. 1-144, frontispiece, pls 1-8 (1843); p. 145-240, pl. 9-15 (1844); p. 241-311, pl. 16-20 (1845) [dating: Hagdorn 2004].
- KLÖDEN K. F. 1834. — *Die Versteinerungen der Mark Brandenburg, insonderheit diejenigen, welche sich in den Rollsteinen und Blöcken der südbaltischen Ebene finden*. C. G. Lüderitz, Berlin, x + 378 p., 10 pls.
- KOCH F. C. L. & DUNKER W. 1837. — *Beiträge zur Kenntniss des norddeutschen Oolithgebildes und dessen Versteinerungen*. Oehme & Müller, Braunschweig, 64 p., 7 pls.
- KÖHLER F., CRISCIONE F., HALLAN A., HYMAN I. & KESSNER V. 2020. — Lessons from Timor: shells are poor taxonomic indicators in *Asperitas* land snails (Stylommatophora, Dyakiidae). *Zoologica Scripta* 49 (6): 732-745. <https://doi.org/10.1111/zsc.12449>
- KÖHLER F. & GLAUBRECHT M. 2001. — Toward a systematic revision of the Southeast Asian freshwater gastropod *Brotia* H. Adams, 1866 (Cerithioidea: Pachychilidae): an account of species from around the South China Sea. *Journal of Molluscan Studies* 67 (3): 281-318. <https://doi.org/10.1093/mollus/67.3.281>
- KÖHLER F. & RINTELEN T. 2011. — *Mekongia turbinata*. The IUCN Red List of Threatened Species 2011: e.T189164A8695141. <http://www.iucnredlist.org/details/189164/0>
- KOHN A. J. 1988. — Type specimens and identity of the described species of *Conus*. VIII. The species described 1821-1830. *Zoological Journal of the Linnean Society* 93 (1): 19-70 [Deshayes: p. 31-32]. <https://doi.org/10.1111/j.1096-3642.1988.tb01359.x>
- KOHN A. J. 1992. — *A chronological taxonomy of Conus, 1758-1840*. Smithsonian Institution Press, Washington, D.C., x + 315 p., 26 pls [Primarily an updated and repaginated edition of his 1963-1988 papers, with a new chapter on species described between 1831 and 1840; Deshayes, p. 208-209; 234; 259-260].
- KOHN A. J. 2014. — *Conus of the Southeastern United States and Caribbean*. Princeton University Press, Princeton (New Jersey), xvi + 459 pp.
- KOLLMANN H. A. [TRANSLATED BY J.-C. FISCHER & C. WEBER] 1997. — *Révision critique de la Paléontologie Française d'Alcide d'Orbigny, Volume II: Gastropodes Jurassiques*. Paris: Masson & Muséum national d'Histoire naturelle, 300 p., 38 pls [modern analysis]; ii + 623 p. pls 235-431 & 237 bis [reprint of d'Orbigny's original text and pls.]
- KOLLMANN H. A. [TRANSLATED BY J.-C. FISCHER] 2005. — *Révision critique de la paléontologie française, d'Alcide d'Orbigny, Volume III. Gastropodes Crétacés*. Backhuys, Leiden, 239 p., 18 pls [modern analysis]; ii + 456, pls 149-236 [reprint of d'Orbigny's original text and pls.]
- KOLLMANN H. A. 2014. — The extinct Nerineoidea and Acteonelloidea (Heterobranchia, Gastropoda): a palaeobiological approach. *Geodiversitas* 36 (3): 349-383. <https://doi.org/10.5252/g2014n3a2>



- KONOPLEVA E. S., PFEIFFER J. M., VIKHREV I. V., KONDAKOV A. V., GOFAROV M. YU., AKSENOVA O. V., LUNN Z., CHAN N. & BOLOTOV I. N. 2019. — A new genus and two new species of freshwater mussels (Unionidae) from western Indochina. *Scientific Reports (Nature)* 9: 4106. <https://doi.org/10.1038/s41598-019-39365-1>
- KOOL H. H. 2015. — On two frequently “lumped” and misidentified species of *Nassarius*, with the introduction of *N. bourbonensis nomen novum* (Gastropoda: Nassariidae). *Miscellanea Malacologica* 6 (6): 99-105.
- KOOL H. H. & GILI C. 2020. — Extraordinary confusion about *Nassarius livescens* (Philippi, 1849) (Gastropoda: Nassariidae), its identity and synonymy. *Miscellanea Malacologica* 8 (6): 101-112.
- KOPPKA J. 2015. — Revision of the Bivalvia from the Upper Jurassic Reuchenette Formation, northwest Switzerland - Ostreoidea. *Zootaxa* 2917 (1): 1-117, incl. pls 1-22. <https://doi.org/10.11646/zootaxa.3927.1.1>
- KOPPKA J. 2018. — Pinnidae (Bivalvia) from the Reuchenette Formation (Kimmeridgian, Upper Jurassic) of northwest Switzerland. *Acta Geologica Polonica* 68 (1): 21-51, 4 pls. <https://doi.org/10.1515/agp-2017-0027>
- KORSHUNOVA T. A. & MARTYNOV A. 2020. — Consolidated data on the phylogeny and evolution of the family Tritoniidae (Gastropoda: Nudibranchia) contribute to genera reassessment and clarify the taxonomic status of the neuroscience models *Tritonia* and *Tochuina*. *Plos One* 15 (11): 1-47. <https://doi.org/10.1371/journal.pone.0242103>
- KOSKERIDOU E., GIAMALI C., ANTONARAKOU A., KONTAKIOTIS G. & KARAKITSIOS V. 2017. — Early Pliocene gastropod assemblages from the eastern Mediterranean (SW Peloponnese, Greece) and their palaeobiogeographic implications. *Geobios* 50 (4): 267-277. <https://doi.org/10.1016/j.geobios.2017.06.003>
- KOSTÁK M. & HOSGÖR I. 2012. — Belosaeipiid (Cephalopoda, Coleoidea) record from the Early Eocene of the Hakkari area (southeast Turkey) and its significance. *Neues Jahrbuch für Geologie und Paläontologie, Abhandlungen* 266 (1): 59-65. <https://doi.org/10.1127/0077-7749/2012/0260>
- KOUDENOUKPO Z. C., ODOUNTA O. H., VAN BOCLAEER B., SABLON R., CHIKOU A. & BACKELJAU T. 2020. — Checklist of the fresh and brackish water snails (Mollusca, Gastropoda) of Bénin and adjacent West African ecoregions. *ZooKeys* 942: 21-64. <https://doi.org/10.3897/zookeys.942.52722>
- KOZLOVA N. V. & ARKADIEV V. V. 2003. — Titonskie-nizhnelovoye aptichi (Ammonoidea) Gornogo Kryma [Tithonian-Lower Cretaceous Aptychi (Ammonoidea) from mountainous Crimea]. *Paleontologicheskii Zhurnal* 2003 (4): 36-44 [translated, *Paleontological Journal* 37 (4): 371-381].
- KNEUBÜHLER J., HUTTERER R., PFARRER B. & NEUBERT E. 2019. — Anatomical and phylogenetic investigation of the genera *Alabastrina* Kobelt, 1904, *Siretia* Pallary, 1926, and *Otala* Schumacher, 1817 (Stylommatophora, Helicidae). *ZooKeys* 843: 1-37. <https://doi.org/10.3897/zookeys.843.32867>
- KREIPL K. 1997. — *Recent Cassidae*. Verlag Christa Hemmen, Darmstadt, 151 p., 24 pls.
- KRUG P. J., VENDETTI J. E. & VALDÉS Á. 2016. — Molecular and morphological systematics of *Elysia* Risso, 1818 (Heterobranchia: Sacoglossa) from the Caribbean region. *Zootaxa* 4148 (1): 1-137. <http://doi.org/10.11646/zootaxa.4148.1.1>
- KUMAR S. 2014. — Taxonomic revision of Late Cretaceous (Turonian) bivalves from Narmada Basin, central India. *Journal of Earth Science and Engineering* 4 (8): 500-515. <http://doi.org/10.17265/2159-581X/2014.08.006>
- KUŽNIK-KOWALSKA E. 2008. — Shell variation in the genus *Discus* Fitzinger, 1833 (Gastropoda: Endodontidae). *Folia Malacologica* 16 (1): 1-16. <https://doi.org/10.12657/folmal.016.001>
- LAM A. & LECKIE R. M. 2020. — Late Neogene and Quaternary diversity and taxonomy of subtropical to temperate planktic foraminifera across the Kuroshio Current Extension, northwest Pacific Ocean. *Micropaleontology* 66 (3): 177-268.
- LAMARCK J. B. P. 1801. — *Système des animaux sans vertèbres, ou tableau général des classes, des ordres et des genres de ces animaux...* The author & Deterville, Paris, viii + 432 p. <https://www.biodiversitylibrary.org/page/14117719>
- LAMARCK J. B. P. 1805. — Suite des mémoires sur les fossiles des environs de Paris [one part]. *Annales du Muséum d'Histoire naturelle* 6: 407-415. <https://www.biodiversitylibrary.org/page/29094370>
- LAMARCK J. B. P. 1806. — Suite des mémoires sur les fossiles des environs de Paris. *Annales du Muséum d'Histoire naturelle* 7: 231-244, 419-430, pl. 13-15. <https://www.biodiversitylibrary.org/page/28888212>
- LAMARCK J. B. P. 1816. — *Tableau encyclopédique et méthodique des trois règnes de la nature. Mollusques et Polytypes divers. Liste des objets représentés dans les planches de cette livraison*. Livraison 84, Part. 23, Veuve Agasse, Paris, 16 p., pl. 391-488, 431bis, 431bis\*.
- LAMARCK J. B. P. 1818. — *Histoire naturelle des animaux sans vertèbres, présentant les caractères généraux et particuliers de ces animaux, leur distribution, leurs classes, leurs familles, leurs genres, et la citation des principales espèces qui s'y rapportent...* Vol. 5. Deterville, Paris, 612 p. <https://www.biodiversitylibrary.org/page/12886879>
- LAMBERT J. & THIÉRY P. 1924. — *Essai de nomenclature raisonnée des échinides*. Librairie Ferrière, Chaumont: 513-607, pls 12-13, 15.
- LAMBRECHT K., QUENSTEDT W. & QUENSTEDT A. 1938. — *Palaeontologi: Catalogus bio-bibliographicus. Fossilium catalogus I: Animalia* 72: xxii + 495 p. [reprinted, 1978, Arno Press] [Deshayes, p. 112-113].
- LAMPRELL K. L. & WHITEHEAD T. 1992. — *Bivalves of Australia*. Vol. 1. Bathurst, New South Wales, xiii + 182 p.
- LAMY D. & POINTIER J.-P. 2017. — *Marine and Freshwater Molluscs of the French Caribbean*. Beta, Spain, PLN Éditions, 785 p., 254 pls.
- LAMY E. 1912. — Note sur le *Mesodesma mactroides* Deshayes. *Bulletin du Muséum national d'Histoire naturelle* 18 (5): 312-316. <https://www.biodiversitylibrary.org/page/34142401>
- LAMY E. 1919. — Révision des Astartidae vivants du Muséum national d'Histoire naturelle de Paris. *Journal de Conchyliologie* 64 (2): 70-119. <https://www.biodiversitylibrary.org/page/15920895>
- LAMY E. 1923. — Révision des *Petricola* vivants du Muséum national d'Histoire naturelle de Paris. *Journal de Conchyliologie* 68 (4): 309-359, pl. 3. <http://gallica.bnf.fr/ark:/12148/bpt6k6140842n/f35.item>
- LAMY E. 1925. — Note sur le genre *Basterotia* Mayer, 1859 (Mollusques lamellibranches). *Comptes-Rendus du Congrès des Sociétés savantes*, 1925: 503-508. <https://gallica.bnf.fr/ark:/12148/bpt6k54263828/f496.image>
- LAMY E. 1927. — Sur diverse coquilles de la Mer Rouge figurées en 1830 par Léon de Laborde. *Bulletin du Muséum national d'Histoire naturelle*, sér. 1, 32 (6): 378-383. <https://www.biodiversitylibrary.org/page/51950672>
- LAMY E. 1928. — Sur une coquille de la Mer Rouge: *Prasina borbonica* Deshayes. *Bulletin du Muséum national d'Histoire naturelle* 34 (4): 272-277. <https://www.biodiversitylibrary.org/page/52050549>
- LAMY E. 1941. — Révision des Corbulidae vivants du Muséum national d'Histoire naturelle de Paris. *Journal de Conchyliologie* 84 (1): 5-33, (2): 121-144, (3): 211-254.
- LANDAU B., BEU A. & MARQUET R. 2004. — The Early Pliocene Gastropoda (Mollusca) of Estepona, southern Spain. Part 5: Tonnoidea, Ficoidea. *Palaeontos* 5: 35-102, 10 pls.
- LANDAU B. M., PETTIT R. E., ETTER W. & DA SILVA C. M. 2012. — New species and records of Cancellariinae (Caenogastropoda) from tropical America, together with a catalogue of Neogene to Recent species from this region. *Cainozoic Research* 9 (2): 193-279, pls 1-6.
- LANDAU B. M., HARZHAUSER M., ISLAMOĞLU Y. & DA SILVA C. M. 2013. — Systematics and palaeobiogeography of the gastropods of the middle Miocene (Serravallian) Karaman Basin, Turkey. *Caenozoic Research* 11-13: 3-584. <https://natuurtijdschriften.nl/pub/1020188>
- LANDAU B. M., CEULEMANS L. & VAN DINGENEN F. 2019. — The upper Miocene of northwestern France, 4. Neogastropoda. *Cainozoic Research* 19 (2): 135-215, pls 1-62.
- LANDAU B. M., CEULEMANS L. & VAN DINGENEN F. 2020. — The upper Miocene gastropods of northwestern France, 6. Heterobranchia. *Cainozoic Research* 20 (2): 257-278, pls 1-23.

- LANDAU B. M., HARZHAUSER M. & MALAQUIAS M. 2023. — The Pliocene Gastropoda (Mollusca) of Estepona, southern Spain. Part 22: Marine Heterobranchia (excluding Pyramidelloidea). *Caenozoic Research* 23 (2): 337-432.
- LANDAU B. M., VAN DINGENEN F. & CEULEMANS L. 2017. — The upper Miocene gastropods of northwestern France, 1. Patellogastropoda and Vetigastropoda. *Cainozoic Research* 17 (2): 75-166, pls 1-77.
- LA PERNA R. 2007. — The deep-water protobranch *Deminucula* (Bivalvia) in the Mediterranean Plio-Pleistocene and the contribution of palaeobiology to taxonomy. *Bollettino Malacologico* 43 (1-8): 3-12. <https://www.biodiversitylibrary.org/page/49936786>
- LAURIAT-RAGE A. 1982. — Les Astartidae (Bivalvia) du Redonien (Pliocène atlantique de France). Systématique, Biostratigraphie, Biogéographie. *Mémoires du Muséum national d'Histoire naturelle, sér. C*, 48: 1-118.
- LAZO D. G. 2003. — Taxonomy, facies relationships and palaeobiology of bavevelliid bivalves from the Lower Cretaceous of west-central Argentina. *Cretaceous Research* 24: 765-788. <https://doi.org/10.1016/j.cretres.2003.09.001>
- LEBRUN P., PACAUD J.-M. & COURVILLE P. 2016. — Les xénophores: des gastéropodes agglutinants. Les espèces du Cénozoïque français. *Fossiles. Revue française de Paléontologie* 28: 27-47.
- LECOINTRE G. & RANSON G. 1962. — *Ostrea offreti* Kilian 1889 du Miocène circummediterranéen. *Bulletin de la Société géologique de France* 7 (3): 288-289, pl. 7-8. <https://doi.org/10.2113/gssgfbull.S7-III.3.288>
- LEDON D. 2011a. — Les volutes fossiles de France, deuxième partie: le genre *Athleta*, sous-genre *Neoathleta*. *Xenophora* 133: 26-28.
- LEDON D. 2011b. — Les volutes fossiles de France, troisième partie: le genre *Pleijona*. *Xenophora* 134: 36-37.
- LEE H. G., DIMITRIS A. & ROBERTS S. 2023. — Toward the demystification of Florida-Caribbean LWC's; babystep 1, *Cymatioa mazyckii*. *Shell-O-Gram* (Jacksonville) 64 (6): 2-9.
- LEE T. & Ó. FOIGHIL D. 2003. — Phylogenetic structure of the Sphaeriinae, a global clade of freshwater bivalve molluscs, inferred from nuclear (ITS-1) and mitochondrial (16S) ribosomal gene sequences. *Zoological Journal of the Linnean Society* 137 (2): 245-260. <https://doi.org/10.1046/j.1096-3642.2003.00047.x>
- LE RENARD J. 1990. — Clefs de détermination des petites espèces de Gastéropodes de l'Éocène du Bassin parisien. 39: La sous-famille des Rissoinae Gray 1847. *Cahiers des Naturalistes, Bulletin des Naturalistes parisiens* (nouvelle série) 46 (2): 33-53.
- LE RENARD J. 1992. — Notes de nomenclature sur quelques mollusques caractéristiques de l'Éocène du bassin de Paris. *Cossmanniana* 1 (2-4): 1-14.
- LE RENARD J. 1994. — Révision des mollusques paléogènes du bassin de Paris. I – Rectifications de nomenclature d'espèces. *Cossmanniana* 3 (2): 35-40.
- LE RENARD J. 1995. — Révision des mollusques Paléogènes du Bassin de Paris. III – Chronologie des créateurs de références primaires. *Cossmanniana* 3 (4): 133-150.
- LE RENARD J. 1996. — Clefs de détermination des petites espèces de Gastéropodes de l'Éocène du bassin parisien. 40: La famille des Irvadiidae Thiele, 1928. *Cahiers des Naturalistes, Bulletin des Naturalistes parisiens* (nouv. sér.) 49 (4): 77-105.
- LE RENARD J. 1998. — *Triforis plicatus* Deshayes 1834 (Mollusca: Gastropoda) une espèce victime d'un artifice nomenclatural analysé: l'homonymisation par extension générique subséquente. *Cossmanniana* 5 (3-4): 115-118.
- LE RENARD J. & PACAUD J.-M. 1995. — Révision des mollusques paléogènes du bassin de Paris. 2: Liste des références primaires des espèces. *Cossmanniana* 3 (3): 65-132.
- LE RENARD J., SABELLI B. & TAVIANI M. 1996. — On *Candinia* (Sacoglossa: Juliidae), a new fossil genus of bivalved gastropods. *Journal of Paleontology* 70 (2): 230-235. <https://doi.org/10.1017/S0022336000023313>
- LEROY A., MOREAU F., PLAZIAT J.-C., PACAUD J.-M., BIGNOT G. & DION M. 2014. — La série marine du Thanétien moyen (Formation des Sables de Châlons-sur-Vesle) à Cauroy-lès Hermonville (Marne, France). Description et interprétation environnementale de sa sédimentation et de sa faune. *Cossmanniana* 16: 3-54, pls 1-33.
- LESPOURT J.-F., LOZOUET P., PACAUD J.-M., ROCHER P., RENARD P. & FAVIA R. 2019. — The Bivalvia (Mollusca) from the Aquitanian (lower Miocene) of Saucats "Larier" (Gironde, southwestern France). 2. Heterodonta (first part). *Cossmanniana* 21: 3-99, pls 1-18.
- LESSON R. P. 1830-1831. — *Voyage autour du monde, exécuté par ordre du Roi, sur la corvette de sa Majesté, La Coquille, pendant les années 1822, 1823, 1824 et 1825, sous le ministère et conformément de S. E. M. Le Marquis de Clermont-Tonnere, Ministre de la Marine; et publié sur les auspices de son Excellence Mgr. Le Cte De Chabrol, Ministre de la Marine et des Colonies. Histoire naturelle. Zoologie*, Vol. 2 (1) [reptiles, fish & mollusks]: 471 p., 157 pls ["Mollusca": p. 239-456, 16 pls.]. Bertrand, Paris. Collation of molluscan section from: Sherborn & Woodward (1901a; 1906a) & Cretella (2010). <https://www.biodiversitylibrary.org/page/38663729>

Livraison	Mollusca pages	Mollusques pls in Atlas	Date
14	–	1-3	9 January 1830
16	–	4-6	1 May 1830
17	–	7	26 May 1830
19	–	8, 9	25 November 1830
20	–	12	7 March 1831
23	–	10	25 July 1831
25	239-240	11	13 October 1831
26	241-456	14, 16	15 November 1831
27	–	13, 15	22 December 1831

- LI B. & LI X. 2014. — Report on the Raphitomidae Bellardi, 1875 (Mollusca: Gastropoda: Conoidea) from the China seas. *Journal of Natural History* 48 (17-18): 999-1025. <https://doi.org/10.1080/00222933.2013.861939>
- LINDBERG D. R. & VERMEIJ G. J. 1985. — *Patelloida chamorroorum* spec. nov.: a new member of the Tethyan *Patelloida profunda* group (Gastropoda: Acmaeidae). *The Veliger* 27 (4): 411-417. <https://www.biodiversitylibrary.org/page/42481467>
- LOCARD A. 1878. — Description de la faune de la mollasse marine et d'eau douce du Lyonnais et du Dauphiné. *Archives du Muséum d'Histoire naturelle de Lyon* 2: 1-284, pl. 18-19. <https://www.biodiversitylibrary.org/page/39004430>
- LORENZ F. & CHIAPPONI M. 2005. — Revision of the *Bistolida owenii*-complex (Gastropoda: Cypraeidae) with the description of a new subspecies. *Visaya* 1 (5): 22-36, pls 1-7.
- LORENZ F. & FEHSE D. 2009. — *The Living Oculidae. A Manual of the Families Allied to Cowries: Oculidae, Pediculariidae and Eocypaeidae*. Conchbooks, Hackenheim, 651 p., 203 pls.
- LORLIOL P. DE, ROYER E. & TOMBECK H. 1872a. — Monographie paléontologique et géologique des étages supérieurs de la formation jurassique du département de la Haute-Marne. *Mémoires de la Société linnéenne de Normandie* 16: 1-539. <https://orange.univ-lorraine.fr/sl/orange/item/10020>
- LORLIOL P. DE, ROYER E. & TOMBECK H. 1872b. — *Description géologique et paléontologique des étages Jurassiques Supérieurs de la Haute-Marne*. Savy, Paris, 542 p., 26 pls.
- LORLIOL P. DE & KOPY, E., 1891. — Études sur les mollusques des couches coralligènes inférieures du Jura Bernois. Troisième partie. *Mémoires de la Société paléontologique Suisse* 18: 175-258, pl. 19-27.
- LÖSER H. 2002. — *Catalogue of Cretaceous corals*. Vol. 2. *List of Citations*. Part 2. *List of citations (L-Z), Glossary, References*. C Press, Dresden: 373-784.
- LÖSER H. 2012. — *Podoseris* – a poorly known solitary coral from the Alban of England (Scleractinia). *Palaeodiversity* 5: 7-11.



- LOSER H., FERNANDEZ-MENDIOLA K., PÉREZ-MALO J., DOMÍNGUEZ PASCUAL S. & BRUNO C. 2021. — Redefinition of the family Rhizangiidae (Scleractinia; Cretaceous to Recent) and description of a new genus from the Early Cretaceous of Spain. *Neues Jahrbuch für Geologie und Paläontologie, Abhandlungen* 299(3): 259-274. <https://doi.org/10.1127/njgpa/2021/0968>
- LOWE R. T. 1855. — Catalogus molluscorum pneumonatorum insularum madeirnsium: or a list of all the land and fresh-water shells, Recent and fossil, of the Madeiran Islands: arranged in groups according to their natural affinities; with diagnoses of the groups, and of the new or hitherto imperfectly defined species. *Proceedings of the Zoological Society of London* 22 [for 1854] (270-273): 161-218. <https://doi.org/10.1111/j.1469-7998.1854.tb07266.x>
- LOZOUET P. (COORD.) 2012. — *Stratotype Stampien*. Muséum national d'Histoire naturelle, Paris; Biotope, Mèze, 464 p. (Patrimoine géologique; 4).
- LOZOUET P. 2015. — Nouvelles espèces de gastéropodes (Mollusca: Gastropoda) de l'Oligocène et de Miocène inférieur d'Aquitaine (Sud-Ouest de la France). Partie 5. *Cossmanniana* 17: 17-84, pls 1-22.
- LOZOUET P. 2021a. — Buccinoidea (Mollusca, Gastropoda, Neogastropoda) de l'Oligocène supérieur (Chattien) du bassin de l'Adour (Sud-Ouest de la France). *Cossmanniana* 22: 3-129, pls 1-43.
- LOZOUET P. 2021b. — Turbinelloidea, Mitroidea, Olivoidea, Babyloniidae et Harpidae (Gastropoda, Neogastropoda) de l'Oligocène supérieur (Chattien) du bassin de l'Adour (Sud-Ouest de la France). *Cossmanniana* 23: 3-69, pls 1-21.
- LOZOUET P. & GALINDO L. A. 2015. — Resolution of the confused classification of some Miocene Nassariidae and reappraisal of their paleobiodiversity on the French Atlantic seaboard (Gastropoda: Neogastropoda). *Archiv für Molluskenkunde* 144 (1): 31-50. <https://doi.org/10.1127/arch.moll/1869-0963/144/031-050>
- LOZOUET P. & KRYGELMANS A. 2016. — A new species of Indo-Pacific Modulidae (Mollusca: Caenogastropoda). *Zootaxa* 4103 (2): 195-200. <https://doi.org/10.11646/zootaxa.4103.2.12>
- LOZOUET P. & LONDEIX L. 2014. — Liste du contenu paléontologique. Mollusca, in LONDEIX L. (ed.), *Stratotype Aquitainien*. Muséum national d'Histoire naturelle, Paris; Biotope, Mèze: 85-119 on CD-ROM (Patrimoine géologique; 5).
- LOZOUET P. & MAESTRATI P. 2012a. — Le contenu paléontologique. Mollusques, in LOZOUET P. (ed.), *Stratotype Stampien*. Muséum national d'Histoire naturelle, Paris; Biotope, Mèze: 239-297. (Patrimoine géologique; 4).
- LOZOUET P. & MAESTRATI P. 2012b. — Le contenu paléontologique du Stampien du bassin de Paris: Mollusca, in LOZOUET P. (ed.), *Stratotype Stampien*. Muséum national d'Histoire naturelle, Paris; Biotope, Mèze: 22-36 on CD-ROM (Patrimoine géologique; 4).
- LOZOUET P., LESPORT J.-F. & RENARD P. 2001. — Révision des Gastropoda (Mollusca) du Stratotype de l'Aquitainien (Miocène inf.): site de Saucats "Larley", Gironde, France. *Cossmanniana hors-série* 3: 1-189, pls 1-37.
- LOZOUET P., PACAUD J.-M. & BUGE B. 2012. — Le patrimoine géologique. Les collections associées. Types et figures d'espèces stampiennes des collections historiques déposées au Muséum national d'Histoire naturelle de Paris, in LOZOUET P. (ed.), *Stratotype Stampien*. Muséum national d'Histoire naturelle, Paris; Biotope, Mèze: 408-433 (Patrimoine géologique; 4).
- LOZOUET P., CAHUZAC B. & CHARLES L. 2020. — New occurrences of Modulidae (Mollusca: Gastropoda) from European Eocene, Oligocene and Miocene deposits: data from 19th century collections. *Carnets de Géologie* 20 (7): 125-139. [Published online 17 March 2020, but no ZooBank registration, nor journal archiving. Archived in HAL on 23 April 2020 with ZooBank registration]. <https://hal.archives-ouvertes.fr/hal-02546640>
- LUBIN G. 1983. — *George Sand, correspondance, Tome XVII (Avril 1862 - Juillet 1863)*. Garnier Frères, Paris, xxii + 852 pp.
- LUNDGREN B. 1885. — Anmärkningar om Spondylusarterna i Sveriges Kritsystem. *Sveriges Geologiska Undersökning* (ser. C) 69: 1-16, 2 pls.
- LUTAENKO K. A. 2014. — Notes on type material of *Maetra sulcataria* Deshayes in Reeve, 1854 (Bivalvia: Macridae) and taxonomic history of the species. *The Bulletin of the Russian Far East Malacological Society* 18: 97-106.
- LUTAENKO K. A., NOSEWORTHY R. G. & CHOI K.-S. 2019. — Marine bivalve mollusks of Jeju Island (Korea). Part 1. *Korean Journal of Malacology* 35 (2): 149-238.
- LUTAENKO K. A., NOSEWORTHY R. G. & CHOI K.-S. 2021. — Marine bivalve mollusks of Jeju Island (Korea). Part 2. *Korean Journal of Malacology* 37 (4): 197-291.
- LÜTZEN J. & NIELSEN C. 2005. — Galeommatid bivalves from Phuket, Thailand. *Zoological Journal of the Linnean Society* 144 (3): 261-308. <https://doi.org/10.1111/j.1096-3642.2005.00168.x>
- LYCETT J. 1850. — Tabular view of fossil shells from the middle division of the Inferior Oolite in Gloucestershire. *Annals and Magazine of Natural History*, ser. 2, 6 (34): 401-425, pl. 11. <https://www.biodiversitylibrary.org/page/16086826>
- LYELL C. 1833. — *Principles of Geology, being an Attempt to Explain the Former Changes of the Earth's Surface, by Reference to the Causes now in Operation*. Vol. 3. J. Murray, London, frontispiece, xxxi + [-xxxii - errata], 5 pls, 396 p., Appendix, 109 p. [see also 1833 entry in Deshayes section above]. <https://doi.org/10.5962/bhl.title.50860>
- LYELL C. 1852. — On the Tertiary strata of Belgium and French Flanders. Part II. The Lower Tertiaries of Belgium. *Quarterly Journal of the Geological Society of London* 8 (1): 277-370, pl. 17-20, fold-out table. <https://www.biodiversitylibrary.org/page/35461331>
- LYONS W. & SNYDER M. A. 2019. — Reassignments to the genus *Marmorofusus* Snyder & Lyons, 2014 (Neogastropoda: Fasciolaridae: Fusininae) of species from the Red Sea, Indian Ocean, and southwestern Australia. *Zootaxa* 4714 (1): 1-64. <https://doi.org/10.11646/zootaxa.4714.1.1>
- MACFARLAND F. M. 1924. — Expedition of the California Academy of Sciences to the Gulf of California in 1921. Opisthobranchiate Mollusca. *Proceedings of the California Academy of Sciences* (4) 13 (25): 389-420, pls 10-12. <https://www.biodiversitylibrary.org/page/3137695>
- MAESTRATI P. & LOZOUET P. 1995. — Révision des genres de la famille Trapeziidae (Mollusca, Bivalvia) du Cénozoïque. *Geobios* 28 (2): 185-197, pl. 29-30. [https://doi.org/10.1016/S0016-6995\(95\)80225-8](https://doi.org/10.1016/S0016-6995(95)80225-8)
- MAIO N., PETRACCIOLI A., CROVATO P., AMOR N. & ODIERNA G. 2013. — New faunistic data on *Trochoidea* (*Trochoidea*) *caroni* (Deshayes, 1832) (Gastropoda Pulmonata Hygromiidae). *Biodiversity Journal* 4 (4): 483-500. [https://www.biodiversityjournal.com/contents2013\\_4.html](https://www.biodiversityjournal.com/contents2013_4.html)
- MALLARD D. & ROBIN A. 2017. — *Recent Fasciolaridae*. Conchbooks, Harxheim, 352 p.
- MANDIC O., HARZHAUSER M. & NEUBAUER T. A. 2020. — Taxonomy, palaeoecology and stratigraphy of the middle Miocene mollusk fauna from the Gračanica coal pit near Bugojno in Bosnia and Herzegovina. *Palaeobiodiversity and Palaeoenvironments* 100 (2): 519-549. <https://doi.org/10.1007/s12549-020-00423-6>
- MANGANELLI G., MARTINI I. & BONOCCHI A. 2011. — A new *Janulus* species (Gastropoda, Pulmonata, Gastrodonitidae) from the Zanclean (early Pliocene) of Tuscany (central Italy). *Bollettino della Società Paleontologica Italiana* 50 (3): 165-173. <https://doi.org/10.4435/BSPI.2011.15>
- MANGANELLI G., SPADINI V. & MARTINI I. 2010. — Rediscovery of an enigmatic Euro-Mediterranean Pliocene nassariid species: *Nassarius crassiusculus* Bellardi, 1882 (Gastropoda: Nassariidae). *Bollettino della Società Paleontologica Italiana* 49 (3): 195-202.
- MANOUSIS T. & GALINOU-MITSPPOUDI S. 2014. — New gastropod records for the eastern Mediterranean Sea and one new alien

- (*Emarginula decorata* Deshayes, 1863) for the Mediterranean Sea from NW Aegean Sea, Greece. *Journal of Biological Research* 21 (1): 1-20. <https://doi.org/10.1186/2241-5793-21-20>
- MANTELL R. N. 1850. — An account of the strata and organic remains exposed in the cuttings of the branch railway, from the Great Western Line near Chippenham, through Trowbridge, to Westbury in Wiltshire. *Quarterly Journal of the Geological Society of London* 6 (1): 310-319, pl. 30 [List of organic remains obtained by Mantell N., Esq. from the railway cuttings above described by John Morris, p. 315-319, pl. 30]. <https://www.biodiversitylibrary.org/page/36934169>
- MARKO P. B., PALMER A. R. & VERMEIJ G. J. 2003. — Resurrection of *Nucella ostrina* (Gould, 1852), lectotype designation for *N. emarginata* (Deshayes, 1839), and molecular genetic evidence of Pleistocene speciation. *The Veliger* 46 (1): 77-85. <https://www.biodiversitylibrary.org/page/42496608>
- MARQUET R. & LANDAU B. M. 2006. — The gastropod fauna of the Luchtbal Sand Member (Lillo Formation, Zanclean, Early Pliocene) of the Antwerp region (Belgium). *Cainozoic Research* 5 (1-2): 13-49. <https://natuurtijdschriften.nl/pub/541726>
- MARQUET R., LENAERTS J., KARNEKAMP C. & SMITH R. 2008. — The molluscan fauna of the Borgloon Formation in Belgium (Rupelian, Early Oligocene). *Palaeontos* 12: 1-100.
- MARQUET R., LENAERTS J. & LAPORTE J. 2012. — A systematic study of the Bivalvia (Mollusca) from the Grimmertingen Sand Member and from the Klimmen Member (Early Oligocene) in Belgium and the Netherlands. *Palaeontos* 22: 1-151.
- MARQUET R., LENAERTS J. & LAPORTE J. 2016. — A systematic study of the Gastropoda (Mollusca) of the Grimmertingen Sand Member (early Oligocene) in Belgium. *Palaeontos* 29: 1-159.
- MARSHALL B. A. 1980. — The systematic position of *Triforis* Deshayes (Mollusca: Gastropoda). *New Zealand Journal of Zoology* 7 (1): 85-88. <https://doi.org/10.1080/03014223.1980.10423764>
- MARSHALL B. A. 1983. — A revision of the Recent Triphoridae of southern Australia (Mollusca: Gastropoda). *Records of the Australian Museum*, Supplement 1: 1-119. <https://doi.org/10.3853/j.0812-7387.2.1983.102>
- MARSHALL B. A. 2003. — A review of the Recent and late Cenozoic Calyptraeidae of New Zealand (Mollusca: Gastropoda). *The Veliger* 46 (2): 117-144. <https://www.biodiversitylibrary.org/page/42496652>
- MASSE J.-P., FRAU C., AUBERT F. & GESBERT D. 2022. — Non-rudist infralittoral bivalves from the Urgonian-type carbonate platforms of southeast France and the neighbouring regions: biodiversity, palaeoecological significance and relationships with rudists. *Cretaceous Research* 138: 1-19. <https://doi.org/10.1016/j.cretres.2022.105294>
- MASSIN C. 1982. — Contribution to the knowledge of two boring gastropods with an annotated list of the genera *Magilus* Montfort, 1810 and *Leptocoenochus* Rüppell, 1835. *Bulletin de l'Institut royal des Sciences naturelles de Belgique* 53 (17): 1-28, pl. 1.
- MATSUBARA T. 2013. — Validity of *Hiatula* Modeer, 1793 (Bivalvia: Psammobiidae). *Malacologia* 56 (1-2): 309-313. <https://doi.org/10.4002/040.056.0218>
- MATSUKUMA A. 2001. — On the authorship of some Japanese mastrid species (Mollusca: Bivalvia). *Chiribotan* 32 (1-2): 5-9 [in Japanese, with English summary].
- MAXWELL P. A. 1969. — Middle Tertiary Mollusca from North Otago and South Canterbury, New Zealand. *Transactions of the Royal Society of New Zealand, Earth Science* 6: 155-185, pls 1-3.
- MAXWELL S. J., RYMER T. L. & CONGDON B. C. 2021. — Resolving phylogenetic and classical nomenclature: a revision of Seraphisidae Jung, 1974 (Gastropoda: Neostromboidae [sic]). *Zootaxa* 4990 (3): 401-453. <https://doi.org/10.11646/zootaxa.4990.3.1>
- MAYER C. 1867. — *Catalogue systématique et descriptif des fossiles des terrains tertiaires qui se trouvent au Musée fédéral de Zürich, Deuxième cahier. Mollusques. Familles des Mastridés et des Pholadomyidés*. Schabelitz, Zurich, 65 p.
- MAYER-EYMAR C. 1893. — Description des coquilles fossiles des terrains tertiaires inférieurs (suite). *Journal de Conchyliologie* 41 (1): 51-61. <https://www.biodiversitylibrary.org/page/15861674>
- MCLEAN J. H. 1984. — Systematics of *Fissurella* in the Peruvian and Magellanic faunal provinces (Gastropoda: Prosobranchia). *Los Angeles County Museum of Natural History, Contributions in Science* 354: 1-70. <https://www.biodiversitylibrary.org/page/52130416>
- MCLEAN J. H. 2007. — *Shelled Gastropoda*, in CARLTON J. T. (ed.), *The Light and Smith Manual. Intertidal Invertebrates from Central California to Oregon*. 4th ed. University of California, Berkeley: 713-753, pls 355-373.
- MCLEAN J. H. 2011. — Reinstatement of the fissurellid subfamily Hemitominae, with the description of new genera, and proposed evolutionary lineage, based on morphological characters of shell and radula (Gastropoda: Vetigastropoda). *Malacologia* 54 (1-2): 407-427. <https://doi.org/10.4002/040.054.0111>
- MEDRANO S., KRUG P. J., GOSLINER T. M., BIJU KUMAR A. & VALDÉS Á. 2018. — Systematics of *Polybranchia* Pease, 1860 (Mollusca: Gastropoda; Sacoglossa) based on molecular and morphological data. *Zoological Journal of the Linnean Society* 186 (1): 76-115. <https://doi.org/10.1093/zoolinnean/zly050>
- MELVILL J. C. & STANDEN R. 1907. — The Mollusca of the Persian Gulf, Gulf of Oman and Arabian Sea as evidenced mainly through the collections of Mr. F. W. Townsend, 1893-1906, with descriptions of new species. Part 2, Pelecypoda. *Proceedings of the Zoological Society of London for 1906* (4): 783-848, pl. 53-56. <https://doi.org/10.1111/j.1469-7998.1901.tb08181.x>
- MELVILLE R. V. [AS "THE SECRETARY"] 1984. — Further comment on the proposal to validate *Cardium californiense* Deshayes, 1839 (Mollusca, Cardiidae). *Bulletin of Zoological Nomenclature* 41 (1): 5-7. <https://www.biodiversitylibrary.org/page/12228570>
- MENKE K. T. 1830. — *Synopsis methodica molluscorum generum omnium et specierum earum, quae in Museo Menkeano adservantur; cum synonymia critica et novarum specierum diagnosibus*, 2nd ed. Georgi Usler, Pymonti, xvi + 168-[169] p. <https://doi.org/10.5962/bhl.title.13172>
- MENKE K. T. 1844 [Review of]. — Histoire naturelle des animaux sans vertèbres etc. par J. B. P. A. de Lamarck etc. Deuxième édition, revue et augmentée par MM. G.-P. Deshayes et H. Milne-Edwards. Tome neuvième. Histoire des Mollusques, à Paris, ch. J. B. Baillièrre etc. 1843. 8. 728 S. *Zeitschrift für Malakozoologie* 1 (4): 19-32. <https://www.biodiversitylibrary.org/page/16291388>
- MENKE K. T. 1851. — Conchylien von Mazatlan mit kritischen Anmerkungen [first part]. *Zeitschrift für Malakozoologie* 8 (2): 17-25. <https://www.biodiversitylibrary.org/page/16300517>
- MERLE D. 2002. — *Eofavartia*, a new genus of Muricidae (Gastropoda: Neogastropoda) from the Lower Palaeogene of the Atlantic Ocean: implications for the radiation of the Muricopsinae Radwin & D'Attilio, 1971. *Comptes Rendus Palevol* 1 (3): 167-172. [https://doi.org/10.1016/S1631-0683\(02\)00024-6](https://doi.org/10.1016/S1631-0683(02)00024-6)
- MERLE D. 2005. — *Jowerbya*, a new genus of Muricidae (Mollusca: Gastropoda) from the Eocene of the Paris (France) and Hampshire (England) basins with a phylogenetic assessment of its Ocenebrine versus Ergalataxine affinities. *Geobios* 38: 505-517. <https://doi.org/10.1016/j.geobios.2004.02.002>
- MERLE D. 2008a. — Les grands auteurs de la paléontologie du Lutétien, in MERLE D. (ed.), *Stratotype Lutétien*. Muséum national d'Histoire naturelle, Paris; Biotopie, Mèze; BRGM, Orléans: 35-46 (*Patrimoine géologique*; 1).
- MERLE D. 2008b. — Le contenu paléontologique du Lutétien du bassin de Paris – Annelida, in MERLE D. (ed.), *Stratotype Lutétien*. Muséum national d'Histoire naturelle, Paris; Biotopie, Mèze; BRGM, Orléans: 95 (*Patrimoine géologique*; 1).
- MERLE D. & PACAUD J.-M. 2002. — The Early Paleogene muricid (Mollusca: Neogastropoda) from the Oiching beds (Hausberg area, Salzburg, Austria): revision and addition to the knowledge of the evolution of the Palaeocene and Lower Eocene *Poirieria*. *Mitteilungen Bayerische Staatssammlung für Paläontologie und Historische Geologie* 42: 3-14, pls 1-3. <https://www.biodiversitylibrary.org/page/29506853>



- MERLE D. & PACAUD J.-M. 2004. — New species of *Eocithara* Fischer, 1883 (Mollusca, Gastropoda, Harpidae) from the Early Paleogene with phylogenetic analysis of the Harpidae. *Geodiversitas* 26 (1): 61-87.
- MERLE D. & PACAUD J.-M. 2014. — Systematics, in MERLE D., PACAUD J.-M., METAIS G., BARTOLINI A., LASHARI R. A., BROHI I. A., SOLANGI S. H., MARIVAUX L. & WELCOMME J.-L. (eds), *Volutidae* (Mollusca: Gastropoda) of the Lakhra Formation (earliest Eocene, Sindh, Pakistan): systematics, biostratigraphy and paleobiogeography. *Zootaxa* 3826 (1): 101-138. <https://doi.org/10.11646/zootaxa.3826.1.3>
- MERLE D., DE WEVER P. & GÉLY J.-P. 2008. — Quelques biographies, in MERLE D. (ed.), *Stratotype Lutétien*. Muséum national d'Histoire naturelle, Paris; Biotope, Mèze; BRGM, Orléans: 47-53 (*Patrimoine géologique*; 1).
- MERLE D., GARRIGUES B. & POINTIER J.-P. 2011. — *Fossil and Recent Muricidae of the World. Part Muricinae*. Conchbooks, Hackenheim, 648 p., 182 pls.
- MERLE D., GARRIGUES B. & POINTIER J.-P. 2022. — *Fossil and Recent Muricidae of the World. Part Muricopsinae*. Conchbooks, Hackenheim, 528 p., 156 pls.
- MERLE D., PACAUD J.-M., LEDON D. & GORET B. 2024. — New Cenozoic Muricidae (Mollusca: Gastropoda) from Europe. *Geodiversitas* 46 (15): 844-930. <https://doi.org/10.5252/geodiversitas2024v46a15>. <http://geodiversitas.com/46/15>
- MÉTIVIER B. 1982. — Cours historique du Laboratoire de Biologie des Invertébrés Marins et Malacologie et de ses collections. *Xenophora* 12: 16-18 [Deshayes, p. 17, portrait].
- MICHEL L.-A. 1829. — *Biographie historique et généalogique des hommes marquans de l'ancienne province de Lorraine*. C. J. Hissette, Nancy, 529 + [iii] pp.
- MICHELOTTI G. 1839. — Brevi cenni di alcuni resti delle classi brachiopodi, ed acefali, trovati fossili in Italia. *Annali delle Scienze del Regno Lombardo-Veneto* 9 (3): 119-138.
- MIDDLEMISS F. A. 1981. — Lower Cretaceous Terebratulidae of the Jura region. 1. Revision on some species described by Pictet and de Loriol, 1872. *Eclogae Geologicae Helveticae* 74 (3): 701-733.
- MIDDLEMISS F. A. 1983. — Brachiopod synonymy: *Glosseudesia* and *Costithyrus*. *Eclogae Geologicae Helveticae* 76 (3): 689.
- MIENIS H. K. 2000. — Some notes concerning Carditidae from the Red Sea and a case of blister pearl formation in *Cardites rufa*. *Of Sea and Shore* 23: 131.
- MIKKELSEN P. M. & BIELER R. 2007. — *Seashells of Southern Florida. Living Marine Mollusks of the Florida Keys and Adjacent Regions. Bivalves*. Princeton University Press, Princeton, New Jersey, vii + 703 p.
- MILLET DE LA TURTAUDIÈRE P.-A. 1864. — *Indicateur de Maine-et-Loire ou indications par commune de ce que chacune d'elles renferme*. 1. Cosnier & Lachèse, Angers, 754 p.
- MILNE-EDWARDS H. 1857. — *Histoire naturelle des coralliaires ou polypes proprement dits*, Tome second, Librairie encyclopédique de Roret, Paris, 633 p. <https://www.biodiversitylibrary.org/page/12403706>
- MILNE-EDWARDS A., BLANCHARD É. & DESHAYES G.-P. 1871. — Rapport sur les dégâts occasionnés dans le département zoologique du Muséum d'Histoire naturelle par le bombardement de cet établissement scientifique par les Prussiens. *Bulletin des Nouvelles Archives du Muséum d'Histoire naturelle de Paris* 6: 29-32. <https://www.biodiversitylibrary.org/page/13961508>
- MINTON R. L. & PEREZ K. E. 2005. — A systematic checklist of the land snails of Louisiana. *Texas Journal of Science* 57 (2): 153-164.
- MOESCH C. 1875. — Monographie der Pholadomyen. *Abhandlungen der Schweizerischen Paläontologischen Gesellschaft* 2 (1): i-iv, 79-137, pl. 27-33. <https://doi.org/10.5962/bhl.title.53463>
- MOERDIJK P. W. & VAN NIEULANDE A. D. F. 2000. — Revision of Pliocene Glycymerididae (Mollusca, Bivalvia) from the North Sea Basin. *Contributions to Tertiary and Quaternary Geology* 37 (1-2): 3-21, pls 1-6.
- MONARI S. 2003. — A new genus and species of fimbriid bivalve from the Kimmeridgian of the western Pontides, Turkey, and the phylogeny of the Jurassic Fimbriidae. *Palaeontology* 46 (5): 857-884. <http://doi.org/10.1111/1475-4983.00323>
- MONARI S., VALENTINI M. & CONTI M. A. 2011. — Earliest Jurassic patellogastropod, vetigastropod, and neritimorph gastropods from Luxembourg with considerations on the Triassic-Jurassic faunal turnover. *Acta Palaeontologica Polonica* 56 (2): 349-384. <https://doi.org/10.4202/app.2010.0098>
- MONCADA E., LORD A., SIMONE L. R. L., ADJEI-BOATENG D., BOUCHET P., STRONG E. E., BIELER R. & GIRIBET G. 2022. — Marine surf to freshwater: a molecular phylogeny of Donacidae (Bivalvia: Heterodonta). *Invertebrate Systematics* 36 (11): 984-1001. <https://doi.org/10.1071/IS22026>
- MONEGATTI P. & RAFFI S. 2001. — Taxonomic diversity and stratigraphic distribution of Mediterranean Pliocene bivalves. *Palaeogeography, Palaeoclimatology, Palaeoecology* 165: 171-193. [https://doi.org/10.1016/S0031-0182\(00\)00159-0](https://doi.org/10.1016/S0031-0182(00)00159-0)
- MONES A. 1988. — Le Voyage dans l'Amérique méridionale [sic] de A. d'Orbigny: Parties "Géologie" y "Paléontologie", sus fechas de publication y consecuencias nomenclaturales. *Ameghiniana* 24 (3-4): 319-321.
- MONGIN D. 1979. — Mollusques du Crétacé Inférieur de Tunisie (gastropodes et lamellibranches). *République Tunisienne, Office national des Mines, Notes du Service géologique*, Suppl. 45: 107-153.
- MONTEROSATO T. A. DI M. 1878. — Enumerazione e sinonimia delle conchiglie mediterranee. *Giornale di Scienze Naturali ed Economiche* 13: 61-115. <https://www.biodiversitylibrary.org/page/35333762>
- MONTEROSATO T. A. DI M. 1880. — Conchiglie della zona degli abissi. *Bullettino della Società Malacologica Italiana* 6 (1-4): 50-82. <https://www.biodiversitylibrary.org/page/38907938>
- MONTROUZIER R. P. 1859. — Description d'espèces nouvelles (1). *Journal de Conchyliologie* 7 (3): 286-289. <https://www.biodiversitylibrary.org/page/15863259>
- MOORE R. C. & SYLVESTER-BRADLEY P. C. 1957. — Taxonomy and nomenclature of aptychi, in ARKELL W. J., FURNISH W. M., KUMMEL B., MILLER A. K., MOORE R. C., SCHINDEWOLF O. H., SYLVESTER-BRADLEY P. C. & WRIGHT C. W. (eds), *Treatise on Invertebrate Paleontology*. Part L. *Mollusca 4. Cephalopoda. Ammonoidea*. Geological Society of America & University of Kansas: L465-L471.
- MÖRCH O. A. L. 1853. — *Catalogus conchyliorum quae reliquit D. Alphonso d'Aguirra & Gadea*[.] Comes de Yoldi, regis danicae cubiculariorum princeps, ordinis dannebrogi in prima classe & ordinis caroli tertii eques. Fasciculus secundus. Ludovici Kleinii, Havniae, [ii] + 74 + [2] p. <https://doi.org/10.5962/bhl.title.11326>
- MÖRCH O. A. L. 1863. — Contributions à la faune malacologique des Antilles danoises. *Journal de Conchyliologie* 11 (1): 21-43. <https://www.biodiversitylibrary.org/page/15338052>
- MÖRCH O. A. L. 1865. — Note sur le genre *Cryptobia* de Deshayes. *Journal de Conchyliologie* 13 (1): 11-14. <https://www.biodiversitylibrary.org/page/15133645>
- MÖRCH O. A. L., 1876. — Description d'espèces nouvelles. *Journal de Conchyliologie* 24 (4): 368-374. <https://www.biodiversitylibrary.org/page/16071683>
- MORELET A. 1851. — Appendice a la conchyliologie de l'Algérie; description d'espèces nouvelles. *Journal de Conchyliologie* 2 (4): 351-361. <https://www.biodiversitylibrary.org/page/15855226>
- MORELET A. 1866. — Description d'espèces appartenant à la faune malacologique de l'Indo-Chine. *Journal de Conchyliologie* 14 (1): 62-64. <https://www.biodiversitylibrary.org/page/15667300>
- MORLET L. 1878. — Monographie du genre *Ringicula*, Deshayes, et descriptions de quelques espèces nouvelles. *Journal de Conchyliologie* 26 (2): 113-133, pl. 5; (3): 251-295, pl. 6-8 [repaginated as a separate: 65 p., pls 6-8]. <https://www.biodiversitylibrary.org/page/16015921>
- MORLET L. 1880. — Supplément à monographie du genre *Ringicula*. *Journal de Conchyliologie* 28 (2): 150-181, pl. 5-6. <https://www.biodiversitylibrary.org/page/15919255>

- MORLET L. 1882. — Deuxième supplément à la monographie du genre *Ringicula*. *Journal de Conchyliologie* 30 (3): 200-215. <https://www.biodiversitylibrary.org/page/16223027>
- MORRIS J. 1854. — Descriptions of some new species of shells from the "Woolwich and Reading Series". *The Quarterly Journal of the Geological Society of London* 10 (1-2): 157-160, pl. 2. <https://www.biodiversitylibrary.org/page/35013076>
- MORRIS J. 1865. — *Descriptions of the plates of fossils, in* FORBES E. (ed.), *On the Tertiary Fluvio-Marine Formation of the Isle of Wight*. Memoirs of the Geological Survey of Great Britain and the Museum of Practical Geology, Longman, Brown, Green, Longmans & Roberts, London: 145-156, pls 1-6.
- MORRIS J. & LYCETT J. 1851. — A monograph of Mollusca from the great Oolite chiefly from Minchinhampton and the coast of Yorkshire. Part 1. Univalves, *The Palaeontographical Society*, viii + 130 p., 15 pls. <https://www.biodiversitylibrary.org/page/20754609>
- MORTON B. 1970. — The evolution of the heteromyarian condition in the Dreissenacea (Bivalvia). *Palaeontology* 13 (4): 563-572. <https://www.biodiversitylibrary.org/page/50090333>
- MORTON B. & SCOTT P. H. 1989. — The Hong Kong Galeommatacea (Mollusca: Bivalvia) and their hosts, with descriptions of new species. *Asian Marine Biology* 6: 129-160.
- MULOCHAU T., HUET R., FLORENCE T., RAUBY T., HOLON F., BALLESTA L. & DURVILLE P. 2020. — Inventaire des mollusques du Mont sous-marin La Pérouse – Île de La Réunion, sud-ouest océan Indien – Expédition La Pérouse 2019. *Folia Conchyliologica* 56: 1-13.
- MÜLLER J. 1847. — *Monographie der Petrefacten der Aachener Kreideformation*. Vol. 1. Henry & Cohen, Bonn, 48 p., 2 pls. <https://www.biodiversitylibrary.org/page/60132448>
- MÜNSTER G., GRAF VON, 1840. — *Beiträge zur Petrefacten-Kunde von Herm. V. Meyer und Georg Graf zu Münster*, vol. 3. Commission der Buchner'schen Buchhandlung, Bayreuth, 132 p., 20 pls. <https://archive.org/details/beitrgzurpetre02mngooq>
- MURCHISON R. I., VERNEUIL É. DE & VON KEYSERLING A. 1845. — *The Geology of Russia in Europe and the Ural Mountains*. Vol. 2. *Géologie de la Russie d'Europe et des montagnes de l'Oural, Troisième Partie, Paléontologie*. John Murray, London & Bertrand, Paris, xxxii + 512 p., 50 pls. <https://www.biodiversitylibrary.org/page/51952740>
- NAGEL-MYERS J. & AMLER M. R. W. 2007. — Revision of Late Devonian Lunulacardiidae (Bivalvia) from the German Hercynian facies. *Geologica et Palaeontologica* 41: 47-49, incl. 3 pls.
- NAGGS F. 1994. — The reproductive anatomy of *Paropeas achatinaeum* and a new concept of *Paropeas* (Pulmonata: Achatinoidea: Subulinidae). *Journal of Molluscan Studies* 60 (2): 175-191. <https://doi.org/10.1093/mollus/60.2.175>
- NESEMANN H. F. & SHARMA S. 2005. — Illustrated checklist of pea clams (Mollusca: Bivalvia: Sphaeriidae) from Nepal. *Himalayan Journal of Sciences* 3 (5): 57-65, incl. 4 pls. <https://doi.org/10.3126/hjs.v3i5.463>
- NEALL V. E. 1972. — Systematics of the endemic New Zealand brachiopod *Neothyris*. *Journal of the Royal Society of New Zealand* 2 (2): 229-247. <https://doi.org/10.1080/03036758.1972.10429376>
- NEUBAUER T. A. 2016. — A nomenclator of extant and fossil taxa of the Melanopsidae (Gastropoda, Cerithioidea). *ZooKeys* 602: 1-358. <https://doi.org/10.3897/zookeys.602.8136>
- NEUBAUER T. A. & HARZHAUSER M. 2023. — Homonymy and near-homonymy in two European Cenozoic land-snail species (Gastropoda: Helicoidea), with the description of a new genus. *Archiv für Molluskenkunde* 152 (2): 153-158. <https://doi.org/10.1127/arch.moll/152/153-158>
- NEUBERT E. 1998. — New data on the fauna of Clausiliidae of Greece, in particular on *Albinaria* from Attica and the Peloponnese (Gastropoda Pulmonata: Clausiliidae). *Basteria* 62 (3-4): 125-155. <https://natuurtijdschriften.nl/pub/597132>
- NEUBERT E., BREURE A. S. H., ABLETT J. D. & BANK R. A. 2020. — The malacological contributions of Carl Georg Ludwig Pfeiffer (1805-1877): a bibliography, with a collation of the publication dates of the Malakozoologische Blätter. *Archiv für Molluskenkunde* 149 (1): 75-102. <https://doi.org/10.1127/arch.moll/149/075-102>
- NEVESSKAJA L. A., PARAMONOVA N. P. & BABAK E. V. 1997. — Opredelitel' pliotenovnykh dvustvorchatykh mollyuskov yugozapadnoy Yevrazii [A guide to the Pleistocene bivalve molluscs of south-west Eurasia]. *Trudy Paleontologicheskogo Instituta* 269: 1-267.
- NEVESSKAJA L. A., PARAMONOVA N. P. & POPOV S. V. 2001. — History of Lymnocardiinae (Bivalvia, Cardiidae). *Paleontological Journal* 35 (Suppl. 3): S147-S217.
- NEVESSKAJA L. A., POPOV S. V., GONCHAROVA I. A., GUZHOV A. V., YANIN B. T., POLUBOTKO I. V., BIAKOV A. S. & GAVRILOVA V. A. 2013. — Phanerozoic Bivalvia of Russia and surrounding countries. *Transactions of the Paleontological Institute* 294, 1-524.
- NEVILL G. 1870. — On the land shells of Bourbon, with descriptions of a few new species. *Journal of the Asiatic Society of Bengal* 39 [II] (4): 403-416. <https://www.biodiversitylibrary.org/page/41302006>
- NEWTON R. B. 1891. — *Systematic List of the Frederick E. Edwards Collection of British Oligocene and Eocene Mollusca in the British Museum (Natural History)*. British Museum (Natural History), London, 365 p. <https://doi.org/10.5962/bhl.title.24285>
- NEWTON R. B. 1900. — On marine Triassic lamellibranchs discovered in the Malay Peninsula. *Proceedings of the Malacological Society of London* 4 (3): 130-135, pl. 12. <https://www.biodiversitylibrary.org/page/15798064>
- NEWTON R. B. 1912. — On the lower Tertiary Mollusca of the Fayum Province of Egypt. *Proceedings of the Malacological Society of London* 10 (2): 56-89, pls 3-4. <https://www.biodiversitylibrary.org/page/15237015>
- NICKLÈS M. 1950. — *Mollusques testacés marins de la côte occidentale d'Afrique. Manuels Ouest-Africains*. Vol. 2. Lechevalier, Paris, 269 p.
- NIELSEN C. 1986. — Fauna associated with the coral *Porites* from Phuket, Thailand. (Part 1): bivalves with description of a new species of *Gastrochaena*. *Phuket Marine Biological Center, Research Bulletin* 42: 1-24.
- NOLF F. & KREPS J.-P. 2008. — Comparison of some interesting molluscs, trawled by the Belgian fishery in the Bay of Biscay, with similar representatives from adjacent waters: part I. *Neptunea* 7 (3): 1-33, pls 1-21.
- NOLF F. & KREPS J.-P. 2009. — Comparison of some interesting molluscs, trawled by the Belgian fishery in the Bay of Biscay, with similar representatives from adjacent waters: part II. *Neptunea* 8 (3): 1-28, pl. 22-43.
- NOLF F. & KREPS J.-P. 2011. — Comparison of some interesting molluscs, trawled by the Belgian fishery in the Bay of Biscay, with similar representatives from adjacent waters: part VI. *Neptunea* 10 (4): 1-34, pl. 118-144.
- NOLF F. & KREPS J.-P. 2012. — Comparison of some interesting molluscs, trawled by the Belgian fishery in the Bay of Biscay, with similar representatives from adjacent waters: part VII. *Neptunea* 11 (1): 1-32, pl. 145-170.
- NORDSIECK F. 1973. — The genus *Jujubinus* Monterosato 1884 in Europe. *Conchiglia* 5 (4): 6-7, 10-12.
- NORDSIECK F. 1982. — *Die europäischen Meeres-Gehäuseschnecken (Prosobranchia) vom Eismeer bis Kapverden, Mittelmeer und Schwarzes Meer*. Gustav Fischer Verlag, Stuttgart, xiii + 539 p.
- NORDSIECK H. 1977. — Zur Anatomie und Systematik der Clausilien, XVII. Taxonomische Revision des Genus *Albinaria* Vest. *Archiv für Molluskenkunde* 107 (4-6): 285-307.
- NORDSIECK H. 1989. — *Falkneria* n. gen., eine neue Gattung der Helicodontinae (Gastropoda, Stylommatophora: Hygromiidae). *Heldia* 1 (5-6): 165-168, pl. 25.
- NORDSIECK H. 2000. — Annotated check-list of the fossil (pre-Pleistocene) Clausiliidae (Gastropoda: Stylommatophora) from central and western Europe. *Mitteilungen der Deutschen Malakozoologischen Gesellschaft* 65: 1-15.
- NORDSIECK H. 2007. — *Worldwide door snails (Clausiliidae), Recent and fossil*. ConchBooks, Hackenheim, 214 p.



NORDSIECK H. 2014a. — Annotated check-list of the genera of fossil land snails (Gastropoda: Stylommatophora) of western and central Europe (Cretaceous - Pliocene), with description of new taxa. *Archiv für Molluskenkunde* 143 (2): 153-185. <https://doi.org/10.1127/arch.moll/143/2014/153-185>

NORDSIECK H. 2014b. — The genus *Albinaria* Vest in Turkey, especially the species from coastal S. W. Anatolia with adjacent Greek islands, with the description of new taxa (Gastropoda: Pulmonata: Clausiliidae). *Archiv für Molluskenkunde* 143 (1): 57-67. <https://doi.org/10.1127/arch.moll/1869-0963/143/057-067>

NORDSIECK H. 2017. — *Pulmonata, Stylommatophora, Helicoidea: Systematics with Comments*. ConchBooks, Harxheim, 98 p.

NOULET J.-B. 1858. — De l'âge géologique de la formation lacustre de Narbonne et de Sigean (Aude). *Mémoires de l'Académie des Sciences Inscriptions et Belles-Lettres de Toulouse* 5 (2): 412-422.

NUTTALL C. P. 1990. — Review of the Caenozoic heterodont bivalve superfamily Dreissenacea. *Palaeontology* 33 (3): 707-737. <https://www.biodiversitylibrary.org/page/49763714>

NUTTALL C. P. & COOPER J. 1973. — A review of some English Paleogene Nassariidae, formerly referred to *Cominella*. *Bulletin of the British Museum (Natural History), Geology* 23 (3): 179-219. <https://www.biodiversitylibrary.org/page/36948520>

NYST P. H. 1835. — *Recherches sur les coquilles fossiles de la province d'Anvers*. Perichon, Bruxelles, [ii] + 36 p., 5 pls.

NYST P. H. 1845a. — Description des coquilles et des polypiers fossiles des terrains tertiaires de la Belgique. Mémoire en réponse à la question suivante: faire la description des coquilles et des polypiers fossiles des terrains tertiaires de la Belgique et donner l'indication précise des localités et des systèmes de roches dans lesquels ils se trouvent. *Mémoires couronnés et Mémoires des Savants étrangers, Publiés par l'Académie royale des Sciences et Belles-Lettres de Bruxelles* 17: 1-697, pls 1-15 (Title page dated 1843 or 1844, but not published until 1845). <https://www.biodiversitylibrary.org/page/2668665>

NYST P. H. 1845b. — Notice sur quelques Bulimes nouveaux ou peu connus. *Bulletins de l'Académie royale des Sciences et Belles-Lettres* 12 (2): 146-153, pls 1-3 [includes short notes on other subjects]. <https://www.biodiversitylibrary.org/page/38669384>

NYST P. H. 1847. — Notice sur deux coquilles nouvelles du genre crassatelle, suivie d'un tableau des espèces vivantes et fossiles décrites par les auteurs, avec l'indication des dépôts dans lesquels ces dernières ont été recueillies. *Bulletins de l'Académie royale des Sciences, des Lettres et des Beaux-Arts de Belgique* 14 (2): 116-130, 1 pl. <https://www.biodiversitylibrary.org/page/15752624>

NYST P. H. 1848. — Tableau synoptique et synonymique des espèces vivantes et fossiles de la famille des arcaécées, avec l'indication des dépôts dans lesquels elles ont été recueillies. I. Genre *Arca*. *Mémoires de l'Académie royale des Sciences, des Lettres et des Beaux-Arts de Belgique* 22: 1-79. <https://www.biodiversitylibrary.org/page/2885636>

OKUTANI T. (ed.) 2017. — *Marine Mollusks in Japan*. 2<sup>nd</sup> ed. Kanagawa, Tokai University Press, 1378 p., 565 pls [different parts by various authors].

OLIVER P. G. 1992. — *Bivalved Seashells of the Red Sea*. National Museum of Wales, Cardiff, 330 p., 46 pls.

OLIVER P. G., JAYACHANDRAN P. R. & NANDAN S. B. 2018. — *Cuspidaria cochinchinensis* Preston, 1916 transferred to the Corbulidae (Mollusca, Bivalvia) and assigned to the genus *Cuneocorbula*. *Marine Biodiversity* 48: 1223-1227. <https://doi.org/10.1007/s12526-016-0578-y>

OPPENHEIM P. 1901. — Die Priabonaschichten und ihre Fauna im Zusammenhange mit gleichalterigen und analogen Ablagerungen. *Palaeontographica* 47: 1-348, pls 1-21. <https://www.biodiversitylibrary.org/page/33194156>

OPPENHEIM P. 1930. — *Die Anthozoen der Gosauschichten in der Ostalpen*. The author, Berlin-Lichterfelde, xviii + 576 p.

ORBIGNY A. D' 1826. — Tableau méthodique de la classe des céphalopodes. *Annales des Sciences naturelles* 7 (25): 96-128, fold-out table; (26): 129-169; (27): 245-314, pls 10-17 [included Foraminifera]. <http://biodiversitylibrary.org/page/5753959>

ORBIGNY A. D' 1835, 1841, 1843 [1835-1847]. — *Voyage dans l'Amérique méridionale [...] exécuté pendant les années 1826, 1827, 1828, 1829, 1830, 1831, 1832 et 1833*, Vol. 3 (4), *Paléontologie*. A. Bertrand, Paris & V. Levrault, Strasbourg, Dates from Mones (1988), with additional input from Neal L. Evenhuis.

Livraison	Wrapper		Plates	Date
	Date	Pages		
32	1837	–	Géologie 10, 11	23 April 1838
38	1837	–	Géologie 8, 9	29 April 1839
39	1836	–	Géologie 1, 4	24 June 1839
41	1839	–	Géologie 2, 5	28 Oct. 1839
				11 November 1839
42	1839	–	Géologie 3, 6, 7	1839
				3 December 1841
55	1841	–	Géologie 12, 13	1841
63	1842	7-16		12 May 1843
64	1842	17-64	Paléontologie 20, 21	12 May 1843
65	1842	65-96	Paléontologie 18, 19	12 May 1843
66	1842	97-152	Paléontologie 14, 15	12 May 1843
67	1842	153-188	Paléontologie 16, 17	8 July 1844
70	1843	–	Paléontologie 22	8 July 1844

Note:

Some plates labeled Géologie, others Paléontologie. Some species date from their first appearance on captioned plates. Some libraries have the paleontological plates bound in the same volume as the text (e.g., as part of vol. 3 (4), American Museum of Natural History), while other libraries have the paleontological plates bound in volume 8 (Smithsonian Institution, set in Biodiversity Heritage Library). Some of the d'Orbigny fossil species made available in the plate captions in this series (published 1838-1844) were later re-described in the *Voyage au Pôle Sud* in 1846-1847.

ORBIGNY A. D' 1841 [1840-1842]. — *Paléontologie française*, sér. 1, Vol. 1: *Terrains Crétacés*. [Cephalopoda]. L'Auteur, Paris, 662 p.; Atlas: 148 pls + 13<sup>bis</sup>, 115<sup>bis</sup> [p. 1-120 (1840); p. 121-462 (1841); p. 463-662 (1842)]. <https://www.biodiversitylibrary.org/page/22587199>

ORBIGNY A. D' 1844, 1845 [1843-1848]. — *Paléontologie française*, sér. 1, Vol. 3: *Terrains Crétacés. Lamellibranchia*. L'Auteur, Paris, 807 p.; Atlas: pls 237-489 + 266<sup>bis</sup>, 283<sup>bis</sup> [p. 1-32 (1843); 33-288 (1844); p. 289-480 (1845); p. 481-512 (1846); p. 513-688 (1847); p. 689-807 (1848)]. <https://www.biodiversitylibrary.org/page/22591562>

ORBIGNY A. D' 1850a. — *Prodrome de paléontologie stratigraphique universelle des animaux mollusques & rayonnées faisant suite au cours élémentaire de paléontologie et de géologie stratigraphiques*. Vol. 1. Masson, Paris, lx + 391 p. <https://www.biodiversitylibrary.org/page/31705373>

ORBIGNY A. D' 1850b. — *Prodrome de paléontologie stratigraphique universelle des animaux mollusques & rayonnées faisant suite au cours élémentaire de paléontologie et de géologie stratigraphiques*. Vol. 2. Masson, Paris, 428 p. <https://www.biodiversitylibrary.org/page/41091877>

ORBIGNY A. D' 1852. — *Prodrome de Paléontologie stratigraphique universelle des Animaux mollusques et rayonnés faisant suite au cours élémentaire de Paléontologie et de géologie stratigraphiques*. Table alphabétique et synonymique des genres et des espèces contenus dans le *Prodrome de Paléontologie stratigraphique universelle*. Vol. 3. Masson, Paris, 196 + 191 p. <https://www.biodiversitylibrary.org/page/31730040>

ORTEA J., VALDÉS Á. & GARCÍA-GÓMEZ J. C. 1996. — Revisión de las especies atlánticas de la familia Chromodorididae (Mollusca: Nudibranchia) de grupo cromático azul [Review of the Atlantic species of the family Chromodorididae (Mollusca: Nudibranchia) of the blue chromatic group]. *Avicennia*, Supplement 1: 1-165.

- ÖZTÜRK B. 2021. — *Mangelia* (Gastropoda, Conoidea) species of the Turkish coasts with description of *Mangelia vanaartseni* sp. nov. *Zootaxa* 4933 (2): 241-262. <https://doi.org/10.11646/zootaxa.4933.2.4>
- PACAUD J.-M. 1994a. — Nouvelles données sur le sous-genre *Wateletia* Cossmann (Mollusca: Gastropoda: Strombidae). Redécouverte de *Tibia* (*Wateletia*) *callosa* (Deshayes) dans le Thanétien du bassin de Paris. *Cossmanniana* 3 (2): 45-54.
- PACAUD J.-M. 1994b. — *Polymesoda* (*Geloina*) *lunulata* (Deshayes) (Mollusca: Bivalvia: Corbiculidae). *Cossmanniana* 3 (2): 55-56.
- PACAUD J.-M. 1997. — Un nouveau genre d'Hydrobiidae (Gastropoda, Prosobranchia) du Paléogène du Bassin de Paris. *Cossmanniana* 4 (1-2): 1-14.
- PACAUD J.-M. 1998. — Nouvelles données sur le genre *Popenoeum* (Mollusca, Pseudolividae). Remarques taxonomiques sur une espèce ubiquiste du Paléocène inférieur, *Popenoeum ambiguum* (Binkhorst, 1861). *Cossmanniana* 5 (1-2): 1-28, figs 1-22.
- PACAUD J.-M. 2001. — Nouvelles données sur les espèces *Pholas xylophagina* Deshayes, 1856 et *Pholas tripartita* Deshayes, 1856 (Bivalvia: Pholadidae), et description d'une nouvelle espèce du genre *Xylophaga*, du Thanétien (Paléocène) du bassin de Paris. *Cossmanniana* 8 (1-4): 41-46.
- PACAUD J.-M. 2004. — Révision des mollusques du Danien (Paléocène inférieur) du Bassin de Paris. 1. Gastropoda: Patellogastropoda et Vetigastropoda (*pro parte*). *Geodiversitas* 26 (4): 577-629, figs 1-23.
- PACAUD J.-M. 2007. — Nouveautés nomenclaturales et taxinomiques introduites par Alcide d'Orbigny dans le *Prodrome* (1850, 1852) pour les espèces du Paléocène et de l'Éocène. *Geodiversitas* 29 (1): 17-85.
- PACAUD J.-M. 2008. — *Mollusca. Le contenu paléontologique du Lutétien du bassin de Paris*, in MERLE D. (ed.), *Stratotype Lutétien*. Muséum national d'Histoire naturelle, Paris; Biotopie, Mèze; BRGM, Orléans: 40-95 (*Patrimoine géologique*; 1).
- PACAUD J.-M. 2009a. — Révision des mollusques du Danien (Paléocène inférieur) du bassin de Paris. 2. Gastropoda: Neritimorpha. *Revue de Paléobiologie* 28 (2): 349-369.
- PACAUD J.-M. 2009b. — *Maralsenia*, un nouveau genre de Pseudolividae (Gastropoda, Muricoidea) du Paléogène inférieur des régions nord-africaine et sud-américaine. *Bulletin de l'Institut scientifique de Rabat, section Sciences de la Terre* 31: 1-7, fig. 1-2, pls 1-2.
- PACAUD J.-M. 2010. — Description des rhyncholites des nautilus (Mollusca, Cephalopoda) du Paléogène des Bassins de Paris, d'Aquitaine et des Corbières (France). *Geodiversitas* 32 (1): 121-156. <https://doi.org/10.5252/g2010n1a4>
- PACAUD J.-M. 2011. — Le genre *Bouryia* Cossmann, 1888 (Gastropoda: Littorinimorpha: Pomatiopsidae?) des sables thanétiens (Paléocène) du bassin de Paris. *Cossmanniana* 13: 3-10.
- PACAUD J.-M. 2012. — Note de nomenclature sur *Neritopsis parisiensis* Deshayes, 1864 et *Neritopsis altavillensis* Deshayes, 1857 (Mollusca, Gastropoda) du Paléogène du Bassin de Paris et du Cotentin. *Cossmanniana* 14: 51-56.
- PACAUD J.-M. 2015a. — Les brachiopodes du Paléogène du bassin de Paris, du Cotentin et de la Loire-Atlantique (France). *Fossiles. Revue française de Paléontologie Hors-Série* 5: 71-81.
- PACAUD J.-M. 2015b. — *Emarginula apollonia* nom. nov., un nouveau nom de remplacement pour *Emarginula fenestrella* Deshayes, 1863 non *Emarginula fenestrella* Dubois de Montpéroux, 1831 (Mollusca: Gastropoda). *Xenophora Taxonomy* 9: 22-23.
- PACAUD J.-M. 2015c. — Addendum à l'article "Motif coloré préservé sur des coquilles du genre *Bullia* [...]". *Xenophora* 152: 12, fig. 1.
- PACAUD J.-M. 2015d. — *Columbarium antecedens* (Mollusca: Gastropoda) nomen novum pro *Fusus heberti* Briart & Cornet, 1877 du Danien (Paléocène inférieur), nom préoccupé. Réhabilitation du genre *Jania* Bellardi, 1873 (Mollusca: Gastropoda), un taxon objectivement valide. *Xenophora Taxonomy* 9: 24-31, pls 1-2.
- PACAUD J.-M. 2016a. — Erratum à l'article "Réhabilitation du taxon *Jania* Bellardi, 1873 (Mollusca: Gastropoda: Buccinidae), un genre objectivement valide". *Xenophora Taxonomy* 10: 6.
- PACAUD J.-M. 2016b. — Catalogue annoté de quelques taxons nominaux de Xenophoridae fossiles non disponibles ou invalides. *Fossiles. Revue française de Paléontologie* 28: 48-62.
- PACAUD J.-M. 2016c. — Notes taxonomiques et nomenclaturales sur quelques Ampullinidae du Cénozoïque. *Cossmanniana* 18: 94-111, pls 1-2.
- PACAUD J.-M. 2016d. — Considérations sur les espèces *Mitra branderi* DeFrance, 1824, *M. parisiensis* Deshayes, 1832 et *M. chaussyensis* Cossmann, 1907 (Gastropoda, Volutidae, Eovoluiinae) de l'Éocène du bassin de Paris et description du nouveau genre *Eovoluta*. *Xenophora Taxonomy* 12: 3-22.
- PACAUD J.-M. 2016e. — Catalogue annoté de quelques taxons nominaux cénozoïques de Xenophoridae fossiles non disponibles ou invalides. *Fossiles. Revue française de Paléontologie* 28: 48-62.
- PACAUD J.-M. 2017a. — *Pseudomalaxis varonei* nov. sp., une espèce nouvelle d'Architectonicidae (Mollusca, Gastropoda) du Cuisien (Yprésien, Éocène inférieur) du bassin d'Aquitaine. *Fossiles. Revue française de Paléontologie* 29: 60-63.
- PACAUD J.-M. 2017b. — *Trabaldia*, un nouveau genre de Columbellidae (Gastropoda: Neogastropoda) du Bartonien (Éocène moyen) du bassin de Paris. *Xenophora Taxonomy* 16: 3-8, incl. 2 pls.
- PACAUD J.-M. 2017c. — Remarques taxonomiques et nomenclaturales sur les mollusques gastropodes du Paléogène de France et descriptions d'espèces nouvelles. Partie 1: Vetigastropoda et Neritimorpha. *Cossmanniana* 19: 181-205, pls 1-2.
- PACAUD J.-M. 2018a. — *Bernaya amandula* nov. sp., une espèce nouvelle de Cypraeidae (Mollusca, Gastropoda) du Bartonien (Éocène moyen) du bassin de Paris. *Fossiles. Revue française de Paléontologie* 34: 52-57, pl. A.
- PACAUD J.-M. 2018b. — Le contenu paléontologique du Danien du bassin de Paris: Mollusca (Gastropoda), in MONTENAT C. & MERLE D. (eds), *Stratotype Danien*. Muséum national d'Histoire naturelle, Paris: 24-33 (*Patrimoine géologique*; 9).
- PACAUD J.-M. 2018c. — Le genre *Sphaerocypraea* Schilder, 1927 (Mollusca, Gastropoda, Ovulidae) à l'Éocène du bassin de Paris. Description de deux espèces nouvelles. *Fossiles. Revue française de Paléontologie* 36: 48-55, pls A-C.
- PACAUD J.-M. 2019. — Remarques taxonomiques et nomenclaturales sur les mollusques gastropodes du Paléogène de France et descriptions d'espèces nouvelles. Partie 2. Caenogastropoda [*partim*]. *Cossmanniana* 21: 101-153, pls 1-5.
- PACAUD J.-M. 2020a. — *Fusulculus hansenii* nom. nov., un nouveau nom de remplacement pour *Epalxis ? rosenkrantzi* Hansen, 2019 non *Fusulculus rosenkrantzi* (Traub, 1979) (Mollusca, Gastropoda, Benthobiidae). *Folia Conchyliologica* 54: 7-11, pl. 1.
- PACAUD J.-M. 2020b. — Erratum à la note "Considérations sur l'espèce *Ovula tuberculosa* Duclos, 1825". *Folia Conchyliologica* 57: 39-47, pl. 1.
- PACAUD J.-M. 2020c. — *Gibbolucina aremorica* nom. nov. (Mollusca, Bivalvia, Lucinidae), un nouveau nom de remplacement pour *Lucina profunda* Dufour, 1881 non Deshayes, 1850, non White, 1881. *Folia Conchyliologica* 58: 35-39.
- PACAUD J.-M. 2020d. — Redécouverte du matériel type de *Cypraea pedicularis* Deshayes, 1844 [= *Cypraea pediculus* Lamarck, 1803 non Linnaeus, 1758] (Mollusca, Gastropoda, Ovulidae), espèce type du genre *Eotrivia* Schilder, 1924. *Folia Conchyliologica* 59: 11-20.
- PACAUD J.-M. 2021. — Remarques taxonomiques et nomenclaturales sur les mollusques gastropodes du Paléogène de France et description d'espèces nouvelles. Partie 3. Conoidea. *Xenophora Taxonomy* 31: 41-48.
- PACAUD J.-M. 2022a. — Concepts et découvertes: espèce, dis-moi ton nom!, in CHARBONNIER S. & DE WEVER P. (eds), *Paléontologie d'aujourd'hui*. EDP Sciences, Paris: 160-161.
- PACAUD J.-M. 2022b. — Rectification de nomenclature de trois espèces de Bivalvia de l'Éocène du bassin de Paris. *Folia Conchyliologica* 65: 1-8.
- PACAUD J.-M. 2022c. — Description de quatre espèces nouvelles d'*Aplexa* Fleming, 1820 (Mollusca, Lymnaeoida, Physidae) du Paléogène du bassin de Paris. *Folia Conchyliologica* 66: 1-19, incl. pls 1-5.



- PACAUD J.-M. 2023. — Validation du genre *Globulocerithium* (Mollusca: Cerithioidea: Cerithiidae) du Paléogène d'Europe. *Folia Conchyliologica* 69: 1-9, incl. 1 pl.
- PACAUD J.-M. & CANEVET J.-M. 2019. — Considérations sur l'espèce *Ovula tuberculosa* Duclos, 1825 du Cuisien (Yprésien, Éocène inférieur) du bassin de Paris. *SAGA Information* 372: 61-66, pls 1-2.
- PACAUD J.-M. & CAZES L. 2014. — Motif coloré résiduel préservé sur des coquilles du genre *Bullia* Gray in Griffith & Pidgeon, 1833 (Mollusca: Gastropoda) de l'Éocène moyen du bassin de Paris et des Etats-Unis. *Xenophora* 147: 16-22, pls 1-2.
- PACAUD J.-M. & GORET B. 2012. — Première occurrence du genre *Hippochrenes* (Mollusca, Gastropoda, Rostellariidae) dans le Thanétien (Paléocène supérieur) de Haute-Garonne (France) et description d'une espèce nouvelle: *H. teodorii* nov. sp. *Bulletin de la Société d'Histoire naturelle de Toulouse* 148: 73-81.
- PACAUD J.-M. & GORET B. 2021. — Description d'une espèce nouvelle de *Jpansia* Pacaud & Harzhauser, 2012 (Mollusca, Gastropoda, Pachychilidae) de l'Ilerdien (Yprésien inférieur) du bassin de Tremp (Espagne). *Folia Conchyliologica* 60: 9-18, fig. 1-4, pls 1-2.
- PACAUD J.-M. & HARZHAUSER M. 2012. — *Jpansia*, *Moniquia* et *Eginea*, trois nouveaux genres de Pachychilidae (Gastropoda, Caenogastropoda) du Paléogène européen. *Annales du Muséum d'Histoire naturelle de Nice* 27: 105-153, pls 1-8.
- PACAUD J.-M. & LEBRUN P. 2016. — L'*Hippochrenes ampla* (Gastropode éocène) de Gustavus Brander et les débuts de la classification linnéenne des mollusques fossiles par Daniel Solander. *Fossiles. Revue française de Paléontologie* 27: 28-35.
- PACAUD J.-M. & LEBRUN P. 2020. — *Rhynchocerithium monasteriolium* nomen novum du Callovien (Jurassique moyen) de Montreuil-Bellay (Maine-et-Loire), pro *Cerithium fusiforme* Hébert & Eudes-Deslongchamps, 1860 [non Leymerie, 1846] (Mollusca: Gastropoda: Maturifusidae), in Faunes du Jurassique de Montreuil-Bellay en Maine-et-Loire. *Fossiles. Revue française de Paléontologie Hors-série* 10: 20-21.
- PACAUD J.-M. & LEDON D. 2007. — Sur les espèces de mollusques du Ludien (Priabonien, Éocène supérieur) du Bassin de Paris introduites par Périer en 1941. *Cossmanniana* 11 (1-4): 7-25, pls 1-4.
- PACAUD J.-M. & LEDON D. 2010. — Révision des Mollusques de Blaye (Gironde). 1. Description d'une espèce nouvelle de Turbinidae (Gastropoda, Vetigastropoda). *Bulletin de la Société linnéenne de Bordeaux* 145 (38) (3): 349-359.
- PACAUD J.-M. & LEDON D. 2014. — Révision des mollusques de l'Éocène de Blaye (Gironde). 4. Description d'une espèce nouvelle de *Pachycrommium* (Gastropoda, Caenogastropoda, Ampullinidae). Notes taxonomiques et nomenclaturales sur quelques Ampullinidae avec la description de trois espèces nouvelles. *Bulletin de la Société linnéenne de Bordeaux* 149 (42) (2): 183-198, pls 1-7.
- PACAUD J.-M. & LEDON D. 2016. — Révision des mollusques de l'Éocène de Blaye (Gironde). 6. Description d'une espèce nouvelle de Liotiidae (Gastropoda, Vetigastropoda). *Bulletin de la Société linnéenne de Bordeaux* 151 (44) (4): 425-436, pls 1-4.
- PACAUD J.-M. & LE RENARD J. 1995. — Révision des mollusques paléogènes du bassin de Paris. IV – Liste systématique actualisée. *Cossmanniana* 3 (4): 151-187.
- PACAUD J.-M. & LEROY A. 2006. — Nouvelles espèces de *Terebellopsis* Leymerie, 1846 (Mollusca, Gastropoda, Strombidae) de l'Éocène inférieur des bassins de Paris et d'Aquitaine. *Revue de Paléobiologie* 25 (2): 633-641, pls 1-2.
- PACAUD J.-M. & LESPORT J.-F. 2021. — Redécouverte du matériel type porte-nom original de l'espèce *Nautilus aturi* Basterot, 1825 (Cephalopoda, Aturioidea, Aturiidae). Implications nomenclaturales. *Fossiles. Revue française de Paléontologie* 45: 47-56, pls A-D.
- PACAUD J.-M., LHOMME J.-F. & RENAUD G., 2021. — Description d'un nouveau genre et d'une espèce nouvelle d'Hemisinidae (Mollusca, Gastropoda) du Cuisien (Yprésien inférieur) du bassin de Paris. *Folia Conchyliologica* 62: 9-14.
- PACAUD J.-M. & PONS J. 2015a. — Une espèce nouvelle de Vanikoroidae (Mollusca: Gastropoda) du Lutétien (Éocène moyen) du bassin de Paris. *Fossiles. Revue française de Paléontologie* 21: 34.
- PACAUD J.-M. & PONS J. 2015b. — Le genre *Rimella* (Mollusca, Gastropoda, Rostellariidae) à l'Éocène du bassin de Paris. Description d'une nouvelle espèce du Lutétien inférieur (Éocène moyen). *Cossmanniana* 17: 90-112.
- PACAUD J.-M. & ROBERT E. 2016. — *Bernaya sixi* nov. sp., une espèce nouvelle de Cypraeidae (Mollusca, Gastropoda) du Cuisien (Yprésien, Éocène inférieur) du bassin de Paris. *Fossiles. Revue française de Paléontologie* 25: 59.
- PACAUD J.-M. & SCHNETLER K. I. 1999. — Revision of the gastropod family Pseudolividae from the Paleocene of West Greenland and Denmark. *Bulletin of the Geological Society of Denmark* 46: 53-67, pls 1-4.
- PACAUD J.-M. & TRACEY S. 2000. — The occurrence of the genus *Fusulculus* Bouchet & Vermeij (Gastropoda, Pseudolividae) in the Eocene of England, with a description of two new species. *Tertiary Research* 20 (1-4): 53-58, incl. 1 pl.
- PACAUD J.-M., LEDON D. & CAZE B. 2011. — Une nouvelle espèce de *Digitolabrum* (Gastropoda, Littorinimorpha, Rostellariidae) dans l'Éocène moyen du Bassin d'Aquitaine. *Cossmanniana* 13: 33-47, pls 1-4.
- PACAUD J.-M., MERLE D. & PONS J. 2013. — Nouvelles espèces d'Ancillariinae (Mollusca: Gastropoda: Olividae) du Paléogène des bassins de Paris et d'Aquitaine. *Cossmanniana* 15: 27-73.
- PACAUD J.-M., LEDON D., LOUBRY P. & FERNANDEZ S. 2014. — Importance de la correspondance ontogénétique et topologique de la sculpture spirale dans la discrimination des espèces du genre *Campanile* (Mollusca, Gastropoda). *Fossiles. Revue française de paléontologie* 19: 23-49, fig. 1-17, pls 1-12.
- PACAUD J.-M., LEDON D., LOUBRY P. 2015. — Les Plesiotritoninae (Mollusca: Gastropoda: Cancellariidae) de l'Éocène du bassin de Paris, du Cotentin, de Loire-Atlantique et d'Aquitaine. *Palaeontos* 27: 65-119, pls 1-12.
- PACAUD J.-M., GORET B. & LEDON D. 2017. — *Timbellus capitaneus* nov. sp., une espèce nouvelle de Muricidae (Mollusca, Gastropoda) du Lutétien (Éocène moyen) du bassin de Paris. *Fossiles. Revue française de Paléontologie* 32: 58-61, pl. A.
- PACAUD J.-M., BUISSON S., COPPINI S. & MEUNIER F. 2023. — Description d'une espèce nouvelle de *Pachycrommium* (Gastropoda, Caenogastropoda, Ampullinidae) endémique du Bartonien (Éocène moyen) de Pédelail, Horsarrieu (Landes). *Bulletin de la Société d'Histoire naturelle de Toulouse* 159: 47-54.
- PÁLL-GERGELY B. & HUNYADI A. 2013. — The family Plectopylidae Möllendorff 1898 in China (Gastropoda, Pulmonata). *Archiv für Molluskenkunde* 142 (1): 1-66. <https://doi.org/10.1127/arch.moll/1869-0963/142/001-066>
- PÁLL-GERGELY B., HUNYADI A., CHEN Z.-Y. & LYU Z.-T. 2019. — A review of the genus *Coccolypta* Pilsbry, 1895 (Gastropoda: Pulmonata: Camaenidae). *Zoosystema* 41 (29): 595-608. <https://doi.org/10.5252/zoosystema2019v41a29>. <http://zoosystema.com/41/29>
- PÁLL-GERGELY B. & T. A. NEUBAUER T. A. 2020. — The value of a single character: the Paleogene European land snail *Ferussina Grateloup*, 1827 is likely a cyclophorid (Gastropoda, Caenogastropoda). *ZooKeys* 918: 29-40. <https://doi.org/10.3897/zookeys.918.50135>
- PALMER C. P. 1974a. — Rectification of nomenclature in the molluscan class Scaphopoda. *The Veliger* 17 (2): 124-125. <https://www.biodiversitylibrary.org/page/42520233>
- PALMER C. P. 1974b. — A new genus of Jurassic bivalve mollusc ancestral to *Globocardium*. *Palaeontology* 17 (1): 165-178, pls 18-20. <https://www.biodiversitylibrary.org/page/49742632>
- PALMER K. V. W. 1962. — Xenophoridae Deshayes, 1864 (Gastropoda); proposed preservation under the Plenary Powers. Z.N.(S.) 1483. *Bulletin of Zoological Nomenclature* 19 (2): 115-116. <https://www.biodiversitylibrary.org/page/12220982>

- PAQUIEN N. 2019. — *Mammilla simiae* (Deshayes, 1838). Description et identification d'un lectotype dans la collection de l'École Supérieure de Mines de Paris, Université Claude Bernard de Lyon. *Xenophora Taxonomy* 25: 23-25.
- PAREDES C. & CARDOSO F. 2007. — La familia Calyptraeidae en el Perú (Gastropoda: Caenogastropoda). *Revista Peruana de Biología, número especial* 13 (3): 177-184. <https://doi.org/10.15381/rpb.v13i3.2335>
- PASTORINO G. 2005. — Recent Naticidae (Mollusca: Gastropoda) from the Patagonian coast. *The Veliger* 47 (4): 225-258. <https://www.biodiversitylibrary.org/page/42497160>
- PASTORINO G. & SIMONE L. R. L. 2021. — Revision of the genus *Buccinanops* (Mollusca: Neogastropoda: Nassariidae), an endemic group of gastropods from the southwestern Atlantic, including a new genus and accounts on the Buccinanopsinae classification. *Journal of Zoological Systematics and Evolutionary Research* 59 (6): 1209-1254. <https://doi.org/10.1111/jzs.12479>
- PAYRAUDEAU B. C. 1826. — Catalogue descriptif et méthodique des annélides et des mollusques de l'île de Corse; avec huit planches représentant quatre-vingt-huit espèces, dont soixante-huit nouvelles. Imprimerie de J. Tastu, Paris, vii + 218 p., pls 1-8. <https://doi.org/10.5962/bhl.title.12944>
- PEASE H. 1871. — Remarques sur quelques-unes des espèces énumérées par M. G. P. Deshayes, dans son catalogue des mollusques de l'île de la Réunion. *Journal de Conchyliologie* 19 (2): 100-103. <https://www.biodiversitylibrary.org/page/15136121>
- PEREIRA DA COSTA F. A. 1866-1867. — *Gasteropodes dos depositos Terciarios do Portugal*. Comissão Geologica de Portugal, Lisboa. [1 Caderno, i-x, 1-116 + 5 unnumbered pages of index, figure captions and errata, pls 1-15 (1866); 2° Caderno, 117-252 + 5 unnumbered pages of index, plate captions and errata, pl. 16-28 (1867).]
- PÉREZ D. E. 2019. — Phylogenetic relationships of the family Carditidae (Bivalvia: Archiheterodonta). *Journal of Systematic Palaeontology* 17 (16): 1359-1395. <https://doi.org/10.1080/14772019.2018.1532463>
- PERRIER E. 1877. — Leçon d'ouverture: MM. de Lacaze-Duthiers et Deshayes. *La Revue scientifique de la France et de l'Étranger. Revue des cours scientifiques*, sér. 2, 6 (37): 861-867. <https://hdl.handle.net/2027/hvd.32044102991718>
- PETIT R. E. 2007. — Lovell Augustus Reeve (1814-1865): malacological author and publisher. *Zootaxa* 1648 (1): 1-120. [Deshayes: p. 80-82]. <https://doi.org/10.11646/zootaxa.1648.1.1>
- PETIT R. E. 2009. — George Brettingham Sowerby, I, II & III: their conchological publications and molluscan taxa. *Zootaxa* 2189 (1): 1-218. <https://doi.org/10.11646/zootaxa.2189.1.1>
- PETIT R. E. & COAN E. V. 2008. — The molluscan taxa made available in the Griffith & Pidgeon (1833-1834) edition of Cuvier, with notes on the editions of Cuvier and on Wood's *Index Testaceologicus*. *Malacologia* 50 (1/2): 219-264. <https://doi.org/10.4002/0076-2997-50.1.219>
- PETIT R. E. & HARASEWYCH M. G. 2005. — Catalogue of the superfamily Cancellarioidea Forbes and Hanley, 1851 (Gastropoda: Prosobranchia), 2<sup>nd</sup> ed. *Zootaxa* 1102 (1): 1-161. <https://doi.org/10.11646/zootaxa.1102.1.1>
- PETUCH E. J. & BERSCHAUER D. P. 2020. — A review of the genus *Morum* (Gastropoda: Harpidae) in the western Atlantic, with the description of two new species from Brasil. *The Festivus* 52 (1): 60-69. <https://doi.org/10.54173/F521060>
- PEYROT A. 1925. — Conchologie néogénique de l'Aquitaine (Gastropodes). *Actes de la Société linnéenne de Bordeaux* 77 (2): 51-194 [30 November]. <https://www.biodiversitylibrary.org/page/47952687>
- PEYROT A. 1927. — Conchologie néogénique de l'Aquitaine (Gastropodes). *Actes de la Société linnéenne de Bordeaux* 78: 199-256, pls 1-4 [30 April]. <https://www.biodiversitylibrary.org/page/47122038>
- PEYROT A. 1928. — Conchologie néogénique de l'Aquitaine (Gastropodes). *Actes de la Société linnéenne de Bordeaux* 79: 5-264, pl. 5-14. <https://www.biodiversitylibrary.org/page/48879157>
- PEYROT A. 1931a. — Conchologie néogénique de l'Aquitaine (Gastropodes). *Actes de la Société linnéenne de Bordeaux* 82 (2): 73-126 [31 March]. <https://www.biodiversitylibrary.org/page/47754997>
- PEYROT A. 1931b. — Conchologie néogénique de l'Aquitaine (Gastropodes). *Actes de la Société linnéenne de Bordeaux* 83: 5-116, pls 1-10 [15 September]. <https://www.biodiversitylibrary.org/page/47873981>
- PEYROT A. 1931c. — Conchologie néogénique de l'Aquitaine (Gastropodes). *Extraits des Actes de la Société linnéenne de Bordeaux* 6 (1): 1-294, pls 1-10 [December].
- PEYROT A. 1932. — Conchologie néogénique de l'Aquitaine (Gastropodes). *Extraits des Actes de la Société linnéenne de Bordeaux* 6 (2): 295-541, pl. 11-18 [December].
- PEYROT A. 1938. — Les mollusques testacés univalves des dépôts helvétiques du Bassin ligérien: catalogue critique, descriptif et illustré. *Actes de la Société linnéenne de Bordeaux*, Supplément to vol. 89: 5-361, pls 1-5. <https://www.biodiversitylibrary.org/page/55709231>
- PEZANT A. 1908. — Mollusques fossiles de Monneville (Oise). *La Feuille des Jeunes Naturalistes* (4) 38 (451): 132-138, pl. 6-7 [1 May]; (4) 38 (452): 158-161 [1 June]; (4) 38 (453): 173-178 [1 July]; (4) 38 (454): 198-202 [1 August]; (4) 38 (455): 224-229 [1 September]. [Separately issued p. 1-27]. <https://www.biodiversitylibrary.org/page/5973983>
- PEZANT A. 1910. — Coquilles fossiles des calcaires grossiers de Parnes, 1890-1910. *La Feuille des Jeunes Naturalistes* (4) 40 (478): 153-158, 1 map; (4) 40 (480): 185-197, pl. 13-14; (5) 41 (481): 9-16, pl. 2-3; (5) 41 (482): 23-33, pl. 4. <https://www.biodiversitylibrary.org/page/34523199>
- PEZANT A. 1911. — Coquilles fossiles des calcaires grossiers de Parnes, 1890-1910 (suite). *La Feuille des Jeunes Naturalistes* (5) 41 (483): 37-46, pl. 5-6 [1 January]; (5) 41 (484): 53-55 [1 February]; (5) 41 (485): 75-88 [1 March]; (5) 41 (486-487): 106-117 [April-May]. <https://www.biodiversitylibrary.org/page/34500077>
- PFEIFFER C. 1828. — *Naturgeschichte deutscher Land- und Süßwasser-Mollusken*. Abt. 3. Weimar: vi + 84, pls 1-8. <https://www.biodiversitylibrary.org/page/52681917>
- PFEIFFER J. M., GRAF D. L., CUMMINGS K. S. & PAGE L. M. 2021. — Taxonomic revision of a radiation of South-east Asian freshwater mussels (Unionidae: Gonideinae: Contradentini + Rectidentini). *Invertebrate Systematics* 35 (4): 394-470. <https://doi.org/10.1071/IS20044>
- PFEIFFER K. G. L. 1931. — Die Murellen Westsiziliens. *Archiv für Molluskenkunde* 63 (3): 93-116, pls 7-9.
- PFEIFFER L. 1841. — *Symbolae ad historiam Heliceorum*. Section prima [Vol. 1]. Kassel (Th. Fischer), 88 p. <https://www.biodiversitylibrary.org/page/12254132>
- PFEIFFER L. 1845. — Diagnosen einiger neuer Heliceen. *Zeitschrift für Malakozoologie* 2 (10): 152-158. <https://www.biodiversitylibrary.org/page/16291740>
- PFEIFFER L. 1847, 1848 [1847-1877]. — *Monographia heliceorum viventium. Sistens descriptiones systematicas et criticas omnium huius familiae generum et specierum hodie cognitarum*. Lipsiae (Brockhaus). Incomplete collation from various sources, courtesy of Kadolsky (2012) and Neubert et al. (2020). <https://doi.org/10.5962/bhl.title.10791>

Volume (Part)	Pages	Date	Notes
1 (1)	1-160	1847 [pre-27 September]	–
(2)	161-321	1847 [post-27 September]	–
(3)	i-xxxii + 321-484	1848 [pre-23 June]	–
2	1-160 161-594	September 1848 December 1848	– –
3 (Suppl. 1)	i-viii + 1-711	1853 [post-May]	–



Volume (Part)	Pages	Date	Notes
4 (Suppl. 2)	i-ix + 1-920	1859	–
5 (Suppl. 3, Vol. 1)	i-xii + 1-565	1868	–
6 (Suppl. 3, Vol. 2)	1-598	December 1868	–
7 (Suppl. 4, Vol. 1)	i-x + 1-674	1876	Possibly issued in parts 1875-1877
8	1-160	1875	–
	161-320	1876	–
	321-480	1876	–
	481-729	1877	–

PFEIFFER L. 1851-1852. — Einige Bemerkung über Deshayes's Bearbeitung des Ferussachen Werkes. *Zeitschrift für Malakozoologie* 7 (10): 145-160 (1851); (11): 174-176 (1851); 8 (7) 97-112 (1851); (8): 113-118 (1851); 9 (7): 97-112 (1852); (8): 113-118 (1852). <https://www.biodiversitylibrary.org/page/16300445>

PFERIFER L. 1869 [1868-1872]. — Die Familie der Venusmuscheln, Veneracea. Nebst einem Anhang, enthaltend die Chemnitz'schen Lucinen, Galateen und *Corbis*. *Systematisches Conchylien-Cabinet* 11 (1): 1-302, pls 4, 16-42 [p. 57-176, pls 25-34, 1869].

PHILIPPI R. A. 1836. — *Enumeratio molluscorum Siciliae cum viventium tum in tellure Tertiaria fossilium quae in itinere suo observavit*, vol. 1. Schroppi, Berolini [Berlin], xiv + 268 p., 12 pls. <https://www.biodiversitylibrary.org/page/46935803>

PHILIPPI R. A. 1841. — *Ueber die Tertiärversteinerungen der Wilhelmshöhe bei Kassel*. Cassel, 32 p.

PHILIPPI R. A. 1844a. — *Beiträge zur Kenntniss der Tertiärversteinerungen des nordwestlichen Deutschlands*. Theodor Fischer, Kassel, iii-[iv] + 85 [87] p., 4 pls. <https://doi.org/10.5962/bhl.title.44897>

PHILIPPI R. A. 1844b. — *Enumeratio molluscorum Siciliae cum viventium tum in tellure Tertiaria fossilium quae in itinere suo observavit*, vol. 2. Anton, Halis Saxonum [Halle an der Saale, Germany], iv + 303 p., pl. 13-28. <https://www.biodiversitylibrary.org/page/46936062>

PHILIPPI R. A. 1845a. — Diagnosen einiger neuen Conchylien. *Archiv für Naturgeschichte* 11 (1): 50-71. <https://www.biodiversitylibrary.org/page/6482980>

PHILIPPI R. A. 1845b [1844-1848]. — [Monograph on] *Cytherea*. *Abbildungen und Beschreibungen neuer oder wenig gekannter conchylien, unter mithilfe mehrerer deutscher conchyliologen* 1 (6): 149-150, pl. 1 (July 1844); 1 (7): 169-173, pl. 2 (October 1844); 1 (8): 197-200, pl. 3 (January 1845); 2 (4): 95-97, pl. 4 [mislabelled as pl. 3 in text and on pl.] (August 1846); 2 (6): 179-182, pl. 5 [mislabelled as pl. 4 on pl.] (February 1847); 2 (8): 299-231, pl. 6 [pl. mislabelled as 5], pl. 7 [pl. mislabelled as 6] (April 1847); 3 (1): 23-25, pl. 8 (September 1847); 3 (3): 71-74, pl. 9 (February 1848) [also numbered p. 1-42]. <https://doi.org/10.5962/bhl.title.10589>

PHILIPPI R. A. 1846 [1846-1847]. — Verzeichniss der in der Gegend von Magdeburg aufgefundenen Tertiärversteinerungen. *Palaeontographica* 1 (1): 42-44 (August 1846); (2): 45-90, 337-338 [plate explanations], pl. 7-10, 10a (March 1847). Preliminary version published in the Programm der höheren Gewerbschule in Cassel, 1846-1847, 17 p. (published between 9 July 1846 and 10 August 1846). <https://www.biodiversitylibrary.org/page/11952857>

PHILLIPS J. 1841. — *Figures and Descriptions of the Palaeozoic Fossils of Cornwall, Devon, and West Somerset: Observed in the Course of the Ordnance Geological Survey of that district*. Longman, Brown, Green & Longmans, London, xii + 231 p., 60 pls. <https://doi.org/10.5962/t.173086>

PICTET F.-J. & CAMPICHE G. 1861-1864. — *Description des fossiles du terrain crétacé des environs de Sainte-Croix, Deuxième partie*. H. Georg, Genève, 752 p., 98 pls. [p. 1-48, pl. 44-48 (February 1861); p. 49-144, pl. 49-57 (May 1861); p. 145-188, pl. 58-62 (January, 1862); p. 189-236, pl. 63-67 (April 1862); p. 237-348, pl. 68-76 (September 1862); p. 349-412, pl. 77-80 (January 1863); p. 413-460, pl. 81-85 (February 1863); p. 461-524, pl. 86-89 (September 1863); p. 525-752, pl. 90-98 (April 1864)]. <https://www.biodiversitylibrary.org/page/36420499>

PICTET F.-J. & ROUX W. 1852. — Description des mollusques fossiles qui se trouvent dans les grès verts des environs de Genève. *Mémoires de la Société de physique et d'histoire naturelle de Genève* 13 (1): 73-173, pl. 28-40. <https://www.biodiversitylibrary.org/page/10406838>

PILSBRY H. A. — See also below under Tryon G. W.

PILSBRY H. A. 1939-1948. — Land Mollusca of North America (north of Mexico). *The Academy of Natural Sciences of Philadelphia, Monograph* 3: 4 vols.

Volume	Pages	Date
1 (1)	i-xvii + 1-573 + i-ix	6 December 1939
1 (2)	i-vi-[viii] + 575-994 + i-ix	1 August 1940
2 (1)	i-vi-[viii] + 1-520	6 December 1946
2 (2)	i-xlvii + 521-1113	19 March 1948

PIMENTEL R. J., CALLAPEZ P. M. & LEGOINHA P. 2019. — First occurrence of *Cardilia michelottii* Deshayes, 1844 [sic] (Bivalvia, Cardiliidae) in the Iberian Pliocene. *Boletín de la Real Sociedad Española de Historia Natural (Sec. Biológica)* 113: 87-94. [https://doi.org/10.29077/bol/113/ce10\\_pimentel](https://doi.org/10.29077/bol/113/ce10_pimentel)

PONDER W. R. 1975. — Notes on the synonymy of four Australian tellinids (Mollusca: Bivalvia). *Journal of the Malacological Society of Australia* 3 (2): 111-119, incl. pls 9-10.

PONDER W. R. 1983. — A revision of the Recent Xenophoridae of the world and of the Australian fossil species (Mollusca, Gastropoda), with an appendix by W. F. Ponder and J. Cooper. *Australian Museum Memoir* 17: 1-126. <https://doi.org/10.3853/j.0067-1967.17.1983.393>

PONDER W. F. 1985. — A review of the genera of the Rissoidae (Mollusca: Mesogastropoda: Rissoacea). *Records of the Australian Museum, Suppl.* 4: 1-221. <https://doi.org/10.3853/j.0812-7387.4.1985.100>

POORTEN J. J. TER 2009. — The Cardiidae of the Panglao Marine Biodiversity Project 2004 and the Panglao 2005 Deep-Sea Cruise with descriptions of four new species (Bivalvia). *Vita Malacologica* 8: 9-96. <http://dare.uva.nl/record/340850>

POPHAM J. D. 1975. — Further observations of the Gland of Deshayes in the teredo *Bankia australis* (Bivalvia, Mollusca). *The Veliger* 18 (1): 55-56, figs 1-5 on 2 pls. <https://www.biodiversitylibrary.org/page/43039773>

POPPE G. T. 2008a. — *Philippine Marine Mollusks*. Volume I (Gastropoda – Part I). ConchBooks, Hackenheim, 759 p., pls 1-312.

POPPE G. T. 2008b. — *Philippine Marine Mollusks*. Volume II (Gastropoda – Part II). ConchBooks, Hackenheim, 848 p., pls 313-707

POPPE G. T. 2010. — *Philippine Marine Mollusks*. Volume III (Gastropoda – Part III & Bivalvia Part I). ConchBooks, Hackenheim, 665 p., pls 708-1014.

POPPE G. T. 2011. — *Philippine Marine Mollusks*. Volume IV (Bivalvia Part II; Scaphopoda; Cephalopoda; Addenda). ConchBooks, Hackenheim, 676 p., pls 1015-1315.

POPPE G. T. 2017. — *Philippine Marine Mollusks*. Volume V. ConchBooks, Hackenheim, 628 p., pls 1316-1600.

POPPE G. T. 2018 [“2017”]. — *Philippine Marine Mollusks; the Listing* (version 2.00) [updates and errata to vols. 1-5]. ConchBooks, Hackenheim, 260 p. [retrieved from <https://www.conchology.be/?t=705>].

- POPPE G. T., BRULET T. & DANCE S. P. 1999. — *Conchological Iconography*. Vol. 1: *Family Harpidae*. Conchbooks, Hackenheim, 69 p., 51 pls.
- PORTLOCK J. E. 1843. — *Report on the Geology of the County of Londonderry, and of Parts of Tyrone and Fermanagh*. Andrew Milliken, Hodges & Smith, Dublin & Longman, Brown, Green & Longmans, London, xxxii + 784 p., map, pls A-I, 1-38, 1B, 14A, 22A, 25A, 28A-B, 29A.
- POTIEZ V. L. V. & MICHAUD A. L. G. 1838-1844. — *Galerie des mollusques, ou catalogue méthodique, descriptif et raisonné des mollusques et coquilles du Muséum de Douai*. J.-B. Baillière, Paris & Londres, 1: xxxvi + 564 p. (1838); 2: xlv + 307, 191<sup>bis</sup>-192<sup>bis</sup> + [2] + 1-79 p. [pl. expl.], 70 pls. (1844). <https://doi.org/10.5962/bhl.title.10353>
- POWELL A. W. B. 1973. — The patellid limpets of the world (Patellidae). *Indo-Pacific Mollusca* 3 (15): 75-206, pl. 60-182. <https://www.biodiversitylibrary.org/page/46312984>
- POWELL A. W. B. 1979. — *New Zealand Mollusca: Marine Land and Freshwater Shells*. Collins, Auckland, xiv + 500 p., 82 pls.
- PRASHAD B. 1928. — Revision of the Asiatic species of the genus *Corbicula*. I. The Indian species of *Corbicula*. *Memoirs of the Indian Museum* 9: 13-27, pl. 3-4.
- PREECE R. C., WHITE T. S., RAHEEM D. C., KETCHUM H., ABLETT J., TAYLOR H., WEBB K. & NAGGS F. 2022. — William Benson and the golden age of malacology in British India: biography, illustrated catalogue and evaluation of his molluscan types. *Tropical Natural History*, Supplement 6: 1-434. <https://li01.rci-thaijo.org/index.php/tnh/article/view/257073>
- PREZANT R. S. 1981. — Taxonomic re-evaluation of the bivalve family Lyonsiidae. *The Nautilus* 95 (2): 58-72. <https://www.biodiversitylibrary.org/page/8497113>
- PRKIĆ J. & GIANNUZZI-SAVELLI R. 2022. — A new species of *Bela* Leach in J. E. Gray, 1847 (Conoidea Mangeliidae) from Croatia. *Biodiversity Journal* 13 (4): 841-852. <https://doi.org/10.31396/biodiv.jour.2022.13.4.841.948.852>
- PRIME T. [concerning: Johnson R. I. (1959)].
- PRIME T. 1860. — Synonymy of the cyclades, a family of acephalous Mollusca. Part I. *Proceedings of the Academy of Natural Sciences of Philadelphia* 12: 267-301. <https://www.biodiversitylibrary.org/page/26297414>
- PRIME T. 1865. — Monograph of American Corbiculadae (Recent and fossil). *Smithsonian Miscellaneous Collections* 7 (145): i-xi + 1-80. <https://www.biodiversitylibrary.org/page/8817513>
- PUILLANDRE N., DUDA T. F., MEYER C., OLIVERA B. M. & BOUCHET P. 2015. — One, four or 100 genera? A new classification of the cone shells. *Journal of Molluscan Studies* 81 (1): 1-23. <https://doi.org/10.1093/mollusc/eyu055>
- PUSCH A. G. G. 1836-1837. — *Polens Paläontologie oder Abbildung und Beschreibung der vorzüglichsten und der noch unbeschriebenen Petrefakten aus den Gebirgsformationen in Polen, Volhynien und den Karpathen nebst einigen allgemeinen Beiträgen zur Petrefaktenkunde und einem Versuch zur Vervollständigung der Geschichte des Europäischen Auer-Ochsen*. E. Schweizerbart's Verlagshandlung, Stuttgart, xiii + [1] + 218 p., 16 pls [p. 1-80, pls 1-10 (1836). p. i-xiii + 81-218, pls 11-16 (1837)].
- PUSLEDNIK L., PONDER W. F., DOWTON M. & DAVIS A. R. 2009. — Examining the phylogeny of the Australian Lymnaeidae (Heterobranchia: Pulmonata: Gastropoda) using mitochondrial, nuclear and morphological markers. *Molecular Phylogenetics and Evolution* 52: 643-659. <https://doi.org/10.1016/j.ympev.2009.03.033>
- QI Z. (ed.) 2004. — *Seashells of China*. China Ocean Press, Beijing, 418 p., 193 pls.
- QUOY J. R. C. & GAIMARD J. P. 1832-1835. — *Voyage de la corvette l'Astrolabe: exécuté par ordre du roi, pendant les années 1826-1827-1828-1829, sous le commandement de M. J. Dumont d'Urville*. Zoologie. Paris, Tastu, 1 + 264 p., 93 pls. 1: i-l, 1-264; 2 (1): 1-321 [1832]; 2 (2): 321-686 [1833]; 3 (1): 1-366 [1834]; 3 (2): 367-954 [1835]; Atlas (Mollusques): pl 1-93 [1833?]. <https://doi.org/10.5962/bhl.title.2132>
- RADWIN G. E. & ATTILIO A. D' 1976. — *Murex shells of the world: an illustrated guide to the Muricidae*. Stanford University Press, Stanford, California, 284 p., 16 pls.
- RAFFI, S., STANLEY S. M. & MARASTI R. 1985. — Biogeographic patterns and Plio-Pleistocene extinction of Bivalvia in the Mediterranean and southern North Sea. *Paleobiology* 11 (4): 368-388. <https://doi.org/10.1017/S0094837300011684>
- RAHEEM D. C., BREGELMANS K., WADE C. M., NAGGS F. C. & BACKELJAU T. 2017. — Exploring the shell-based taxonomy of the Sri Lankan land snail *Corilla* H. and A. Adams, 1855 (Pulmonata: Corillidae) using mitochondrial DNA. *Molecular Phylogenetics and Evolution* 107: 609-618. <https://doi.org/10.1016/j.ympev.2016.12.020>
- RAHEEM D. C., TAYLOR H., ABLETT J., PREECE R. C., ARAVIND N. A. & NAGGS F. 2014. — *A Systematic Revision of the Land Snails of the Western Ghats of India*. *Tropical Natural History*, Supplement 4: xiv + 294 p., 95 pls.
- RAINES B. K. & POPPE G. T. 2006. — The family Pectinidae, in *A Conchological Iconography* (Poppe & Groh, eds). Hackenheim, ConchBooks, 402 p.
- RAMAKRISHNA & DEY A. 2010. — Annotated checklist of Indian marine molluscs (Cephalopoda, Bivalvia and Scaphopoda Part-1. *Zoological Survey of India, Occasional Paper* 320: 357 p.
- RAMÍREZ R., PAREDES C. & ARENAS J. 2003. — Moluscos del Perú. *Revista de Biología Tropical* 51 (Suppl. 3): 225-284. <https://doi.org/10.15517/RBTV51I3.26386>
- RANG P. C. A. L. 1832. — *Melania tuberculosa*. *Magazin de Zoologie* 2: Classe V, pl. 13 (with unpaginated text). <https://www.biodiversitylibrary.org/page/37083656>
- RAVEN J. G. M. 2016. — Notes on molluscs from NW Borneo. 3. A revision of *Taurasia* (Gastropoda, Buccinidae) with comments on *Semiricimula* from NW Borneo. *Vita Malacologica* 15: 77-104.
- RAVEN J. G. M. 2021. — The Donacidae (Bivalvia, Tellinoidea) from the South China Sea and East Asia, with the rediscovery of some forgotten taxa and the description of two new species. *Vita Malacologica* 20: 61-102.
- RAVEN J. G. M. & VERMEULEN J. J. 2007. — Notes on molluscs from NW Borneo and Singapore. 2. A synopsis of the Ellobiidae (Gastropoda, Pulmonata). *Vita Malacologica* 4: 29-62, incl. 6 pls.
- RAYNEVAL A. G. DE & PONZI G. 1854. — Catalogue des fossiles du Monte Mario. 20 + 5-[6] p. <https://doi.org/10.5962/bhl.title.112311>
- RÉCLUZ C. A. 1850. — Notice sur le genre *Nerita* et sur le S.-G. *Neritina*, avec le catalogue synonymique des neritines. *Journal de Conchyliologie* 1 (2): 131-164. <https://www.biodiversitylibrary.org/page/25135949>
- REDFERN C. 2013. — *Bahamian Seashells. 1161 species from Abaco, Bahamas*. Bahamianseashells.com, Inc., Boca Raton, Florida, viii + 501 p.
- REEVE L. A. 1844a [1843-1844]. — *Monograph of the Genus Arca, in Conchologia Iconica; or, Illustrations of the Shells of Molluscos Animals* 2. Reeve & Co., London, 17 pls (pls 1-2, December 1843; pls 3-4, January 1844; pls 5-8, February; pls 9-12, March; pls 13-14, April; 17, June). <https://www.biodiversitylibrary.org/page/8937002>
- REEVE L. A. 1844b. — *Monograph of the Genus Triton, in Conchologia Iconica; or, Illustrations of the Shells of Molluscos Animals* 2. Reeve & Co., London, 20 pls. (pls 1-4, March; pls 5-8, April; pls 9-12, May; pls 13-19, June; pls 20, August). <https://www.biodiversitylibrary.org/page/8937097>
- REEVE L. A. 1854a. — *Monograph of the Genus Mactra, in Conchologia Iconica; or, Illustrations of the Shells of Molluscos Animals* 8. Reeve & Co., London, 21 pls (pl. 2-5, March; 1, pls 6-14, April; pls 15-21, May). <https://www.biodiversitylibrary.org/page/11120371>
- REEVE L. A. 1854b. — *Monograph of the Genus Mesodesma, in Conchologia Iconica; or, Illustrations of the Shells of Molluscos Animals* 8. Reeve & Co., London, pls 1-4 (July). <https://www.biodiversitylibrary.org/page/11120513>



- REEVE L. A. 1854c-1855. — *Monograph of the Genus Lutraria, in Conchologia Iconica; or, Illustrations of the Shells of Molluscos Animals 8*. Reeve & Co., London, 5 pls. (pls 1-4, August 1854; pl. 5, May 1855). <https://www.biodiversitylibrary.org/page/11120457>
- REEVE L. A. 1854d. — *Monograph of the Genus Donax, in Conchologia Iconica; or, Illustrations of the Shells of Molluscos Animals 8*. Reeve & Co., London, 9 pls. (pls 1-6, September 1854; pl. 7, 8, October; pl. 9, June 1855). <https://www.biodiversitylibrary.org/page/11120533>
- REEVE L. A. 1856 [1856-1857]. — *Monograph of the Genus Psammobia, in Conchologia Iconica; or, Illustrations of the Shells of Molluscos Animals 10*. Reeve & Co., London, 8 pls. (pl. 2-5, December 1856; pl. 6-7, January 1857; pl. 8, June 1857). <https://www.biodiversitylibrary.org/page/9127408>
- REEVE L. A. 1857a. — *Monograph of the Genus Soletellina, in Conchologia Iconica; or, Illustrations of the Shells of Molluscos Animals 10*. Reeve & Co., London, 4 pls. (January). <https://www.biodiversitylibrary.org/page/9127366>
- REEVE L. A. 1857b. — *Monograph of the Genus Psammotella, in Conchologia Iconica; or, Illustrations of the Shells of Molluscos Animals 10*. Reeve & Co., London, 1 pl. (March). <https://www.biodiversitylibrary.org/page/9127444>
- REEVE L. A. 1860a. — Commentary on M. Deshayes's revision of the genus *Terebra*. *Proceedings of the Zoological Society of London for 1860* (28): 448-450. <https://www.biodiversitylibrary.org/page/12867030>
- REEVE L. A. 1860b. — *Monograph on the Genus Aspergillum, in Conchologia Iconica; or, Illustrations of the Shells of Molluscos Animals 12*. Reeve & Co., London, 4 pls. (June). <https://www.biodiversitylibrary.org/page/11125667>
- REEVE L. A. 1864. — *Monograph of the Genus Tapes, in Conchologia Iconica; or, Illustrations of the Shells of Molluscos Animals 14*. Reeve & Co., London, 13 pls. (pl. 2-6, January; pl. 7-11, February; pl. 12-13, March). <https://www.biodiversitylibrary.org/page/10972321>
- REGTEREN ALTENA C. O. VAN. 1937. — Bijdrage tot de kennis der fossiele, subfossiele en recente mollusken, die op de Nederlandsche stranden aanspoelen, en hunner verspreiding (with an English summary). *Nieuwe Verhandelingen van het Bataafsch Genootschap der Proefondervindelijke Wijsbegeerte* (2) 10 (3): 1-184, maps 1-5, pls 1-12.
- REHDER H. A. 1980. — The marine mollusks of Easter Island (Isla de Pascua) and Sala y Gómez. *Smithsonian Contributions to Zoology* 289: iv + 167 p., 14 pls. <https://doi.org/10.5479/si.00810282.289>
- REID D. G. 1996. — *Systematics and Evolution of Littorina*. Ray Society, London, x + 463 p., 1 unnumbered leaf of pls. <https://doi.org/10.1017/S002531540004114X>
- REID D. G. & WILLIAMS S. T. 2004. — The subfamily Littorininae (Gastropoda: Littorinidae) in the temperate southern hemisphere: the genera *Nodilittorina*, *Austrolittorina* and *Afrolittorina*. *Records of the Australian Museum* 56: 75-122. <https://doi.org/10.3853/j.0067-1975.56.2004.1393>
- RENIER S. A. 1807. — *Tavole per servire alla classificazione e conoscenza degli animali*. Padova (Tipografia del Seminario), [1] + pl. 1-8. Work placed on the Official Index of Rejected and Invalid Works in Zoological Nomenclature by ICZN Opinion 427 (1956).
- REUSS A. E. 1845-1846. — *Die Versteinerungen der böhmischen Kreideformation, mit Abbildungen der neuen oder weniger bekannten Arten*. E. Schweizerbart'sche Verlagsbuchhandlung und Druckerei, Stuttgart, Erste Abtheilung, p. i-iv + 1-58, pls 1-13 [1845], Zweite Abtheilung, I. Hälfte, p. 1-64, pl. 14-26; II. Hälfte, p. i-iv + 65-148, pl. 27-51 [1846]. <https://doi.org/10.5962/bhl.title.44915>
- RIEGRAF W., JANSSEN N. & SCHMITT-RIEGRAF C. 1998. — Cephalopoda dibranchiata fossiles (Coleioidea), II. *Fossilium Catalogus, I, Animalia* 135: 1-519.
- RINEAU V. & VILLIER L. 2018. — Taxonomic revision of the genus *Ichthyarcolites* Desmarest, 1812, and description of a new canaliculate rudist from the Cenomanian of Slovenia: *Oryxia sulcata* gen. et sp. nov. (Bivalvia, Hippuritida). *Cretaceous Research* 90: 60-79. <https://doi.org/10.1016/j.cretres.2018.04.001>
- ROBBA E., PEDRIALI L. & QUAGGIOTTO E. 2016. — Eocene, Oligocene and Miocene naticid gastropods of Northern Italy. *Rivista Italiana di Paleontologia e Stratigrafia* 122 (2): 109-234. <https://doi.org/10.13130/2039-4942/7313>
- ROBINSON D. G., HOVESTADT A., FIELDS A. & BREURE A. S. H. 2009. — The land Mollusca of Dominica (Lesser Antilles), with notes on some enigmatic or rare species. *Zoologische Mededelingen* 83: 615-650. <https://archive.org/details/zoologische-mededelingen-83-615-650>
- ROBINSON J. H., DONALD K. M., BRANDT A. J. & LEE D. E. 2016. — *Magasella sanguinea* (Leach, 1814) and *Magasella haurakiensis* (Allan, 1931): resolving the taxonomic placement of these endemic New Zealand brachiopods using morphological and molecular traits. *Journal of the Royal Society of New Zealand* 46 (2): 139-163. <https://doi.org/10.1080/03036758.2016.1182930>
- ROCHEBRUNE A. T. DE 1882. — Monographie des espèces fossiles appartenant à la classe des Polyplaxiphores. *Annales des Sciences géologiques* 14 (1): 1-74, pls. 1-3. <https://gallica.bnf.fr/ark:/12148/bpt6k432590q/f6.item>
- ROEMER F. A. 1836. — *Die Versteinerungen des norddeutschen Oolithen-Gebirges*. Hahn'schen Hofbuchhandlung, Hanover, [5] + 218 p., 16 pls. <https://www.biodiversitylibrary.org/page/50760910>
- ROEMER F. A. 1839. — *Die Versteinerungen des norddeutschen Oolithen-Gebirges*. Ein Nachtrag. Hahn'schen Hofbuchhandlung, Hanover [v] + 59 p., pl. 17-20, 1 chart. <https://www.biodiversitylibrary.org/page/50761092>
- ROEMER F. A. 1841. — *Die Versteinerungen des norddeutschen Kreidegebirges*. Hahn'schen Hofbuchhandlung, Hanover, [iv] + 145 p., 16 pls. <https://www.biodiversitylibrary.org/bibliography/44865>
- ROEMER F. A. 1850-1852. — Beiträge zur geologischen Kenntniss des nordwestlichen Harzgebirges. *Palaeontographica* 3 (1): i-vii + 1-67, pls 1-10 (1850); 3 (2): [i] + 69-111, pl. 11-15. <https://www.biodiversitylibrary.org/page/33098075>
- ROGALLA N. S. & AMLER M. R. W. 2006. — Index of conocardiid and hippocardioid rostroconch taxa (Mollusca: Rostroconchia). *Geologica et Palaeontologica* 40: 27-61.
- ROMERO P. E., PFENNINGER M., KANO Y. & KLUSMANN-KOLB A. 2015. — Molecular phylogeny of the Ellobiidae (Gastropoda: Panpulmonata) supports independent terrestrial invasions. *Molecular Phylogenetics and Evolution* 97: 43-45. <https://doi.org/10.1016/j.ympev.2015.12.014>
- ROSE E. P. F. & OLVER J. B. S. 1985. — Slow evolution in the Holecypidae, a family of primitive irregular echinoids, in KEEGAN B. F. & O'CONNOR B. S. S. (eds), *Echinodermata: Proceedings of the Fifth International Echinoderm Conference (Galway, 1984)*. Rotterdam (A. A. Balkema): 81-89.
- ROSENBERG G. & LUDYANSKIY M. L. 1994. — A nomenclatural review of *Dreissena* (Bivalvia: Dreissenidae), with identification of the Quagga Mussel as *Dreissena bugensis*. *Canadian Journal of Fisheries and Aquatic Sciences* 51 (7): 1474-1484. <https://doi.org/10.1139/f94-147>
- ROSENBERG G., MORETZSOHN F. & GARCÍA E. F. 2009. — Gastropoda (Mollusca) of the Gulf of Mexico, in FELDER D. L. & CAMP D. K. (eds), *Gulf of Mexico – Origins, Waters, and Biota*. Vol. 1. *Biodiversity*. Texas A & M University Press, College Station, Texas: 579-699.
- ROSENBERG G. & MURATOV I. V. 2006. — Status report on the terrestrial Mollusca of Jamaica. *Proceedings of the Academy of Natural Sciences of Philadelphia* 155: 117-161. <https://www.jstor.org/stable/27667752>
- ROSENBERG G. & PETIT R. E. 2001. — On the unnecessary renaming of homonyms in Pyramidellidae. *Journal of Conchology* 37 (3): 245-251.
- ROSEWATER J. 1970. — The family Littorinidae in the Indo-Pacific. I. The subfamily Littorininae. *Indo-Pacific Mollusca* 2 (11): 417-506, pl. 325-386. <https://www.biodiversitylibrary.org/page/46312871>

- ROS-FRANCH S., MÁRQUEZ-ALIAGA A. & DAMBORENEA S. E. 2014. — Comprehensive database on Induan (Lower Triassic) to Sinemurian (Lower Jurassic) marine bivalve genera and their paleobiogeographic record. *Paleontological Contributions* 8: 1-219. <https://doi.org/10.17161/PC.1808.13433>
- ROSSMÄSSLER E. A. 1835 [1835-1920]. — *Iconographie der Land- und Süßwasser-Mollusken, mit vorzüglicher Berücksichtigung der Europäischen noch nicht abgebildeten Arten* [30 volumes], 1 (2): ii + 26 + [ii] p., pl. 6-10. <https://www.biodiversitylibrary.org/page/24986323>
- ROTH B. & SADEGHIAN P. S. 2006. — Checklist of the land snails and slugs of California. Santa Barbara Museum of Natural History. *Contributions in Science* 3: 82 p.
- ROWSON B. 2007. — Land molluscs of Zanzibar Island (Unguja), Tanzania, including a new species of *Gulella* (Pulmonata: Streptaxidae). *Journal of Conchology* 39 (4): 425-466.
- RUHOFF F. A. 1980. — Index to the species of Mollusca introduced from 1850 to 1870. *Smithsonian Contributions to Zoology* 294: i-iii + 1-640. <https://doi.org/10.5479/si.00810282.294>
- RUSMORE-VILLAUME M. L. 2008. — *Seashells of the Egyptian Red Sea: the Illustrated Handbook*. American University in Cairo Press, Cairo, xii + 307 p.
- SABELLI B., GIANNUZZI-SAVELLI R. & BEDULLI D. 1990. — *Catalogo annotato dei molluschi marini del Mediterraneo*. Vol. 1. Edizioni Libreria Naturalistica Bolognese, Bologna, xiv + 348 p.
- SACCO F. 1890. — I molluschi dei terreni terziarii del Piemonte e della Liguria. Parte 6: (Volutidae, Marginellidae, Columbellidae). *Memorie della Reale Accademia delle Scienze di Torino* (2) 40: 295-368, pls 1-2. <https://www.biodiversitylibrary.org/page/12546378>
- SACCO F. 1896. — *I molluschi dei terreni terziarii del Piemonte e della Liguria. Parte 20: (Caecidae, Vermetidae, Siliquariidae, Phoridae, Calyptraeidae, Capulidae, Hipponycidae, Neritidae, Neritopsidae)*. Clausen, Torino, 65 p., 5 pls. <https://www.biodiversitylibrary.org/item/46674>
- SACCO F. 1905. — *Chama placentina* DeFrance, 1817. *Palaeontologia Universalis*, Centuria 1, 1 (3): pl. 70. <https://www.biodiversitylibrary.org/page/14484684>
- SAIZ SALINAS J. I. 1986. — The overlooked species of sipunculans commensal of solitary corals (Sipuncula). *Bulletin du Muséum national d'Histoire naturelle, Section A, Zoologie Biologie et Écologie animales*, sér. 4, 8 (3): 551-565. <https://www.biodiversitylibrary.org/page/58469451>
- SALIS MARSCHLINS K. U. VON 1793. — *Reisen in verschiedene Provinzen des Königreichs Neapel*. Ziegler & Sohne, Zurich & Leipzig, 442 + [4] p., 10 pls. <https://doi.org/10.3931/e-rara-8562>
- SALISBURY A. E. 1934. — On the nomenclature of Tellinidae, with descriptions of new species and some remarks on distribution. *Proceedings of the Malacological Society of London* 21 (2): 74-91, pls 9-14. <https://doi.org/10.1093/oxfordjournals.mollus.a064227>
- SALISBURY A. E. 1945. — Work and workers on British Mollusca. *Journal of Conchology* 22 (6): 136-145; 22 (7): 149-165. <https://www.biodiversitylibrary.org/page/63043292>
- SALVADOR A. & PICKERING J. 2017. — Type catalogue of Terebridae (Mollusca, Gastropoda, Conoidea) in the Natural History Museum, London, U.K. *Zootaxa* 4250 (2): 101-142. <https://doi.org/10.11646/zootaxa.4250.2.1>
- SALVADOR R. B. & CUNHA C. M. 2016. — Taxonomic revision of the fossil genera *Bulimactaeon*, *Hemiauricula* (= *Liocarenus*) and *Nucleopsis*, with description of a new Recent genus and species (Gastropoda: Heterobranchia: Acteonidae). *Journal of Molluscan Studies* 82 (3): 472-483. <https://doi.org/10.1093/mollus/eyw010>
- SALVADOR R. B. & SIMONE L. R. L. 2020. — Case 3821. *Helix spirorbis* Deshayes, 1850 (currently *Scolodonta spirorbis*; Gastropoda, Stylommatophora): proposed conservation of the specific name. *Bulletin of Zoological Nomenclature* 77 (1): 127-130. <https://doi.org/10.21805/bzn.v77.a041>
- SALVADOR R. B., PRIETO J., MAYR C. & RASSER M. W. 2016. — New gastropod assemblages from the Early/Middle Miocene of Riedensheim and Adelschlag-Fasanerie, southern Germany. *Neues Jahrbuch für Geologie und Paläontologie, Abhandlungen* 279 (2): 127-154. <https://doi.org/10.1127/njgpa/2016/0546>
- SALVADOR R. B., LOCATELLI C. & LENAERTS J. 2022. — Fossil Pupilloidea land snails from the Borgloon Formation (early Oligocene, Belgium). *Journal of Conchology* 44 (4): 387-395.
- SALVADOR R. B., MIRANDA M. S., SILVA F. S., OLIVEIRA C. D. C., ARRUDA J. O., CAVALLARI D. C., GOMES S. R., LA PASTA A., PENNA M. S., OVANDO X. M. C., ROSA R. M., SALLES A. C. A., SANTOS S. B., SIMONE L. R. L. & MACHADO F. M. 2024. — Checklist of the terrestrial gastropods of Brazil. *Journal of Conchology* 45 (2): 142-185. <https://doi.org/10.61733/jconch/4516>
- SALVAT B. & RIVES C. 1975. — *Coquillages de polynésie*. Éditions du Pacifique, Papeete; Hachette, Paris, 391 [393] p.
- SAND G. 1863. — [Review of Deshayes, 1863]. *Revue des Deux Mondes* 45 (2): 749-752 [reprinted as a preface in Deshayes, 1863]. <https://hdl.handle.net/2027/uc1.b3916653>
- SANDBERGER C. L. F. 1853. — *Untersuchungen über das Mainzer Tertiärbecken und dessen Stellung im geologischen Systeme*. Verlag von Kreidel & Niedner, Wiesbaden, 91 p. <https://doi.org/10.5962/bhl.title.14988>
- SANDBERGER C. L. F. 1858-1863. — *Die Conchylien des Mainzer Tertiärbeckens*. C. W. Kreidel, Wiesbaden, v + 458 + [8 - Index] + [4 - subscribers list] p., fold-out table; Atlas, 35 pls. <https://doi.org/10.5962/bhl.title.13953>

Part	Pages	Plates	Date
1-2	1-72	1-10	1858
3	73-112	11-15	1859
4	113-152	16-20	1860
5-6	153-232	21-30	1861
7	233-272	31-35	1862
8	273-458, v, [8] p. Register		1863

- SAUL L. R. & SQUIRES R. L. 2015. — Pacific slope of North America record of the Cretaceous aporrhaid gastropod *Tessarolax*: evolutionary trends, mode of life, and paleobiogeography of the genus. *Los Angeles County Museum of Natural History, Contributions in Science* 523: 37-65. <https://doi.org/10.5962/p.241293>
- SAWYER F. C. 1971. — A short history of the libraries and list of manuscripts and original drawings in the British Museum (Natural History). *Bulletin of the British Museum (Natural History), Historical Series* 4 (2): 77-204. <https://www.biodiversitylibrary.org/page/4125911>
- SCARABINO V. 1995. — Scaphopoda of the tropical Pacific and Indian Oceans, with descriptions of 3 new genera and 42 new species, in BOUCHET P. (ed.), *Résultats des campagnes MUSORSTOM*. Vol. 14. Muséum national d'Histoire naturelle, Paris: 189-379 (*Mémoires du Muséum national d'Histoire naturelle*; 167). <https://www.biodiversitylibrary.org/page/58833279>
- SCHILDER F. A. 1922. — Contributions to the knowledge of the genera *Cypraea* and *Trivia*. *Proceedings of the Malacological Society of London* 15 (2-3): 98-122. <https://www.biodiversitylibrary.org/page/30347087>
- SCHILDER F. A. 1927. — Revision der Cypraeacea (Moll., Gastr.). *Archiv für Naturgeschichte* 91 (A/10): 1-165.
- SCHILEYKO A. A. 1998-2015. — Treatise on Recent terrestrial pulmonate molluscs. *Ruthenica* Suppl. 2. Part 1: 1-127 (1998); part 2: 129-261 (1998); part 3: 263-436 (1999); part 4: 437-564 (1999); part 5: 565-729 (2000); part 6: 731-880 (2000); part 7: 881-1034 (2001); part 8: 1035-1166 (2002); part 9: 1167-1307 (2002); part 10: 1309-1466 (2003); part 11: 1467-1626 (2003); part 12: 1627-1763 (2004); part 13: 1765-1906 (2006); part 14: 1907-2047 (2006); part 15: 2049-2209 (2007).



- SCHILEYKO A. A. 2013. — Family Helicidae excluding Helicinae (Gastropoda Pulmonata): morphology, taxonomy, and a catalogue of taxa. *Ruthenica* 23 (2): 127-162.
- SCHLEIDEN M. J. 1867. — *Das Meer*. Sacco, Berlin, xii + 709- [710] p., 23 pls., 1 map [plagiarized version of Fré dol, 1865].
- SCHLICKUM W. R. & TRUC G. 1972. — Neue jungoligozäne Arten der Gattungen *Acanthinula* Beck und *Spermodea* Westerlund. *Archiv für Molluskenkunde* 102 (4/6): 189-193.
- SCHLOTHEIM E. F. 1813. — Beiträge zur Naturgeschichte der Versteinerungen in geognostischer Hinsicht. *Taschenbuch für die gesammte Mineralogie, mit Hinsicht auf die neuesten Entdeckungen herausgegeben von Dr. Carl Caesar Leonhard* 7 (1): 1-134. <https://archive.org/stream/taschenbuchfrdi24leongooog#page/n19/>
- SCHLOTHEIM E. F. 1820. — *Die Petrefactenkunde auf ihrem jetzigen Standpunkte: durch die Beschreibung seiner Sammlung versteinerter und fossiler Überreste des Thier- und Pflanzenreichs der Vorwelt erläutert*. Becker'schen Buchhandlung, Gotha, lxii + 437 p., 15 pls. <https://archive.org/details/petrefactenkund00schl>
- SCHNEIDER J. A. 2002. — Phylogeny of cardiid bivalves (cockles and giant clams): revision of the Cardiinae and the importance of fossils in explaining disjunct biogeographical distributions. *Zoological Journal of the Linnean Society* 136 (3): 321-369, figs 1-29. <https://doi.org/10.1046/j.1096-3642.2002.00030.x>
- SCHULTZ P. W. W. & HUBER M. 2013. — Revision of the worldwide Recent Pinnidae. *Acta Conchyliorum* 13: 1-164.
- SCHÜTT H. 1988. — Mollusken aus den tertiären Brackwasserschichten von Githion in Lakonia (Griechenland). *Geologica et Palaeontologica* 22: 145-155.
- SCHWARTZ VON MOHRENSTERN G. 1860. — *Über die Familie der Rissoiden und insbesondere die Gattung Rissoina*. Kaiserlich-Königlichen Hof- und Staatsdruckerei, Wien, 120 p., 11 pls. <https://doi.org/10.5962/bhl.title.46514>
- SEDGWICK A. & MURCHISON R. I. 1832. — A sketch of the structure of the eastern Alps; with sections through the newer formations on the northern flanks of the chain and through the Tertiary deposits of Styria [...] with supplementary observations, sections, and a map. *Transactions of the Geological Society of London* (2) 3: 301-420, pls. 35-40 [new species named by J. de C. Sowerby]. <https://doi.org/10.1144/transgsbl.3.2.301>
- SEMPER O. 1862. — Du genre *Woodia*, Deshayes. *Journal de Conchyliologie* 10 (2): 141-146. <https://www.biodiversitylibrary.org/page/15134856>
- SEVERNS M. 2011. — *Shells of the Hawaiian Islands*. The sea shells. Conchbooks, Hackenheim, Germany, 562 p.
- SHARABATI D. 1984. — *Red Sea Shells*. KPI Limited, London, 128 p.
- SHERBORN C. D. 1922. — On the dates of Cuvier, 'Le Règne Animal,' etc. (Disciples edition). *The Annals and Magazine of Natural History* 9 (10): 555-556. <https://www.biodiversitylibrary.org/page/24253461>
- SHERBORN C. D. 1922-1933. — *Index Animalium sive index nominum quae ab A.D. MDCCCLVIII generibus et speciebus animalium imposita sunt. Sectio Secunda. A kalendis Ianuariis, MDCCCL usque ad finem Decembris, MDCCCL*. British Museum (Natural History), London, [Issued in 33 parts: 1: [i]-cxxxii, 1-128 (1922); 2: 129-384, cxxxiii-cxxxvi (1923); 3: 385-640 (1923); 4: 641-943 (1924); 5: 945-1196 (1924); 6: 1197-1452 (1925); 7: 1453-1771, [cxxxvii]-cxxxix (1925); 8: 1773-2008 (1925); 9: 2009-2248 (1926); 10: 2249-2568 (1926); 11: 2569-2880 (1926); 12: 2881-3136 (1927); 13: 3137-3392 (1927); 14: 3393-3746 (1927); 15: 3747-3970 (1928); 16: 3971-4194 (1928); 17: 4195-4450 (1928); 18: 4451-4690 (1929); 19: 4691-4930 (1929); 20: 4931-5138 (1929); 21: 5139-5348 (1929); 22: 5349-5702 (1930); 23: 5703-5910 (1930); 24: 5911-6118 (1930); 25: 6119-6358 (1931); 26: 6359-6582 (1931); 27: 6583-6806 (1931); 28: 6807-7056 (1932); 29: [i]-vii, cxxxiii-cxlviii, 1-208 (1932); 30: 209-416 (1932); 31: 417-654 (1932); 32: 655-878 (1933); 33: 879-1098 (1933)]. <https://lccn.loc.gov/agr03000069>
- SHERBORN C. D. & SMITH E. A. 1911. — A collation of J. C. Chenu's *Illustrations conchyliologiques*, and a note on P. L. Duclos' *Hist. nat. gén. et part. Coquilles*. *Proceedings of the Malacological Society of London* 9 (4): 264-267. <https://www.biodiversitylibrary.org/page/30825110>
- SHERBORN C. D. & WOODWARD B. B. 1893. — On the dates of the 'Encyclopédie Méthodique' (Zoology). *Proceedings of the Zoological Society of London for 1893* (3): 582-584. <https://www.biodiversitylibrary.org/page/35992882>
- SHERBORN C. D. & WOODWARD B. B. 1899. — On the dates of the 'Encyclopédie Méthodique': additional note. *Proceedings of the Zoological Society of London for 1899* (3): 595. <https://www.biodiversitylibrary.org/page/30951648>
- SHERBORN C. D. & WOODWARD B. B. 1901a. — On the dates of publication of the "Histoire naturelle générale et particulière des mollusques terrestres et fluviatiles" and the "Tableau systématique des animaux mollusques," by the Barons Férussac and G.-P. Deshayes. *Annals and Magazine of Natural History*, ser. 7, 8 (43): 74-76. <https://www.biodiversitylibrary.org/page/29980114>
- SHERBORN C. D. & WOODWARD B. B. 1901b. — Notes on the dates of publication of the natural history portions of some French voyages. Part I. And dates of publication of the Zoological and Botanical portions of some French voyages. Part II. *The Annals and Magazine of Natural History*, ser. 7, 7 (40): 388-392; 8 (44): 161-164; (46): 333-336; (47): 491-494. <https://www.biodiversitylibrary.org/page/24345262>
- SHERBORN C. D. & WOODWARD B. B. 1906a. — Notes on the dates of publication of the natural history portions of some French voyages. — 'Voyage autour du monde [...] sur [...] La Coquille pendant [...] 1822-25 [...] par L. J. Duperrey,' &c. — a correction. *The Annals and Magazine of Natural History* (ser 7) 17 (99): 335-336. <https://www.biodiversitylibrary.org/page/51472384>
- SHERBORN C. D. & WOODWARD B. B. 1906b. — On the dates of publication of the natural history portions of the "Encyclopédie Méthodique." *The Annals and Magazine of Natural History*, ser. 7, 17 (102): 577-582. <https://www.biodiversitylibrary.org/page/19245795>
- SHI L., SHU Y., QIANG C., XU P., TIAN Y. & CHANG Y. 2020. — A new freshwater snail (Gastropoda, Pomatiopsidae) endemic to Fuxian Lake (Yunnan, China) identified, based on morphological and DNA evidence. *Biodiversity Data Journal* 8: 1-13. <https://doi.org/10.3897/BDJ.8.e57218>
- SHIPMAN C. & GOSLINER T. 2015. — Molecular and morphological systematics of *Doto* Oken, 1851 [sic, 1815] (Gastropoda: Heterobranchia), with descriptions of five new species and a new genus. *Zootaxa* 3973 (1): 57-101. <https://doi.org/10.11646/zootaxa.3973.1.2>
- SHIRLEY J. 1911. — Additions to the marine Mollusca of Queensland. *Proceedings of the Royal Society of Queensland* 23 (1): 93-102. <https://www.biodiversitylibrary.org/page/13939503>
- SIGERFOOS C. P. 1908. — Natural history, organization, and late development of the Teredinidae, or ship-worms. *Bulletin of the Bureau of Fisheries* 27: 191-231, pls. 7-21. <https://www.biodiversitylibrary.org/page/27012467>
- SIGNORELLI J. H. 2019. — *The Superfamily Mactroidea (Mollusca: Bivalvia) in American Waters. An Illustrated Catalogue of Recent Species*. Springer, Cham, Switzerland, xiii + 151 p.
- SIGNORELLI J. H. & PRINTRAKOON C. 2020 [print version]. — The family Donacidae (Bivalvia: Tellinoidea) in Thai waters. *Molluscan Research* 40 (1): 8-35 [on-line version, 2019, with different pagination]. <https://doi.org/10.1080/13235818.2019.1655134>
- SIGNORELLI J. H. & RAVEN J. G. M. 2018. — Current knowledge of the family Cardiliidae (Bivalvia, Mactroidea). *Journal of Paleontology* 92 (2): 130-145. <https://doi.org/10.1017/jpa.2017.86>
- SIL M., MAHVEEN J., ROY A., PRAVEEN KARANTH K. & ARAVIND N. A. 2022. — Insight into the evolutionary history of *Indoplanorbis excustus* (Bulinidae: Gastropoda) at the scale of population and species. *Biological Journal of the Linnean Society* 137 (1): 68-84. <https://doi.org/10.1093/biolinnean/blac062>

- SIMONE L. R. L. 1996. — Anatomy and systematics of *Buccinanops gradatus* (Deshayes, 1844) and *Buccinanops moniliferus* (Kiener, 1834) (Neogastropoda, Muricoidea) from the southeastern coast of Brazil. *Malacologia* 38 (1-2): 87-102. <https://www.biodiversitylibrary.org/page/13114874>
- SIMONE L. R. L. 2006. — *Land and Freshwater Molluscs of Brazil*. Grafica Bernardi, São Paulo, 290 p. <https://doi.org/10.13140/2.1.2487.0088>
- SISMONDA A. E. 1842. — *Synopsis methodica animalium invertebratorum Pedemontii fossilium*. Typis Regiis, Turin, 44 p. <https://doi.org/10.5962/bhl.title.101892>
- SISMONDA A. E. 1847. — *Synopsis methodica animalium invertebratorum Pedemontii fossilium*, 2<sup>nd</sup> ed. Typis Regiis, Turin, viii + 62 p. <https://doi.org/10.5962/bhl.title.14409>
- SKELTON P. W. 2013. — Rudist classification for the revised Bivalvia volumes of the 'Treatise on Invertebrate Paleontology'. *Caribbean Journal of Earth Science* 45: 9-33.
- SKELTON P. W. & SMITH A. B. 2000. — A preliminary phylogeny for rudist bivalves: sifting clades from grades. *Geological Society, London, Special Publication* 177: 97-127. <https://doi.org/10.1144/GSL.SP.2000.177.01.06>
- SLEURS W. J. M. 1993. — A revision of the Recent species of *Rissoina* (*Moerchiella*), *R. (Apataxia)*, *R. (Ailinzebina)* and *R. (Pachyrissoina)* (Gastropoda: Rissoidae). *Bulletin de l'Institut royal des Sciences naturelles de Belgique, Biologie* 63: 71-135.
- SMITH A. B. & BENGTON P. 1991. — Cretaceous echinoids from Northeastern Brazil. *Fossils and Strata* 31: 1-88.
- SMITH A. B. & WRIGHT C. W. 1996. — British Cretaceous echinoids. Part 4, Stirodonta 3 (Phymosomatidae, Pseudodiademmatidae) and Camarodonta. *Monographs of the Palaeontographical Society* 150 (602): 268-341. <https://doi.org/10.1080/25761900.2022.12131783>
- SMITH A. B. & WRIGHT C. W. 2008. — British Cretaceous echinoids. Part 8, Atelostomata, 2. Spatangoida (1). *Monographs of the Palaeontographical Society* 162: 569-635.
- SMITH B. J. 1992. — Non-marine Mollusca. *Zoological Catalogue of Australia* 8: i-xii + 1-405.
- SMITH E. A. 1884. — *Mollusca, in Report on the zoological collections made in the Indo-Pacific Ocean during the voyage of H. M. S. Alert 1881-82*. British Museum, London, p. 34-116, 487-508, pl. 4-7, 44. <https://www.biodiversitylibrary.org/page/12067033>
- SMITH E. A. 1885. — *Lamellibranchiata, in Report of the Scientific Results of the Voyage of H.M.S. Challenger During the Years 1873-76, Vol. 13, Part 35: 341 p., 25 pls.* <https://www.biodiversitylibrary.org/page/1108211>
- SMITH E. A. 1906. — On South African marine Mollusca, with descriptions of new species. *Annals of the Natal Government Museum* 1 (1): 19-71, pls. 7-8. <https://www.biodiversitylibrary.org/page/6228369>
- SMITH E. A. 1914. — A list of Australian Mactridae, with a description of a new species. *Proceedings of the Malacological Society of London* 11 (2): 137-151. <https://www.biodiversitylibrary.org/page/15715664>
- SMITH J. 1847. — On the age of the Tertiary beds of the Tagus, with a catalogue of the fossils. *Quarterly Journal of the Geological Society of London* 3 (1): 410-422 [Descriptions of the figures by G. B. Sowerby I: p. 417-422, pl. 15-20]. <https://www.biodiversitylibrary.org/page/36933175>
- SNYDER M. A. 1999. — Notes on the molluscan genera *Clavilithes* Swainson, 1840 and *Rhopalithes* Grabau, 1904 (Gastropoda, Fasciolaridae). *Mededelingen van de Werkgroep voor Tertiaire en Kwartaire Geologie (Contributions to Tertiary and Quaternary Geology)* 36 (1-4): 3-8. <https://natuurtijdschriften.nl/pub/521639>
- SNYDER M. A. 2003. — Catalogue of the marine gastropod family Fasciolaridae. *Academy of Natural Sciences of Philadelphia Special Publication* 21: 1-431.
- SNYDER M. A. 2006. — A new species of *Fusinus* (Gastropoda: Fasciolaridae) from the Red Sea and the identity of *Fusinus undulatus* (Gmelin, 1791). *Gloria Maris* 45 (5): 104-114.
- SNYDER M. A. 2022. — Catalogue of the marine gastropod family Fasciolaridae, fossil and Recent: a guide to the "Fusidae". *Academy of Natural Sciences of Philadelphia Special Publication* 25: 1-313.
- SOHL N. F. & KOLLMANN H. A. 1985. — Cretaceous actaeonellid gastropods from the Western Hemisphere. *U. S. Geological Survey Professional Paper* 1304: i-iv + 1-104, pls 1-23. <https://doi.org/10.3133/pp1304>
- SOLEM A. 1976. — *Endodontoid Land Snails from Pacific Islands (Mollusca: Pulmonata: Sigmurethra)*. Part I. *Family Endodontidae*. Field Museum of Natural History, Chicago, xii + 508 p. <https://biostor.org/reference/107033>
- SOLEM A. 1983. — *Endodontoid Land Snails from Pacific Islands II. Families Punctidae and Charopidae, Zoogeography*. Field Museum of Natural History, Chicago, ix + 336 p. <https://doi.org/10.5962/bhl.title.2553>
- SOSSO M., DELL'ANGELO B. & BONFITTO A. 2011. — Riscoperta di *Megistostoma rostratum* (Deshayes, 1830) (Mollusca: Philinidae) nel Pliocene Italiano. *Bollettino Museo Regionale di Scienze Naturali di Torino* 28: 21-27.
- SOWERBY G. B. I 1833. — [...] the collection of shells formed by Mr. Cuming on the western coast of South America, and among the islands of the South Pacific. *Proceedings of the Zoological Society of London* 1 (1): 16-22. <https://www.biodiversitylibrary.org/page/12859456>
- SOWERBY G. B. I 1847. — See: Smith J.
- SOWERBY G. B. II 1834 [1832-1841]. — *The Conchological Illustrations; or Coloured Figures of all the Hitherto Unfigured Recent Shells*. Sowerby, London, 200 pls in 200 parts, each with its own text, paginated separately and usually also reissued in 1841. For details, see Petit (2009). Only one section by Sowerby G. B. II cited here: Part 49, figs 16-21, 1834. <https://doi.org/10.5962/bhl.title.51602>
- SOWERBY G. B. II 1851. — Monograph of the genus *Cytheraea*. *Thesaurus conchyliorum, or Monographs of genera of shells* 2 (12): 611-648, pl. 127-136. <https://www.biodiversitylibrary.org/page/43936974>
- SOWERBY G. B. II 1854a. — Monograph of the genus *Venerupis*. *Thesaurus conchyliorum, or Monographs of genera of shells* 2 (15): 763-770, pls. 164-165. <https://www.biodiversitylibrary.org/page/43937126>
- SOWERBY G. B. II 1854b. — Emendations to the monographs of Veneridae. *Thesaurus conchyliorum, or Monographs of genera of shells* 2 (15): 785-787. <https://www.biodiversitylibrary.org/page/43937148>
- SOWERBY G. B. II 1862. — Monograph of the genus *Scintilla*. *Thesaurus conchyliorum, or Monographs of genera of shells* 3 (21): 175-182, pls 234-235. <https://www.biodiversitylibrary.org/page/15940602>
- SOWERBY G. B. II 1868a. — Monograph of the genus *Galatea*. *Conchologia Iconica; or, Illustrations of the shells of molluscos animals* 16: 6 pls. <https://www.biodiversitylibrary.org/page/9133508>
- SOWERBY G. B. II 1868b [1866-1869]. — Monograph of the genus *Tellina*. *Conchologia Iconica; or, Illustrations of the Shells of Molluscos Animals* 17: 58 pls [pls 2-9, July 1866; pl. 10, August 1866; pls 11-18, November 1866; pls 19-26, March 1867; pls 27-34, June 1867; pls 35-42, September 1867; pls 43-44, March 1868; pl. 45, September 1868; pls 46-54, October 1868; 1, pls 55-58, April 1869]. <https://www.biodiversitylibrary.org/page/10974885>
- SOWERBY G. B. II 1872a. — Monograph of the genus *Magilus*. *Conchologia Iconica; or, Illustrations of the Shells of Molluscos Animals* 18: 4 pls. <https://www.biodiversitylibrary.org/page/8209467>
- SOWERBY G. B. II 1872b. — Monograph of the genus *Clavagella*. *Conchologia Iconica; or, Illustrations of the Shells of Molluscos Animals* 18: 3 pls. <https://www.biodiversitylibrary.org/page/8209487>
- SOWERBY G. B. II 1872c. — Monograph of the genus *Pholas*. *Conchologia Iconica; or, Illustrations of the Shells of Molluscos Animals* 18: 12 pls. <https://www.biodiversitylibrary.org/page/8209249>



SOWERBY G. B. II 1873 [1873-1874]. — Monograph of the genus *Emarginula*. *Conchologia Iconica; or Illustrations of the Shells of Molluscous Animals* 19: 9 pls. (pl. 2 and 3, October 1873; pl. 4-8, December 1873; pl. 1 and 9, August 1874). <https://www.biodiversitylibrary.org/page/8217935>

SOWERBY G. B. II 1874. — Monograph of the genus *Solecurtus*. *Conchologia Iconica; or, Illustrations of the Shells of Molluscous Animals* 19: 8 pls. <https://www.biodiversitylibrary.org/page/8218281>

SOWERBY G. B. II 1875. — Monograph of the genus *Saxicava*. *Conchologia Iconica; or, Illustrations of the Shells of Molluscous Animals* 20: 2 pls. <https://www.biodiversitylibrary.org/page/8230177>

SOWERBY G. B. II 1875-1876. — Monograph of the genus *Teredo*. *Conchologia Iconica; or, Illustrations of the Shells of Molluscous Animals* 20: 4 pls. (pl. 2, May 1875; pl. 1, 3 and 4, 1876). <https://www.biodiversitylibrary.org/page/8230147>

SOWERBY G. B. II. 1876a-1877a. — Monograph of the genus *Cyrena*. *Conchologia Iconica; or, Illustrations of the Shells of Molluscous Animals* 20: 19 pls. (pl. 2-10, 1876; pl. 1, 11-19, 1877). <https://www.biodiversitylibrary.org/page/8230337>

SOWERBY G. B. II 1876b. — Monograph of the genus *Sphaerium*. *Conchologia Iconica; or, Illustrations of the Shells of Molluscous Animals* 20: 5 pls. <https://www.biodiversitylibrary.org/page/8230417>

SOWERBY G. B. II 1877b. — Monograph of the Pteropoda. *Conchologia Iconica; or, Illustrations of the Shells of Molluscous Animals* 20: 6 pls. <https://www.biodiversitylibrary.org/page/8230531>

SOWERBY G. B. III 1904. — Mollusca of South Africa. (Pelecypoda). *Marine Investigations in South Africa* 4: 1-19, pl. 6-7. <https://www.biodiversitylibrary.org/page/15957092>

SOWERBY G. B. III 1919. — Notes of *Magilus* and its allies, substituting the generic name *Magilopsis* for *Leptoconchus lamarcki*, Deshayes. *Proceedings of the Malacological Society of London* 13 (3-4): 75-77. <https://www.biodiversitylibrary.org/page/15770919>

SOWERBY J. & SOWERBY J. DE C. 1812-1846. — *The Mineral Conchology of Great Britain; or Coloured Figures and Descriptions of those Remains of Testaceous Animals or Shells, which have been Preserved at Various Times and Depths in the Earth*. J. Sowerby, London. Collation from Cleavelly (1974). Dates and authorship ruled by ICZN Opinion 1429 (1987) and Direction 123 (1988b). Only those parts cited herein are listed below. <https://doi.org/10.5962/bhl.title.14408>

Vol	Part	Pages	Plates	Author	Date
1	8	85-96	39-44	J. Sowerby	1 December 1813
1	15	179-194	79-84	J. Sowerby	1 February 1815
2	28	129-140	157-162	J. Sowerby	1 April 1817
3	36	1-16	204-209	J. Sowerby	1 August 1818
3	42	69-80	240-245	J. Sowerby	1 August 1819
5	80	91-98	462-467	J. de C. Sowerby	1 May 1824
6	90	37-44	522-527	J. de C. Sowerby	1 May 1826
6	95	97-108	552-557	J. de C. Sowerby	1 March 1827
6	99	141-156	575-580	J. de C. Sowerby	1 November 1827
6	104	215-230, Index & Corrections [231-235]	604-609	J. de C. Sowerby	February 1843

SOWERBY J. DE C. 1840. — Unpaginated 2-p. explanation to pl. 47. *Transactions of the Geological Society of London*, ser. 2, 5 (3), which relate to p. 550-551 & 569 of a paper by Malcolmson J. G., 1840, On the fossils of the eastern portion of the Great Basaltic District of India, p. 537-575. <https://www.biodiversitylibrary.org/page/36236116>

SPIJKERMAN E., VAN NIEULANDE F. A. D., WESSELINGH F. P., REICH S. & TRACEY S. 2015. — Pourcy (Paris Basin, France): preliminary assessment of an early Eocene NW European tropical coastal environment from molluscs and vertebrate fossils. *Cainozoic Research* 15 (1-2): 155-180.

SPOEL S. VAN DER 1976. — *Pseudothecosomata, Gymnosomata and Heteropoda (Gastropoda)*. Scheltema, Bohn & Holkema, Utrecht, 484 p.

SQUIRES R. L., ZINSMEISTER W. J. & PAREDEZ-MEJIA L. M. 1989. — *Popenoeum*, a new pseudolivine gastropod genus: widespread and most diversified during the Paleocene. *Journal of Paleontology* 63 (2): 212-217. <https://doi.org/10.1017/S0022336000019235>

SRI-AROON P., KÖHLER F. & RICHTER K. 2011. — *Mekongia julieni*. The IUCN Red List of Threatened Species. <http://www.iucnredlist.org/details/188747/0>

STAFLEU F. A. & COWAN R. S. 1986 (in 1976-1988). — *Taxonomic Literature; a Selective Guide to Botanical Publications and Collections with Dates, Commentaries and Types*. Volume VI. *Sti-Vuy* [second ed.]. Bohn, Scheltema & Holkema, Antwerpen, ii + 936 p.

STALLWOOD R. B. 1995. — A Turonian clavagellid (Bivalvia) from the Ladd Formation of southern California. *Journal of Paleontology* 69 (1): 84-88. <https://doi.org/10.1017/S0022336000026937>

STANISIC J., SHEA M., POTTER D. & GRIFFITHS O. 2010. — *Australian Land Snails*. Vol. 1. *A Field Guide to Eastern Australian Species*. Bioculture Press, Mauritius, xiii + 591 p.

STEFFEK J. 1982. — Nález *Lindholmiola corcyrensis* (Deshayes, 1839) (Mollusca, Helicidae) v náplave Dunaja [The finding of *Lindholmiola corcyrensis* (Deshayes, 1839) in the fluvial deposit of the Danube]. *Biológia (Bratislava)* 37 (10): 1027-1028.

STEINER G. & KABAT A. R. 2001. — Catalogue of supraspecific taxa of Scaphopoda (Mollusca). *Zoosystema* 23 (3): 433-460.

STEINER G. & KABAT A. R. 2004. — Catalog of species-group names of Recent and fossil Scaphopoda (Mollusca). *Zoosystema* 26 (4): 549-726.

STEVENSON S. E. 1972. — Arcacea (Mollusca: Bivalvia) types in the British Museum (Natural History). *Bulletin of the British Museum (Natural History)* 24 (3): 195-204. <https://www.biodiversitylibrary.org/page/26497677>

STOKES R. B. 2015. — Designation of the type species of the Cretaceous echinoid genus *Epiaster* d'Orbigny, 1855: a case study of confusion. *Annalen des Naturhistorischen Museums in Wien, Serie A, Mineralogie und Petrographie, Geologie und Paläontologie, Anthropologie und Prähistorie* 117: 153-159. <https://www.jstor.org/stable/43923087>

STOLICZKA F. 1870-1871. — The Pelecypoda, with a review of all known genera of this class, fossil and recent, in OLDHAM T. (ed.), *Paleaontologia Indica, being figures and descriptions of the organic remains procured during the progress of the Geological Survey of India. Cretaceous Fauna of Southern India*. Vol. 3. Memoirs of the Geological Survey of India, Calcutta, i-xxii, 1-537, pls 1-50 [p. 1-222, pl. 1-12 – 1870; p. i-xxii, 223-537, pl. 23-50 – 1871]. <https://doi.org/10.5962/bhl.title.39566>

STRENGTH N. E. & BLANKENSHIP J. E. 1977. — Notes on sea hares of south Texas (Gastropoda: Opisthobranchia). *The Veliger* 20 (2): 98-100. <https://www.biodiversitylibrary.org/page/42432296>

STRONG E. E., GALINDO L. A. & KANTOR YU. I. 2017. — Quid est *Clea helena*? Evidence for a previously unrecognized radiation of assassin snails (Gastropoda: Buccinoidea: Nassariidae). *PeerJ* 5: e3638. <https://doi.org/10.7717/peerj.3638>

SUBAI P. & NEUBERT E. 2014. — Revision of the genus *Lindholmiola* Hesse, 1931 (Gastropoda: Pulmonata: Helicodontidae). *Contributions to Natural History (Bern)* 23: 1-94.

SURYA RAO K. V., MITRA S. C. & MANNA R. N. 2008. — Land and freshwater molluscs of Pondicherry. *Records of the Zoological Survey of India* 108 (2): 1-15. <https://doi.org/10.26515/rzsi/v108/i2/2008/159051>

- SWEET W. C. 1964. — Nautiloidea–Oncocerida, in TEICHERT C., KUMMEL B., SWEET W. C., STENZEL H. B., FURNISH W. M., GLENISTER B. F., ERTBEN H. K., MOORE R. C. & ZELLER D. E. N. (eds), *Treatise on Invertebrate Paleontology. Part K. Mollusca 3. Cephalopoda – General Features. Endoceratoides – Actinoceratoidea – Nautiloidea – Bactritoidea*. Geological Society of America & University of Kansas: K277-K319.
- SYMONDS M. F. 2002. — The Neritidae of the Barton Group (Middle Eocene) of the Hampshire Basin. *Tertiary Research* 21 (1-4): 1-10, incl. 3 pls.
- SYMONDS M. F. & PACAUD J.-M. 2010. — New species of Neritidae (Neritimorpha) from the Ypresian and Bartonian of the Paris and Basse-Loire Basins, France. *Zootaxa* 2606 (1): 55-68. <https://doi.org/10.11646/zootaxa.2606.1.4>
- TAKI I. & HABE T. 1955. — Gastrochaenidae in Japan, in KURODA T. (ed.), *Illustrated Catalogue of Japanese shells* 2 (1): 1-6.
- TAN S. K., ANG H. P., NGUANG L. H. S. & LOW M. E. Y. 2015. — Singapore Mollusca: 10. The family Laevidentalidae (Scaphopoda: Dentaliidae), including a note on the date of publication of *Dentalium incertum* Deshayes. *Occasional Molluscan Papers* 4: 11-17.
- TAVIANI M., REMIA A., ÈSU D. & SAMI M. 2007. — Messinian Lago-Mare mollusc fauna from the Gorgona Island slope, Tyrrhenian Sea. *Geobios* 40: 351-358. <https://doi.org/10.1016/j.geobios.2007.02.001>
- TAYLOR J. D. & GLOVER E. A. 2016. — Lucinid bivalves of Guadeloupe: diversity and systematics in the context of the tropical western Atlantic (Mollusca: Bivalvia: Lucinidae). *Zootaxa* 4196 (3): 301-380. <https://doi.org/10.11646/zootaxa.4196.3.1>
- TAYLOR J. D. & GLOVER E. A. 2018. — Hanging on – lucinid bivalve survivors from the Paleocene and Eocene in the western Indian Ocean (Bivalvia: Lucinidae). *Zoosystema* 40 (7): 123-142. <https://doi.org/10.5252/zoosystema2018v40a7>. <http://zoosystema.com/40/7>
- TAYLOR J. D. & GLOVER E. A. 2021. — *Biology, Evolution and Generic Review of the Chemosynthetic Bivalve Family Lucinidae*. Ray Society, London, 318 p.
- TEICHERT C. 1940. — Contributions to nautiloid nomenclature. *Journal of Paleontology* 14 (6): 590-597. <https://www.jstor.org/stable/1298712>
- TËMKIN I. 2010. — Molecular phylogeny of pearl oysters and their relatives (Mollusca, Bivalvia, Pterioidea). *Evolutionary Biology* 10 (324): 1-28. <https://doi.org/10.1186/1471-2148-10-342>
- TEN HOVE H. A. & SMITH R. S. 1990. — A redescription of *Ditrupa gracillima* Grube, 1878 (Polychaeta, Serpulidae) from the Indo-Pacific, with a discussion of the genus. *Records of the Australian Museum* 42 (1): 101-118.
- TEPPNER W. VON 1922. — Lamellibranchia Tertiaria, Anisomyaria II. *Fossilium Catalogus, I. Animalia, Pars 15*: 67-296. <https://www.biodiversitylibrary.org/page/50675959>
- TERQUEM O. 1855. — Paléontologie l'étage inférieur de la formation Liasique de la Province de Luxembourg, Grand-Duché (Hollande), et de Hettange du Département de la Moselle. *Mémoires de la Société géologique de France*, sér. 2, 5 (2): 219-343, pl. 12-26. <https://patrimoine.sorbonne-universite.fr/idurl/1/3123>
- TERQUEM O. & JOURDY E. 1869. — Monographie de l'étage Bathonien dans le département de la Moselle. *Mémoires de la Société géologique de France*, sér. 2, 9 (1): 1-175, pls. 1-15. <https://www.biodiversitylibrary.org/page/12238615>
- TERRYN Y. 2007. — *Terebridae. A Collector Guide*. ConchBooks, Hackenheim, 57 p., 65 pls.
- TERRYN Y. 2017. — Notes on *Clathroterebra fortunei* (Deshayes, 1857) and *Clathroterebra multistriata* (Schepman, 1913). *Gloria Maris* 56 (3): 90-93.
- TERRYN Y. 2021. — The *Duplicaria duplicata* species-complex (Gastropoda: Terebridae). *Gloria Maris* 60 (2): 60-67, pls 1-2.
- TERRYN Y. & CHINO M. 2022. — Notes on some Japanese and East China Sea *Duplicaria* (Gastropoda: Conoidea) with the description of a new species. *Gloria Maris* 61 (1): 8-17, incl. 4 pls.
- TERRYN Y. & FRAUSSEN K. 2022. — Notes on the genera *Punctoterebra* and *Myurellopsis*: *Punctoterebra succincta* (Gmelin, 1791), *P. textilis* (Hinds, 1844) and *M. parkinsoni* (Bratcher & Chernohorsky, 1976) revisited, with the description of six new species. *Novapex* 23 (4): 135-153.
- TERRYN Y. & MARROW M. 2022. — *Hastula strigilata* revisited: part II. Tropical Indo-Pacific, first preliminary results, evaluation of types and synonymy, with the description of nine new species (Gastropoda: Conoidea: Terebridae). *Gloria Maris* 61 (1): 45-69, incl. 7 pls.
- THIELE J. 1928. — Revision des Systems der Hydrobiiden und Melaniiden. *Zoologische Jahrbücher, Systematik* 55: 351-402.
- THIVAIOU D., HARZHAUZER M. & KOSKERIDOU E. 2023. — Cenozoic diversity and distribution of the mangrove- and mudflat-associated gastropod genus *Terebralia* Swainson, 1840 (Potamididae: Caenogastropoda) in Europe. *Comptes Rendus Palevol* 22 (14): 245-264. <https://doi.org/10.5852/cr-palevol2023v22a14>
- THOMPSON F. G. 2011. — An annotated checklist and bibliography of the land and freshwater snails of México and Central America. *Bulletin of the Florida Museum of Natural History* 50 (1): 1-299.
- THOMPSON T. E. 1977. — Jamaican opisthobranch molluscs I. *Journal of Molluscan Studies* 43 (3): 93-140. <https://doi.org/10.1093/oxfordjournals.mollus.a065373>
- THOMPSON T. E. & BROWN G. H. 1984. — *Biology of Opisthobranch Molluscs, II. Monograph 156*. Ray Society, London, 229 p.
- THURMANN J. & ÉTALLON C. A. 1862. — Lethea Bruntrutana ou études paléontologiques et stratigraphiques sur les terrains jurassiques supérieurs du Jura Bernois et en particulier des environs de Porrentruy [Part II]. *Neue Denkschriften der allgemeinen schweizerischen Gesellschaft für die gesammten Naturwissenschaften / Nouveaux Mémoires de la Société helvétique des Sciences naturelles* 19 (2): 147-353, pl. 14-49. <https://www.biodiversitylibrary.org/page/13238159>
- TILLIER S. & MORDAN P. 1995. — The anatomy and systematics of the New Caledonian land snail genus *Draparnaudia* Montrouzier, 1859 (Pulmonata: Orthurethra). *Zoological Journal of the Linnean Society* 113 (1): 47-91. <https://doi.org/10.1111/j.1096-3642.1995.tb00336.x>
- TOBIEN H. 1971. — Deshayes, Gerard Paul. *Dictionary of Scientific Biography* 4: 67-68.
- TOMLIN J. R. LE B. 1917. — A systematic list of the Marginellidae. *Proceedings of the Malacological Society of London* 12 (5): 242-266; (6): 267-306. <https://www.biodiversitylibrary.org/page/15770726>
- TOMLIN J. R. LE B. 1921. — Note on the *Maetra complanata* of Reeve and Deshayes. *Journal of Conchology* 16 (7): 226. <https://www.biodiversitylibrary.org/page/31904875>
- TOMLIN J. R. LE B. 1923. — Some synonyms in the Veneridae. *Proceedings of the Malacological Society of London* 15 (6): 310-313. <https://www.biodiversitylibrary.org/page/30347319>
- TOMLIN J. R. LE B. 1924. — Notes on some Mactridae. *Journal of Conchology* 17 (5): 134-136. <https://www.biodiversitylibrary.org/page/63099320>
- TOMLIN J. R. LE B. 1926. — Note on *Donax conradi* Deshayes. *The Nautilus* 40 (2): 52-53. <https://www.biodiversitylibrary.org/page/8523185>
- TOMLIN J. R. LE B. 1931. — Notes from the British Museum- I. Dates of certain species of *Donax* and *Mesodesma*. *Proceedings of the Malacological Society of London* 19 (6): 275-276. <https://doi.org/10.1093/oxfordjournals.mollus.a064056>
- TOMLIN J. R. LE B. 1934. — The marine Mollusca of Christmas Island, Indian Ocean. *Bulletin of the Raffles Museum* [Singapore] 9: 74-84.
- TOMLIN J. R. LE B. 1944. — Deshayes' review of *Terebra*. *Journal of Conchology* 22 (5): 104-108. <https://www.biodiversitylibrary.org/page/63043419>
- TOMLIN J. R. LE B. & SALISBURY A. E. 1928. — Laborde's "Voyage" and the Mollusca therein described by Deshayes. *Proceedings of the Malacological Society of London* 18 (1): 32-35. <https://doi.org/10.1093/oxfordjournals.mollus.a063933>



TONI R. T. 1975. — Upper Ordovician bivalves from the Oslo region, Norway. *Norsk Geologisk Tidsskrift* 55 (2): 135-156.

TOO C. C., CARLSON C., HOFF P. J. & MALAQUIAS M. A. E. 2014. — Diversity and systematics of Haminoeidae gastropods (Heterobranchia: Cephalaspidae) in the tropical west Pacific Ocean: new data on the genera *Aliculastrum*, *Alys*, *Diniatys* and *Liloa*. *Zootaxa* 3794 (3): 355-392. <https://doi.org/10.11646/zootaxa.3794.3.3>

TORIGOE K. & INABA A. 2011. — Revision on the classification of Recent Naticidae. *Bulletin of the Nishinomiya Shell Museum* 7: 1-133 + 1-15, pls 1-4.

TRACEY S. & TODD J. A. 1996. — Nomenclatural changes for some Bracklesham Group gastropods. *Tertiary Research* 16 (1-4): 41-54, incl. 2 pls

TRÉGUIER J. & PACAUD J.-M. 2018. — Inventaire de la collection de fossiles du Lutétien (Éocène moyen) du Cotentin de Georges Pissarro conservée au Musée des Sciences de Laval. *Carnets de Géologie* 18 (9): 205-223, pls 1-5. <https://doi.org/10.4267/2042/68184>

TRÖNDLÉ J. & BOUTET M. 2009. — Inventory of marine molluscs of French Polynesia. *Atoll Research Bulletin* 570: 1-87. <https://doi.org/10.5479/si.00775630.570.1>

TRÖNDLÉ J. & HOUART R. 1992. — Les Muricidae de Polynésie Française. *Apex* 7 (3-4): 67-149. <https://www.biodiversitylibrary.org/page/41530412>

TRUC G. 1971. — Heliceae (Gastropoda) du Neogene du Bassin Rhodanien (France). *Geobios* 4 (4): 273-329. [https://doi.org/10.1016/S0016-6995\(71\)80012-8](https://doi.org/10.1016/S0016-6995(71)80012-8)

TRYON G. W. JR 1862. — On the classification and synonymy of the Recent species of Pholadidae. *Proceedings of the Academy of Natural Sciences of Philadelphia* 14: 191-221. <https://www.biodiversitylibrary.org/page/1951663>

TRYON G. W. & PILSBRY H. A. (with contributions by others). 1878-1935. — *Manual of Conchology*. Dates from Vanatta (1927) & Clench & Turner (1962). Only cited sections listed here. <https://doi.org/10.5962/bhl.title.10543>; <https://doi.org/10.5962/bhl.title.6534>

(Series)	Volume	Part	Pages	Plates	Author	Date
(1) 7	25		1-64	1-12	Tryon	12 January 1885
	30		65-128	28-37	Tryon	3 May 1886
	38		65-144	21-36	Tryon	1 July 1888
	39		161-208,	40-45	Pilsbry	1 October 1888
			[iii]			
	64		161-262	44-74	Pilsbry	23 September 1896
(2) 5	17		1-64	2-16	Pilsbry	17 April 1889
	28		193-225	46-61	Pilsbry	25 April 1892
	36		161-336	41-71, frontispiece	Pilsbry	2 February 1895
	67		145-224	27-37	Pilsbry & Sharp	3 May 1898
	64		193-329,	16-37	Pilsbry	7 March 1904
	76		193-388,	31-52	Pilsbry	31 July 1908
			i-xl			
			i-xxvii			

TUCKER J. K. 2004. — Catalog of Recent and fossil turrids (Mollusca: Gastropoda). *Zootaxa* 682 (1): 1295 p. <https://doi.org/10.11646/zootaxa.682.1.1>

TUCKER J. K. & LE RENARD J. 1993. — Liste bibliographique des Turridae (Gastropoda, Conacea) du Paléogène de l'Angleterre, de la Belgique et de la France. *Cossmanniana* 2 (1-2): 1-66.

TUCKER J. K. & TENORIO M. J. 2009. — *Systematic Classification of Recent and Fossil Conoidean Gastropods, with Keys to the Genera of Cone Shells*. Conchbooks, Hackenheim, 272 p., 11 pls.

TURNER H. 2001. — *Katalog der Familie Costellariidae Macdonald 1860 (Gastropoda: Prosobranchia: Muricoidea)*. Conchbooks, Hackenheim, 100 p.

TURNER R. D. 1955. — The family Pholadidae in the western Atlantic and the eastern Pacific. Part II. Martessiinae, Jouannetiinae and Xylophaginae. *Johnsonia* 3 (34): 65-160, figs 35-93. <https://www.biodiversitylibrary.org/page/41113147>

TURNER R. D. 1966. — *A Survey and Illustrated Catalogue of the Terebinthidae*. Harvard University, Museum of Comparative Zoology, ix + 265 p., 64 pls. <https://doi.org/10.5962/bhl.title.67017>

UMIŃSKI T. 1962. — Revision of the Palearctic forms of the genus *Discus* Fitzinger, 1833 (Gastropoda, Endodontidae) [Rewizja palearktycznych form z rodzaju *Discus* Fitzinger, 1833 (Gastropoda, Endodontidae)]. *Annales Zoologici* 20 (16): 299-333. <https://archive.org/details/annaes-zoologici-20-300-332>

VALDÉS Á., BRESLAU E., PADULA V., SCHRÖDL M., CAMACHO Y., MALAQUIAS M., ALEXANDER J., BOTTOMLEY M., VITAL X. & GOSLINER T. M. 2017. — Molecular and morphological systematics of *Dolabrifera* Gray, 1847 (Mollusca, Gastropoda, Heterobranchia, Aplysiomorpha). *Zoological Journal of the Linnean Society* 184 (1): 31-65. <https://doi.org/10.1093/zoolinnean/zlx099>

VALDÉS A. & HÉROS V. 1998. — The types of Recent and certain fossil opisthobranch molluscs in the Muséum national d'Histoire naturelle, Paris. *Zoosystema* 20: 695-742.

VALDÉS Á. & LOZOUET P. 2000. — Opisthobranch molluscs from the Tertiary of the Aquitaine Basin (south-western France), with descriptions of seven new species and a new genus. *Palaeontology* 43 (3): 457-479, pls 1-3. <https://doi.org/10.1111/j.0031-0239.2000.00135.x>

VALENTICH-SCOTT P., COAN E. V. & ZELAYA D. G. 2020. — Bivalve seashells of western South America. Marine bivalve molluscs from northern Perú to southern Chile. Santa Barbara Museum of Natural History. *Studies in Biodiversity* 6: vii + 593 p.

VANATTA E. G. 1927. — Dates of publication of the parts of the Manual of Conchology, first series (Cephalopoda, Marine Gastropoda, Polyplacophora, Scaphopoda). *The Nautilus* 40 (3): 96-99. <https://www.biodiversitylibrary.org/page/8523231>

VAN DER SCHALIE H. 1948. — The land- and fresh-water mollusks of Puerto Rico. *Miscellaneous Publications Museum of Zoology, University of Michigan* 70: 1-134, pls 1-14. <https://hdl.handle.net/2027.42/56315>

VAN DER VOORT J. 2024. — Note on the correct year of publication of Deshayes' *Scalaria crassicostrata* (*Cirsotrema crassicostratum*) (Gastropoda: Epitoniidae), and its precise bibliographical reference. *Bulletin of the National Museum of Natural History, Malta* 1 (1): 30-36.

VAN DINGENEN F., CEULEMANS L. & LANDAU B. 2014. — *Euroscaphella* nov. gen. (Gastropoda: Volutidae) in the Neogene of Europe, with the description of a new species: *Euroscaphella nammetensis* nov. sp. from the Mio-Pliocene transition of north-western France. *Cainozoic Research* 14 (2): 101-111.

VAN DINGENEN F., CEULEMANS L. & LANDAU B. 2016. — The lower Pliocene gastropods of Le Pigeon Blanc (Loire-Atlantique, north west France), 2. Caenogastropoda. *Cainozoic Research* 16 (2): 209-291, pls 1-15.

VANNOZZI A. 2016. — Revision of the genus *Strebloceras* Carpenter, 1859 (Gastropoda: Caecidae). *Bollettino Malacologico* 52 (2): 110-121. <https://www.biodiversitylibrary.org/page/59522912>

VAPERAU G. 1861. — *Dictionnaire universel des contemporains contenant toutes les personnes notables de la France et des pays étrangers, avec leurs noms, prénoms, surnoms et pseudonymes* [second edition]. Hachette, Paris, xi + 1,840 p. <https://hdl.handle.net/2027/ien.35556040794042>

VAPERAU G. 1880. — *Dictionnaire universel des contemporains contenant toutes les personnes notables de la France et des pays étrangers, avec leurs noms, prénoms, surnoms et pseudonymes* [fifth edition]. Hachette, Paris, viii + 1,892 + lxviii p. <https://hdl.handle.net/2027/mdp.39015085431776>

- VARDINOYANNIS K., TZATZI M. & MYLONAS M. 2015. — Terrestrial snails (Mollusca: Gastropoda) of the Gyros Island (Cyclades, Greece). *Folia Malacologica* 23 (1): 41-46. <https://doi.org/10.12657/folmal.023.005>
- VAZZANA A. 2015. — Segnalazione di due specie di Coralliophilinae (Gastropoda, Muricidae) per lo Stretto di Messina. *Bollettino Malacologico* 51 (1): 9-12.
- VÉNEC-PEYRÉ M.-T. 2005. — *Les Planches inédites de Foraminifères d'Alcide d'Orbigny: À l'aube de la micropaléontologie*. Publications scientifiques du Muséum, Paris, 302 p. <https://doi.org/10.4000/books.mnhn.4774>
- VERHAEGHE M. & POPPE G. T. 2000. — *The Family Ficidae*. ConchBooks, Hackenheim, 31 p., 27 pls, loose-leaf format.
- VERMEIJ G. J. 2001. — Taxonomy, distribution and characters of pre-Oligocene members of the *Cantharus* group of Pisaniinae (Neogastropoda: Buccinoidea). *Journal of Paleontology* 75 (2): 295-309. [https://doi.org/10.1666/0022-3360\(2001\)0752.0.CO;2](https://doi.org/10.1666/0022-3360(2001)0752.0.CO;2)
- VERMEIJ G. J. & LOZOUET P. 2012. — *Lamarckofusus*, a new genus for a well-known Eocene gastropod and its relatives (Gastropoda, Fasciolaridae, Fusulinidae). *Basteria* 76 (1-3): 81-86. <https://natuurtijdschriften.nl/pub/597414>
- VERMEIJ G. J. & PACAUD J.-M. 2019. — A new Eocene genus of Columbariidae (Gastropoda: Turbinelloidea) with a labral tooth. *Cainozoic Research* 19 (2): 117-120.
- VERMEIJ G. J. & SNYDER M. A. 2006. — Shell characters and taxonomy of *Latirus* and related fasciolariid groups. *Journal of Molluscan Studies* 72 (4): 413-424. <https://doi.org/10.1093/mollus/eyl020>
- VERMEIJ G. J. & SNYDER M. A. 2018. — Proposed genus-level classification of large species of Fusulinidae (Gastropoda, Fasciolaridae). *Basteria* 82 (4-6): 57-82. <https://natuurtijdschriften.nl/pub/1000573>
- VERNEUIL P. E. P. DE 1839. — Note sur les environs d'Alger. *Bulletin de la Société géologique de France* 1 (11): 74-82. <https://www.biodiversitylibrary.org/page/53834811>
- VICIÁN Z. & KOVÁCS Z. 2022. — Middle Eocene Tonnoidea (Caenogastropoda) from the Hungarian Paleogene Basin. *Fragmenta Palaeontologica Hungarica* 37: 13-47. <https://doi.org/10.17111/FragmPalHung.2021.37.13>
- VIDAL J. 1997. — Large Trachycardiinae from the Indo-West Pacific: the group of *Vasticardium orbita* (Broderip & Sowerby, 1833) (Mollusca: Cardiidae). *Molluscan Research* 18 (1): 11-32. <https://doi.org/10.1080/13235818.1997.10673678>
- VIDAL J. 1999. — Taxonomic review of the elongated cockles: genera *Trachycardium*, *Vasticardium* and *Acrosterigma* (Mollusca, Cardiidae). *Zoosystema* 21 (2): 259-335. <https://www.biodiversitylibrary.org/page/56151926>
- VILLATTE J. 1970. — Deux Olividae identiques: *Pseudoliva prima* (Defrance) et *Pseudoliva poursanensis* (Doncieux). *Bulletin de la Société d'Histoire naturelle de Toulouse* 106 (1-2): 22-27, 1 pl. <https://gallica.bnf.fr/ark:/12148/bpt6k6558188z/f24.item>
- VINN O., MUTVEI H., TEN HOVE H. A. & KIRSIMÄE K. 2008. — Unique Mg-calcite skeletal ultrastructure in the tube of the serpulid polychaeta *Ditrupa*. *Neues Jahrbuch für Geologie und Paläontologie, Abhandlungen* 248 (1): 79-89. <http://doi.org/10.1127/0077-7749/2008/0248-0079>
- VIRLET P. T. 1833. — Notes géologiques sur les îles du Nord de la Grèce, et, en particulier, sur un terrain de calcaire d'eau douce à lignites. *Annales des Sciences naturelles* 30: 160-168. <https://www.biodiversitylibrary.org/page/5978675>
- VOKES E. H. 1971. — Catalogue of the genus *Murex* Linné (Mollusca: Gastropoda); Muricinae, Ocenebrinae. *Bulletins of American Paleontology* 61 (268): 1-141. <https://www.biodiversitylibrary.org/page/10584584>
- VOLTZ P. L. 1828. — *Topographische Uebersicht der Mineralogie der beiden Rhein-Departemente: aus der neuen historischen und topographischen Beschreibung des Elsasses von Hn. Aufschläger besonders abgedruckt*. Friedrich Carl Heitz, Strassburg, 64 p.
- VOS C. 2007. — *Conchological Iconography*. Vol. 13. *The Family Tonniidae*. Conchbooks, Hackenheim, 121 p., 63 pls.
- VOS C. 2013. — Overview of the Tonniidae (Mollusca: Gastropoda) in Chinese waters. *Gloria Maris* 52 (1-2): 22-53, pls 1-9.
- VOSKUIL R. P. A. 2018. — *The Superfamily Olivoidea (Gastropoda: Neogastropoda). An Illustrated Catalogue of Literature, Taxa and Type Figures, 1681 to Present, version 3*. R.P.A. Voskuil, 129 p.
- VOSKUIL R. P. A. & ONVERWAGT W. J. H. 1991. — Studies on Cardiidae, 5. The taxa introduced by E. Fischer-Piette in 1977 in his "Révision des Cardiidae." *Basteria* 55 (4-6): 115-122. <https://natuurtijdschriften.nl/pub/596979>
- VRINAT X. 2019. — The smooth-shelled Neritidae Rafinesque, 1815 (Mollusca, Gastropoda) from the Ypresian of the Paris Basin, with the introduction of three new species. *Cainozoic Research* 19 (1): 45-78.
- VRŠALJKO D., PAVELIĆ D., MIKNIĆ M., BRKIĆ M., KOVAČIĆ M., HEČIMOVIĆ I., HAJEK-TADEŠE V., AVANIĆ R. & KURTANJEK N. 2006. — Middle Miocene (Upper Badenian/Sarmatian) paleoecology and evolution of the environments in the area of Medvednica Mt. (North Croatia). *Geologia Croatica* 59 (1): 51-63. <https://doi.org/10.4154/GC.2006.04>
- WAAGEN L. 1907. — Die Lamellibranchiaten der Pachycardientuffe der Seiser Alm nebst vergleichend paläontologischen und phylogenetischen Studien. *Abhandlungen der kaiserlich-königlichen geologischen Reichsanstalt* 18 (2): 1-180, pls. 25-34. <https://www.biodiversitylibrary.org/page/39173655>
- WARÉN A. 1983. — An anatomical description of *Eulima bilineata* Alder with remarks on and a revision of *Pyramidelloides* Nevill (Mollusca, Prosobranchia, Eulimidae). *Zoologica Scripta* 12 (4): 273-294. <https://doi.org/10.1111/j.1463-6409.1983.tb00511.x>
- WARÉN A. 1984. — A generic revision of the Family Eulimidae. *Journal of Molluscan Studies* 49, Supplement 13: 1-96. [https://doi.org/10.1093/mollus/49.Supplement\\_13.1](https://doi.org/10.1093/mollus/49.Supplement_13.1)
- WARÉN A. 1994. — Systematic position and validity of *Ebala* Gray, 1847 (Ebalidae fam. n., Pyramidelloidea, Heterobranchia). *Bollettino Malacologico* 30 (5-9): 203-210. <https://www.biodiversitylibrary.org/page/49937818>
- WATELET J. F. A. 1851-1856. — *Recherches dans les sables tertiaires des environs de Soissons*. Société historique, archéologique et scientifique de Soissons, Laon, Fasc. 1: p. 1-15, pls 1-2 (1851); Fasc. 2: p. 16-28, pls 1-2 (1853); Fasc. 3 [Catalogue de fossiles]: p. 1-34; Fasc. 4: p. 1-19, pls 1-2 (1856). <https://doi.org/10.5962/bhl.title.13957>
- WATERBURY J. B., CALLOWAY C. B. & TURNER R. D. 1983. — A cellulolytic nitrogen-fixing bacterium cultured from the gland of Deshayes in shipworms (Bivalvia: Teredinidae). *Science* 221: 1401-1403. <https://doi.org/10.1126/science.221.4618.1401>
- WEAVER C. S. & DUPONT J. E. 1970. — *Living Volutes: a Monograph of the Recent Volutidae of the World*. Delaware Museum of Natural History, Greenville, xv + 375 p., 78 pls. <https://doi.org/10.5962/bhl.title.132267>
- WELTER-SCHULTES F. W. 2012. — *European Non-Marine Mollusca, a Guide for Species Identification*. Planet Poster Editions, Göttingen, A1-3, 1-678 + Q1-78 p. [plates].
- WENZ W. 1919. — Zur Nomenklatur tertiärer Land- und Süßwassergastropoden. *Nachrichtsblatt der Deutschen Malakozoologischen Gesellschaft* 51 (2): 68-76. <https://www.biodiversitylibrary.org/page/35544567>
- WENZ W. 1924. — Zur Nomenklatur tertiärer Land- und Süßwassergastropoden VI. *Senckenbergiana* 6: 221-223.
- WENZ W. 1923-1930. — *Fossilium Catalogus. I: Animalia Gastropoda extramarina tertiaria*. Pars 17: 1-352 (1923); Pars 18: 353-736 (1923); Pars 20: 737-1068 (1923); Pars 21: 1069-1420 (1923); Pars 22: 1421-1734 (1923); Pars 23: 1735-1862 (1923); Pars 32: 1863-2230 (1926); Pars 38: 2231-2502 (1928); Pars 40: 2503-2886 (1929); Pars 43: 2887-3014 (1929); Pars 46: 3015-3387 (1930). <http://biodiversitylibrary.org/bibliography/61839>
- WENZ W. 1930. — Zur Nomenklatur tertiärer Land- und Süßwassergastropoden. XI. *Senckenbergiana* 12: 64-66.
- WESSELINGH F. P. ET AL. [20 additional authors] 2019. — Mollusc species from the Pontocaspian region – an expert opinion list. *ZooKeys* 827: 31-124. <https://doi.org/10.3897/zookeys.827.131365>



- WHITE T. R. & DAYRAT B. 2012. — Checklist of genus- and species-group names of the false limpets *Siphonaria* (Mollusca: Gastropoda; Euthyneura). *Zootaxa* 3538: 54-78. <https://doi.org/10.11646/zootaxa.3538.1.2>
- WILLAN R. C. 1993. — Taxonomic revision of the family Psammobiidae (Bivalvia: Tellinoidea) in the Australian and New Zealand region. *Records of the Australian Museum*, Suppl. 18: 132 p. <https://doi.org/10.3853/j.0812-7387.18.1993.53>
- WILLMANN R. 1981. — Evolution, Systematik und stratigraphische Bedeutung der neogenen Süßwassergastropoden von Rhodos und Kos/Ägäis. *Palaeontographica* Abt. A, 174: 10-235.
- WILLMANN R. & WILLMANN S. 2009. — *Shells. Muscheln. Coquillages: Conchology, or the Natural History of Sea, Freshwater, Terrestrial and Fossil Shells*. Taschen, Köln 216 p., including plates reprinted from Favanne (1780).
- WILSON B. 1993. — *Australian Marine Shells. Prosobranch Gastropods*. Part 1. Odyssey Publishing, Kallaroo, Western Australia, 408 p., 44 pls.
- WILSON B. 1994. — *Australian Marine Shells. Prosobranch Gastropods*. Vol. 2. *Neogastropods*. Odyssey Publishing, Kallaroo, Western Australia, 370 p., 52 pls.
- WILSON B. R. & STEVENSON S. E. 1977. — Cardiidae (Mollusca, Bivalvia) of Western Australia. *Western Australian Museum Special Publication* 9: 1-114.
- WONG H. W. 2009. — The Mactridae (Mollusca: Bivalvia) of East Coast Park, Singapore. *Nature in Singapore* 2: 283-296.
- WOOD S. V. See under: Edwards & Wood (1849-1861).
- WOOD S. V. 1877. — *A monograph of the Eocene bivalves of England*. Vol. 1. Supplement. Palaeontological Society, 24 p., 2 pls.
- WOODRING W. P. 1958. — William Healey Dall, August 21, 1845-March 27, 1927. *Biographical Memoir of the National Academy of Sciences* 31: 92-113 + portrait.
- WOODWARD B. B. (ed.) 1903. — *Catalogue of the Books, Manuscripts, Maps and Drawings in the British Museum (Natural History)*. Vol. 1. A-D. British Museum (Natural History), London, viii + 500 p. <https://www.biodiversitylibrary.org/page/38365862>
- WOODWARD H. B. 1894. — *The Jurassic rocks of Britain*. Vol. IV. *The Lower Oolitic rocks of England (Yorkshire excepted)*. Memoirs of the Geological Survey of the United Kingdom, London, xiv + 628 p., 2 pls. <https://www.biodiversitylibrary.org/page/50177856>
- WOODWARD S. P. 1851-1856. — *A Manual of the Mollusca; or, Rudimentary Treatise of Recent and Fossil Shells*. J. Weale, London, xvi + 486 p., frontispiece, 24 pls. Collation after Salisbury (1945). <https://doi.org/10.5962/bhl.title.155104>
- WRIGLEY A. 1934. — English Eocene and Oligocene Cassididae, with notes on the nomenclature and morphology of the family. *Proceedings of the Malacological Society of London* 21 (2): 108-130, pl. 15-17. <https://doi.org/10.1093/oxfordjournals.mollus.a064217>
- WU M. 2004. — Preliminary phylogenetic study of Bradybaenidae (Gastropoda: Stylommatophora: Helicoidea). *Malacologia* 46 (1): 79-125. <https://www.biodiversitylibrary.org/page/28112649>
- WU M. 2018. — Mollusca Gastropoda. Enoidea. *Fauna Sinica, Invertebrata* 58: i-ix + 1-282 + [2], pls 1-5.
- XU F. & ZHANG J. 2018. — Mollusca. Bivalvia. Tellinidae, Semelidae. *Fauna Sinica. Invertebrata* 57: i-viii + 1-236, pls 1-15.
- YAKOVLEV A., DANUKALOVA G., KURMANOV R. & OSIPOVA E. 2019. — Biostratigraphy of the Early Pleistocene (Eopleistocene) of the southern Fore-Urals region (Russia). *Quaternary International* 513: 124-140. <https://doi.org/10.1016/j.quaint.2018.12.024>
- YAMAGISHI M., ITO S. & KONUMA J. 2020. — Record of an albino land snail *Euhadra quaesita*. *American Malacological Bulletin* 38 (1): 60-62. <https://doi.org/10.4003/006.038.0105>
- YANIN B. T. 1980. — [Two new species of the genus *Eriphyla* from the Lower Cretaceous of the Crimea]. *Novye Vidy Drevnikh Restenii i Bespozonochnuky SSSR*, Suppl. 5: 28-30.
- YANIN B. T. & BOGDANOVA T. N. 2017. — Early Cretaceous trigoniids of the northern Caucasus. *Paleontological Journal* 51 (9): 899-972. <https://doi.org/10.1134/S0031030117090015>
- YARON I. 1979. — The Red Sea Mollusca collected by Laborde in 1828. *Levantina* 22: 248-253.
- YEN T.-C. 1939. — Die chinesischen Land- und Süßwassergastropoden des Natur-Museums Senckenberg. *Abhandlungen der Senckenbergischen Naturforschenden Gesellschaft* 444: 1-233.
- YIDI DACCRET E. A. & SARMIENTO BOSSIO V. M. 2011. — *Colombian Seashells from the Caribbean Sea*. Informatore Piceno, Ancona, 400 p.
- ZENETOS A., VARDALA-THEODOROU E. & ALEXANDRAKIS C. 2005. — Update of the marine Bivalvia Mollusca checklist in Greek waters. *Journal of the Marine Biological Association of the United Kingdom* 85 (4798): 1-6. <https://doi.org/10.1017/S0025315405012014>
- ZHANG L.-J. & VON RINTELEN T. 2021. — The neglected operculum: a revision of the opercular characters in river snails (Caenogastropoda: Viviparidae). *Journal of Molluscan Studies* 87 (2): 1-4. <https://doi.org/10.1093/mollus/eyab008>
- ZIETEN C. H. V. 1833 [1830-1833]. — *Die Versteinerungen Württembergs*. Verlag und Lithographie der Expedition des Werkes unsere Zeit, Stuttgart, [ii] + 102 p., 72 pls. [parts 1-2: p. [ii] + 1-16, pls 1-12 (1830); parts 3-4: p. 17-32, pl. 13-24 (1831); parts 5-8: p. 33-64, pl. 25-48 (1832); parts 9-12: p. 65-102, pl. 49-72 (1833)]. <https://doi.org/10.3931/e-rara-13743>
- ZILCH A. 1960 [1959-1960]. — *Gastropoda*. 2. *Euthyneura*, in Schindewolf O. H. ed., *Handbuch der Paläozoologie*. Borntraeger, Berlin, Vol. 6 (1): p. 1-200 (1959); (2): p. 201-400 (1959); (3): p. 401-600 (1960); (4): p. 601-834, i-xii (1960).
- ZILCH A. M. 1976. — Die Typen und Typoide des Natur-Museums Senckenberg, 57: Mollusca: Clausiliidae (4): Alopiniinae (2): Alopini (1). *Archiv für Molluskenkunde* 107 (4-6): 309-363, pls. 25-28.

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APPENDIX 1. — Deshayes Entries in the *Dictionnaire classique d'Histoire naturelle* 1823-1831 [DictClass]. [Many entries and several plates], in: *Dictionnaire classique d'histoire naturelle*, Vols 3-17, Rey & Gravier, Paris.

Initially based on a computer search for “D..H.”. Later a visual scan of the whole set page by page was done, filling in missing entries. All dictionary entries and plates were reviewed for new taxa, some of which were missed by Sherborn (1922-1933). The list includes various non-mollusks and some things that were then treated with the Mollusca. Most entries tagged as “Moll.” but some as “Conch.,” some as “Polyp.,” one as “Geol.,” and some as “Cirr.” and “Échin.” Many Adanson, Rafinesque, Klein and Montfort vernacular terms were included, but this repetition does not make them available. Férussac and Bory de Saint-Vincent did the molluscs in vols. 1 and 2, then Deshayes became involved; Bory did occasional molluscs after that, as did others. Deshayes’ italics does not necessarily indicate a generic taxon.

The plates were issued in 16 separate livraisons of 10 plates each, which had an “Avis” containing vernacular and scientific names. These livraisons were issued simultaneously with volumes of the text, but not necessarily corresponding with the text entries in that volume. Some figured species do not appear in the text. The plates do not have any numbers on them, and the on-plate captions were often just the vernacular names. A separate final vol. 17 was prepared in 1831 for binding all the plates in logical order, and they were then assigned numbers, but those did not appear on the plates. Volume 17 had its own preface [vii pp.] and set of pl. “explications” [141 pp.]; the “Conchifères” and “Mollusques” pl. expl. are on p. 117-123, covering pls. 76-89. In some sets, the plates were bound in logical places in the text, but, as pointed out, they were not necessarily issued with the volumes in which they are now bound. A collation of the volumes and plates was published by Evenhuis (2022).

The following is a list of the new molluscan species (and one generic misspelling) by Deshayes made available in this set and their dates. In some cases, the text was published before the plate. **Boldface** indicates the earliest date.

Final Plate (Figure) Number	Genus/Species	Plate Date	Text vol.: page/Date	P. in pl. expl. Vol. 17, 1831
83(1)	<i>Gervilia</i>		7: 338-339, <b>1825</b>	
	<i>Cypraea vittata</i>	<b>27 December 1823</b>	14: 219, 1828	120
83(2)	<i>Conus scriptus</i>	<b>27 December 1823</b>	none	120
87(2)	<i>Ampullaria virescens</i>	<b>April 1824</b>	none	122
84(3)	<i>Cyclostoma variabilis</i>	<b>September 1824</b>	5: 233-234, 1824	121
78(4)	<i>Corbula exarata</i>	April 1824	<b>4: 474, 27 December 1823</b>	118
76(4)	<i>Thracia corbuliformis</i>	<b>September 1824</b>	16: 236, 1830, as <i>T. corbuloides</i>	117, as <i>T. corbuloides</i>
80(3)	<i>Fusus serratus</i>	<b>February 1825</b>	7: 89, 1825	119
79(1)	<i>Diceras sinistra</i>	5 September 1825	<b>5: 466-467, April 1824</b>	118
77(1)	<i>Cyrena depressa</i>	5 September 1825	<b>5: 290, April 1824</b>	117
77(2)	<i>Emarginula ornata</i>	<b>5 September 1825</b>	none	118
77(4)	<i>Crassatella scutellaria</i>	<b>5 September 1825</b>	5: 33-34, 1825	118

Volume/Livraison	Deshayes Entry	Pages	Volume/Livraison	Deshayes Entry	Pages
3 – July 1823			4 – 27 December 1823 (continuation)	Clochette	220
	<i>Cerithe. Cerithium</i>	394-398		Clonisse	221
	<i>Cétocine. Cetocis</i>	418-419		Clotho. <i>Clotho</i>	223
	Charanson	479		Clous	225
	Charibe	484		Clysie. <i>Clysia</i>	237-238
	Charibde	484		Cochlohydre. <i>Cochlohydra</i>	265-267
	Chausse-Trape	509		Cochlodines. <i>Cochlodina</i>	267
4 – 27 December 1823			Codok	282	
	<i>Chrysammonte</i>	87	Coeur	295	
	<i>Chrysaore. Chrysaora</i>	89	Cofar	295-296	
	<i>Chrysole. Chrysolus</i>	97	Colimaçon	329	
	<i>Cibicide. Cibicides</i>	109	Columbelle. <i>Columbella</i>	340-341	
	<i>Cidarolle. Cidarollus</i>	119	Colonne Torse	343	
	Kimber	132	Columellaires	345-346	
	<i>Cirrhépède. Cirrhipeda</i>	158-160	Columelle. <i>Columella</i>	346	
	<i>Cirrhopodes</i>	160	Conchifère. Conchifera	364-366, fold-out	
	Cirrus	161		chart	
	Cirtodaire	162	Conchoderme. <i>Conchoderma</i>	366-367	
	Clathrus	191	Concholépas. <i>Concholepas</i>	367	
	<i>Clausilie. Clausilia</i>	192-194	Conchylie. <i>Conchilium</i>	367	
	<i>Clausilie. Clausilus</i>	194	Conchyliologie	367-379, fold-out	
	Clavagelle. <i>Clavagella</i>	194-195		charts	
	Clavicule. <i>Clavicula</i>	199	Conchytes	379	
	Cléodore. <i>Cleodora</i>	203-204	Cone. <i>Conus</i>	385-388	
	Clio. <i>Clio</i>	215-216	Conilite. <i>Conilites</i>	398	
	Clithon. <i>Clithon</i>	216			



APPENDIX 1. — Continuation.

Volume/Livraison	Deshayes Entry	Pages	Volume/Livraison	Deshayes Entry	Pages		
4 – 27 December 1823 (continuation)	Conivale	400	5 – April 1824 (continuation)	Cyprine. <i>Cyprina</i>	281-282		
	Conotrochites	408		Cyrène. <i>Cyrena</i>	288-291		
	Conovalve. <i>Conovalvus</i>	408		Cythérée. <i>Cytherea</i>	199-301		
	Conovule. <i>Conovula</i>	408		Daphnes	328		
	Conque	408-409		Dattes	340		
	Cotre-Unique	411		Dauphinule. <i>Delphinula</i>	363-365		
	Coquillage	431		Degon	383-384		
	Coquille	431-449		Dentales fossiles	418-419		
	Coracias/Coracites	450		Dents	422		
	Corbeille. <i>Corbis</i>	471-472		Dianchora	454		
	Corbicule. <i>Corbicula</i>	472		Dicérate. <i>Diceras</i> .	465-467		
	Corbule. <i>Corbula</i>	473-474		Dip	526		
	Corbulées	474-475		Diphyllide. <i>Diphylidia</i>	527-528		
	Corne. <i>Cornea</i>	492		Discine. <i>Discina</i>	548		
	Corne d'abondance	493		Discoïdes	549		
	Corne D'ammon	493		Discolite. <i>Discolites</i>	549-550		
	Cornet, Cornette	497		Discorbe, Discorbite	550-551		
	Cornet de Postillon,	497		Dissivalve	556		
	Cornet de Saint-Hubert,			Dofau	575		
	Cornet Chambré			Dolabelle. <i>Dolabella</i>	577-579		
	Cornucopie	500		Donace. <i>Donax</i>	588-592		
	Cornuhammonis	500		Doride. <i>Doridium</i>	595		
	Corondule. <i>Coronula</i>	506-508		Doris. <i>Doris</i>	597-599		
	Coronulides. <i>Coronulidea</i>	508		Doté. <i>Dotó</i>	606		
	Cortale. <i>Cortalus</i>	513		Drap	613-614		
	Cotau	537		Drogon	619		
	Coupet	593		Duchon	635		
	Covet	627					
	5 – April 1824				6 – September 1824		
		Cranchie. <i>Cranchia</i>		11	Eburne. <i>Eburna</i>	16	
		Cranie. <i>Crania</i>		20-21	Echidne. <i>Echidnis</i>	25	
		Craniolaris		21	Echinoderma	34	
		Cranium		22	Echinophore	40	
		Crapaud		30	Éclair	53	
		Craspedarium		31	Écriture	63	
	Crassatelle. <i>Crassatella</i>	33-34	Ecusson	75			
	Crassatelles	34	Egéone. <i>Egeon</i>	79-80			
	Crassine. <i>Crassina</i>	34	Égérie. <i>Egeria</i>	80			
	Cravan	39	Eleodon	111			
	Crénatule. <i>Crenatula</i>	49-50	Ellipsolithé. <i>Ellipsolithes</i>	127			
	Crépidule. <i>Crepidula</i>	52-53	Ellipsostomes. <i>Elliposostomata</i>	127			
	Crête de Coq	57	Elphide. <i>Elphidium</i>	131-132			
	Creusie. <i>Creusia</i>	58	Emarginule. <i>Emarginula</i>	138			
	Cricomphalos	60	Enfermés	165			
	Cricostome	60	Entale. <i>Entalium</i>	176			
	Cricostomes	60-61	Eolide. <i>Eolis</i>	195-196			
	Criope. <i>Criopus</i>	70	Eolides. <i>Eolides</i>	196-197			
	Criopoderme. <i>Cripodermon</i>	70-71	Épaulée	199			
	Cristellaire. <i>Cristellana</i>	94-95	Eperon. <i>Calcar</i>	205			
	Cryptodibraches	155	Epiphragme	229			
	Cryptoplax	161	Erodone. <i>Erodona</i>	273			
	Cryptostome. <i>Cryptostoma</i>	162-163	Erycine. <i>Erycina</i>	298-299			
	Cténite	164	Ethérie. <i>Etheria</i>	324-325			
	Cténoïde	164	Evomphale. <i>Evomphalus</i>	374			
	Cucullée. <i>Cucullaea</i>	170-171	Fagan	389			
	Cuiller, Cuiller-a-Pot	176	Faisan	395			
	Cuiller d'Ivoire	176	Falier	397			
	Cuneus	188	Fasciolaire. <i>Fasciolaria</i>	403-404			
	Cyclade. <i>Cyclas</i>	219-220	Fasin	404-405			
	Cyclobranches	224	Fatan	405			
	Cyclope. <i>Cyclops</i>	226	Faval	437			
	Cyclophore. <i>Cyclophorus</i>	229	Firole. <i>Pterotrachea</i>	512-513			
	Cyclostome. <i>Cyclostoma</i>	232-234	Firoléide. <i>Firoléida</i>	513			
	Cylindre. <i>Cylindrus</i>	236	Fissurelle. <i>Fissurella</i>	515-517			
	Cylindrite	237	Fistulane. <i>Fistulana</i>	519-523			
	Cymbe. <i>Cymbium</i>	238					
	Cymbulie. <i>Cymbulia</i>	240					
	Cypicarde. <i>Cypicardia</i>	272-273					

## APPENDIX 1. — Continuation.

Volume/Livraison	Deshayes Entry	Pages	Volume/Livraison	Deshayes Entry	Pages
7 – February 1825	Fripiér. <i>Phorrus</i>	43-44	8 – 10 September 1825 (continuation)	Hiatelle. <i>Hiatella</i>	194
	Fripière	44		Hibolithe. <i>Hibolithes</i>	195-196
	Fulgur	76		Hinnite. <i>Hinnites</i>	200-201
	Fuseau. <i>Fusus</i>	87-89		Hippocrène. <i>Hippocrenes</i>	211
	Gadin	97		Hipponice. <i>Hipponix</i>	213-214
	Galathée. <i>Galathea</i>	111-112		Hippope. <i>Hippopus</i>	214-215
	Galea	114		Hippurite. <i>Hippuris</i>	227-229
	Gallinula	134		Hortole. <i>Hortolus</i>	357-358
	Garagoi	148		Houlette. <i>Pedum</i>	370-371
	Gastéropodes, Gastropodes	156-157		Huitre. <i>Ostrea</i>	383-390
	Gastrochène. <i>Gastrochaena</i>	162-163		Hyale. <i>Hyalea</i>	398-400
	Gehydrophile	184		Hybromanes	447
	Geophiles	309		Hypoderma	472
	Geophone. <i>Geophonus</i>	309-310		Hypogée. <i>Hypogea</i>	473
	Gervilie. <i>Gervilia</i>	338-339		Hyptère	480
	Gésier	340		Hypogée. <i>Hyria</i>	481
	Gibbe. <i>Gibbus</i>	345		Ibère. <i>Iberus</i>	486
	Gibecièrre	346		Ichthyosarcolite.	499-501
	Gioenia	353		<i>Ichthyosarcolites</i>	
	Girol	358		Impressions musculaires	522
	Giton	361		Indusie	534
	Gival	361		Inocérame. <i>Inoceramus</i>	538-539
	Gladius	362			
	Glandiole. <i>Glandiolus</i>	365		9 – 25 February 1826	
	Glans	366		Iridine. <i>Iridina</i>	17
	Glaucus	370		Isocarde. <i>Isocardia</i>	28-29
	Glauiques	372		Jabet	45
	Globosite	376		Jagon	58
	Gloire de Mer. <i>Gloria maris</i>	379		Jamar	59
	Glossoderme	381		Jambonneau	60
	Glycimère. <i>Glycimeris</i>	390		Janthine. <i>Janthina</i>	62-64
	Gondole	427		Jataron. <i>Jataronus</i>	79
	Goumier	450-451		Jatou	79
	Grain d'Avoine	454		Jelin	81
	Grenaille. <i>Chondrus</i>	491		Jenac	81
	Grenouille	500		Jeson	81
	Grenouillette	500		Jodamie	82
	Grimace	509		Jol	83
	Grimace blanche	509		Jouret	88
	Grimace gaufrée	509		Julan	91
	Grive	516			
	Guron	597		Kalan	102
	Gutturnium	600		Kalison	103
		Kambeul	105		
		Kisit	128-129		
8 – 10 September 1825					
Haliotide. <i>Haliotis</i>	18-20	Labaria	145		
Hamite. <i>Hamites</i>	29-30	Labio	149		
Harpax	53	Lagar	161		
Harpe. <i>Harpa</i>	54-55	Lagena	162		
Haume. <i>Morio</i>	56-57	Lagénule. <i>Lagenula</i>	162-163		
Helcion. <i>Helcion</i>	68	Lambis	182		
Hélénide. <i>Helenis</i>	68-69	Lamellibranches	183		
Hélice. <i>Helix</i>	74-89	Lampadie. <i>Lampas</i>	195		
Hélicelle. <i>Helicella</i>	89	Lampas	195		
Hélicine. <i>Helicina</i>	91-92	Laniogère. <i>Laniogerus</i>	215		
Hélicodonte. <i>Helicodonta</i>	92	Latire. <i>Latirus</i>	236		
Hélicogène. <i>Helicogena</i>	92	Lenticulaires, Pierres lenticulaires	276		
Hélcoïdes. <i>Helcoïdes</i>	92-93	Lenticulle. <i>Leinticulite</i>	277		
Hélicolimace. <i>Helicolimax</i>	93	Lentigo	277		
Helicophante. <i>Helicophanta</i>	95-96	Lichénopore. <i>Lichertopora</i>	359-360		
Hélicitères	97	Licorne. <i>Monoceros</i>	375-376		
Héliomanes	98	Ligament	386		
Helixarion. <i>Helixarion</i>	103	Ligar	387		
Hémicarde. <i>Hemicardia</i>	120	Ligule. <i>Ligula</i>	399-400		
Hémicyclostomes. <i>Hemicyclostoma</i>	120	Limace. <i>Limax</i>	404-410		
Hercole. <i>Hercoles</i>	147	Limacelle. <i>Limacella</i>	410-411		
Hérione. <i>Herion</i>	148	Limaciens	411		
Hermès. <i>Hermes</i>	157				



APPENDIX 1. — Continuation.

Volume/Livraison	Deshayes Entry	Pages	Volume/Livraison	Deshayes Entry	Pages
9 – 25 February 1826 (continuation)	Limacine. <i>Limacina</i>	411	10 – June 1826 (continuation)	Marteau. <i>Malleus</i>	216-217
	Limacinès. <i>Limacina</i>	411-412		Martisia	236-237
	Limaçon	412		Masier	240
	Lime. <i>Lima</i>	413-415		Masque. <i>Persona</i>	240
	Limnacés	416		Matadoa	245-246
	Limnaea	418		Mater perlarum	246
	Limnée. <i>Limnea</i>	418-421		Mazza	290
	Limnéens	421-422		Megarima	308
	Limnium	422		Mélampe. <i>Melanpus</i>	312
	Linguelle. <i>Linguella</i>	437		Mélanides <i>Melanides</i>	318
	Lingule. <i>Lingula</i>	437-439		Mélanie. <i>Melania</i>	318-320
	Linthurie. <i>Linthutris</i>	441		Mélaniens	320
	Lipin	446		Mélanopside. <i>Melanopsis</i>	322-324
	Lippises. <i>Lippistes</i>	447		Mélas. <i>Melas</i>	327
	Liri	448		Méléagre. <i>Meleagris</i>	331
	Lisor	456		Méléagrine. <i>Meleagrina</i>	331
	Lispe	456		Mélonie. <i>Melonia</i>	350-352
	Listronite	457-458		Mélonie. <i>Melonis</i>	352
	Lithodome. <i>Lithodomus</i>	460		Memnonite	360
	Lithophages. <i>Lithophagus</i>	461-462		Mérétrice. <i>Meretrix</i>	424
	Littorine. <i>Littorina</i>	465		Mesal	448-449
	Lituacées. <i>Lituaceae</i>	465-466		Mésomphix	458
	Lituïte. <i>Lithuites</i>	466		Mesomyones. <i>Mesomyona</i>	458
	Lituole. <i>Lituola</i>	466-467		Métaptère. <i>Metaptera</i>	475
	Lituolées	467		Miga	550
	Lituolite. <i>Lituolites</i>	467		Miliole. <i>Miliola</i>	555-556
	Loman	485		Miliolite. <i>Miliolites</i>	556-557
	Lonier	492		Millèpes	561
	Lophyre. <i>Lophynis</i>	498		Minaret. <i>Turris</i>	572-573
	Loripède. <i>Loripes</i>	508		Minjac	628
	Loset	510		Misile. <i>Misilus</i>	632
	Lotoire. <i>Lotorium</i>	512		Mitelle. <i>Mitella</i>	635
	Lucine. <i>Lucina</i>	528-531		Mitre. <i>Mitra</i>	638-640
Lulat	535				
Lunot	542	11 – January 1827			
Lunule. <i>Lunula</i>	542	Modiole. <i>Modiola</i>	3-5		
Lupon	545	Molan	11		
Lutraire. <i>Lutrarina</i>	546-547	Molette	13		
Lycophils	557	Mollusques. <i>Mollusca</i>	16-73, 4 fold- out tables (after p. 32)		
Lymnaea	573				
10 – June 1826					
	Maclurite. <i>Maclurites</i>	3	Molosse. <i>Molossus</i>	74	
	Macroдите. <i>Macrodités</i>	10	Monoconcha	94	
	Macrostomes. <i>Macrostoma</i>	14	Monodactylus	97	
	Mactra	16	Monodonte. <i>Monodonia</i>	97	
	Mactracées	16	Monomyaires	99	
	Mactre. <i>Mactra</i>	16-17	Monophore. <i>Monophora</i>	99-100	
	Mafan	21	Monopleurobranchies.	100	
	Magas. <i>Magas</i>	21	<i>Monopleurobranchiata</i>		
	Magile. <i>Magilus</i>	21-22	Monothalame	102	
	Maillot. <i>Pupa</i>	38-39	Morille	206	
	Majat	44	Morio	209	
	Malacentozaïres.	48	Mouret	245	
	<i>Malacentozeria</i>		Moussole	254	
	Malacozaïres. <i>Malacozoaria</i>	50	Movin	270	
	Maladoa	50	Mulette. <i>Unio</i>	289-293	
	Malentozaïres. <i>Malentozoaria</i>	54	Mullérie. <i>Mulleria</i>	296-297	
	Malleacées	56	Multiloculaire	297	
	Mamelon	62	Multivalves. <i>Multivalvia</i>	297	
	Mamma	62	Murex	307	
	Manteau	148-149	Muscade	329	
	Mantelet	150	Mutel	339	
	Mappemonde	155	Myaires	344	
	Margaritacés. <i>Margaritacea</i>	175	Mye. <i>Mya</i>	353-356	
	Margarite. <i>Margarita</i>	175-176	Mytilacés. <i>Mytilacea</i>	411-412	
	Margaritites	176	Mytiloïde. <i>Mytiloides</i>	412	
	Marginelle. <i>Marginella</i>	177-178	Mytulites. <i>Mytulites</i>	412	
	Marnat	187	Nacre	419-420	
	Marsyas	207			

## APPENDIX 1. — Continuation.

Volume/Livraison	Deshayes Entry	Pages	Volume/Livraison	Deshayes Entry	Pages
11 – January 1827 (continuation)	Narel	438	12 – 18 August 1827 (continuation)	Operculine. <i>Operculina</i>	231
	Nassa	445		Opiptère. <i>Opipterus</i>	247
	Nasse. <i>Nassa</i>	447-449		Opis	247-248
	Natrice. <i>Natica</i>	452-455		Orbicule. <i>Orbicula</i>	296-298
	Nautellipsites	460		Orbiculine. <i>Orbiculina</i>	298
	Nautilacées	460-461		Orbulite. <i>Orbulites</i>	299-300
	Nautilé. <i>Nautilus</i>	461-467		Oréade. <i>Oreas</i>	310
	Nautilier	467		Oreille. <i>Oreillon</i>	330
	Nautilite. <i>Nautilites</i>	467		Orpheline	417
	Nautilophores. <i>Nautilophora</i>	467		Orthocéracées. <i>Orthoceracea</i>	421
	Nautilus	467		Orthocérates. <i>Orthocerata</i>	422-423
	Navet	468		Orthocératiie. <i>Orthoceratites</i>	423-424
	Navette. <i>Radius</i>	468		Orthocère. <i>Orthocera</i>	424
	Navicelle. <i>Navicella</i>	468-472		Orthocérés. <i>Orthocerata</i>	424-425
	Navicule. <i>Navicula</i>	472		Os de Sèche	445
	Nayades	475-477		Oscabrelle. <i>Chitonellus</i>	446
	Nectopodes. <i>Nectopoda</i>	485		Oscabrion. <i>Chiton</i>	447-457
	Nérinée. <i>Nerinea</i>	534-535		Oscane. <i>Oscanus</i>	457
	Nerita	537-538		Ostracées. <i>Ostracea</i>	497-498
	Néritacées. <i>Neritacaea</i>	538		Otidés. <i>Otidea</i>	506
	Nérite. <i>Nerita</i>	538-540		Otion. <i>Otion</i>	507-508
	Néritine. <i>Neritina</i>	540-541		Ovoides. <i>Ovatae</i>	543
	Neritostoma	541		Ovule. <i>Ovula</i>	543-545
	Nicania	555		Oxigoines. <i>Oxigona</i>	555
	Niduli testacei	562		Oxinoe. <i>Oxinoe</i>	555
	Nifat	563		Oxisma	555
	Nivar	576		Oxystomes. <i>Oxystomae</i>	567
	Noctua	577		Oxytrème. <i>Oxytrema</i>	569
	Nodosaire. <i>Nodosaria</i>	581-584			
	Nogrobe	585		Pachymye. <i>Pachymya</i>	581
	Nonionine. <i>Nonionina</i>	591-592		Pachyte. <i>Pachytos</i>	585-586
Nonpareille	592	Paclite. <i>Paclites</i>	586		
Notarchie. <i>Notarchus</i>	600-601	Padolle. <i>Padoilus</i>	591		
Noyau d'Olive	611	Pakel	601		
		Palliobranches	618		
		Paludine. <i>Paludina</i>	628-630		
		Palmet	631		
12 – 18 August 1827					
	Nubécule	1	13 – January 1828	Pandore. <i>Pandora</i>	9-10
	Nubéculaire. <i>Nubecularia</i>	1		Panopée. <i>Panopea</i>	21-22
	Nucléobranches.	1-2		Paracéphalophores.	43
	<i>Nucléobranchiata</i>			<i>Paracephalophora</i>	
	Nucleus	2		Paramondra	54
	Nucule. <i>Nucula</i>	2-3		Parasol Chinois	58
	Nudibranches. <i>Nudibranchia</i>	4		Parmacelle. <i>Parmacella</i>	69-71
	Nudilimaces. <i>Nudilimaces</i>	4-5		Parmophore. <i>Parmophorus</i>	74-75
	Nummismales	7		Partule. <i>Partula</i>	85
	Nomulacées. <i>Nummulacea</i>	7		Patelle. <i>Patella</i>	102-106
	Nummuline. <i>Nummulina</i>	7-11		Patelloïdes. <i>Patelloidea</i>	106
	Nummulite. <i>Nummulites</i>	11		Patrocle. <i>Patrocles</i>	109
	Nusar	12		Pavois. <i>Scutus</i>	116
	Nymphacées	26-27		Pavonine. <i>Pavonina</i>	118
				Pavonite	118
	Obliquaire. <i>Obliquaria</i>	42		Paxiodonte. <i>Paxiodonta</i>	120
	Océanie. <i>Oceanus</i>	45		Peau.	122-123
	Octopodes. <i>Octopodae</i>	55-56		Pectinibranches.	125
	Ocythoe. <i>Ocythoe</i>	60		<i>Pectinibranchia</i>	
	Odotropis	71		Pectinides. <i>Pectinides</i>	125
	Olearia	167		Pédifères. <i>Pedifera</i>	133-134
	Olivaire. <i>Olivaria</i>	173		Pédoncules. <i>Pedunculala</i>	137
	Olive. <i>Oliva</i>	173-177		Peigne. <i>Pecten</i>	141-144
	Ombilic ... dans les mollusques	193		Pélaguse. <i>Pelagus</i>	147
	Ombrelle. <i>Umbrella</i>	195-198		Pélerine	155
	Omphalie. <i>Omphalia</i>	202		Pelleron. <i>Basilus</i>	161
	Omphemies	204		Pélоре. <i>Pelorus</i>	164
	Omphiscole	204		Péloronte. <i>Pelorontes</i>	164
	Onchidie. <i>Onchidium</i>	207-207		Pelotte de Beurre	165
	Onchidore. <i>Onchidoris</i>	207-208		Peltocochlides	167
	Onguline. <i>Ungulina</i>	211-212		Pelure d'Oignon	169
	Onychite. <i>Onychia</i>	223			
	Onychoteuthe. <i>Onychoteuthis</i>	223-224			
	Opercule. <i>Operculum</i>	231			



APPENDIX 1. — Continuation.

Volume/Livraison	Deshayes Entry	Pages	Volume/Livraison	Deshayes Entry	Pages	
13 – January 1828 (continuation)	Pénérople. <i>Peneroplis</i>	175	14 – September 1828 (continuation)	Planulaire. <i>Planularia</i>	20-21	
	Pentalasmie. <i>Pentalasmis</i>	182		Planulite. <i>Planulites</i>	21	
	Pentamère. <i>Penlamemus</i>	183		Platystome. <i>Platystoma</i>	43	
	Perdrix. <i>Perdix</i>	220		Plectrophore. <i>Plectrophorus</i>	47-48	
	Péribole. <i>Peribolus</i>	223		Pleurobème. <i>Pleurobema</i>	53-54	
	Périphe. <i>Periples</i>	230		Pleurobranche. <i>Pleurobranchus</i>	54-55	
	Péristellées	232		Pleurobranchide.	55-57	
	Péristomiens. <i>Peristomida</i>	232		<i>Pleurubranichidium</i>		
	Perne. <i>Perna</i>	237-238		Pleurobranchie. <i>Pleurobranchia</i>	57	
	Péronie. <i>Peronia</i>	240-241		Pleurocère. <i>Pleurocera</i>	57	
	Perron. <i>Perronium</i>	245		Pleuronectite	59	
	Persicule. <i>Persicula</i>	275		Pleurotomaire. <i>Pleurotomaria</i>	61-62	
	Perspective	277		Pleurotome. <i>Pleurotoma</i>	62-63	
	Pétoncle. <i>Pectunculus</i>	293-294		Plicatule. <i>Plicatula</i>	64-65	
	Pétricole. <i>Petricola</i>	298-300		Pneumoderme. <i>Pneumodema</i>	88-90	
	Pétrification	300-301		Podopside. <i>Podopsis</i>	100-102	
	Pétrifore. <i>Petrifora</i>	301		Pogonopodes. <i>Pogonopoda</i>	111	
	Phacoides	321		Pointes d'Oursins	116	
	Phanérogames. <i>Phanerogama</i>	348		Polidontes. <i>Polidontes</i>	134	
	Pharame. <i>Pharamum</i>	349		Polinice. <i>Polinices</i>	134	
	Phasianelle. <i>Phasianella</i>	353-354		Polixène. <i>Polixenus</i>	136	
	Philin	377		Pollicipède. <i>Pollicipeda</i>	140	
	Philomique	379		Pollonthe. <i>Pollonthes</i>	141	
	Phiole	383		Polybranches. <i>Polybranchiata</i>	144	
	Pholadaires. <i>Pholadariae</i>	392-393		Polycère. <i>Polycea</i>	145-146	
	Pholade. <i>Pholas</i>	393-296		Polycline. <i>Polyclinum</i>	146	
	Pholadidoïde. <i>Pholadidoïdes</i>	396		Polyconques. <i>Polyconchacea</i>	147	
	Pholadomye. <i>Pholadomya</i>	396-397		Polycycliques. <i>Polycyclica</i>	147	
	Phonème. <i>Phonemus</i>	399		Polydonte. <i>Polydonta</i>	148-149	
	Phos	429		Polyginglyme	152	
	Phyllidie. <i>Phyllidia</i>	451-453		Polygone. <i>Polygonum</i>	153	
	Phyllidiens	453		Polygyre. <i>Polygyra</i>	154	
	Phylliroé. <i>Phylliroe</i>	455-457		Polylèpe. <i>Polylepa</i>	154-155	
	Phyllobranches. <i>Phyllobranchia</i>	458		Polymorphes. <i>Polymorpha</i>	157	
	Phyllode. <i>Phyllode</i>	459		Polyodontes	160	
	Phyllopode. <i>Phyllopoda</i>	462		Poltyphème. <i>Polyphemus</i>	184	
	Physe. <i>Physa</i>	470-471		Polyplacophores.	187	
	Phythie. <i>Phythia</i>	476		<i>Polyplacophora</i>		
	Phytiphages	476		Polyplaxiphores. <i>Polyplaxiphora</i>	187	
	Piétin. <i>Pedipes</i>	543-544		Porcelaine. <i>Cypraea</i>	217-220	
	Pigeon	564		Potamophile. <i>Potamophila</i>	238	
	Pila	565		Poulpe. <i>Octopus</i>	249-253	
	Piléiformes. <i>Pileiformia</i>	566-567		Procéphales. <i>Procephala</i>	286	
	Piléole. <i>Pileolus</i>	567-568		Proto	306-307	
	Pileopsis	568		Psammobie. <i>Psammobia</i>	312-313	
	Pinne. <i>Pinna</i>	603-606		Psammocole. <i>Psammocola</i>	313	
	Pinnigène. <i>Pinnigena</i>	606		Psammotée. <i>Psammotea</i>	314	
	Pinnite	606		Psilosomes. <i>Psilosomata</i>	322	
	Pintadine. <i>Meleagrina</i>	609		Ptérocère. <i>Pterocera</i>	341-343	
	Piraze. <i>Pyrazus</i>	619		Ptérodibranches.	345-346	
	Pirène. <i>Pirena</i>	620		<i>Pterodibranchiata</i>		
	Pirgo. <i>Pyrgo</i>	620		Ptéropodes. <i>Pteropoda</i>	349-351	
	Pirgopole. <i>Pyrgopolon</i>	620		Pterotracha	354	
	Pisidium	626		Ptérygiens. <i>Pterygia</i>	354-355	
	Pisum	639		Pugiline	366	
	Pitar	639		Pulmbranches.	366	
	Pitonille. <i>Pitnollus</i>	641		<i>Pulmbranchiata</i>		
	14 – September 1828	Placentule. <i>Placentula</i>		1	Pulmonés. <i>Pulmonea</i>	367-368
		Placune. <i>Placuna</i>		3-5	Pulvinite. <i>Pulvinites</i>	369
Plagimyones. <i>Plagimyona</i>		6	Pygobranche. <i>Pygobranchia</i>	378		
Plagirole. <i>Plagiola</i>		6	Pyloridés. <i>Pyloridea</i>	379		
Plagiostome. <i>Plagiostoma</i>		6-8	Pyramidelle. <i>Pyramidella</i>	380-381		
Plagimyones		9	Pyraze. <i>Pyrazus</i>	382		
Planaxe. <i>Planaxis</i>		12-13	Pyrène. <i>Pyrena</i>	383		
Planite. <i>Planites</i>		15	Pyrgo	385-386		
Planorbe. <i>Planorbis</i>		15-17	Pyrgome. <i>Pyrgoma</i>	386		
Planorbuline. <i>Planorbulina</i>		18	Pyrosome. <i>Pyrosoma</i>	389-390		
Planulaces. <i>Planulacea</i>		20	Pyrule. <i>Pyrula</i>	396-397		
			Pythie. <i>Pythia</i>	398		

## APPENDIX 1. — Continuation.

Volume/Livraison	Deshayes Entry	Pages	Volume/Livraison	Deshayes Entry	Pages
14 – September 1828 (continuation)	Radiolées	441	15 – May 1829 (continuation)	Scutibranches. <i>Scutibranchia</i>	299-300
	Radiolite. <i>Radiolites</i>	441		Scutiformes. <i>Scutiformia</i>	300
	Radis. <i>Radix</i>	441		Scyllée. <i>Scyllaea</i>	306-308
	Rafel	442		Sèche. <i>Sepia</i>	317-328
	Ranelle. <i>Ranella</i>	462-463		Seiche	338
	Rapanus	465		Sélot	346
	Raphanistre. <i>Raphanister</i>	468		Semi-Cassis	354
	Rastellum, <i>Rastellite</i>	473		Semi-Cornu	354
	Réceptaculite. <i>Receptaculites</i>	486		Seminautilus	354
	Renuline, Renulite. <i>Renulina</i>	508		Sénodite. <i>Senodites</i>	359
	Réophage. <i>Reophax</i>	508		Sepiaephora	361
	Retan	538		Sepiidées. <i>Sepiidae</i>	361
	Rétifères. <i>Retifera</i>	540		Sepiolidées. <i>Sepiolidae</i>	362
	Rhabdite. <i>Rhabdites</i>	543		Sepioteuthe. <i>Sepioteuthis</i>	362
	Rhincolite. <i>Rhincolites</i>	553		Septaire. <i>Septaria</i>	363-365
	Rhinocure <i>Rhinocurus</i>	561		Séraphe. <i>Seraps</i>	364-365
	Rhizore. <i>Rhizorus</i>	572		Séribranches. <i>Seribranchia</i>	366
	Rhombe. <i>Rhombus</i>	577		Serpentulus	381
	Rhomboïde. <i>Rhomboides</i>	578-579		Siame-Blanc	411
	Rhynchonelle. <i>Rhynchonella</i>	584		Siamoise	411
	Ricinule. <i>Ricinula</i>	616-617		Sidérolite. <i>Siderolina</i>	414-416
	Rifet	619		Sidérolite. <i>Siderolites</i>	416
	Rimulaire, <i>Rimule</i>	619-620		Sigaret. <i>Sigaretus</i>	419-421
	Rimuline. <i>Rimulina</i>	620		Silus	437
	Rissoaire. <i>Rissoaria</i>	622		Simeri	439
	Rivurales	623		Simplegades. <i>Simplegades</i>	439
	Robot	626		Simpulum	440
	Robule. <i>Robulus</i>	628		Sintoxie. <i>Sintoxia</i>	451
	Robuline. <i>Robulina</i>	628-629		Sipho	452
	Rocher. <i>Murex</i>	632-636		Siphonaire. <i>Siphonaria</i>	452-454
	Rojel	648		Siphoinifère	455-456
	Ropan	660		Siphonobranches.	456
	Rosaline. <i>Rosalina</i>	667		<i>Siphonobranchiata</i>	
	Rostellaire. <i>Rostellaria</i>	676-677		Siphonostomes.	456
	Rotondaire. <i>Rolundaria</i>	686		<i>Siphonostomata</i>	
	Rotulaire. <i>Rotularia</i>	688		Sirat	459
	Roulette. <i>Rotella</i>	691-692		Sistre. <i>Sistrum</i>	461
				Solarium. <i>Cadran</i>	479-480
				Solat	480-481
				Soldanie. <i>Soldania</i>	481-482
				Sole	482
				Solecurte. <i>Solecurtus</i>	482-483
				Soleil	483
				Solémye. <i>Solemya</i>	483-484
				Solen. <i>Solen</i>	484-486
		Solénacées	486-487		
		Solenides. <i>Solenidae</i>	487-488		
		Soletelline. <i>Soletellina</i>	488-489		
		Soni	492		
		Soui	508		
		Souris	518		
		Sphaera	537		
		Sphéroidine. <i>Sphaeroidina</i>	552-553		
		Sphérulite. <i>Sphaerulites</i>	556-561		
		Sphinctérule	562		
		Spincterule. <i>Spinterules</i>	572		
		Spiratelle. <i>Spiratella</i>	576-577		
		Spirifère. <i>Spirifer</i>	579		
		Spiroline. <i>Spirolina</i>	579-580		
		Spiroloculine. <i>Spiroloculina</i>	580-581		
		Spirule. <i>Spirula</i>	583-585		
		Spirulees. <i>Spirulaea</i>	585		
		Spondyle. <i>Spondylus</i>	587-588		
		Spondyloite	589		
		Spondylolite	589		
		Sporulie. <i>Sporilus</i>	593		
		Staron	620		
		Stella	625		
		Sténostrême. <i>Stenostrema</i>	639		
15 – May 1829	Ruban. <i>Liguus</i>	2			
	Rudistes	9-11			
	Rudolphe. <i>Rudolphus</i>	11			
	Rupicole. <i>Rupicola</i>	19			
	Sabot	37			
	Saburon	38			
	Saccophora	41			
	Sagottelle. <i>Sagitella</i>	48			
	Salpa	80-85			
	Samier	94			
	Sandale	96			
	Sanguinolaire. <i>Sanguinolaria</i>	124-125			
	Sarcoptère. <i>Sarcoptera</i>	167			
	Sari	172			
	Satal	178			
	Saxicave. <i>Saxicava</i>	202-204			
	Scala	209			
	Scalaire. <i>Scalaria</i>	209-211			
	Scalariens	211			
	Scalpelle. <i>Scalpellum</i>	213			
	Scandbecc	213			
	Scapha	214			
	Scaphandre. <i>Scaphander</i>	214			
	Scaphite. <i>Scaphites</i>	215-216			
	Scarabe. <i>Scarabus</i>	217-219			
	Schismatobranchia	236			
	Scissurelle. <i>Scissurella</i>	264			
	Scortime. <i>Scortimus</i>	290			
	Scrobiculaire. <i>Scrobicularia</i>	294			
	Scutellites	299			



APPENDIX 1. — Continuation.

Volume/Livraison	Deshayes Entry	Pages	Volume/Livraison	Deshayes Entry	Pages	
15 – May 1829 (continuation)	Stichostègues	649	16 – 30 October 1830 (continuation)	Toxotrème. <i>Toxotrema</i>	322	
	Stomatacées	666		Trachélipodes	326	
	Stomate. <i>Stomatia</i>	666-667		Trapeze. <i>Trapezium</i>	334	
	Stomatelle. <i>Stomatella</i>	667		Thémésie. <i>Tremesia</i>	342	
	Stomatopterophora	669		Tribulus	347	
	Storille. <i>Storilus</i>	671		Tribulus-Rostratus	348	
	Strigocéphale	678		Trichite. <i>Trichites</i>	353-354	
	Strombe. <i>Strombus</i>	679-681		Tricole. <i>Tricolia</i>	364	
	Strophite. <i>Strophitus</i>	687		Tridacne. <i>Tridacna</i>	366-367	
	Strophomène. <i>Strophomena</i>	687		Tridacnées	367	
	Strophostome. <i>Strophostoma</i>	687-688		Tridacnites. <i>Tridacnitus</i>	368	
	Struthiolaire. <i>Strutholaria</i>	689-690		Trigonie. <i>Trigonia</i>	373-374	
	Sublmytilacés. <i>Submytilacea</i>	701		Trigonime. <i>Trigonima</i>	374	
	Subostracés. <i>Subostracea</i>	701		Triloculine. <i>Triluculina</i>	380	
	Subulés. <i>Subulata</i>	702		Triphore. <i>Triphoris</i>	385	
	Suga	706-707		Triquetra	390	
	Sulin	708		Triquète	390	
	Sumet	709-710		Tristome. <i>Tristoma</i>	392	
	16 – 30 October 1830	Tadin		13	Triton. <i>Triton</i>	394-395
		Tafon		14	Tritonie. <i>Tritonia</i>	395-396
Tagal		14	Tritoniens	396-397		
Tapis. <i>Tapes</i>		53	Trochite	399		
Tapis de Perse		53	Trocho-Cochlea	399		
Taras		54	Trocho-Conus	399		
Taret. <i>Teredo</i>		56-58	Trochoides. <i>Trochoida</i>	399		
Tarier		58	Trochuline. <i>Trochulina</i>	399		
Tarrière. <i>Terebellum</i>		59-60	Trochus-Rostratus	399		
Tectaire		83	Troncatuline. <i>Truncatulina</i>	403-404		
Tectibranches. <i>Tectibranchia</i>		83	Troncille. <i>Truncilla</i>	404-405		
Téléboite. <i>Telebois</i>		88	Trophone. <i>Trophon</i>	405		
Télescope. <i>Telescopium</i>		91	Troque. <i>Trochus</i>	406-408		
Telline. <i>Tellina</i>		92-93	Tubicolées	420-421		
Tellinide. <i>Tellinides</i>		93	Tubispirantia	424		
Terebellum		119	Tubuli, Tubulites	425		
Térébratule. <i>Terebratula</i>		121-124	Tudes-Polonica	426		
Térédine. <i>Teredina</i>		124-126	Tulat	427-428		
Tergipéde. <i>Tergipes</i>		127	Tulaxode	428		
Tesan		177	Turban	433-434		
Testacelle. <i>Testacella</i>		178-179	Turbicines. <i>Turbicina</i>	434		
Testacés		179	Turbinacés	434		
Téthie, Thétye, Thétyle, Théthye		182-183	Turbinelle. <i>Turbinella</i>	434-435		
Tethys. <i>Tethys</i>		183-184	Turbinés. <i>Turbinata</i>	435-436		
Tétracères. <i>Tetracerata</i>		184-185	Turbo	436-438		
Textulaire. <i>Textularia</i>		200-201	Turbo Lunaris	438		
Thalamdle. <i>Thalamus</i>		203	Turbonille. <i>Turbonilla</i>	438		
Thalides		204-205	Turriculacés. <i>Turriculaceae</i>	444		
Thalie. <i>Tialia</i>		205	Turrilite. <i>Turrillites</i>	444		
Thécodée. <i>Thecidea</i>		215-216	Turrite. <i>Turrita</i>	444		
Thema-Musicum		221	Turritelle. <i>Turritella</i>	444-445		
Théméone. <i>Themon</i>		222	Turrite. <i>Turrita</i>	445		
Théodoxe		224	Turritelle. <i>Turritella</i>	445-446		
Thracie. Thracia		235-236	Uvigérine. <i>Uvigerina</i>	485-486		
Thyassire. <i>Thyassira</i>		240	Vagina	488		
Tigris		252	Vaginelle. <i>Vaginella</i>	489		
Tilin		253	Vaginule. <i>Vaginula</i>	489		
Timorienne. <i>Timorienna</i>		257	Vaginine. <i>Vaginulina</i>	489-490		
Tinopore. <i>Tinoporus</i>		263	Vallonie. <i>Vallonia</i>	497		
Tiranite. <i>Toranites</i>		268	Valve. <i>Valva</i>	498-499		
Tire-fond. <i>Haustator</i>		268	Valyée. <i>Valvata</i>	499-500		
Tomogère		283	Valvuline. <i>Valvulina</i>	500		
Tonne. <i>Dolium</i>		284-285	Varices	510		
Tornatelle. <i>Tornatella</i>		292-294	Vasset	512		
Torobranche. <i>Torobranchia</i>		294	Vasulite. <i>Vasulites</i>	512		
Tosar		301	Védiantien. <i>Vediandus</i>	518		
Totombo		301	Vélate. <i>Velates</i>	540		
Toupie		304	Vélutine. <i>Velutina</i>	544-545		
Tourterelle		319	Vénéricarde. <i>Venercardia</i>	545-546		
Toxérote/ <i>Toxerites</i>		320-321	Vénérides. <i>Venerides</i>	546-547		
			Vénérupe. <i>Venerupis</i>	547-548		

## APPENDIX 1. — Continuation.

Volume/Livraison	Deshayes Entry	Pages	Volume/Livraison	Deshayes Entry	Pages
16 – 30 October 1830 (continuation)	Vénus. <i>Venus</i>	549-551	16 – 30 October 1830 (continuation)	Vovan	645
	Vermet. <i>Vermetus</i>	555-557		Vulselle. <i>Vulsella</i>	646-647
	Véronicelle. <i>Veronicella</i>	559			
	Virguline. <i>Virgulina</i>	610		Yet. <i>Yetus</i>	688
	Vis. <i>Terebra</i>	610-612			
	Vitrine. <i>Vitrina</i>	614-616		Zimbis	703
	Vivipare a Bandes,	617		Zonite. <i>Zonitus</i>	724
	Volupie. <i>Volupia</i>	632			
	Volute. <i>Voluta</i>	632-634			
Volvaire. <i>Volvaria</i>	634-635	17 – 29 October 1831	Plate expl., Mollusca	117-123	



APPENDIX 2. — Deshayes Entries in the Dictionnaire universel d'Histoire naturelle 1839-1846 [DictUniv] [1839-1849]. [many entries in]: Charles D. V. d'Orbigny, ed., *Dictionnaire universel d'histoire naturelle*, Vols 1-7 [A-L] only; Atlas [1849], mollusc pls 1-5, 8-13, 19-24 [no pls 6-7, 14-18 issued]; mollusk pl. expl. p. 5-10. Evenhuis (1990, but updated 2019) provided a detailed collation of the text of this set based on the dates of issue of its livraisons and feuilles. Vol. 1 was issued 1839-1841; Vol. 2, 1841-1842; Vol. 3, 1842-1843; Vol. 4, 1843-1844; Vol. 5, 1844-1845; Vol. 6, 1845; Vol. 7, 1845-1846. The plates were issued over this span of years, but there is no information as to when they came out, so they all have to be dated as 1849.

The entries listed here were based on searches for “Desh.” backed up by a search under “Moll.”. However, some Deshayes entries may have been missed, and some entries that were unsigned may have been by him. His work continued until 1846, then was taken over by Félix Dujardin.

Volume/Livraison/ Cover Date	Deshayes Entry	Pages	Date
1 – “1841”			
(1)	Aber	14	29 June 1839
	Ablaque	15	29 June 1839
	Abra	17	29 June 1839
	Acame. <i>Acamas</i>	26	29 June 1839
	Acanthochite. <i>Acanthochites</i>	31	29 June 1839
	Acarde. <i>Acardo</i>	39	29 June 1839
	Acave. <i>Acavus</i>	40	29 June 1839
(2)	Acéphale. <i>Acephalus</i>	61	August 1839
	Acéphalophores. <i>Acephalophori</i>	66	August 1839
	Acère. <i>Akera</i>	67	August 1839
	Acérées. <i>Acera</i>	67	August 1839
	Aciona	86	August 1839
(3)	Actéon. <i>Actaeon</i>	107	By 16 March 1840
	Actéon	107-108	By 16 March 1840
	Actinocamax	110	By 16 March 1840
	Adélobranches. <i>Adelobranchia</i>	120	By 16 March 1840
	Adelopneumonés. <i>Adelopneumona</i>	120	By 16 March 1840
(4)	Adesmaccés. <i>Adesmacei</i>	130	16 March 1840
	Agames. <i>Agama</i>	160-161	16 March 1840
	Aganides. <i>Aganides</i>	162	16 March 1840
	Aganon	162	16 March 1840
	Agaron	186	16 March 1840
	Agathyrse. <i>Agathyrsus</i>	191	16 March 1840
	Agatine. <i>Achatina</i>	192	16 March 1840
(5)	Aigle	214	March 1840
	Aiguillette	217	March 1840
	Ailées. <i>Alatae</i>	222	March 1840
	Ajar	234	March 1840
	Alasmides. <i>Alasmidia</i>	239	March 1840
	Alasmidontes. <i>Alasmidonta</i>	239-240	March 1840
	Alata-Lata	240	March 1840
	Alatite. <i>Alatites</i>	240	March 1840
(6)	Alectryon	268	15 June 1840
	Alectryonia	268	15 June 1840
	Alène. <i>Subula</i>	269	15 June 1840
	Algérienne	272	15 June 1840
	Aloïde. <i>Aloidis</i>	291	15 June 1840
(7)	Alvanie. <i>Alvania</i>	315	July 1840
	Amadis, Amiral-amadis	320	July 1840
	Amande	323	July 1840
	Amblème. <i>Amblema</i>	334	July 1840
	Amblémides	334	July 1840
	Ambrée, Amphibie	342	July 1840
	Ambrette. <i>Succinea</i>	342-345	July 1840
	Amiral	354	July 1840
	Amphibie	374	July 1840
	Amphibole	377	July 1840
	Amphibulime. <i>Amphibulima</i>	381	July 1840
	Amphidesma	384-385	July 1840
(8)	Amphidesmites	385	August 1840
	Amphidonta	386	August 1840
	Amphipéplée. <i>Amphipeplea</i>	391	August 1840
	Amphiplexe. <i>Amphiplexus</i>	400	August 1840
	Ampoule	401	August 1840
	Ampullacère. <i>Ampullacera</i>	401-402	August 1840

## APPENDIX 2. — Continuation.

Volume/Livraison/ Cover Date	Deshayes Entry	Pages	Date
(8) (continuation)	Ampullaire. <i>Ampullaria</i>	402-405	August 1840
	Ampulline. <i>Ampullina</i>	405	August 1840
	Amusium. <i>Amusium</i>	406	August 1840
	Amygdale. <i>Amygalum</i>	407	August 1840
	Anadara	418	August 1840
	Anastome. <i>Anastoma</i>	431	August 1840
	Anatine. <i>Anatina</i>	435-437	August 1840
	Anatome. <i>Anatomus</i>	438	August 1840
(9)	Anaulace. <i>Anaulax</i>	469	2 November 1840
	Ancilie. <i>Ancilla</i>	473	2 November 1840
	Ancillaire. <i>Ancillaria</i>	473-475	2 November 1840
	Ancille. <i>Ancilla</i>	475	2 November 1840
	Anculotus	477	2 November 1840
	Ancyle. <i>Ancylus</i>	477-479	2 November 1840
	Ancylés. <i>Ancyclaea</i>	479	2 November 1840
Ane. <i>Asinus</i>	491	2 November 1840	
(10)	Angle. <i>Angulus</i>	500	16 November 1840
	Angulaire. <i>Anguinaria</i>	507	16 November 1840
	Angystome. <i>Angystoma</i>	508	16 November 1840
	Angystomes	508	16 November 1840
(11)	Anneau	544	November 1840
	Annulaire. <i>Annularia</i>	547	January 1841
(12)	Anodon	548	January 1841
	Anodonte. <i>Anodonta</i>	548	January 1841
	Anotontides. <i>Anodontidia</i>	548	January 1841
	Anodontite	548	January 1841
	Anomalocarde. <i>Anomalocardia</i>	556	January 1841
	Anomie. <i>Anomia</i>	557-559	January 1841
	Anomites	559	January 1841
	Anonica	563	January 1841
	Anostéophore	569	January 1841
	Antale	571	January 1841
	Anthobranche. <i>Anthobranchia</i>	590	January 1841
	Anti-Barillet	610	January 1841
	Antigone. <i>Antigona</i>	612	January 1841
	Anti-Nompareille	628	January 1841
	Antilio-Branchiophores	631	January 1841
2 – “1842”			
(13)	Aphrodite. <i>Aphrodita</i>	4	1 February 1841
	Apleurotis	12	1 February 1841
	Aplodon	14	1 February 1841
	Aplustrum	18	1 February 1841
	Aplysie. <i>Aplysia</i>	18-22	1 February 1841
	Aplysiens. <i>Aplysiacea</i>	22	1 February 1841
	Apolle. <i>Apollo</i>	29	1 February 1841
	Aporobranches. <i>Aporobranchiata</i>	33	1 February 1841
	Aporrhais	33	1 February 1841
	Aptérygiens. <i>Apterygia</i>	43-44	1 February 1841
	Aquaria	47	1 February 1841
	Aquile. <i>Aquilus</i>	48	1 February 1841
	Arabique, Fausse Arlequine	53	1 February 1841
	(14)	Arapède	76
Arcacées		84	5 April 1841
Arcacite		84	5 April 1841
Arche. <i>Arca</i>		86-88	5 April 1841
Arches. <i>Arca</i>		90	5 April 1841
Archonte. <i>Archonta</i>		91	5 April 1841
Arcinelle. <i>Archinella</i>		92	5 April 1841
Arctique. <i>Arctica</i>		93	5 April 1841
Arénaire. <i>Arenaria</i>		101	5 April 1841
Argo-Buccinum		118	5 April 1841
Argoderme. <i>Argoderma</i>		118	5 April 1841
Argus		124-125	5 April 1841



APPENDIX 2. — Continuation.

Volume/Livraison/ Cover Date	Deshayes Entry	Pages	Date	
(15)	Arion	135	6 September 1841	
	Arlequine	140	6 September 1841	
	Armine. <i>Arminia</i>	142	6 September 1841	
	Aronde. <i>Avicula</i>	149	6 September 1841	
	Arrosoir. <i>Aspergillum</i>	158-160	6 September 1841	
	Arthémide. <i>Arthemis</i>	170-171	6 September 1841	
(16)	Arvan	198	8 November 1841	
	Arytène. <i>Arytena</i>	199	8 November 1841	
	Asiphonobranches. <i>Asiphonobranchiata</i>	220	8 November 1841	
	Asiphonoides. <i>Asiphonoidea</i>	220	8 November 1841	
	Aspergillum	225	8 November 1841	
	Aspidobranches. <i>Aspidobranchiata</i>	236	8 November 1841	
	Assula	244	8 November 1841	
	Astarté. <i>Astarte</i>	245-246	8 November 1841	
(17)	Atlante. <i>Atlanta</i>	296-297	November 1841	
	Atlas	298	November 1841	
	Atrypa	319	November 1841	
	Attaches musculaires	319	November 1841	
(18)	Atys, Athys	330	2 January 1842	
	Aumusse	340	2 January 1842	
	Auriculacés. <i>Auriculacea</i>	344	2 January 1842	
	Auricule. <i>Auricula</i>	345-348	2 January 1842	
	Auricules. <i>Auriculae</i>	348	2 January 1842	
	Auriculite	348-349	2 January 1842	
	Auriformes	349	2 January 1842	
	Auriscalpe. <i>Auriscalpium</i>	349	2 January 1842	
	Avagnon, Avignon	369	2 January 1842	
	Aveline scarab, gueule-de-loup	370	2 January 1842	
	Avicula	373	2 January 1842	
	Avicule. <i>Avicula</i>	374-376	2 January 1842	
	Avignon	377	2 January 1842	
(19)	Axin. <i>Axinus</i>	388	7 February 1842	
	Axinée. <i>Axinaea</i>	389	7 February 1842	
	Axinoderme. <i>Axinoderma</i>	389	7 February 1842	
	Baignoire	420	7 February 1842	
	Bajet	421	7 February 1842	
	Balea	432	7 February 1842	
	Balise	445	7 February 1842	
	(20)	Barbelle. <i>Barbala</i>	461	21 March 1842
		Barnet	473	21 March 1842
		Base. <i>Basis</i>	486	21 March 1842
Bateau		497	21 March 1842	
Batillus		499	21 March 1842	
Batolite. <i>Batolites</i>		500	21 March 1842	
Batonnet		500	21 March 1842	
Battants		506	21 March 1842	
(21)	Bec ouvert. <i>Hians</i>	518-519	4 April 1842	
	Bécasse	523	4 April 1842	
	Belléroph. <i>Bellerophon</i>	534-536	4 April 1842	
	C. d'Orbigny himself took over the molluscs rest in this volume (22-27)			
3 – “1843”				
C. H. d'Orbigny did the beginning of the molluscs in this volume				
(28)	Casque. <i>Cassis</i>	204-205	7 November 1842	
	Cassidaire. <i>Cassidaria</i>	209-210	7 November 1842	
	Cassidites. <i>Cassidites</i>	213	7 November 1842	
	Cassidule. <i>Cassidula</i>	213	7 November 1842	
	Catille. <i>Catillus</i>	234	7 November 1842	
	Catinus-Lactis	235	7 November 1842	
(29)	Céphalés	270	November 1842	
	Cépole. <i>Cepolis</i>	281	November 1842	
	Céraste. <i>Cerastes</i>	287	November 1842	
	Cérastoderme. <i>Cerastoderma</i>	287	November 1842	
	Cératodes	290	November 1842	

## APPENDIX 2. — Continuation.

Volume/Livraison/ Cover Date	Deshayes Entry	Pages	Date	
(30)	Ceriphasia	334	2 January 1843	
	Cérithes. <i>Cerithium</i>	335-336	2 January 1843	
	Cérithes	336	2 January 1843	
	Cervicobranches. <i>Cervicobranchiata</i>	344	2 January 1843	
	Chadet	363	2 January 1843	
(31)	Chamostraea	386	30 January 1843	
	Chanon	387	30 January 1843	
	Charibde	400	30 January 1843	
(32)	Chelinotus	453	6 March 1843	
	Chenille. <i>Vertagus</i>	469	6 March 1843	
	Chilina	568-569	6 March 1843	
(33)	Chilotrema	574	10 April 1843	
	Chimera	574	10 April 1843	
	Chiméroderme. <i>Chimoederma</i>	575	10 April 1843	
(34)	Chione	588	24 April 1843	
	Chirone. <i>Chironia</i>	594	24 April 1843	
	Chismobranches. <i>Chismobranchiata</i>	596	24 April 1843	
	Chitonelle. <i>Chitonellus</i>	596	24 April 1843	
	Chlorostoma	609	24 April 1843	
	Choena	613	24 April 1843	
	Chrondrus	620	24 April 1843	
	Chonete. <i>Chonetes</i>	621	24 April 1843	
	Choristite. <i>Choristites</i>	626	24 April 1843	
	Chotin	627	24 April 1843	
	(35)	Chrysodomus	654	29 May 1843
		Chrysostoma	661	29 May 1843
Cibicide. <i>Cibicides</i>		664	29 May 1843	
Ciclophore, Cyclophore. <i>Cyclophorus</i>		669	29 May 1843	
Cidaris		670	29 May 1843	
(36)	Cingula	692	1 July 1843	
	Cionella	693	1 July 1843	
	Circé. <i>Circe</i>	695	1 July 1843	
	Cirrhobranches. <i>Cirrhobranchiata</i>	717	1 July 1843	
	Cirrus	717	1 July 1843	
	Cistula	723	1 July 1843	
	Cithara	723	1 July 1843	
	Cladopoda	731	1 July 1843	
	Clanculus	734	1 July 1843	
	Clathrus	737	1 July 1843	
	Clausilie. <i>Clausilia</i>	738	1 July 1843	
	Clava	738	1 July 1843	
	Clavagelle. <i>Clavagella</i>	738-740	1 July 1843	
	Clavalithes.	741	1 July 1843	
	Clavicantha	742	1 July 1843	
	4 – “1844”			
(37)	Cleidothère. <i>Cleidothaerus</i>	2-3	31 July 1843	
	Clithon. <i>Clithon</i>	12-13	31 July 1843	
	Cloisonnaire. <i>Septaria</i>	14-15	31 July 1843	
	Clypidella	25	31 July 1843	
	Cobresia	41	31 July 1843	
	Cochlicelle. <i>Cochlicella</i>	55	31 July 1843	
	Cochlicope. <i>Cochlicopa</i>	55	31 July 1843	
	Cochlitome. <i>Cochlitoma</i>	56	31 July 1843	
	Cochlodine. <i>Cochlodina</i>	56	31 July 1843	
	Cochlodonte. <i>Cochlodonta</i>	56	31 July 1843	
	Cochlogène. <i>Cochlogena</i>	56	31 July 1843	
	Cochlohydre. <i>Cochlohydra</i>	56	31 July 1843	
	Cochloidde. <i>Cochloides</i>	56	31 July 1843	
	Cochlostyle. <i>Cochlostyla</i>	56	31 July 1843	
	(38)	Codok	71	4 September 1843
		Cofar	81	4 September 1843
Colimacées		109-110	4 September 1843	
Colimaçons		110	4 September 1843	
Columbelle. <i>Columbella</i>		121-122	4 September 1843	
Colonne. <i>Columna</i>		124	4 September 1843	



APPENDIX 2. — Continuation.

Volume/Livraison/ Cover Date	Deshayes Entry	Pages	Date
(38) (continuation)	Columellaires. <i>Columellaria</i>	126	4 September 1843
	Columelle. <i>Columella</i>	126	4 September 1843
	Colus	127	4 September 1843
(39)	Complanaria	148	2 October 1843
	Conchacés. <i>Conchacea</i>	164-165	2 October 1843
	Conchifères. <i>Conchifera</i>	165-166	2 October 1843
	Concholépas. <i>Concholepas</i>	166-167	2 October 1843
	Conchophora	167	2 October 1843
	Conchylie	168	2 October 1843
	Conchylologie	168	2 October 1843
	Conchyliomorphite	168	2 October 1843
	Cone. <i>Conus</i>	172-174	2 October 1843
	Conella	174	2 October 1843
	Congérie. <i>Congerina</i>	176	2 October 1843
	Conidea	178	2 October 1843
	Conilithes	182-183	2 October 1843
	Conivalves	186	2 October 1843
	Conoelice. <i>Conoelix</i>	188	2 October 1843
	Conoïdes. <i>Conoidea</i>	188	2 October 1843
	Conorbis	191	2 October 1843
(40-41)	Conotrochites	193	November 1843
	Conovule	193	November 1843
	Conque. <i>Concha</i>	193	November 1843
	Conqueformes. <i>Conchaeformia</i>	193-194	November 1843
	Conques	194	November 1843
	Contre-unique	195	November 1843
	Conulaire. <i>Conularia</i>	195	November 1843
	Copeau. <i>Assula</i>	198	November 1843
	Coquillages	218	November 1843
	Coquille. <i>Cochlea</i>	218	November 1843
	Coquille de Saint-Jacques, de Pharaon, des Peintres	218	November 1843
	Coralliophage	225	November 1843
	Corbeille. <i>Corbis</i>	230-231	November 1843
	Corbicule. <i>Corbicula</i>	231	November 1843
	Corbule. <i>Corbula</i>	231-233	November 1843
	Corbulées. <i>Corbulaea</i>	233	November 1843
	Cordelière	233	November 1843
	Cordiforme. <i>Cordiformis</i>	234	November 1843
	Cordon bleu	235	November 1843
	Coret	238	November 1843
	Coris, Cauris	242	November 1843
	Corne. <i>Cornu</i>	247	November 1843
	Corne d'Abondance	247	November 1843
	Cornea	247	November 1843
	Cornet	250	November 1843
	Cornet de Postillon, de Saint Hubert, Chambré	250	November 1843
	Coronaxis	253	November 1843
	Corselet	257	November 1843
	Couleuvre. <i>Columbraria</i>	298	November 1843
	Coupet	299	November 1843
	Courli	302	November 1843
	Courli Épinex	302	November 1843
	Couronnes	305	November 1843
	Couteau. <i>Cultellus</i>	311	November 1843
	Covet	311	November 1843
	Cranie. <i>Crania</i>	316-318	November 1843
	(42)	Crapaud. <i>Bufo</i>	322
Crapaud. <i>Bufo</i>		322	26 December 1843
Crassatelle. <i>Crassatella</i>		323-324	26 December 1843
Crassatelles		324	26 December 1843
Crassine. <i>Crassina</i>		325	26 December 1843
Crassipèdes. <i>Crassipedes</i>		325	26 December 1843
Crassispira		325	26 December 1843
Crénatule. <i>Crenatula</i>		331-332	26 December 1843
Crépidule. <i>Crepidula</i>		334-336	26 December 1843
Crépipatelle. <i>Crepipatella</i>		336	26 December 1843
Crétaire. <i>Cristata</i>		338	26 December 1843

## APPENDIX 2. — Continuation.

Volume/Livraison/ Cover Date	Deshayes Entry	Pages	Date
(42) (continuation)	Creuset. <i>Crucibulum</i>	339	26 December 1843
	Cricostomes. <i>Cricostoma</i>	341	26 December 1843
	Criopoderme. <i>Criopoderma</i>	343	26 December 1843
	Criopus	344	26 December 1843
	Cristaria	349	26 December 1843
(43-44)	Crypta	413	19 February 1844
	Cryptella	414	19 February 1844
	Cryptobranchia	415	19 February 1844
	Cryptocéphle. <i>Cryptocephala</i>	416	19 February 1844
	Cryptocochlides. <i>Cryptocochlides</i>	417	19 February 1844
	Cryptoconchus	417	19 February 1844
	Cryptodon	418	19 February 1844
	Cryptoplace. <i>Cryptoplax</i>	434	19 February 1844
	Cryptostome. <i>Cryptostoma</i>	438-439	19 February 1844
	Cténite	441	19 February 1844
	Ctenobranchia	441	19 February 1844
	Ctenoconcha	441	19 February 1844
	Cucullée. <i>Cucullaea</i>	448-449	19 February 1844
	Cucumis	449	19 February 1844
	Cullère	451	19 February 1844
	Cul-de-Lampe	457	19 February 1844
	Cuma	460-461	19 February 1844
	Cuminigia	461-462	19 February 1844
	Cuneus	463	19 February 1844
	Cunicula	463	19 February 1844
	Cyclade. <i>Cyclas</i>	487-488	19 February 1844
	Cyclades	488	19 February 1844
	Cycladines. <i>Cycladina</i>	488	19 February 1844
	Cyclas	489	19 February 1844
	Cyclemis	490	19 February 1844
	Cyclocantha	491	19 February 1844
	Cyclonassa	498	19 February 1844
	Cyclope	498	19 February 1844
	Cyclophore. <i>Cyclophora</i>	499	19 February 1844
	Cyclostome. <i>Cyclostoma</i>	501-503	19 February 1844
	Cyclostrema	503	19 February 1844
	Cyclotus	503	19 February 1844
	Cylindre. <i>Cylindrus</i>	512	19 February 1844
Cylindrella	512	19 February 1844	
(45)	Cyllene	515	4 March 1844
	Cymba	516	4 March 1844
	Cymbe. <i>Cymbium</i>	517	4 March 1844
	Cymbicochlides	517	4 March 1844
	Cymbiola	517	4 March 1844
	Cynodone. <i>Cynodona</i>	541	4 March 1844
	Cypraea	549	4 March 1844
	Cypraeadia	549	4 March 1844
	Cypraeacassis	549	4 March 1844
	Cypraeidae	549	4 March 1844
	Cypraeinae	549	4 March 1844
	Cypraeova	549	4 March 1844
	Cypraeovulum	549	4 March 1844
	Cypraella	549-550	4 March 1844
	Cypricarde. <i>Cypricardia</i>	550-551	4 March 1844
	Cyprine. <i>Cyprina</i>	552-553	4 March 1844
	Cyrène. <i>Cyrena</i>	556-557	4 March 1844
	Cyrénoide. <i>Cyrenoida</i>	557	4 March 1844
	Cyrtodaire. <i>Cyrtodaria</i>	559	4 March 1844
	Cystia	562-563	4 March 1844
	Cythérée. <i>Cytheraea</i>	566	4 March 1844
	Dactyle	570	4 March 1844
	(46)	Dalat	592
Damier		601	8 April 1844
Daphné		603	8 April 1844
Daphnéoderme. <i>Daphneoderma</i>		604	8 April 1844
Dasan		608	8 April 1844
Datin		616	8 April 1844



APPENDIX 2. — Continuation.

Volume/Livraison/ Cover Date	Deshayes Entry	Pages	Date	
(46) (continuation)	Datte	617	8 April 1844	
	Dauphinule. <i>Delphinula</i>	636-637	8 April 1844	
	Decadopecten	640	8 April 1844	
(47)	Defrancia	646	29 April 1844	
	Dégon	655	29 April 1844	
	Dendrostraea	669	29 April 1844	
	Dentale. <i>Dentalium</i>	671-674	29 April 1844	
	Dents	694	29 April 1844	
(48)	Dermatobranche	698	20 May 1844	
	Diadème. <i>Diadema</i>	719	20 May 1844	
	Dianchore. <i>Dianchora</i>	726	20 May 1844	
	Dicérate. <i>Diceras</i>	736-737	20 May 1844	
	Dicères	738	20 May 1844	
	Diconcha	745	20 May 1844	
	5 – “1845”			
(49)	Dimyaires	20	24 June 1844	
	Dioiques. <i>Dioica</i>	40	24 June 1844	
	Dip	45	24 June 1844	
	Diphyllide. <i>Dyphillidia</i>	48	24 June 1844	
...(5)	Dipsacus	61	24 June 1844	
	Discine. <i>Discina</i>	76	1 July 1844	
	Dissivalve	82	1 July 1844	
	Dithyra	86	1 July 1844	
	Ditrochus	88	1 July 1844	
	Dofan	95	1 July 1844	
	Dolabelle. <i>Dolabella</i>	95-96	1 July 1844	
	Doliaries. <i>Doliaria</i>	97	1 July 1844	
	Donace. <i>Donax</i>	105-107	1 July 1844	
	Dontostoma	108	1 July 1844	
	Doridie. <i>Doridium</i>	111-112	1 July 1844	
	Doris	113-115	1 July 1844	
	Dosin	120	1 July 1844	
	Dotel	121	1 July 1844	
	Dragonneau	126	1 July 1844	
	Drap	126	1 July 1844	
	(51)	Duchon	143	12 August 1844
		Dunar	146	12 August 1844
		Éburne. <i>Eburnaea</i>	171-172	12 August 1844
		Eburninae	172	12 August 1844
Échidne. <i>Echidnis</i>		181	12 August 1844	
Echinella		184	12 August 1844	
Échinoderme. <i>Echinoderma</i>		188	12 August 1844	
Échinophore		191	12 August 1844	
(52)		Echion. <i>Echion</i>	193	26 August 1844
	Éclair	195	26 August 1844	
	Écorce de Citron	201	26 August 1844	
	Écorché	201	26 August 1844	
	Écusson	213	26 August 1844	
	Egeria	218	26 August 1844	
	Egouen	219	26 August 1844	
	(53)	Élégante striée	259	23 September 1844
Elenchrus		262	23 September 1844	
Ellipsaire		278	23 September 1844	
Ellipsostomes. <i>Ellipsostoma</i>		278	23 September 1844	
Elysie. <i>Elysia</i>		282	23 September 1844	
Émarginule. <i>Emarginula</i>		284-285	23 September 1844	
Empereur. <i>Imperator</i>		292	23 September 1844	
Endocéphales. <i>Endodephala</i>		310	23 September 1844	
Enfermés		315	23 September 1844	
...(54)		Enroulés	329-330	14 October 1844
	Ensatella	330	14 October 1844	
	Entailles	330	14 October 1844	
	Entale. <i>Entalium</i>	330-331	14 October 1844	
	Entéléte. <i>Entellus</i>	331	14 October 1844	
	Entomostomes. <i>Entostomata</i>	335-336	14 October 1844	

## APPENDIX 2. — Continuation.

Volume/Livraison/ Cover Date	Deshayes Entry	Pages	Date
(54) (continuation)	Entonnoir. <i>Infundibulum</i>	337	14 October 1844
	Éperon. <i>Calcar</i>	345	14 October 1844
	Epidromis	358	14 October 1844
	Épitomite. <i>Epitomites</i>	369	14 October 1844
	Équerre	381	14 October 1844
	Équivalve	382	14 October 1844
	Équivalves. <i>Equivalvia</i>	382	14 October 1844
(55)	Erato	384	14 October 1844
	Érodone. <i>Erodona</i>	408	18 November 1844
	Erville. <i>Ervilia</i>	415	18 November 1844
	Érycine. <i>Erycina</i>	416-417	18 November 1844
(56)	Escargot	424	18 November 1844
	Esplandian, Toile d'Araignée	452	16 December 1844
	Essan	452	16 December 1844
	Etheridae	470	16 December 1844
	Éthérie. <i>Etheria</i>	470-471	16 December 1844
	Eulime. <i>Eulima</i>	491-492	16 December 1844
	Euomphale. <i>Euomphalus</i>	499	16 December 1844
(57)	Euplocamus	509	16 December 1844
	Eutropia	534	6 January 1845
	Exocéphales. <i>Exocephala</i>	542	6 January 1845
	Fagan	550	6 January 1845
	Faisan	556	6 January 1845
	Falier	557	6 January 1845
	Fanel	558	6 January 1845
	Farois	559	6 January 1845
	Fasin	561	6 January 1845
	Fatan	561	6 January 1845
(58)	Faune. <i>Faunus</i>	572	6 January 1845
	Faval	574	6 January 1845
	Felan	584	6 January 1845
	Férussacie. <i>Ferussacia</i>	608	6 January 1845
	Ficus	624-625	6 January 1845
	Fimbria	633	6 January 1845
	Fissurelle. <i>Fissurella</i>	636-638	6 January 1845
	Fissurellidea	638	6 January 1845
	Fissuridea	638	6 January 1845
Fistulane. <i>Fistulata</i>	639	6 January 1845	
(59)	Fodie	659	17 February 1845
	Fonet	660	17 February 1845
	Fossar. <i>Fossarus</i>	681-682	17 February 1845
(60)	Fragella	714	22 March 1845
	Fripier. <i>Phorrus</i>	723-724	22 March 1845
	Fripière	724	22 March 1845
	Fucola	749	22 March 1845
	Fujet	750	22 March 1845
	Fulgur	751	22 March 1845
	Fuseau. <i>Fusus</i>	756-758	22 March 1845
	Fusiforme. <i>Fusiformis</i>	758	22 March 1845
	Gadin	760	22 March 1845
	Gafet	760	22 March 1845
	Gaiderope. <i>Gaderopa</i>	760	22 March 1845
	Galades	762	22 March 1845
	Galathée. <i>Galathaea</i>	764-765	22 March 1845
6 – “1846”			
(61)	Galerus	7	28 April 1845
	Gallinule	14	28 April 1845
	Garnot	28	28 April 1845
	Gasar	29	28 April 1845
	Gastéropodes	30-31	28 April 1845
	Gastéroptère	31-32	28 April 1845
	Gasteropteridae	32	28 April 1845
	Gasteroptophora	32	28 April 1845
	Gastrochène. <i>Gastrochaena</i>	32-34	28 April 1845
	Génot	73	19 May 1845



APPENDIX 2. — Continuation.

Volume/Livraison/ Cover Date	Deshayes Entry	Pages	Date
(62)	Géocochlides	80	19 May 1845
(64)	Géophiles	196	30 June 1845
	Geotrochus	197	30 June 1845
	Gervilie. <i>Gervilia</i>	207-208	30 June 1845
	Gibbe. <i>Gibbus</i>	210	30 June 1845
	Gibberula	210	30 June 1845
	Gioénie. <i>Gioenia</i>	218-219	30 June 1845
	Girol	223	30 June 1845
	Giton	224	30 June 1845
	Gival	224	30 June 1845
	Glabella	224	30 June 1845
	Gladius	224	30 June 1845
	Glauconomie. <i>Glauconomia</i>	230	30 June 1845
	Globiconcha	233-234	30 June 1845
	Globularia	234	30 June 1845
	Globus	235	30 June 1845
	Gloire de mer	236	30 June 1845
	Glossaspis	237	30 June 1845
	Glosse	237	30 June 1845
	Glossoderme	237	30 June 1845
	Glycimère. <i>Glycimeris</i>	240-242	30 June 1845
	Glycimeris	242	30 June 1845
	Gnathodon	246-247	30 June 1845
(65)	Gouchet	258	23 July 1845
	Golar	259	23 July 1845
	Goldole	266	23 July 1845
	Gondole blanche	266	23 July 1845
	Gongole	266	23 July 1845
	Goniosomes. <i>Goniosomi</i>	273-274	23 July 1845
	Goodalia	278	23 July 1845
	Gor	279	23 July 1845
	Gordet	279	23 July 1845
	Gosson	282	23 July 1845
	Goumier	284	23 July 1845
	Gousol	284	23 July 1845
	Gouttière	284	23 July 1845
	Grain d'Avoine	285	23 July 1845
	Grain d'Orge	285	23 July 1845
	Gratelpie. <i>Gratelpia</i>	308	23 July 1845
(66-70)	Grenouille	330	3 November 1845
	Gresslya	335	3 November 1845
	Griffe du Diable	336	3 November 1845
	Grimace	337	3 November 1845
	Grive	339	3 November 1845
	Gryphée	415	3 November 1845
	Guron	431	3 November 1845
	Haliotide. <i>Haliotis</i>	460-462	3 November 1845
	Haliotoidea	462	3 November 1845
	Hallebarde de Suisse	462	3 November 1845
	Harpago	490	3 November 1845
	Harpe. <i>Harpa</i>	491-492	3 November 1845
	Harpula	493	3 November 1845
	Haume	494	3 November 1845
	Haustellaria	494	3 November 1845
	Haustellum	494	3 November 1845
	Haustrum	494	3 November 1845
	Hébraïque	496	3 November 1845
	Hecuba	497	3 November 1845
	Helcon	500	3 November 1845
	Helicarion	503	3 November 1845
	Hélice. <i>Helix</i>	503-512	3 November 1845
	Hélicelle	512	3 November 1845
	Helicidae	513	3 November 1845
	Hélicigone. <i>Helicigona</i>	513	3 November 1845
	Helicinae	513-514	3 November 1845
	Hélicine. <i>Helicina</i>	514-515	3 November 1845

## APPENDIX 2. — Continuation.

Volume/Livraison/ Cover Date	Deshayes Entry	Pages	Date
(66-70) (continuation)	Hélicines	515	3 November 1845
	Hélicinides	515	3 November 1845
	Hélicite	515	3 November 1845
	Hélicodonte	515	3 November 1845
	Hélicogène	515	3 November 1845
	Hélicophante	515	3 November 1845
	Hélicostyle. <i>Helicostyla</i>	516	3 November 1845
	Helisoma	520	3 November 1845
	Hémicarde. <i>Hemicardia</i>	528	3 November 1845
	Hemicycla	529	3 November 1845
	Hémicyclostomes	529	3 November 1845
	Hemifusus	529	3 November 1845
	Hemimactra	530	3 November 1845
	Hemimitra	531	3 November 1845
	Hemidon	531	3 November 1845
	Hemisinus	534	3 November 1845
	Hemitoma	534	3 November 1845
	Hemirochus	535	3 November 1845
	Hendécadactyle	535	3 November 1845
	Heptadactylus	550	3 November 1845
	Hermaphrodites	575	3 November 1845
	Hermès	575	3 November 1845
	Hermine	575	3 November 1845
	Herpa	592	3 November 1845
	Hétérobranches	596	3 November 1845
	Hétéroclites	597	3 November 1845
	Hexadactyle	611	3 November 1845
	Hiatelle. <i>Hiatella</i>	613-614	3 November 1845
	Hiatula	614	3 November 1845
	Himantopode. <i>Himantopoda</i>	616	3 November 1845
	Hinnite. <i>Hinnites</i>	616-617	3 November 1845
	Hippagus	617	3 November 1845
	Hippocrène. <i>Hippocrenes</i>	622	3 November 1845
Hipponice. <i>Hipponix</i>	623-625	3 November 1845	
Hippope. <i>Hippopus</i>	625	3 November 1845	
Hippopodium	625	3 November 1845	
Hippurite. <i>Hippurites</i>	633-635	3 November 1845	
(71)	Homomya	674	17 November 1845
(72)	Huitre	703-704	3 November 1845
	... Huitre	705-710	22 December 1845
	Huitre épineuse	710	22 December 1845
	Huitre feuilletée	710	22 December 1845
	Hyalina	720-721	22 December 1845
	Hydatine. <i>Hydatina</i>	730	22 December 1845
	Hydrobie. <i>Hydrobia</i>	743	22 December 1845
	Hygrogéophiles	770	22 December 1845
	Hypobranches	785	22 December 1845
	Hyriana	791	22 December 1845
	Hyridella	791	22 December 1845
	Hyrie. <i>Hyria</i>	791-792	22 December 1845
	Hystrix	792	22 December 1845
	7 – “1846” (73-74)	Ibère. <i>Iberus</i>	1
	Ichthyosarcolite	14	29 December 1845
	Idalia	16	29 December 1845
	Idole	18	29 December 1845
	Idothée	19	29 December 1845
	Imbricaire. <i>Imbricaria</i>	27	29 December 1845
	Imisia	27	29 December 1845
	Imperator	28	29 December 1845
	Incilaria	28	29 December 1845
	Inéquivalve	37	29 December 1845
	Inéquivalves. <i>Inaequivalvia</i>	37	29 December 1845
	Inférobanches. <i>Inferobranchiata</i>	38	29 December 1845
	Infundibulum	44	29 December 1845
	Inocérame. <i>Inoceramus</i>	53-54	29 December 1845
	Io	100-101	29 December 1845



APPENDIX 2. — Continuation.

Volume/Livraison/ Cover Date	Deshayes Entry	Pages	Date	
(73-74) (continuation)	Iphigéne. <i>Iphigenia</i>	106	29 December 1845	
	Iridine. <i>Iridina</i>	109-110	29 December 1845	
	Iridininae	110	29 December 1845	
	Irus	113	29 December 1845	
	Isabelle	113	29 December 1845	
	Isocarde. <i>Isocardia</i>	117-118	29 December 1845	
	Isocardia	118-119	29 December 1845	
	Isognomon	119	29 December 1845	
(75)	Ivoire	130	January 1846	
	Jabet	134	January 1846	
	Jabik	134	January 1846	
	Jagon	139	January 1846	
	Jamar	141	January 1846	
	Jamble	141	January 1846	
	Jambon	141	January 1846	
	Jambonneau	141	January 1846	
	Jaminia	141	January 1846	
	Janire. <i>Janira</i>	142	January 1846	
	Janthine. <i>Janthina</i>	142-144	January 1846	
	Jardinier	146	January 1846	
	Jataron	151	January 1846	
	Jatou	151	January 1846	
	Jaune d'Oeuf	151	January 1846	
	Jelin	151-152	January 1846	
	Jenac	152	January 1846	
	Jeson	152	January 1846	
	Jodamie. <i>Jodamia</i>	152	January 1846	
	Jol	153	January 1846	
	Jouannétie. <i>Jouannetia</i>	156	January 1846	
	Jouret	157	January 1846	
	Julan	160	January 1846	
	Lacina	192	January 1846	
	(76)	Lacuna	195-196	9 February 1846
		Ladas	196	9 February 1846
Laevicardium		197	9 February 1846	
Lagar		198	9 February 1846	
Lagena		198	9 February 1846	
Laguncula		204	9 February 1846	
Lambis		218-219	9 February 1846	
Lamellaire. <i>Lamellaria</i>		219	9 February 1846	
Lamellés. <i>Lamellata</i>		219	9 February 1846	
Lamellibranches. <i>Lamellibranchiata</i>		219	9 February 1846	
Lampas		225	9 February 1846	
Lampas		225	9 February 1846	
Lampe antique		225	9 February 1846	
Lamprodoma		226	9 February 1846	
Lamproscapha		227	9 February 1846	
Lamprostoma		227	9 February 1846	
Lampsilis		228	9 February 1846	
Lampusie. <i>Lampusia</i>		228	9 February 1846	
Laniogère. <i>Lanigerus</i>		241	9 February 1846	
Laniste		241	9 February 1846	
Lanistes		241	9 February 1846	
Lanterne		242	9 February 1846	
Larva		246	9 February 1846	
Lastena		250	9 February 1846	
Latiaxis		251	9 February 1846	
Latire. <i>Latirus</i>		251	9 February 1846	
Latone		252	9 February 1846	
Lauria		253	9 February 1846	
(77-78)		Leda	266	16 March 1846
		Léguminaire. <i>Leguminaria</i>	267	16 March 1846
		Leodomus	278	16 March 1846
		Leiostoma	280	16 March 1846
	Lembulus	281	16 March 1846	
	Lendix	284	16 March 1846	
	Lentidium	286	16 March 1846	

## APPENDIX 2. — Continuation.

Volume/Livraison/ Cover Date	Deshayes Entry	Pages	Date
(77-78) (continuation)	Lentillaire. <i>Lentillaria</i>	286	16 March 1846
	Lepas	290	16 March 1846
	Lepidopleurus	293	16 March 1846
	Leptaena	306-307	16 March 1846
	Leptoconchus	309-310	16 March 1846
	Leptoconus	310	16 March 1846
	Leptolymnaea	311	16 March 1846
	Lepton	311	16 March 1846
	Leptopodes	312	16 March 1846
	Leptospira	314	16 March 1846
	Leptoxis	315	16 March 1846
	Lesaea	319	16 March 1846
	Leucostoma	325	16 March 1846
	Leucotis	325	16 March 1846
	Levantine	326	16 March 1846
	Libitine. <i>Libitina</i>	341	16 March 1846
	Libot	341	16 March 1846
	Licium	351	16 March 1846
	Lièvre	361	16 March 1846
	Lièvre Marin	361	16 March 1846
	Ligament	361	16 March 1846
	Ligar	361	16 March 1846
	Ligula	363	16 March 1846
	Ligule. <i>Ligula</i>	363-364	16 March 1846
	Ligumia	365	16 March 1846
	Limace. <i>Limax</i>	369-373	16 March 1846
	Limacelle. <i>Limacella</i>	373	16 March 1846
	Limaciens	373-374	16 March 1846
	Limacinae	374	16 March 1846
	Limacinés	374	16 March 1846
	Limaçon	374	16 March 1846
	Limatula	374	16 March 1846
	Lima	374-376	16 March 1846
	Limea	376	16 March 1846
	Limicole. <i>Limicolaria</i>	376	16 March 1846
	Limnaciinae	377	16 March 1846
	Limnocochlides	379	16 March 1846
	Limnophile. <i>Limnophila</i>	380	16 March 1846
	Limposis	381	16 March 1846
(79-81)	Linguelle	387	20 April 1846
	Lingule. <i>Lingula</i>	387-389	20 April 1846
	Lingules	389	20 April 1846
	Linthurie	391	20 April 1846
	Lipin	395	20 April 1846
	Lippiste. <i>Lippistes</i>	395	20 April 1846
	Liri	397	20 April 1846
	Liria	397	20 April 1846
	Lisor	404	20 April 1846
	Lispe	404	20 April 1846
	Listera	405	20 April 1846
	Lithodome. <i>Lithodomus</i>	407	20 April 1846
	Lithopgages	408	20 April 1846
	Littorine. <i>Littorina</i>	410-412	20 April 1846
	Lituacés. <i>Lituaceae</i>	412	20 April 1846
	Lituite. <i>Lituïtes</i>	412-413	20 April 1846
	Lituolacées.	413	20 April 1846
	Lituole. <i>Lituola</i>	413	20 April 1846
	Lituolées. <i>Lituolae</i>	413	20 April 1846
	Lituus	413	20 April 1846
	Livon	414	20 April 1846
	Livrée	414	20 April 1846
	Loman	428	20 April 1846
	Lomanotus	428	20 April 1846
	Lonier	437	20 April 1846
	Loripède. <i>Loripes</i>	447	20 April 1846
	Lozet	449	20 April 1846
	Lotoire. <i>Lotorium</i>	450	20 April 1846
	Lucerna	456	20 April 1846



APPENDIX 2. — Continuation.

Volume/Livraison/ Cover Date	Deshayes Entry	Pages	Date
(79-91)	Lucernella	457	20 April 1846
(continuation)	Lucerninae	457	20 April 1846
	Lucina	458-460	20 April 1846
	Luisante	462	20 April 1846
	Lulat	462	20 April 1846
	Luna	490	20 April 1846
	Lunatus	490	20 April 1846
	Lunot	490	20 April 1846
	Lunulacardium	490	20 April 1846
	Lupon	493	20 April 1846
	Luponia	493	20 April 1846
	Lutraise. <i>Lutraria</i>	494-496	20 April 1846
	Lutricole. <i>Lutricola</i>	496	20 April 1846
	Lymnaea	515	20 April 1846
	Lymnée. <i>Lymnaea</i>	516-519	20 April 1846
	Lymnéens	519	20 April 1846
	Lymnium	519	20 April 1846
	Lyonsia	520-521	20 April 1846
	Lyre de David	521-522	20 April 1846
After this point, molluscan entries were signed by F. Dujardin			

## APPENDIX 3. — Index of Deshayes species and generic names.

## A

<i>abbreviata</i> , <i>Cylindrella</i> .....	685	<i>acutata</i> , <i>Borsonia</i> .....	653
<i>abbreviata</i> , <i>Cyrena</i> .....	742	<i>acutata</i> , <i>Donax</i> .....	769
<i>abbreviata</i> , <i>Tellina</i> .....	763	<i>acuticosta</i> , <i>Dentalium</i> .....	801
<i>abbreviatum</i> , <i>Dentalium</i> .....	811	<i>acutidens</i> , <i>Cerithium</i> .....	592
<i>abducta</i> , <i>Natica</i> .....	614	<i>acutiformis</i> , <i>Fusus</i> .....	642
<i>abnormalis</i> , <i>Crania</i> .....	809	<i>acutisulcata</i> , <i>Pholadomya</i> .....	794
<i>abnormis</i> , <i>Bithinia</i> ( <i>Nematura</i> ) .....	624	<i>acutum</i> , <i>Cerithium</i> .....	597
<i>abra/atra</i> , <i>Melania</i> .....	602	<i>acutus</i> , <i>Conus</i> .....	651
<i>abreviata</i> , <i>Turritella</i> .....	607	<i>acutus</i> , <i>Fusus</i> .....	642
<i>abrupta</i> , <i>Psammobia</i> .....	771	<i>acutus</i> , <i>Spatangus</i> .....	808
<i>abscondita</i> , <i>Natica</i> .....	592	<i>Acyonaea</i> .....	610
<i>absconditum</i> , <i>Cardium</i> .....	733	<i>adamsi</i> , <i>Scintilla</i> .....	749
<i>absconditum</i> , <i>Cerithium</i> .....	606	<i>adamsi</i> , <i>Triphoris</i> .....	617
<i>absconditum</i> , <i>Dentalium</i> .....	801	<i>adamsii</i> , <i>Soletellina</i> .....	775
<i>acardo</i> , <i>Cardium</i> .....	733	<i>adansoni</i> , <i>Cyclina</i> .....	777
<i>accedens</i> , <i>Cerithium</i> .....	619	<i>adansoni</i> , <i>Terebra</i> .....	658
<i>achates</i> , <i>Doridium</i> .....	673	<i>addita</i> , <i>Terebra</i> .....	658
<i>achatinoides</i> , <i>Paludina</i> .....	591	<i>adolphaei</i> , <i>Cucullaea</i> .....	707
<i>aciculata</i> , <i>Eulima</i> .....	627	<i>adolphei</i> , <i>Natica</i> .....	593
<i>Aciculina</i> .....	554, 555, 668, 669, 675-677	<i>adulterata</i> , <i>Turritella</i> .....	607
<i>aciculum</i> , <i>Dentalium</i> .....	803	<i>adversa</i> , <i>Auricula</i> .....	681
<i>aculeata</i> , <i>Biloculina</i> .....	806	<i>adversidentata</i> , <i>Arca</i> .....	707
<i>aculeata</i> , <i>Purpura</i> .....	646	<i>aemula</i> , <i>Scalaria</i> .....	610
<i>aculeata</i> , <i>Venericardia</i> .....	725	<i>aenea</i> , <i>Donax</i> .....	770
<i>acumen</i> , <i>Eulima</i> .....	627	<i>aequale</i> , <i>Cardium</i> .....	733
<i>acumen</i> , <i>Terebra</i> .....	658	<i>aequale</i> , <i>Dentalium</i> .....	801
<i>acuminata</i> , <i>Auricula</i> .....	670	<i>aequalis</i> , <i>Tellina</i> .....	763
<i>acuminata</i> , <i>Donax</i> .....	770	<i>aequatum</i> , <i>Cerithium</i> .....	603
<i>acuminata</i> , <i>Modiola</i> .....	699	<i>aequilatera</i> , <i>Cyrena</i> .....	742
<i>acuminata</i> , <i>Ovula</i> .....	631	<i>aequilatera</i> , <i>Cytherea</i> .....	779
<i>acuminata</i> , <i>Soletellina</i> .....	775	<i>aequilatera</i> , <i>Mactra</i> .....	757
<i>acuminatum</i> , <i>Dentalium</i> .....	803	<i>aequilateralis</i> , <i>Cyrena</i> .....	742
<i>acuminatum</i> , <i>Odostomia</i> .....	675	<i>aequilateralis</i> , <i>Sphenia</i> .....	789
<i>acuminatus</i> , <i>Parmophorus</i> .....	577	<i>aequistriatum</i> , <i>Cerithium</i> .....	597
<i>acuminatus</i> , <i>Pectunculus</i> .....	706	<i>aequivalvis</i> , <i>Pandora</i> .....	798
<i>acuminatus</i> , <i>Turbo</i> .....	579	<i>affine</i> , <i>Dentalium</i> .....	801
<i>acummiense</i> , <i>Cerithium</i> .....	595	<i>affinis</i> , <i>Coralliophaga</i> .....	733
<i>acuncula</i> , <i>Eulima</i> .....	627	<i>affinis</i> , <i>Cyrena</i> .....	742
<i>acus</i> , <i>Cerithium</i> .....	602	<i>affinis</i> , <i>Donax</i> .....	769
<i>acuta</i> , <i>Natica</i> .....	592	<i>affinis</i> , <i>Dosinia</i> .....	779
<i>acuta</i> , <i>Terebra</i> .....	658	<i>affinis</i> , <i>Erycina</i> .....	753
<i>acutangula</i> , <i>Arca</i> .....	799	<i>affinis</i> , <i>Hyalaea</i> .....	674
<i>acutangula</i> , <i>Cypricardia</i> .....	732	<i>affinis</i> , <i>Opis</i> .....	730
<i>acutangula</i> , <i>Donax</i> .....	770	<i>affinis</i> , <i>Pholas</i> .....	791
<i>acutangula</i> , <i>Marginella</i> .....	635	<i>affinis</i> , <i>Scalaria</i> .....	610
<i>acutangula</i> , <i>Tellina</i> .....	763	<i>affinis</i> , <i>Teredo</i> .....	792
<i>acutangularis</i> , <i>Cyrena</i> .....	742	<i>affinis</i> , <i>Triforis</i> .....	617
<i>acutangularis</i> , <i>Pleurotoma</i> .....	664	<i>affinis</i> , <i>Triton</i> .....	634
<i>acutangulum</i> , <i>Cerithium</i> .....	602	<i>africanus</i> , <i>Hemipneustes</i> .....	809
<i>acutangulus</i> , <i>Conus</i> .....	653	<i>agglutinans</i> , <i>Chaena</i> .....	795
<i>acutangulus</i> , <i>Mytilus</i> .....	699	<i>agglutinans</i> , <i>Trochus</i> .....	635
		<i>Aghatina</i> .....	684
		<i>aizyensis</i> , <i>Avicula</i> .....	708
		<i>aizyensis</i> , <i>Cardita</i> .....	725



APPENDIX 3. — Continuation.

<i>aizyensis</i> , <i>Diplodonta</i> .....	777	<i>ambulacrum</i> , <i>Spatangus</i> .....	808
<i>aizyensis</i> , <i>Mitra</i> .....	649	<i>americana</i> , <i>Ostrea</i> .....	713
<i>aizyensis</i> , <i>Scalaria</i> .....	610	<i>ammonia</i> , <i>Helix</i> .....	690
<i>aizyensis</i> , <i>Tornatella</i> .....	669	<i>ammonoides</i> , <i>Bifrontia</i> .....	607
<i>alapapilionis</i> , <i>Natica</i> .....	616	<i>amoena</i> , <i>Psammobia</i> .....	771
<i>alba</i> , <i>Pleurotoma</i> .....	657	<i>amoena</i> , <i>Tellina</i> .....	763
<i>alba</i> , <i>Tapes</i> .....	779	<i>amoena</i> , <i>Terebra</i> .....	658
<i>albida</i> , <i>Circe</i> .....	779	<i>amphidesmoides</i> , <i>Lucina</i> .....	720
<i>albida</i> , <i>Pleurotoma</i> .....	656	<i>ampulla</i> , <i>Marginella</i> .....	630
<i>albina</i> , <i>Mactra</i> .....	756	<i>ampullacea</i> , <i>Corbula</i> .....	790
<i>albocingulatum</i> , <i>Triton</i> .....	634	<i>ampullaceum</i> , <i>Buccinum</i> .....	645
<i>alboflava</i> , <i>Hastula</i> .....	664	<i>amygdalina</i> , <i>Cyrena</i> .....	742
<i>albomarginata</i> , <i>Purpura</i> .....	646	<i>amygdaloides</i> , <i>Arca</i> ( <i>Barbatia</i> ) .....	702
<i>albomarginata</i> , <i>Terebra</i> .....	658	<i>amygdaloides</i> , <i>Modiola</i> .....	701
<i>albopunctata</i> , <i>Aphysia</i> .....	673	<i>Anadara</i> .....	702-705, 871
<i>alderi</i> , <i>Eolis</i> .....	671	<i>analoga</i> , <i>Cytherea</i> .....	780
<i>alderiana</i> , <i>Eolis</i> .....	671	<i>analoga</i> , <i>Modiola</i> .....	699
<i>algira</i> , <i>Patella</i> .....	577	<i>analogus</i> , <i>Chenopus</i> .....	631
<i>aliena</i> , <i>Cardita</i> .....	725	<i>anatinoides</i> , <i>Sphenia</i> .....	789
<i>alligata</i> , <i>Tornatella</i> .....	675	<i>anceps</i> , <i>Gervillia</i> .....	709
<i>alligatum</i> , <i>Cerithium</i> .....	595	<i>anceps</i> , <i>Unio</i> .....	719
<i>alphonsi</i> , <i>Helix</i> .....	684	<i>anceps</i> , <i>Venus</i> .....	780
<i>alta</i> , <i>Mactra</i> .....	756	<i>Ancilia</i> .....	628
<i>alta</i> , <i>Valvata</i> .....	622	<i>ancillaroides</i> , <i>Melanopsis</i> .....	600
<i>altavillensis</i> , <i>Neritopsis</i> .....	588	<i>angistoma</i> , <i>Auricula</i> .....	682
<i>alter</i> , <i>Limopsis</i> .....	708	<i>angistoma</i> , <i>Bulla</i> .....	672
<i>altera</i> , <i>Arca</i> .....	702	<i>angistoma</i> , <i>Nerita</i> .....	587
<i>altera</i> , <i>Tellina</i> .....	763	<i>anguillinus</i> , <i>Serpulorbis</i> .....	620
<i>altera</i> , <i>Tornatella</i> .....	669	<i>angularis</i> , <i>Conus</i> .....	652
<i>alternans</i> , <i>Cerithium</i> .....	603	<i>angularis</i> , <i>Modiola</i> .....	699
<i>alternans</i> , <i>Pupa</i> .....	682	<i>angulata</i> , <i>Ampullaria</i> .....	590
<i>althei</i> , <i>Leda</i> .....	698	<i>angulata</i> , <i>Cyrena</i> ( <i>Anomala</i> ) .....	743
<i>altior</i> , <i>Dosinia</i> .....	779	<i>angulata</i> , <i>Mesostoma</i> .....	610
<i>alveolatum</i> , <i>Cardium</i> .....	734	<i>angulata</i> , <i>Sphenia</i> .....	789
<i>alveolatum</i> , <i>Cerithium</i> .....	618	<i>angulata</i> , <i>Tellina</i> or <i>Psammobia</i> .....	769
<i>amabilis</i> , <i>Cardita</i> .....	725	<i>angulifera</i> , <i>Cancellaria</i> .....	638
<i>ambigena</i> , <i>Bulla</i> ( <i>Cylichna</i> ) .....	672	<i>angulifera</i> , <i>Mactra</i> .....	757
<i>ambigua</i> , <i>Cardita</i> .....	725	<i>angulosa</i> , <i>Pleurotoma</i> .....	656
<i>ambigua</i> , <i>Chione</i> .....	779	<i>angulosum</i> , <i>Cardium</i> .....	734
<i>ambigua</i> , <i>Corbicula</i> .....	742	<i>angulus</i> , <i>Mesodesma</i> .....	761
<i>ambigua</i> , <i>Cytherea</i> .....	779	<i>angusta</i> , <i>Borsonia</i> .....	653
<i>ambigua</i> , <i>Galeomma</i> .....	749	<i>angusta</i> , <i>Cerithium perelegans</i> .....	619
<i>ambigua</i> , <i>Modiola</i> .....	699	<i>angusta</i> , <i>Crassatella</i> .....	728
<i>ambigua</i> , <i>Ostrea</i> .....	713	<i>angusta</i> , <i>Cyrena</i> .....	743
<i>ambigua</i> , <i>Poromya</i> .....	741	<i>angusta</i> , <i>Fistulana</i> .....	795
<i>ambigua</i> , <i>Psammotella</i> .....	775	<i>angusta</i> , <i>Galeomma</i> .....	750
<i>ambigua</i> , <i>Scintilla</i> .....	749	<i>angusta</i> , <i>Lutraria</i> .....	756
<i>ambigua</i> , <i>Trigona</i> .....	780	<i>angusta</i> , <i>Mactra</i> .....	757
<i>ambigua</i> , <i>Turbonilla</i> .....	676	<i>angusta</i> , <i>Mesodesma</i> .....	761
<i>ambigua</i> , <i>Turritella</i> .....	607	<i>angusta</i> , <i>Modiola</i> .....	698
<i>ambiguum</i> , <i>Buccinum</i> .....	640	<i>angusta</i> , <i>Niso</i> .....	627
<i>ambiguus</i> , <i>Planorbis</i> .....	680	<i>angusta</i> , <i>Ostrea</i> .....	710
<i>ambiguus</i> , <i>Triforis</i> .....	617	<i>angusta</i> , <i>Psammobia</i> .....	771
<i>amboynensis</i> , <i>Tellina</i> .....	763	<i>angusta</i> , <i>Scalaria</i> .....	610

## APPENDIX 3. — Continuation.

<i>angusta, Siliqua</i> .....	794	<i>apicalis, Sportella</i> .....	741
<i>angusta, Sphenia</i> .....	789	<i>apicina, Mactra</i> .....	757
<i>angusta, Sportella</i> .....	750	<i>apicina, Terebra</i> .....	658
<i>angusta, Terebra</i> .....	792	<i>Aplysiopsis</i> .....	675
<i>angusta, Triloculina</i> .....	806	<i>appendiculatus, Solen (Macropsammus)</i> .....	775
<i>angusta, Turbonilla</i> .....	676	<i>approximata, Erycina</i> .....	753
<i>angusta, Voluta</i> .....	636	<i>approximata, Pleurotoma</i> .....	655
<i>angusta, Vulsella</i> .....	710	<i>approximata, Terebra</i> .....	658
<i>angusticardo, Pectunculus</i> .....	706	<i>approximatus, Fusus</i> .....	642
<i>angusticostata, Venericardia</i> .....	725	<i>Aptycus</i> .....	803
<i>angustidens, Cyrena</i> .....	748	<i>arbuticola, Helix</i> .....	694
<i>angustissimus, Triphoris</i> .....	617	<i>archiaci, Cardita</i> .....	725
<i>angustum, Cerithium</i> .....	595	<i>archimedis, Cerithium</i> .....	618
<i>angustum, Dentalium</i> .....	801	<i>archimedis, Terebra</i> .....	658
<i>angustum, Triton</i> .....	642	<i>arcta, Erycina</i> .....	753
<i>angustus, Fusus</i> .....	650	<i>arcta, Turbonilla</i> .....	676
<i>angustus, Parmophorus</i> .....	577	<i>arctata, Cyrena</i> .....	743
<i>angustus, Solen</i> .....	794	<i>arctata, Marginella</i> .....	635
<i>angustus, Trochus</i> .....	583	<i>arcuata, Articulina</i> .....	806
<i>angystoma, Cypraea</i> .....	629	<i>arcuata, Eulima</i> .....	627
<i>angystoma, Eulima</i> .....	627	<i>arcuata, Lutraria</i> .....	757
<i>angystoma, Marginella</i> .....	635	<i>arcuata, Petricola</i> .....	788
<i>angystoma, Mitra</i> .....	650	<i>arcuata, Sphenia</i> .....	750
<i>Anisodonta</i> .....	741	<i>arcuatus, Nautilus</i> .....	804
<i>annulata, Creseis</i> .....	674	<i>ardouini, Helix</i> .....	694
<i>annulatus, Hamites</i> .....	803	<i>arenaria, Ostrea</i> .....	713
<i>annulatus, Turbo</i> .....	586	<i>arenarius, Vermetus</i> .....	620
<i>annulosa, Orthocera</i> .....	804	<i>arenularia, Lymnaea</i> .....	678
<i>annulus, Aspergillum</i> .....	797	<i>areolata, Arca</i> .....	702
<i>anodon, Pupa</i> .....	689	<i>argentea, Galeomma</i> .....	750
<i>Anomala</i> .....	553, 554, 742-746	<i>argentina, Modiola</i> .....	699
<i>anomala, Cyrena</i> .....	743	<i>argenvillii, Terebra</i> .....	658
<i>anomala, Psammobia</i> .....	771	<i>Argobuccinum</i> .....	640
<i>anomala, Scintilla</i> .....	750	<i>argus, Lucina</i> .....	725
<i>anomala, Vulsella</i> .....	710	<i>artemis, Circe</i> .....	780
<i>Anomia</i> .....	674, 708, 714, 810, 871	<i>articulata, Arca (Barbatia)</i> .....	702
<i>antediluviana, Truncatella</i> .....	624	<i>arvernensis, Cyrena</i> .....	743
<i>antiqua, Achatina</i> .....	602	<i>arvernensis, Helix</i> .....	692
<i>antiqua, Corbulomya</i> .....	790	<i>Arythaena</i> .....	797
<i>antiqua, Cypraea</i> .....	629	<i>asper, Triforis</i> .....	617
<i>antiqua, Cypricardia</i> .....	733	<i>asperum, Cerithium</i> .....	595
<i>antiqua, Patella</i> .....	577	<i>asperula, Arca (Barbatia)</i> .....	702
<i>antiqua, Pleurotoma</i> .....	664	<i>asperula, Cancellaria</i> .....	638, 639
<i>antiqua, Poromya</i> .....	741	<i>asperula, Helix</i> .....	692
<i>antiqua, Turritella</i> .....	607	<i>asperula, Venericardia</i> .....	726
<i>antiquum, Cerithium</i> .....	603	<i>assula, Bulla (Utriculus)</i> .....	672
<i>antiquum, Triton</i> .....	634	<i>astartoides, Cardita</i> .....	726
<i>aperta, Arca</i> .....	702	<i>atomus, Cardita</i> .....	726
<i>aperta, Pholas</i> .....	791	<i>atrata, Batissa</i> .....	743
<i>apertissima, Gastrochaena</i> .....	795	<i>atrata, Soletellina</i> .....	775
<i>apertum, Cerithium</i> .....	594	<i>atrolineata, Helix</i> .....	694
<i>aperturatum, Cardium</i> .....	734	<i>atromarginata, Purpura</i> .....	646
<i>apertus, Mytilus</i> .....	749	<i>atropos, Helix</i> .....	686
<i>aphrodina, Mactra</i> .....	757	<i>attenuata, Mactra</i> .....	757



APPENDIX 3. — Continuation.

<i>attenuata</i> , <i>Modiola</i> .....	699	<i>basteroti</i> , <i>Cancellaria</i> .....	638
<i>attenuata</i> , <i>Pleurotoma</i> .....	657	<i>basteroti</i> , <i>Cardita</i> .....	726
<i>attenuata</i> , <i>Tellina</i> .....	763	<i>basteroti</i> , <i>Cardium</i> ( <i>Cerastoderma</i> ) .....	739
<i>aturi</i> , <i>Murex</i> .....	646	<i>basteroti</i> , <i>Mytilus</i> .....	749
<i>audebardi</i> , <i>Melanopsis</i> .....	600	<i>basteroti</i> , <i>Tellina</i> .....	771
<i>audebarti</i> , <i>Achatina</i> .....	691	<i>basteroti</i> , <i>Venus</i> .....	780
<i>aurantia</i> , <i>Galeomma</i> .....	752	<i>basterotii</i> , <i>Cerithium</i> .....	595
<i>aurantia</i> , <i>Lucina</i> .....	720	<i>basterotina</i> , <i>Donax</i> .....	769
<i>aurantiaca</i> , <i>Scintilla</i> .....	750	<i>baudini</i> , <i>Helix</i> .....	690
<i>aurantiacum</i> , <i>Cyclostoma</i> .....	622	<i>baudoni</i> , <i>Argiope</i> .....	809
<i>aureliana</i> , <i>Helix</i> .....	692	<i>baudoni</i> , <i>Bulimus</i> .....	688
<i>aurelianensis</i> , <i>Achatina</i> .....	687	<i>baudoni</i> , <i>Cerithium</i> .....	618
<i>auricularis</i> , <i>Calyptraea</i> .....	628	<i>baudoni</i> , <i>Erycina</i> .....	753
<i>auriculatum</i> , <i>Cerithium</i> .....	598	<i>baudoni</i> , <i>Lucina</i> .....	720
<i>australis</i> , <i>Batissa</i> .....	743	<i>baudoni</i> , <i>Pholas</i> ( <i>Martesia</i> ) .....	792
<i>australis</i> , <i>Calyptraea</i> .....	628	<i>baudoni</i> , <i>Planorbis</i> .....	667
<i>australis</i> , <i>Cyrena</i> .....	743	<i>baudoni</i> , <i>Pleurotoma</i> .....	657
<i>australis</i> , <i>Erycina</i> .....	753	<i>baudoni</i> , <i>Poromya</i> .....	741
<i>australis</i> , <i>Lutraria</i> .....	757	<i>baudoni</i> , <i>Psammobia</i> .....	771
<i>australis</i> , <i>Tellina</i> .....	763	<i>baudoni</i> , <i>Sphenia</i> .....	789
<i>austriacum</i> , <i>Cardium</i> .....	734	<i>baudoni</i> , <i>Terebratula</i> .....	810
<i>auversiense</i> , <i>Buccinum</i> .....	645	<i>baudoni</i> , <i>Turbo</i> .....	586
<i>auversiensis</i> , <i>Arca</i> ( <i>Barbatia</i> ) .....	702	<i>baudoni</i> , <i>Voluta</i> .....	636
<i>auversiensis</i> , <i>Bulimus</i> .....	688	<i>bavaricum</i> , <i>Cardium</i> .....	698
<i>auversiensis</i> , <i>Diplodonta</i> .....	777	<i>baylei</i> , <i>Rostellaria</i> .....	632
<i>auversiensis</i> , <i>Donax</i> .....	769	<i>bazini</i> , <i>Cardita</i> .....	726
<i>auversiensis</i> , <i>Emarginula</i> .....	580	<i>bazini</i> , <i>Cardium</i> .....	734
<i>auversiensis</i> , <i>Murex</i> .....	646	<i>bazini</i> , <i>Perna</i> .....	709
<i>auversiensis</i> , <i>Nerita</i> .....	587	<i>bazini</i> , <i>Thracia</i> .....	776
<i>auversiensis</i> , <i>Patella raincourti</i> .....	577	<i>beani</i> , <i>Cardium</i> .....	732
<i>auversiensis</i> , <i>Scalaria</i> .....	610	<i>belangeri</i> , <i>Helix</i> .....	690
<i>avenacea</i> , <i>Marginella</i> .....	635	<i>belcheri</i> , <i>Cardita</i> .....	726
<i>avia</i> , <i>Cytherea</i> .....	780	<i>bella</i> , <i>Donax</i> .....	770
<i>aviculina</i> , <i>Arca</i> ( <i>Barbatia</i> ) .....	702	<i>bellardii</i> , <i>Borsonia</i> .....	654
<i>aviculina</i> , <i>Perna</i> .....	709	<i>bellardii</i> , <i>Ovula</i> .....	630
<i>aviculinum</i> , <i>Cardium</i> .....	734	<i>bellovacina</i> , <i>Crassatella</i> .....	728
		<i>bellovacina</i> , <i>Cytherea</i> .....	780
		<i>bellovacina</i> , <i>Turritella</i> .....	607
		<i>bellovacinum</i> , <i>Cerithium</i> .....	595
		<i>Beloptera</i> .....	805
		<i>bengalensis</i> , <i>Corbicula</i> .....	743
		<i>bensoni</i> , <i>Corbicula</i> .....	743
		<i>berghi</i> , <i>Marsenia</i> .....	631
		<i>bernardii</i> , <i>Terebra</i> .....	659
		<i>bernayi</i> , <i>Arca</i> ( <i>Barbatia</i> ) .....	702
		<i>bernayi</i> , <i>Erycina</i> .....	753
		<i>bernayi</i> , <i>Modiola</i> ( <i>Modiolaris</i> ) .....	699
		<i>bernayi</i> , <i>Murex</i> .....	646
		<i>bernayi</i> , <i>Tellina</i> ( <i>Arcopagia</i> ) .....	763
		<i>berthelini</i> , <i>Helix</i> .....	683
		<i>bervillei</i> , <i>Fusus</i> .....	640
		<i>bervillei</i> , <i>Psammobia</i> .....	780
		<i>bervillii</i> , <i>Limnaea</i> .....	679
		<i>beyrichi</i> , <i>Cerithium</i> .....	594
<b>B</b>			
<i>Baccinum</i> .....	640		
<i>bachelieri</i> , <i>Isocardia</i> .....	755		
<i>bacillaris</i> , <i>Clavagella</i> .....	797		
<i>bacillus</i> , <i>Terebra</i> .....	658		
<i>bacillus</i> , <i>Triforis</i> .....	617		
<i>badia</i> , <i>Terebra</i> .....	659		
<i>bakeri</i> , <i>Pholas</i> .....	792		
<i>barbieri</i> , <i>Lucina</i> .....	720		
<i>barbieri</i> , <i>Mitra</i> .....	649		
<i>barrandei</i> , <i>Scalaria</i> .....	610		
<i>barrandei</i> , <i>Tellina</i> .....	763		
<i>barrandii</i> , <i>Helix</i> .....	692		
<i>barrandii</i> , <i>Voluta</i> .....	636		

## APPENDIX 3. — Continuation.

<i>beyrichi</i> , <i>Helix</i> .....	692	<i>blainvillei</i> , <i>Belemnites</i> .....	804
<i>beyrichi</i> , <i>Tellina</i> .....	763	<i>blainvillei</i> , <i>Buccinum</i> .....	640
<i>bianconii</i> , <i>Cerithium</i> .....	598	<i>blainvillei</i> , <i>Cerithium</i> .....	603
<i>bianconii</i> , <i>Helix</i> .....	685	<i>blainvillei</i> , <i>Natica</i> .....	614
<i>biangula</i> , <i>Corbula</i> .....	790	<i>blainvillei</i> , <i>Purpura</i> .....	647
<i>biangularis</i> , <i>Tellina</i> .....	763	<i>blainvillei</i> , <i>Solenomya</i> .....	698
<i>biangularis</i> , <i>Terebratula</i> .....	810	<i>blainvillii</i> , <i>Sepia</i> .....	805
<i>biangulata</i> , <i>Corbula</i> .....	790	<i>blanda</i> , <i>Terebra</i> .....	659
<i>biangulata</i> , <i>Delphinula</i> .....	585	<i>blosvillei</i> , <i>Fusus</i> .....	647
<i>biangulata</i> , <i>Rissoa</i> .....	621	<i>boblayei</i> , <i>Diceras</i> .....	731
<i>biangulatus</i> , <i>Fusus</i> .....	642	<i>boblayei</i> , <i>Ostrea</i> .....	710
<i>bicarinata</i> , <i>Psammobia</i> .....	772	<i>boblayi</i> , <i>Cerithium</i> .....	592
<i>bicarinata</i> , <i>Rostellaria</i> .....	632	<i>boissyi</i> , <i>Cyclas</i> .....	762
<i>bicarinatum</i> , <i>Dentalium</i> .....	801	<i>boissyi</i> , <i>Planorbis</i> .....	680
<i>bicarinatus</i> , <i>Fusus</i> .....	640	<i>boissyi</i> , <i>Succinea</i> .....	685
<i>bicarinatus</i> , <i>Vermetus</i> .....	607	<i>bonardi</i> , <i>Cerithium</i> .....	603
<i>bicinctum</i> , <i>Triton</i> .....	634	<i>bonelli</i> , <i>Auricula</i> .....	670
<i>bicolor</i> , <i>Cardium</i> .....	734	<i>bonelli</i> , <i>Cerithium</i> .....	603
<i>bicoronata</i> , <i>Nerita</i> .....	587	<i>Bonellia</i> .....	627
<i>bicostatus</i> , <i>Murex</i> .....	646	<i>bonnardi</i> , <i>Cerithium</i> .....	603
<i>bidens</i> , <i>Diplodonta</i> .....	777	<i>borbonica</i> , <i>Amphidesma</i> .....	776
<i>bidentata</i> , <i>Rostellaria</i> .....	632	<i>borbonica</i> , <i>Anisodonta</i> .....	741
<i>bifasciata</i> , <i>Cancellaria</i> .....	638	<i>borbonica</i> , <i>Helix</i> .....	694
<i>bifida</i> , <i>Pupa</i> .....	689	<i>borbonica</i> , <i>Ovula</i> .....	630
<i>bifidum</i> , <i>Solarium</i> ( <i>Thorinia</i> ) .....	667	<i>borbonica</i> , <i>Prasina</i> .....	674
<i>bifidus</i> , <i>Fusus</i> .....	643	<i>borbonicus</i> , <i>Chiton</i> .....	800
<i>bifissuratum</i> , <i>Dentalium</i> .....	803	<i>borneensis</i> , <i>Scintilla</i> .....	755
<i>Bifrontia</i> .....	607-609	<i>bornii</i> , <i>Helix</i> .....	691
<i>bifurcata</i> , <i>Helix</i> .....	696	<i>boryi</i> , <i>Cytherea</i> .....	780
<i>bigeminata</i> , <i>Pupa</i> .....	682	<i>boryi</i> , <i>Venus</i> .....	780
<i>biimpressa</i> , <i>Diplodonta</i> .....	777	<i>bouei</i> , <i>Cardium</i> .....	734, 738
<i>bilabiatus</i> , <i>Gadus</i> .....	803	<i>bouei</i> , <i>Cerithium</i> .....	598
<i>bilineata</i> , <i>Mactra</i> .....	757	<i>bouei</i> , <i>Dentalium</i> .....	801
<i>bilobata</i> , <i>Arca</i> .....	702	<i>bouei</i> , <i>Voluta</i> .....	636
<i>bimaculata</i> , <i>Cardita</i> .....	726	<i>bouilleti</i> , <i>Cyrena</i> .....	743
<i>bimarginata</i> , <i>Auricula</i> .....	676	<i>bourgeoisii</i> , <i>Ancylus</i> .....	680
<i>bimarginata</i> , <i>Melania</i> ( <i>Chemnitzia</i> ) .....	588	<i>Bourgetia</i> .....	589
<i>bimarginatum</i> , <i>Solarium</i> ( <i>Thorinia</i> ) .....	667	<i>bourguignati</i> , <i>Pupa</i> .....	684
<i>bimarginatus</i> , <i>Turbo</i> .....	585	<i>bourguignati</i> , <i>Terebra</i> .....	659
<i>biochii</i> , <i>Mytilus</i> .....	699	<i>bracteola</i> , <i>Erycina</i> .....	753
<i>bipartita</i> , <i>Cerithium trochleare</i> .....	603	<i>bracteola</i> , <i>Helix</i> .....	691
<i>bipartita</i> , <i>Petricola</i> .....	788	<i>branderi</i> , <i>Voluta</i> .....	638
<i>bipartita</i> , <i>Terebra</i> .....	659	<i>brardi</i> , <i>Limnaea</i> .....	679
<i>biplicata</i> , <i>Auricula</i> .....	682	<i>brasiliiana</i> , <i>Corbicula</i> .....	743
<i>biplicatum</i> , <i>Odostomia</i> .....	676	<i>brasiliiana</i> , <i>Helix</i> .....	691
<i>biradiata</i> , <i>Tapes</i> .....	780	<i>braunni</i> , <i>Cardium</i> .....	699
<i>bisaculeata</i> , <i>Rotalia</i> .....	808	<i>breve</i> , <i>Dentalium</i> .....	802
<i>biseriale</i> , <i>Cerithium</i> .....	598	<i>brevialatum</i> , <i>Cardium</i> .....	734
<i>bistriata</i> , <i>Pleurotoma</i> .....	655	<i>breviauritus</i> , <i>Pecten</i> .....	714
<i>bistriatum</i> , <i>Solarium</i> .....	667	<i>brevicauda</i> , <i>Avicula</i> .....	708
<i>bitorquata</i> , <i>Terebra</i> .....	659	<i>brevicauda</i> , <i>Fusus</i> .....	640
<i>biumbilicata</i> , <i>Bulla</i> ( <i>Haminea</i> ) .....	672	<i>brevicauda</i> , <i>Pleurotoma</i> .....	654
<i>bizonalis</i> , <i>Helix</i> .....	691	<i>brevicula</i> , <i>Pleurotoma</i> .....	654, 664
<i>bizonata</i> , <i>Canidia</i> .....	645	<i>brevicula</i> , <i>Scalaria</i> .....	610





## APPENDIX 3. — Continuation.

<i>caillati</i> , <i>Turritella</i> .....	607	<i>capillacea</i> , <i>Mactra</i> .....	757
<i>cailleti</i> , <i>Aplysia</i> .....	673	<i>capillacea</i> , <i>Nucula</i> .....	697
<i>cailliaudi</i> , <i>Rostellaria</i> .....	632	<i>capillaceum</i> , <i>Cerithium</i> .....	595
<i>cailliaudii</i> , <i>Helix</i> .....	694	<i>capillaris</i> , <i>Modiola</i> .....	700
<i>calantica</i> , <i>Cassis</i> .....	633	<i>Capsella</i> .....	553, 554, 771-775
<i>calcar</i> , <i>Calcarina</i> .....	806	<i>Carcris</i> .....	806
<i>calceolina</i> , <i>Crepidula</i> .....	628	<i>cardiacea</i> , <i>Unio</i> .....	719
<i>Calcinella</i> .....	776	<i>cardiformis</i> , <i>Cyrena</i> .....	748
<i>caliculaeformis</i> , <i>Cardita</i> .....	726	<i>Cardilia</i> .....	760, 817, 850
<i>californica</i> , <i>Cardita</i> .....	726	<i>cardioides</i> , <i>Cyrena</i> .....	743, 745
<i>californica</i> , <i>Mactra</i> .....	757	<i>cardiolum</i> , <i>Pisidium</i> .....	762
<i>californiense</i> , <i>Cardium</i> .....	734	<i>Cardium</i> ( <i>Discors</i> ) .....	733
<i>caliginosa</i> , <i>Terebra</i> .....	659	<i>caribaea</i> , <i>Loligo</i> .....	805
<i>callifera</i> , <i>Delphinula</i> .....	584	<i>Carinaroides</i> .....	617
<i>Callitrichus</i> .....	699	<i>carinata</i> , <i>Cypricardia</i> .....	755
<i>callosa</i> , <i>Neritina</i> .....	587	<i>carinata</i> , <i>Pleurotoma</i> .....	657
<i>callosa</i> , <i>Sportella</i> .....	772	<i>carinatum</i> , <i>Cardium</i> .....	734, 739
<i>callosa</i> , <i>Tellina</i> .....	763	<i>carinatum</i> , <i>Scalenostoma</i> .....	627
<i>callosus</i> , <i>Strombus</i> .....	632	<i>carinifera</i> , <i>Turritella</i> .....	607
<i>callosus</i> , <i>Turbo</i> .....	579	<i>carinulata</i> , <i>Mactra</i> .....	757
<i>calophora</i> , <i>Pleurotoma</i> .....	655	<i>carinulatum</i> , <i>Cerithium</i> .....	592
<i>calvimontana</i> , <i>Avicula</i> .....	708	<i>cariosa</i> , <i>Ostrea</i> .....	713
<i>calvimontana</i> , <i>Borsonia</i> .....	654	<i>caroliniensis</i> , <i>Cyrena</i> .....	743
<i>calvimontana</i> , <i>Cytherea</i> .....	780	<i>carolus</i> , <i>Helix</i> .....	694
<i>calvimontana</i> , <i>Natica</i> .....	614	<i>caroni</i> , <i>Helix</i> .....	695
<i>calvimontana</i> , <i>Pyramidella</i> .....	676	<i>carpenteri</i> , <i>Caecum</i> .....	623
<i>calvimontanum</i> , <i>Cerithium</i> .....	595	<i>casanovei</i> , <i>Anomia</i> .....	714
<i>calvimontanum</i> , <i>Solarium</i> ( <i>Thorinia</i> ) .....	667	<i>cashmiriensis</i> , <i>Corbicula</i> .....	743
<i>calvimontanus</i> , <i>Conus</i> .....	652	<i>casinula</i> , <i>Venus</i> .....	780
<i>calyculata</i> , <i>Erycina</i> .....	753	<i>caspicum</i> , <i>Cardium</i> .....	734
<i>calyptraeiformis</i> , <i>Crepidula</i> .....	628	<i>castanea</i> , <i>Ampullaria</i> .....	590
<i>Camostraea</i> .....	798	<i>castanea</i> , <i>Cardita</i> .....	726
<i>campaniensis</i> , <i>Planorbis</i> .....	680	<i>castanea</i> , <i>Littorina</i> .....	613
<i>campanulata</i> , <i>Teredo</i> .....	793	<i>castellanensis</i> , <i>Tellina</i> .....	763
<i>Campulites</i> .....	804	<i>castrensis</i> , <i>Pullastra</i> .....	780
<i>canaliculata</i> , <i>Cancellaria</i> .....	638	<i>catalaunense</i> , <i>Cerithium</i> .....	595
<i>canaliculus</i> , <i>Parmophorus</i> .....	577	<i>catenatum</i> , <i>Cerithium</i> .....	603
<i>cancellaroides</i> , <i>Mesostoma</i> .....	610	<i>catenula</i> , <i>Pleurotoma</i> .....	654
<i>cancellata</i> , <i>Pleurotoma</i> .....	664	<i>catinus</i> , <i>Planorbis</i> .....	667
<i>cancellata</i> , <i>Trigonocoelia</i> .....	707	<i>caumontiensis</i> , <i>Cardita</i> .....	726
<i>cancellatus</i> , <i>Serpulorbis</i> .....	620	<i>centralis</i> , <i>Patella</i> .....	578
<i>candida</i> , <i>Anatinella</i> .....	760	<i>chalangensis</i> , <i>Paludina</i> .....	591
<i>candida</i> , <i>Dione</i> .....	780	<i>chamata</i> , <i>Mactra</i> .....	756
<i>candida</i> , <i>Scintilla</i> .....	750	<i>chapuisi</i> , <i>Murex</i> .....	647
<i>candidula</i> , <i>Bulla</i> .....	672	<i>chapuisi</i> , <i>Pleurotoma</i> .....	655
<i>candidula</i> , <i>Psammobia</i> .....	772	<i>charpentieri</i> , <i>Cyrena</i> .....	748
<i>candidus</i> , <i>Bulimus</i> .....	684	<i>chastellii</i> , <i>Helix</i> .....	693
<i>candidus</i> , <i>Solecurtus</i> .....	794	<i>chemnitziana</i> , <i>Clausilia</i> .....	693
<i>cannabina</i> , <i>Lucina</i> .....	721	<i>chemnitzii</i> , <i>Mesodesma</i> .....	761
<i>cantrainei</i> , <i>Clausilia</i> .....	689	<i>chemnitzii</i> , <i>Strombus</i> .....	631
<i>capellinii</i> , <i>Pleurotoma</i> .....	657	<i>Chenopidae</i> .....	576, 631
<i>capensis</i> , <i>Lutraria</i> .....	757	<i>chertieri</i> , <i>Helix</i> .....	683
<i>capillacea</i> , <i>Arca</i> .....	707	<i>chertieri</i> , <i>Planorbis</i> .....	680
<i>capillacea</i> , <i>Cytherea</i> .....	780	<i>chevalieri</i> , <i>Corbulomya</i> .....	790



APPENDIX 3. — Continuation.

<i>chevalieri, Cypricardia</i> .....	732	<i>coarctata, Helix</i> .....	694
<i>chevalieri, Passya</i> .....	750	<i>coarctata, Pupa</i> .....	687
<i>chevalieri, Tornatella</i> .....	669	<i>coccineus, Turbo</i> .....	586
<i>chilensis, Terebra</i> .....	659	<i>cochlearella, .....</i>	624, 800
<i>chinensis, Caecella</i> .....	761	<i>cochlearella, Corbula</i> .....	800
<i>chinensis, Capsa (Capsella)</i> .....	772	<i>Cochlostila</i> .....	694
<i>chinensis, Petricola</i> .....	788	<i>coelata, Bulla (Cylicna)</i> .....	671
<i>chinensis, Pinna</i> .....	710	<i>coelata, Diplodonta</i> .....	777
<i>chinensis, Terebra</i> .....	659	<i>coelatus, Parmophorus</i> .....	577
<i>chinensis, Venerupis</i> .....	780	<i>coelestis, Goniodoris</i> .....	671
<i>Chironia</i> .....	753, 873	<i>collaterale, Cerithium</i> .....	603
<i>Chitonella</i> .....	801	<i>collustrata, Tellina</i> .....	764
<i>chloroleuca, Galeomma</i> .....	750	<i>columbellina, Marginella</i> .....	635
<i>Choena</i> .....	795, 873	<i>columnaris, Physa</i> .....	680
<i>chrysostoma, Purpura</i> .....	647	<i>columnaris, Terebra</i> .....	659
<i>cicatricosa, Cassis</i> .....	633	<i>columnella, Achatina</i> .....	684
<i>cicercula, Helix</i> .....	696	<i>columnella, Pleurotoma</i> .....	657
<i>cimex, Auricula</i> .....	682	<i>comata, Lima</i> .....	718
<i>cincta, Bulla (Haminea)</i> .....	673	<i>comatus, Hipponyx</i> .....	612
<i>cincta, Pleurotoma</i> .....	655	<i>commune, Cerithium</i> .....	606
<i>cincta, Rissoa</i> .....	622	<i>communis, Triloculina</i> .....	806
<i>cincta, Teredo</i> .....	792	<i>complanata, Donax</i> .....	771
<i>cinctella, Terebra</i> .....	659	<i>complanata, Helix</i> .....	694
<i>cinerea, Tapes</i> .....	780	<i>complanata, Mactra</i> .....	758
<i>cingulata, Rissoa</i> .....	621	<i>complanata, Plicatula</i> .....	717
<i>cingulina, Helix</i> .....	692	<i>complanata, Venericardia</i> .....	726
<i>circinaria, Dosinia</i> .....	780	<i>complanatum, Anisodonta</i> .....	741
<i>circinata, Terebra</i> .....	659	<i>complanatum, Teinostoma</i> .....	625
<i>circinatum, Cerithium</i> .....	603	<i>compressa, Belosepia</i> .....	805
<i>circularis, Cytherea</i> .....	780	<i>compressa, Corbicula</i> .....	743
<i>circularis, Venus</i> .....	780	<i>compressa, Cyrena</i> .....	743
<i>circumcincta, Terebra</i> .....	659	<i>compressa, Mactra</i> .....	756
<i>circumdata, Turritella</i> .....	607	<i>compressa, Tellina</i> .....	764
<i>circumplexa, Helix</i> .....	684	<i>compressus, Parmophorus</i> .....	577
<i>Cirthoceratites</i> .....	804	<i>compta, Cyrena</i> .....	743, 745
<i>clandestina, Pleurotoma</i> .....	657	<i>compta, Psammobia</i> .....	772
<i>clandestina, Pyramidella</i> .....	676	<i>compta, Turbonilla</i> .....	676
<i>clandestinum, Cerithium</i> .....	598	<i>compta, Turritella</i> .....	607
<i>clandestinum, Cyclostoma</i> .....	623	<i>comptum, Cardium</i> .....	699
<i>clathrata, Donax</i> .....	770	<i>comptus, Hipponyx</i> .....	612
<i>clathrata, Drillia (Crassispira) granulata</i> .....	657	<i>comptus, Unio</i> .....	719
<i>clathrata, Emarginula</i> .....	580	<i>concamerata, Pholas</i> .....	792
<i>clathrata, Paludina</i> .....	591	<i>concava, Adeorbis</i> .....	625
<i>clathrata, Tellina</i> .....	763	<i>concava, Lucina</i> .....	721
<i>clathrata, Venus</i> .....	781	<i>concava, Pleurotomaria</i> .....	578
<i>clathratum, Cerithium</i> .....	595	<i>concavus, Parmophorus</i> .....	577
<i>clathratus, Serpularbis</i> .....	620	<i>concavus, Planorbis</i> .....	680
<i>clausa, Tellina</i> .....	764	<i>concavus, Spondylus</i> .....	716
<i>clavula, Melania (Rissoa)</i> .....	621	<i>Concholepa</i> .....	646, 647, 861, 874
<i>cleryi, Cardium</i> .....	734	<i>concinna, Eulima</i> .....	627
<i>Cliton</i> .....	586	<i>concinna, Lucina</i> .....	721
<i>clotho, Helix</i> .....	686	<i>concinna, Terebra</i> .....	659
<i>coactiliata, Helix</i> .....	696	<i>concreta, Lucina</i> .....	721
<i>coarctata, Gastrochaena</i> .....	795	<i>condita, Arca (Barbatia)</i> .....	702, 703

## APPENDIX 3. — Continuation.

<i>condita</i> , <i>Limnaea</i> .....	679	<i>contraria</i> , <i>Psammobia</i> .....	772
<i>condylus</i> , <i>Plicatula</i> .....	717	<i>controversa</i> , <i>Tellina</i> .....	764
<i>conformis</i> , <i>Tellina</i> .....	764	<i>conulus</i> , <i>Bulla</i> .....	672
<i>conformis</i> , <i>Venus</i> .....	781	<i>convexa</i> , <i>Caecella</i> .....	761
<i>confusa</i> , <i>Terebratulata</i> .....	810	<i>convexa</i> , <i>Corbicula</i> .....	744
<i>confusus</i> , <i>Trochus</i> .....	635	<i>convexa</i> , <i>Helix</i> .....	696
<i>conica</i> , <i>Bulla</i> .....	673	<i>convexum</i> , <i>Cardium</i> .....	734
<i>conjuncta</i> , <i>Cyrena</i> .....	743	<i>convoluta</i> , <i>Helix</i> .....	690
<i>conjunctum</i> , <i>Cerithium</i> .....	625	<i>copiosa</i> , <i>Turritella</i> .....	608
<i>conjunctus</i> , <i>Fusus</i> .....	643	<i>corallina</i> , <i>Orthostoma</i> .....	666
<i>conoïdale</i> , <i>Buccinum</i> .....	645	<i>corallinarum</i> , <i>Rotalia</i> .....	806
<i>conoïdea</i> , <i>Ancillaria</i> .....	651	<i>coralliophaga</i> , <i>Petricola</i> .....	732
<i>conoïdea</i> , <i>Helix pikienensis</i> .....	694	<i>corbiculoides</i> , <i>Batissa</i> .....	744
<i>conoïdea</i> , <i>Pholas</i> .....	792	<i>corbiculoides</i> , <i>Mactra</i> .....	758
<i>conoïdea</i> , <i>Pleurotomaria</i> .....	579	<i>corbulina</i> , <i>Sportella</i> .....	741
<i>conovuliformis</i> , <i>Auricula</i> .....	669	<i>corbuloides</i> , <i>Cardium</i> .....	734
<i>conradi</i> , <i>Arca</i> .....	702	<i>corbuloides</i> , <i>Cypricardia</i> .....	732
<i>conradi</i> , <i>Astarte</i> .....	730	<i>corbuloides</i> , <i>Donax</i> .....	770
<i>conradi</i> , <i>Cardita</i> .....	726	<i>corbuloides</i> , <i>Mactra</i> .....	758
<i>conradi</i> , <i>Donax</i> .....	771	<i>corcyrensis</i> , <i>Lindholmia</i> .....	696
<i>consanguinea</i> , <i>Helix</i> .....	686	<i>cordata</i> , <i>Arca</i> .....	702
<i>consobrina</i> , <i>Dosinia</i> .....	781	<i>cordieri</i> , <i>Achatina</i> .....	691
<i>consobrina</i> , <i>Lucina</i> .....	721	<i>cordieri</i> , <i>Cerithium</i> .....	603
<i>consobrina</i> , <i>Neritina</i> .....	587	<i>cordieri</i> , <i>Petricola</i> .....	781
<i>consobrina</i> , <i>Psammobia</i> .....	772	<i>cordiformis</i> , <i>Astarte</i> .....	730
<i>consobrina</i> , <i>Terebra</i> .....	660	<i>cordiformis</i> , <i>Cypricardia</i> .....	732
<i>consobrina</i> , <i>Turritella</i> ( <i>Mesalia</i> ) .....	608	<i>cordiformis</i> , <i>Cyrena</i> .....	744
<i>consobrina</i> , <i>Venus</i> .....	781	<i>cordiformis</i> , <i>Lima</i> .....	717
<i>consobrinus</i> , <i>Cerithium</i> .....	603	<i>cordiformis</i> , <i>Mactra</i> .....	758
<i>consors</i> , <i>Bulla</i> ( <i>Cylichna</i> ) .....	672	<i>cordiformis</i> , <i>Nucula</i> .....	697
<i>consors</i> , <i>Diplodonta</i> .....	777	<i>cordiformis</i> , <i>Pholadomya</i> .....	799
<i>constricta</i> , <i>Niso</i> .....	627	<i>cordiformis</i> , <i>Venus</i> .....	725
<i>constrictum</i> , .....	598, 603, 682	<i>corensis</i> , <i>Cardita</i> .....	726
<i>constrictum</i> , <i>Carychium</i> .....	682	<i>corisopitensis</i> , <i>Helix</i> .....	695
<i>constrictum</i> , <i>Cerithium</i> .....	598, 603	<i>cornea</i> , <i>Auricula</i> .....	682
<i>contabulata</i> , <i>Marginella</i> .....	635	<i>cornea</i> , <i>Mactra</i> .....	758
<i>contabulata</i> , <i>Pleurotoma</i> .....	657	<i>corneus</i> , <i>Bulimus</i> .....	687
<i>contabulata</i> , <i>Scalaria</i> .....	611	<i>cornu-ammonis</i> , <i>Solarium</i> .....	667
<i>contabulata</i> , <i>Tellina</i> .....	764	<i>cornuta</i> , <i>Argiope</i> .....	809
<i>contabulatum</i> , <i>Cerithium</i> .....	603	<i>cornutum</i> , <i>Cardium</i> .....	699
<i>contigua</i> , <i>Patella</i> .....	577	<i>coronalis</i> , <i>Scalaria</i> .....	611
<i>contiguum</i> , <i>Cerithium</i> .....	603	<i>coronarius</i> , <i>Typhis</i> .....	647
<i>continua</i> , <i>Terebra</i> .....	660	<i>coronata</i> , <i>Cassidaria</i> .....	633
<i>contorta</i> , <i>Arca</i> ( <i>Acar</i> ) .....	702	<i>coronata</i> , <i>Clavagella</i> .....	797
<i>contorta</i> , <i>Fistulana</i> .....	795	<i>coronata</i> , <i>Helix</i> .....	696
<i>contorta</i> , <i>Lucina</i> .....	721	<i>coronatum</i> , <i>Cerithium</i> .....	598
<i>contorta</i> , <i>Tellina</i> .....	764	<i>coronatus</i> , <i>Typhus</i> .....	647
<i>contortula</i> , <i>Helix</i> .....	685	<i>corrugata</i> , <i>Clavulina</i> .....	808
<i>contortula</i> , <i>Lucina</i> .....	721	<i>corrugata</i> , <i>Lucina</i> .....	721
<i>contortula</i> , <i>Mactra</i> .....	756	<i>corrugata</i> , <i>Psammobia</i> .....	772
<i>contortus</i> , <i>Nummulites</i> .....	807	<i>corrugata</i> , <i>Venerupis</i> .....	781
<i>contradicta</i> , <i>Mactra</i> .....	756	<i>costaria</i> , <i>Fissurella</i> .....	580
<i>contraria</i> , <i>Mactra</i> .....	758	<i>costaria</i> , <i>Patella</i> .....	675
<i>contraria</i> , <i>Pleurotoma</i> .....	657	<i>costaria</i> , <i>Pleurotoma</i> .....	656



APPENDIX 3. — Continuation.

<i>costarius, Fusus</i> .....	643	<i>crenularis, Lucina</i> .....	721
<i>costarius, Turbo</i> .....	586	<i>crenularis, Melania</i> .....	606
<i>costata, Crepidula</i> .....	628	<i>crenularis, Turbo</i> .....	579
<i>costata, Cristellaria</i> .....	807	<i>crenulata, Arca</i> .....	702
<i>costata, Sphaerulites</i> .....	732	<i>crenulata, Cancellaria</i> .....	638
<i>costatum, Buccinum</i> .....	640, 651	<i>crenulata, Cardita</i> .....	726
<i>costatum, Dolium</i> .....	633	<i>crenulata, Cyrena</i> .....	781
<i>costellata, Corbula</i> .....	800	<i>crenulata, Marginella</i> .....	636
<i>costellata, Scalaria</i> .....	668	<i>crenulata, Melania</i> .....	607
<i>costellifer, Fusus</i> .....	640	<i>crenulata, Woodia</i> .....	730
<i>costulata, Emarginula</i> .....	580	<i>crenulatus, Conus</i> .....	652
<i>costulata, Leda</i> .....	698	<i>crenulatus, Triphoris</i> .....	617
<i>costulata, Mitra</i> .....	636	<i>crepelini, Pholadomya</i> .....	798
<i>costulata, Nerita</i> .....	587	<i>crepidula, Ostrea</i> .....	710
<i>costulatus, Nucleolites</i> .....	809	<i>crispata, Venus</i> .....	781
<i>costulatus, Triforis</i> .....	617	<i>crispum, .....</i>	604
<i>costuosa, Pleurotoma</i> .....	656	<i>cristatus, Serpularbis</i> .....	620
<i>costuosus, Fusus</i> .....	640	<i>crocatus, Spondylus</i> .....	716
<i>crassa, Ampullaria</i> .....	591	<i>crocea, Dione</i> .....	781
<i>crassa, Bithinia</i> .....	624	<i>crocea, Dosinia</i> .....	781
<i>crassa, Cyrena</i> .....	744	<i>crocea, Scintilla</i> .....	750
<i>crassa, Trigonocoelia</i> .....	707	<i>crocei, Unio</i> .....	719
<i>crassatellatum, Cardium</i> .....	734	<i>crossii, Cerithium</i> .....	596
<i>crassicosta, Patella</i> .....	577	<i>crossii, Terebra</i> .....	660
<i>crassicosta, Venus</i> .....	781	<i>Cryopus</i> .....	809
<i>crassicostata, Scalaria</i> .....	611	<i>Cryptina</i> .....	718
<i>crassicostata, Siphonaria</i> .....	675	<i>Cryptobia</i> .....	811, 821, 844
<i>crassicostatum, Cerithium</i> .....	595	<i>crystallina, Scintilla</i> .....	750
<i>crassicostatus, Fusus</i> .....	643	<i>cubitus, Ostrea</i> .....	710
<i>crassicostatus, Murex</i> .....	647	<i>cucullaris, Arca</i> .....	707
<i>crassidens, Erycina</i> .....	753	<i>cucullata, Crenella</i> .....	700
<i>crassidens, Mitra</i> .....	636	<i>cucullata, Gastrochaena</i> .....	795
<i>crassidens, Stolidoma</i> .....	682	<i>cucullina, Ostrea</i> .....	713
<i>crassilabris, Bithinia</i> .....	624	<i>Cucumis</i> .....	635, 875
<i>crassilabrum, Purpura</i> .....	643	<i>cuisense, Cerithium</i> .....	619
<i>crassilabrum, Rostellaria</i> .....	632	<i>cuisensis, Pleurotoma</i> .....	664
<i>crassior, Turritella sulcifera</i> .....	609	<i>cultellus, Modiola</i> .....	700
<i>crassula, Capsa (Capsella)</i> .....	772	<i>cultellus, Petricola</i> .....	788
<i>crassula, Limnaea</i> .....	679	<i>cumingii, Umbrella</i> .....	671
<i>crassula, Marginella</i> .....	635	<i>cumingiana, Caecella</i> .....	761
<i>crassula, Mesodesma</i> .....	761	<i>cumingiana, Lutraria</i> .....	758
<i>crassula, Nerita</i> .....	587	<i>cumingiana, Soletellina</i> .....	775
<i>crassula, Tellina</i> .....	764	<i>cumingii, Cardita</i> .....	726
<i>crassula, Terebra</i> .....	660	<i>cumingii, Clementia</i> .....	781
<i>crassum, Cardium</i> .....	739	<i>cumingii, Corbicula</i> .....	744
<i>crassum, Dentalium</i> .....	811	<i>cumingii, Cyrena (Anomala)</i> .....	744
<i>craticulatus, Turbo</i> .....	585	<i>cumingii, Heterocardia</i> .....	756
<i>crenata, Cypraea</i> .....	631	<i>cumingii, Hyalaea</i> .....	674
<i>crenatulatum, Cerithium</i> .....	604	<i>cumingii, Leptoconchus</i> .....	647
<i>crenella, Modiola</i> .....	700	<i>cumingii, Mactra</i> .....	756, 758
<i>crenifera, Terebra</i> .....	660	<i>cumingii, Scintilla</i> .....	750
<i>creniferum, Cerithium</i> .....	598	<i>cumingii, Terebra</i> .....	660
<i>crenulare, Solarium (Thorinia)</i> .....	667	<i>cumingii, Venerupis</i> .....	781
<i>crenularis, Cardita</i> .....	726	<i>cuneata, Cytherea</i> .....	781

## APPENDIX 3. — Continuation.

<i>cuneiformis</i> , <i>Osteodesma</i> .....	798		
<i>cuneiformis</i> , <i>Sphenia</i> .....	789		
<i>curata</i> , <i>Crassatella</i> .....	729		
<i>curionii</i> , <i>Cytherea</i> .....	781		
<i>curta</i> , <i>Lutraria</i> .....	758		
<i>curtum</i> , <i>Odostomia</i> .....	676		
<i>curvicosta</i> , <i>Melania</i> .....	607		
<i>curvicostata</i> , <i>Melania</i> .....	602		
<i>curvicostatum</i> , <i>Cerithium</i> .....	604		
<i>curvirostris</i> , <i>Emarginula</i> .....	580		
<i>cuspidata</i> , <i>Natica</i> .....	593		
<i>cuspidata</i> , <i>Tellina</i> .....	776		
<i>cuspidatum</i> , <i>Cerithium</i> .....	598		
<i>Custiphorus</i> .....	675		
<i>cuvieri</i> , <i>Calyptraea</i> .....	628		
<i>cuvieri</i> , <i>Concholepas</i> .....	647		
<i>cuvieri</i> , <i>Leptoconchus</i> .....	647		
<i>cuvieri</i> , <i>Mactra</i> .....	756		
<i>cuvieri</i> , <i>Marginella</i> .....	636		
<i>cuvieri</i> , <i>Melania</i> .....	601		
<i>cuvieri</i> , <i>Scintilla</i> .....	750		
<i>cuvieri</i> , <i>Sepia</i> .....	805		
<i>cuvieri</i> , <i>Solemya</i> .....	698		
<i>cycladiformis</i> , <i>Cyrena</i> .....	744		
<i>cycladiformis</i> , <i>Erycina</i> .....	753		
<i>Cyclina</i> .....	777, 779, 782, 788		
<i>cyclolabris</i> , <i>Helix</i> .....	692		
<i>cyclophora</i> , <i>Pleurotoma</i> .....	657		
<i>cyclostoma</i> , <i>Trochus</i> .....	586		
<i>cyclostomoides</i> , <i>Cerithium</i> .....	606		
<i>cyclostomoides</i> , <i>Littorina</i> .....	668		
<i>cygnorum</i> , <i>Cardium</i> .....	735		
<i>cylindracea</i> , <i>Arca</i> .....	702		
<i>cylindracea</i> , <i>Bithinia</i> ( <i>Nematúra</i> ) .....	622		
<i>cylindracea</i> , <i>Marginella</i> .....	636		
<i>cylindracea</i> , <i>Petricola</i> .....	788		
<i>cylindraceum</i> , <i>Buccinum</i> .....	640		
<i>cylindraceum</i> , <i>Cerithium</i> .....	595		
<i>cylindraceus</i> , <i>Fusus</i> .....	650		
<i>cylindroides</i> , <i>Bulla</i> .....	672		
<i>Cylindrus</i> .....	651, 838, 862, 875		
<i>cymbiola</i> , <i>Emarginula</i> .....	580		
<i>cymbiola</i> , <i>Gryphaea</i> .....	713		
<i>cymbiola</i> , <i>Parmophorus</i> .....	578		
<i>cymbium</i> , <i>Carinaria</i> .....	617		
<i>cyrena</i> , <i>Mactra</i> .....	744		
<i>Cyrenella</i> .....	746, 749, 778, 779		
<i>cyreniformis</i> , <i>Unio</i> .....	719		
<i>cyrenoides</i> , <i>Isodoma</i> .....	744		
<i>cyrmatophora</i> , <i>Hyria</i> .....	719		
<i>Cystia</i> .....	717, 875		
<i>cytharella</i> , <i>Auricula</i> .....	656		
<i>cythereaeformis</i> , <i>Venus</i> .....	781		
			D
		<i>dactylina</i> , <i>Tornatella</i> .....	669
		<i>dactylosa</i> , <i>Rissoa</i> .....	638
		<i>daedalea</i> , <i>Pupa</i> .....	687
		<i>dameriacence</i> , <i>Cerithium</i> .....	604
		<i>dameriacensis</i> , <i>Pleurotoma</i> .....	656
		<i>dameriacense</i> , <i>Solarium</i> ( <i>Thorinia</i> ) .....	667
		<i>dameriacensis</i> , <i>Fusus</i> .....	643
		<i>dameriacensis</i> , <i>Natica</i> .....	593
		<i>danubialis</i> , <i>Neritina</i> .....	588
		<i>daudebarti</i> , <i>Achatina</i> .....	691
		<i>dauidi</i> , <i>Bulimus</i> .....	688
		<i>dauidi</i> , <i>Helix</i> .....	694
		<i>dauidi</i> , <i>Pholas</i> .....	792
		<i>dauidi</i> , <i>Vitrina</i> .....	690
		<i>dauidii</i> , <i>Limnea</i> .....	679
		<i>dauidsoni</i> , <i>Cardita</i> .....	726
		<i>dauidsoni</i> , <i>Fimbria</i> .....	721
		<i>dauidsoni</i> , <i>Terebratula</i> .....	810
		<i>debile</i> , <i>Cardium</i> .....	735
		<i>debilis</i> , <i>Psammobia</i> .....	772
		<i>decemcostata</i> , <i>Argiope</i> .....	809
		<i>deceptor</i> , <i>Cerithium</i> .....	595
		<i>deceptus</i> , <i>Fusus</i> .....	640
		<i>decipiens</i> , <i>Arca</i> .....	707
		<i>decipiens</i> , <i>Cyrena</i> .....	744
		<i>decipiens</i> , <i>Diplodonta</i> .....	778
		<i>decipiens</i> , <i>Fusus</i> .....	640
		<i>decipiens</i> , <i>Lucina</i> .....	721
		<i>decipiens</i> , <i>Pleurotoma</i> .....	657
		<i>decipiens</i> , <i>Rissoa</i> .....	622
		<i>decisa</i> , <i>Fissurella</i> .....	580
		<i>decolorata</i> , <i>Tellina</i> .....	764
		<i>decora</i> , <i>Mactra</i> .....	758
		<i>decorata</i> , <i>Emarginula</i> .....	580
		<i>decorata</i> , <i>Lucina</i> .....	721
		<i>decorata</i> , <i>Tellina</i> ( <i>Arcopagia</i> ) .....	769
		<i>decorata</i> , <i>Terebra</i> .....	660
		<i>decussata</i> , <i>Achatina</i> .....	691
		<i>decussata</i> , <i>Corbula</i> .....	789
		<i>decussata</i> , <i>Littorina</i> .....	586
		<i>decussatus</i> , <i>Conus</i> .....	652
		<i>decussatus</i> , <i>Fusus</i> .....	643
		<i>decussatus</i> , <i>Saxidomus</i> .....	781
		<i>defectum</i> , <i>Cardium</i> .....	735
		<i>defrancei</i> , <i>Avicula</i> .....	710
		<i>defrancei</i> , <i>Lucina</i> .....	721
		<i>defrancii</i> , <i>Cardium</i> .....	735
		<i>defrancii</i> , <i>Cerithium</i> .....	596
		<i>defrancii</i> , <i>Conus</i> .....	652
		<i>defrancii</i> , <i>Dentalium</i> .....	802
		<i>defrancii</i> , <i>Gastrochaena</i> .....	795



APPENDIX 3. — Continuation.

<i>defrancii</i> , <i>Gryphaea</i> .....	713	<i>depressa</i> , <i>Lucina</i> .....	721
<i>defrancii</i> , <i>Helix</i> .....	692	<i>depressa</i> , <i>Mactra</i> .....	756
<i>defrancii</i> , <i>Hinnites</i> .....	716	<i>depressa</i> , <i>Saxicava</i> .....	797
<i>defrancii</i> , <i>Nerinea</i> .....	667	<i>depressa</i> , <i>Sportella</i> .....	741
<i>defrancii</i> , <i>Pandora</i> .....	798	<i>depressa</i> , <i>Syndosmya</i> .....	776
<i>defrancii</i> , <i>Patella</i> .....	578	<i>depressum</i> , <i>Cardium</i> .....	735
<i>defrancii</i> , <i>Rimula</i> .....	580	<i>depressus</i> , <i>Ancylus</i> .....	680
<i>defrancii</i> , <i>Sepia</i> .....	805	<i>depressus</i> , <i>Mytilus</i> ( <i>Septifer</i> ) .....	700
<i>defrancii</i> , <i>Siderolina</i> .....	806	<i>depressus</i> , <i>Parmorphorus</i> .....	578
<i>delamarrei</i> , <i>Cyphosoma</i> .....	809	<i>depressus</i> , <i>Pectunculus</i> .....	706
<i>delecta</i> , <i>Cancellaria</i> .....	638	<i>deraiabel</i> , <i>Cryptina</i> .....	718
<i>delessertii</i> , <i>Cytherea</i> .....	788	<i>derelicta</i> , <i>Venerupis</i> .....	782
<i>deleta</i> , <i>Corbula</i> .....	790	<i>derelictum</i> , <i>Buccinum</i> .....	640
<i>deleta</i> , <i>Venus</i> .....	781	<i>derelictus</i> , <i>Conus</i> .....	652
<i>delibata</i> , <i>Melania</i> ( <i>Chemnitzia</i> ) .....	589	<i>derivatus</i> , <i>Bulimus</i> .....	688
<i>delicatula</i> , <i>Cytherea</i> .....	781	<i>deschiensiana</i> , <i>Bithinia</i> .....	622
<i>delicatula</i> , <i>Modiola</i> .....	700	<i>deslongchampsii</i> , <i>Cerithium</i> .....	596
<i>delicatula</i> , <i>Patella</i> .....	578	<i>deslongchampsii</i> , <i>Murex</i> .....	647
<i>delicatula</i> , <i>Tellina</i> .....	764	<i>deslongchampsii</i> , <i>Turbo</i> .....	586
<i>delicatula</i> , <i>Venus</i> .....	781	<i>desmaresti</i> , <i>Crassatella</i> .....	729
<i>deltoides</i> , <i>Syndosmya</i> .....	776	<i>desmoulinsi</i> , <i>Clavagella</i> .....	797
<i>demissa</i> , <i>Cucullaea</i> .....	708	<i>desnoyerii</i> , <i>Paludina</i> .....	591
<i>demissa</i> , <i>Scalaria</i> .....	669	<i>desorii</i> , <i>Buccinum</i> .....	645
<i>demissus</i> , <i>Spondylus</i> .....	716	<i>despecta</i> , <i>Cytherea</i> .....	782
<i>denainvilliersi</i> , <i>Limnaea</i> .....	679	<i>detrita</i> , <i>Lucina</i> .....	721
<i>densestriata</i> , <i>Littorina</i> .....	613	<i>detritum</i> , <i>Cerithium</i> .....	604
<i>dentata</i> , <i>Delphinula</i> .....	586	<i>dewalquei</i> , <i>Rostellaria</i> .....	632
<i>dentatum</i> , <i>Cerithium</i> .....	596	<i>dhorni</i> , <i>Pupa</i> .....	682
<i>denticulata</i> , <i>Erycina</i> .....	753	<i>diadema</i> , <i>Cassidaria</i> .....	633
<i>denticulata</i> , <i>Galeomma</i> .....	750	<i>diadema</i> , <i>Cerithium</i> .....	604
<i>denticulata</i> , <i>Gastrochaena</i> .....	795	<i>dialeuca</i> , <i>Tellina</i> .....	764
<i>denticulata</i> , <i>Tellina</i> .....	764	<i>Diameza</i> .....	633
<i>denticulatum</i> , <i>Dentalium</i> .....	803	<i>diaphana</i> , <i>Tellina</i> .....	764
<i>denticulatum</i> , <i>Dolium</i> .....	633	<i>Diastoma</i> .....	599, 600
<i>dentiens</i> , <i>Auricula</i> .....	682	<i>diastoma</i> , <i>Cerithium</i> .....	596
<i>dentiens</i> , <i>Erycina</i> .....	753	<i>diastomoides</i> , <i>Cerithium</i> .....	596
<i>dentifera</i> , <i>Cancellaria</i> .....	638	<i>diastropa</i> , <i>Lima</i> .....	717
<i>denudata</i> , <i>Bulla</i> ( <i>Cylichna</i> ) .....	672	<i>dichotoma</i> , <i>Arca</i> .....	702
<i>denudata</i> , <i>Fissurella</i> .....	580	<i>diemenensis</i> , <i>Tellina</i> .....	764
<i>denudata</i> , <i>Pleurotoma</i> .....	655	<i>difficile</i> , <i>Cardium</i> ( <i>Protocardia</i> ) .....	735
<i>denudata</i> , <i>Tellina</i> .....	764	<i>difficile</i> , <i>Cerithium</i> .....	619
<i>denudatus</i> , <i>Fusus</i> .....	653	<i>difficilis</i> , <i>Capsa</i> ( <i>Capsella</i> ) .....	772
<i>denudatus</i> , <i>Murex</i> .....	647	<i>difficilis</i> , <i>Cardita</i> .....	726
<i>depauperata</i> , <i>Chama</i> .....	740	<i>difficilis</i> , <i>Cyrena</i> .....	744
<i>depauperatus</i> , <i>Murex</i> .....	647	<i>difficilis</i> , <i>Gastrochaena</i> .....	795
<i>deperditum</i> , <i>Cerithium</i> .....	604	<i>difficilis</i> , <i>Lucina</i> .....	721
<i>depexa</i> , <i>Mitra</i> .....	649	<i>difficilis</i> , <i>Modiola</i> .....	700
<i>depictus</i> , <i>Trochus</i> .....	581	<i>difficilis</i> , <i>Syndosmya</i> .....	776
<i>depressa</i> , <i>Auricula</i> .....	682	<i>difficilis</i> , <i>Terebra</i> .....	660
<i>depressa</i> , <i>Crepidula</i> .....	628	<i>digitatus</i> , <i>Turbo</i> .....	586
<i>depressa</i> , <i>Cyrena</i> .....	743, 744	<i>digona</i> , <i>Venerupis</i> .....	782
<i>depressa</i> , <i>Cytherea</i> .....	781	<i>dilatata</i> , <i>Crassatella</i> .....	729
<i>depressa</i> , <i>Hippurites</i> .....	732	<i>dilatata</i> , <i>Cypricardia</i> ( <i>Modiolarca</i> ) .....	749
<i>depressa</i> , <i>Lacunella</i> .....	623	<i>dilatata</i> , <i>Gastrochaena</i> .....	796

## APPENDIX 3. — Continuation.

<i>dilatata</i> , Pandora .....	798	<i>distans</i> , Ficula .....	631
<i>dilatata</i> , Tellina .....	764	<i>distans</i> , Fissurella .....	580
<i>dilatatum</i> , Cardium .....	699	<i>distans</i> , Murex .....	647
<i>dilatatus</i> , Opis .....	730	<i>distans</i> , Nummulites .....	807
<i>dilatatus</i> , Parmophorus .....	610	<i>distans</i> , Pleurotoma .....	664
<i>dilatatus</i> , Solecortus .....	777	<i>distans</i> , Tellina .....	764
<i>dilatatus</i> , Trochus .....	668	<i>distans</i> , Turbo .....	581
<i>dilectum</i> , Solarium .....	667	<i>distincta</i> , Crassatella .....	729
<i>dillwyni</i> , Trigona .....	782	<i>distincta</i> , Cyrena .....	744
<i>dillwynii</i> , Terebra .....	660	<i>distincta</i> , Cytherea .....	782
<i>Diodonta</i> .....	763	<i>distinctus</i> , Triphoris .....	617
<i>dionaea</i> , Helix .....	694	<i>distinguenda</i> , Paludina .....	591
<i>Dipsaccus</i> .....	650	<i>distorta</i> , Eulima .....	628
<i>disceptum</i> , Cardium .....	735	<i>distorta</i> , Pleurotoma .....	653
<i>discerpta</i> , Helix .....	683	<i>distortus</i> , Murex .....	647
<i>discordialis</i> , Helix .....	692	<i>divaricata</i> , Cyrena .....	744
<i>discors</i> , Lucina ( <i>Strigilla</i> ) .....	721	<i>divaricata</i> , Petricola .....	789
<i>discreta</i> , Rissoina .....	621	<i>divaricata</i> , Teredo .....	793
<i>discretum</i> , Solarium ( <i>Philippia</i> ) .....	585	<i>divergens</i> , Cardita .....	726, 727
<i>Disculus</i> .....	667, 668	<i>diversa</i> , Achatina .....	684
<i>disculus</i> , Helix .....	695	<i>diversa</i> , Erycina .....	753
<i>disculus</i> , Nautilus .....	804	<i>diversiformis</i> , Conus .....	652
<i>disculus</i> , Solarium ( <i>Disculus</i> ) .....	667	<i>dixoni</i> , Avicula .....	708
<i>disculus</i> , Tellina .....	764	<i>dixoni</i> , Cytherea .....	782
<i>discus</i> , Helix .....	692	<i>dixoni</i> , Turritella .....	608
<i>disjuncta</i> , Arca .....	702	<i>dolabrata</i> , Mactra .....	758
<i>disjuncta</i> , Delphinula .....	583	<i>dolabrata</i> , Modiola .....	700
<i>disjunctum</i> , Aspergillum .....	798	<i>dolosa</i> , Cypricardia .....	732
<i>disjunctus</i> , Conus .....	652	<i>dolosa</i> , Melania ( <i>Chemnitzia</i> ) .....	589
<i>dispar</i> , Arca .....	707	<i>donacialis</i> , Crassatella .....	729
<i>dispar</i> , Cerithium .....	618	<i>donacialis</i> , Cyrena .....	744
<i>dispar</i> , Chenopus .....	631	<i>donaciformis</i> , Cardinia .....	725
<i>dispar</i> , Corbula .....	800	<i>donaciformis</i> , Erycina .....	753
<i>dispar</i> , Melanopsis ( <i>Pirena</i> ) .....	601	<i>donaciformis</i> , Sphenia .....	789
<i>dispar</i> , Ostrea .....	711	<i>donaciformis</i> , Sportella .....	741
<i>dispar</i> , Psammobia .....	772	<i>donaciformis</i> , Tellina .....	764
<i>dispar</i> , Terebra .....	660	<i>donacilla</i> , Psammobia .....	772
<i>disparilis</i> , Helix .....	690	<i>donacina</i> , Corbula .....	790
<i>disparilis</i> , Vanikoro .....	626	<i>donacina</i> , Syndosmya .....	776
<i>dissidens</i> , Helix .....	691	<i>Dorbignyaea</i> .....	805
<i>dissimilis</i> , Fusus .....	642	<i>dorsata</i> , Ostrea .....	713
<i>dissimilis</i> , Lutraria .....	758	<i>Dosiniinae</i> .....	576, 779
<i>dissimilis</i> , Mactra .....	758	<i>draparnaldi</i> , Unio .....	719
<i>dissimilis</i> , Marginella .....	636	<i>draparnaudi</i> , Unio .....	719
<i>dissimilis</i> , Natica .....	593	<i>dubia</i> , Ancillaria .....	651
<i>dissimilis</i> , Pectunculus .....	706	<i>dubia</i> , Cancellaria .....	638
<i>dissimilis</i> , Phasianella .....	584	<i>dubia</i> , Corbula .....	793
<i>dissimilis</i> , Tellina .....	764	<i>dubia</i> , Erycina .....	750
<i>dissita</i> , Bithinia .....	610	<i>dubia</i> , Helix .....	692
<i>dissita</i> , Helix .....	691	<i>dubia</i> , Pleurotoma .....	657
<i>distans</i> , Arca ( <i>Barbatia</i> ) .....	703	<i>dubia</i> , Psammotea .....	741
<i>distans</i> , Bulla ( <i>Scaphander</i> ) .....	673	<i>dubia</i> , Tellina .....	764
<i>distans</i> , Chama .....	740	<i>dubium</i> , Cerithium .....	604
<i>distans</i> , Cytherea .....	782	<i>duboisii</i> , Pectunculus .....	706



APPENDIX 3. — Continuation.

<i>duboisii</i> , <i>Cardita</i> .....	727	<i>ecaudata</i> , <i>Pleurotoma</i> .....	664
<i>duchassaingi</i> , <i>Jouannetia</i> .....	792	<i>Echinoderma</i> .....	576, 618, 714, 852, 862, 876
<i>duchasteli</i> , <i>Arca</i> .....	703	<i>echinophora</i> , <i>Helix</i> .....	686
<i>duchasteli</i> , <i>Cerithium</i> .....	596	<i>echinulata</i> , <i>Anomia</i> .....	714
<i>duchasteli</i> , <i>Limnaea</i> .....	679	<i>echinulata</i> , <i>Plicatula</i> .....	717
<i>duchasteli</i> , <i>Neritina</i> .....	587	<i>echinulatum</i> , <i>Cerithium</i> .....	596
<i>duclosii</i> , <i>Patella</i> .....	578	<i>edentula</i> , <i>Cypricardia</i> ( <i>Modiolarca</i> ) .....	741
<i>dufresnii</i> , <i>Dentalium</i> .....	802	<i>edentula</i> , <i>Pupa</i> .....	688
<i>dufresnii</i> , <i>Melanopsis</i> .....	601	<i>edentulum</i> , <i>Cardium</i> .....	735
<i>dujardini</i> , <i>Conus</i> .....	652	<i>editum</i> , <i>Cerithium</i> .....	604
<i>dujardini</i> , <i>Hinnites</i> .....	716	<i>edwardsi</i> , <i>Arca</i> ( <i>Barbatia</i> ) .....	703
<i>dujardini</i> , <i>Buccinum</i> .....	645	<i>edwardsi</i> , <i>Beloptera</i> .....	805
<i>dujardini</i> , <i>Lima</i> .....	717	<i>edwardsi</i> , <i>Borsonia</i> .....	654
<i>dujardini</i> , <i>Lucina</i> .....	722	<i>edwardsi</i> , <i>Caecum</i> ( <i>Strebloceras</i> ) .....	623
<i>dulce</i> , <i>Cardium</i> .....	735	<i>edwardsi</i> , <i>Cardium</i> ( <i>Protocardia</i> ) .....	735
<i>dulce</i> , <i>Cerithium</i> .....	595	<i>edwardsi</i> , <i>Helix</i> .....	696
<i>dulciculum</i> , <i>Cerithium</i> .....	596	<i>edwardsi</i> , <i>Marginella</i> .....	636
<i>dunckeri</i> , <i>Leda</i> .....	698	<i>edwardsi</i> , <i>Natica</i> .....	593
<i>dunckeri</i> , <i>Phasianella</i> .....	584	<i>edwardsi</i> , <i>Pholas</i> .....	792
<i>dunckeri</i> , <i>Terebra</i> .....	660	<i>edwardsi</i> , <i>Tellina</i> .....	764
<i>duperreysi</i> , <i>Cypricardia</i> .....	732	<i>edwardsi</i> , <i>Thracia</i> .....	799
<i>dupetithouarsi</i> , <i>Helix</i> .....	696	<i>edwardsi</i> , <i>Voluta</i> .....	636
<i>dupetittrouarsii</i> , <i>Fusus</i> .....	643	<i>edwardsii</i> , <i>Firola</i> .....	617
<i>dupini</i> , <i>Natica</i> .....	594	<i>effossa</i> , <i>Arca</i> .....	703
<i>duplicata</i> , <i>Diplodonta</i> .....	778	<i>effusa</i> , <i>Lacuna</i> .....	602
<i>duplicata</i> , <i>Littorina</i> .....	579	<i>egena</i> , <i>Mactra</i> .....	758
<i>dupoteti</i> , <i>Cyclas</i> .....	762	<i>Eglaea</i> .....	674
<i>dura</i> , <i>Cyrena</i> .....	744	<i>egregia</i> , <i>Helix</i> .....	694
<i>durieui</i> , <i>Unio</i> .....	719	<i>egregia</i> , <i>Tellina</i> .....	765
<i>dutemplei</i> , <i>Ancylus</i> .....	680	<i>elata</i> , <i>Limnaea</i> .....	679
<i>dutemplei</i> , <i>Auricula</i> .....	682	<i>elatus</i> , <i>Trochus</i> .....	582
<i>dutemplei</i> , <i>Cyclostoma</i> .....	590	<i>electa</i> , <i>Achatina</i> .....	684
<i>dutemplei</i> , <i>Cyrena</i> .....	744	<i>electa</i> , <i>Tornatella</i> .....	669
<i>dutemplei</i> , <i>Lacuna</i> .....	613	<i>elegans</i> , <i>Aphysiopsis</i> .....	675
<i>dutemplei</i> , <i>Melanopsis</i> ( <i>Pirena</i> ) .....	601	<i>elegans</i> , <i>Cancellaria</i> .....	638
<i>dutemplei</i> , <i>Mytilus</i> .....	700	<i>elegans</i> , <i>Cerithium</i> .....	604, 619
<i>dutemplei</i> , <i>Neritina</i> .....	587	<i>elegans</i> , <i>Corbis</i> .....	722
<i>dutemplei</i> , <i>Patella</i> .....	578	<i>elegans</i> , <i>Corbena</i> .....	700
<i>dutemplei</i> , <i>Pholas</i> .....	792	<i>elegans</i> , <i>Erycina</i> .....	765, 766
<i>dutemplei</i> , <i>Psammobia</i> .....	772	<i>elegans</i> , <i>Fissurella</i> .....	580
<i>duvauxii</i> , <i>Helix</i> .....	692	<i>elegans</i> , <i>Harpa</i> .....	635
<i>duveyrieri</i> , <i>Planorbis</i> .....	681	<i>elegans</i> , <i>Isocardia</i> .....	796
<i>dysoni</i> , <i>Donax</i> .....	771	<i>elegans</i> , <i>Lacuna</i> .....	626
<i>dysoni</i> , <i>Mactra</i> .....	758	<i>elegans</i> , <i>Littorina</i> .....	579
		<i>elegans</i> , <i>Monitilora</i> .....	725
		<i>elegans</i> , <i>Neritina</i> .....	587
		<i>elegans</i> , <i>Ostrea</i> .....	711
		<i>elegans</i> , <i>Petricola</i> .....	732
		<i>elegans</i> , <i>Pholas</i> ( <i>Martesia</i> ) .....	792
		<i>elegans</i> , <i>Pileopsis</i> .....	612
		<i>elegans</i> , <i>Plicatula</i> .....	717
		<i>elegans</i> , <i>Psammobia</i> .....	772
		<i>elegans</i> , <i>Rimula</i> .....	580
		<i>elegans</i> , <i>Syndosmya</i> .....	776
<i>eburnea</i> , <i>Ancillaria</i> .....	651		
<i>eburnea</i> , <i>Lucina</i> .....	722		
<i>eburnea</i> , <i>Natica</i> .....	614		
<i>eburnea</i> , <i>Pyramidella</i> .....	676		
<i>eburneus</i> , <i>Stylifer</i> .....	627		

E

## APPENDIX 3. — Continuation.

<i>elegans</i> , <i>Teinostoma</i> .....	625	<i>eugenii</i> , <i>Bithinia</i> .....	623
<i>elegans</i> , <i>Tellina</i> .....	765	<i>eugenii</i> , <i>Ovula</i> .....	630
<i>elegans</i> , <i>Triton</i> .....	639	<i>eugenii</i> , <i>Passya</i> .....	750
<i>elegans</i> , <i>Turritella</i> .....	608	<i>eugenii</i> , <i>Scalaria</i> .....	627
<i>elegans</i> , <i>Venerupis</i> .....	782	<i>eugenii</i> , <i>Turbo</i> .....	586
<i>elegantissima</i> , <i>Pedicularia</i> .....	630	<i>eumicron</i> , <i>Helix</i> .....	692
<i>elegantissima</i> , <i>Scalaria</i> .....	611	<i>evanida</i> , <i>Lucina</i> .....	722
<i>elegantissimus</i> , <i>Pecten</i> .....	714	<i>eversa</i> , <i>Helix</i> .....	692
<i>elegantula</i> , <i>Cardita</i> .....	718, 727	<i>evoluta</i> , <i>Terebra</i> .....	660
<i>elegantula</i> , <i>Cytherea</i> .....	782	<i>evulsa</i> , <i>Pleurotoma</i> .....	655
<i>elegantulum</i> , <i>Cardium</i> .....	735	<i>exarata</i> , <i>Corbula</i> .....	790
<i>elongata</i> , <i>Alveolina</i> .....	806	<i>excavata</i> , <i>Bullaea</i> .....	673
<i>elongata</i> , <i>Ancillaria</i> .....	651	<i>excavata</i> , <i>Cardita</i> .....	727
<i>elongata</i> , <i>Fistulana</i> .....	795	<i>excavata</i> , <i>Ostrea</i> .....	711
<i>elongata</i> , <i>Megaspira</i> .....	686	<i>exceptiunculus</i> , <i>Fusus</i> .....	650
<i>elongata</i> , <i>Mesodesma</i> .....	761	<i>exclusa</i> , <i>Tellina</i> .....	765
<i>elongata</i> , <i>Ostrea</i> .....	711	<i>exerta</i> , <i>Bullina</i> .....	671
<i>elongata</i> , <i>Pleurotoma</i> .....	655, 657	<i>exerta</i> , <i>Cypraea</i> .....	630
<i>elongatus</i> , <i>Parmophorus</i> .....	578	<i>exerta</i> , <i>Natica</i> .....	615
<i>emarginata</i> , <i>Aciculina</i> .....	668	<i>exigua</i> , <i>Terebra</i> .....	660
<i>emarginata</i> , <i>Erycina</i> .....	753	<i>exiguus</i> , <i>Fusus</i> .....	640
<i>emarginata</i> , <i>Purpura</i> .....	647	<i>exilis</i> , <i>Syndosmya</i> .....	776
<i>emarginatum</i> , <i>Cardium</i> .....	735	<i>eximia</i> , <i>Bulla</i> .....	670
<i>emarginatus</i> , <i>Bulimus</i> .....	688	<i>eximia</i> , <i>Keilostoma</i> .....	599
<i>emarginatus</i> , <i>Fusus</i> .....	642	<i>eximia</i> , <i>Mactra</i> .....	758
<i>Emblema</i> .....	719	<i>eximia</i> , <i>Terebra</i> .....	660
<i>emendata</i> , <i>Lucina</i> .....	722	<i>exornata</i> , <i>Arca</i> ( <i>Barbatia</i> ) .....	703
<i>enodis</i> , <i>Cassidaria</i> .....	633	<i>exornata</i> , <i>Helix</i> .....	692, 693
<i>ensis</i> , <i>Lutraria</i> .....	756, 757	<i>exornata</i> , <i>Pleurotoma</i> .....	664
<i>entale</i> , <i>Dentalium</i> .....	803	<i>exoticus</i> , <i>Pecten</i> .....	716
<i>eocaenica</i> , <i>Gervillia</i> .....	709	<i>expansa</i> , <i>Rissoina</i> .....	622
<i>epidermia</i> , <i>Mactra</i> .....	758	<i>expansilabris</i> , <i>Rissoa</i> .....	622
<i>epidermia</i> , <i>Soletellina</i> .....	775	<i>expansus</i> , <i>Pectunculus</i> .....	706
<i>epiglottinoides</i> , <i>Natica</i> .....	614	<i>expedita</i> , <i>Pleurotoma</i> .....	664
<i>erasa</i> , <i>Scalaria</i> .....	611	<i>explanata</i> , <i>Mactra</i> .....	758
<i>erecta</i> , <i>Pleurotoma</i> .....	655	<i>expolita</i> , <i>Helix</i> .....	690
<i>erosa</i> , <i>Cyrena</i> .....	748	<i>expulsa</i> , <i>Bithinia</i> .....	623
<i>errata</i> , <i>Arca</i> .....	703	<i>exquisita</i> , <i>Helix</i> .....	690
<i>erycinella</i> , <i>Tellina</i> .....	765	<i>extensa</i> , <i>Ostrea</i> .....	711
<i>Erycinidae</i> .....	576, 753	<i>extranea</i> , <i>Mitra</i> .....	649
<i>erycinoides</i> , <i>Cytherea</i> .....	782, 787	<i>exustus</i> , <i>Planorbis</i> .....	681
<i>erycinoides</i> , <i>Sportella</i> .....	741		
<i>erycinoides</i> , <i>Tellina</i> .....	765		
<i>escharoides</i> , <i>Pecten</i> .....	715		
<i>escheri</i> , <i>Cerithium</i> .....	596		
<i>essingtonensis</i> , <i>Cardita</i> .....	727		
<i>essingtonensis</i> , <i>Cyrena</i> .....	744		
<i>essingtonensis</i> , <i>Tellina</i> .....	769		
<i>Etallonia</i> .....	651, 656		
<i>Etheriidae</i> .....	576, 719, 822		
<i>eucharis</i> , <i>Helix</i> .....	690	<i>faba</i> , <i>Corbula</i> .....	800
<i>eudeli</i> , <i>Helix</i> .....	690	<i>faba</i> , <i>Scintilla</i> .....	750
<i>eudeli</i> , <i>Trochus</i> ( <i>Margarita</i> ) .....	582	<i>fabagella</i> , <i>Heterocardia</i> .....	756
<i>eudora</i> , <i>Diplodonta</i> .....	778	<i>fabagella</i> , <i>Sphenia</i> .....	789
		<i>fabagella</i> , <i>Tapes</i> .....	782
		<i>fabagella</i> , <i>Tellina</i> .....	765
		<i>fabagina</i> , <i>Unio</i> .....	719
		<i>fabri</i> , <i>Voluta</i> .....	636

## F



APPENDIX 3. — Continuation.

<i>fabricii</i> , <i>Cardium</i> .....	735	<i>flava</i> , <i>Hyalaea</i> .....	674
<i>fabulina</i> , <i>Cyrena</i> .....	744	<i>flava</i> , <i>Melania</i> .....	625
<i>falconeri</i> , <i>Cerithium</i> .....	598	<i>flavescens</i> , <i>Terebra</i> .....	660
<i>fallaciosa</i> , <i>Venus</i> .....	782	<i>flavida</i> , <i>Cyclina</i> .....	782
<i>fallax</i> , <i>Cyrena</i> .....	744	<i>flavida</i> , <i>Scintilla</i> .....	750
<i>fallax</i> , <i>Cytherea</i> .....	782	<i>flexuosus</i> , <i>Murex</i> .....	647
<i>fallax</i> , <i>Eulima</i> .....	627	<i>floridella</i> , <i>Doris</i> .....	670
<i>fallax</i> , <i>Rissoina</i> .....	622	<i>fluctuosa</i> , <i>Pleurotoma</i> .....	665
<i>fasciata</i> , <i>Agathina</i> .....	684	<i>foliacea</i> , <i>Venerupis</i> .....	782
<i>fasciata</i> , <i>Auricula</i> .....	682	<i>foliaceus</i> , <i>Murex</i> .....	649
<i>fasciatum</i> , <i>Cerithium</i> .....	618	<i>folini</i> , <i>Gastrochaena</i> .....	795
<i>fasciolaris</i> , <i>Mitra</i> .....	650	<i>fonticola</i> , <i>Pupa</i> .....	688
<i>fastidiosa</i> , <i>Cytherea</i> .....	782	<i>forbesi</i> , <i>Cyrena</i> .....	745
<i>faujasi</i> , <i>Avicula</i> .....	708	<i>forbesi</i> , <i>Natica</i> .....	593
<i>faujasi</i> , <i>Siliquaria</i> .....	606	<i>forbesi</i> , <i>Poromya</i> .....	742
<i>faujasii</i> , <i>Clotho</i> .....	788	<i>forbesii</i> , <i>Cardita</i> .....	735
<i>faujasii</i> , <i>Cyrena</i> .....	745	<i>forbesii</i> , <i>Doto</i> .....	671
<i>fayellense</i> , <i>Cerithium</i> .....	619	<i>forbesii</i> , <i>Scintilla</i> .....	750
<i>felix</i> , <i>Cerithium</i> .....	596	<i>formosa</i> , <i>Galeomma</i> .....	750
<i>felix</i> , <i>Trochus</i> ( <i>Zizyphinus</i> ) .....	583	<i>formosa</i> , <i>Terebra</i> .....	661
<i>fellmanni</i> , <i>Unio</i> .....	719	<i>formosum</i> , <i>Cardium</i> .....	736
<i>fenestrata</i> , <i>Emarginula</i> .....	580	<i>formosum</i> , <i>Triton</i> .....	634
<i>fenestrata</i> , <i>Pleurotoma</i> .....	664	<i>formosus</i> , <i>Triphoris</i> .....	617
<i>fenestratus</i> , <i>Fossarus</i> .....	627	<i>fortisi</i> , <i>Melonia</i> .....	806
<i>fenestrella</i> , <i>Emarginula</i> .....	580	<i>fortunei</i> , <i>Terebra</i> .....	661
<i>ferculum</i> , <i>Helix</i> .....	688	<i>foucardi</i> , <i>Donax</i> .....	770
<i>ferrantii</i> , <i>Helix</i> .....	685	<i>foucardi</i> , <i>Erycina</i> .....	753
<i>ferussaci</i> , <i>Quinqueloculina</i> .....	806	<i>foucardi</i> , <i>Lucina</i> .....	722
<i>ferussaci</i> , <i>Tornatella</i> .....	669	<i>fourneli</i> , <i>Hemiaster</i> .....	809
<i>festiva</i> , <i>Columbella</i> .....	642	<i>fragile</i> , <i>Cerithium</i> .....	592
<i>festiva</i> , <i>Terebra</i> .....	660	<i>Fragilia</i> .....	763, 766
<i>festivum</i> , <i>Cardium</i> .....	735	<i>fragilis</i> , <i>Achatina</i> .....	691
<i>fibula</i> , <i>Melania</i> ( <i>Chemnitzia</i> ) .....	589	<i>fragilis</i> , <i>Arca</i> .....	698
<i>fichteli</i> , <i>Arca</i> .....	703	<i>fragilis</i> , <i>Cyrena</i> .....	748
<i>fichteli</i> , <i>Pectunculus</i> .....	706	<i>fragilis</i> , <i>Diplodonta</i> .....	778
<i>Ficuladae</i> .....	631	<i>fragilis</i> , <i>Ficula</i> .....	631
<i>filifer</i> , <i>Turbo</i> .....	583	<i>fragilis</i> , <i>Lacuna</i> .....	624
<i>filiferum</i> , <i>Cerithium</i> .....	596	<i>fragilis</i> , <i>Marginella</i> .....	636
<i>filigrana</i> , <i>Arca</i> .....	703	<i>fragilis</i> , <i>Nucula</i> .....	697
<i>filiola</i> , <i>Helix</i> .....	686	<i>fragilis</i> , <i>Pleurotoma</i> .....	657
<i>filosa</i> , <i>Helix</i> .....	692	<i>fragilis</i> , <i>Sphenia</i> .....	789
<i>fimbriata</i> , <i>Delphinula</i> ( <i>Liotia</i> ) .....	584	<i>fragilis</i> , <i>Sportella</i> .....	742
<i>fimbriata</i> , <i>Terebra</i> .....	660	<i>fragilis</i> , <i>Trochus</i> .....	582
<i>Firoloides</i> .....	617	<i>fragilis</i> , <i>Turbonilla</i> .....	676
<i>fischeri</i> , <i>Adeorbis</i> .....	625	<i>frappieri</i> , <i>Helix</i> .....	690
<i>fischeri</i> , <i>Astarte</i> .....	730	<i>fraterculus</i> , <i>Cardium</i> ( <i>Protocardia</i> ) .....	736
<i>fischeri</i> , <i>Cerithium</i> .....	598	<i>fraterculus</i> , <i>Murex</i> .....	647
<i>fischeri</i> , <i>Pupa</i> .....	689	<i>fraterculus</i> , <i>Turbo</i> .....	582
<i>fissuratum</i> , <i>Buccinum</i> .....	651	<i>fraudator</i> , <i>Cardium</i> ( <i>Protocardia</i> ) .....	736
<i>fittoni</i> , <i>Astarte</i> .....	731	<i>frauenfeldi</i> , <i>Paludina</i> .....	591
<i>fittoni</i> , <i>Trigonia</i> .....	718	<i>freycinetii</i> , <i>Purpura</i> .....	648
<i>flabelliformis</i> , <i>Pecten</i> .....	716	<i>frumentum</i> , <i>Melania</i> ( <i>Chemnitzia</i> ) .....	589
<i>flabelloides</i> , <i>Lima</i> .....	717	<i>fulgurata</i> , <i>Neritina</i> .....	587
<i>flammula</i> , <i>Tellina</i> .....	765	<i>fulva</i> , <i>Achatina</i> .....	684

## APPENDIX 3. — Continuation.

<i>fulva</i> , <i>Pyrula</i> .....	644	<i>gigantea</i> , <i>Lucina</i> .....	722
<i>funiculosa</i> , <i>Cassidaria</i> .....	633	<i>gigantea</i> , <i>Morrisia</i> .....	810
<i>funiculosa</i> , <i>Fasciolaria</i> .....	640	<i>gigantea</i> , <i>Rissoa</i> .....	621
<i>funiculosa</i> , <i>Purpura</i> .....	654	<i>gigantea</i> , <i>Venerupis</i> .....	782
<i>funiculosa</i> , <i>Turritella</i> .....	608	<i>gigas</i> , <i>Chama</i> .....	740
<i>funiculosus</i> , <i>Trochus</i> .....	585	<i>gigas</i> , <i>Gastrochaena</i> .....	795
<i>fuscata</i> , <i>Melania</i> .....	607	<i>glabra</i> , <i>Patella</i> .....	578
<i>fuscata</i> , <i>Pleurotoma</i> .....	656	<i>glabra</i> , <i>Rimulina</i> .....	807
<i>fusiforme</i> , <i>Buccinum</i> .....	640	<i>glabra</i> , <i>Terebra</i> .....	661
<i>fusififormis</i> , <i>Cancellaria</i> .....	638	<i>glabrata</i> , <i>Mesodesma</i> .....	762
<i>fusififormis</i> , <i>Canidia</i> .....	645	<i>glabrella</i> , <i>Tellina</i> .....	765
<i>fusififormis</i> , <i>Pupa</i> .....	688	<i>glandina</i> , <i>Ancillaria</i> .....	651
<i>fusiopsis</i> , <i>Buccinum</i> .....	640	<i>glandiola</i> , <i>Acasta</i> .....	810
<i>fusoides</i> , <i>Murex</i> .....	648	<i>glaphyra</i> , <i>Bulla</i> ( <i>Haminea</i> ) .....	673
		<i>glaucinoides</i> , <i>Natica</i> .....	615
		<i>globatus</i> , <i>Fusus</i> .....	644
		<i>globosa</i> , <i>Venerupis</i> .....	782
		<i>globulosa</i> , <i>Arca</i> .....	703
		<i>globulosa</i> , <i>Auricula</i> .....	670
		<i>globulosa</i> , <i>Cytherea</i> .....	783
		<i>globulosa</i> , <i>Lacuna</i> .....	613
		<i>globulosa</i> , <i>Lucina</i> .....	722
		<i>globulosum</i> , <i>Cerithium</i> .....	596
		<i>globulosus</i> , <i>Magilus</i> .....	649
		<i>globulus</i> , <i>Bulla</i> .....	673
		<i>globulus</i> , <i>Paludina</i> .....	625
		<i>globulus</i> , <i>Pupa</i> .....	689
		<i>Globus</i> .....	733, 878
		<i>globus</i> , <i>Natica</i> .....	593
		<i>goldfusi</i> , <i>Lucina</i> .....	722
		<i>goldfussi</i> , <i>Anomia</i> .....	714
		<i>goldfussi</i> , <i>Pecten</i> .....	716
		<i>goldfussi</i> , <i>Voluta</i> .....	637
		<i>goniata</i> , <i>Mactra</i> .....	756
		<i>goniophora</i> , <i>Bulla</i> ( <i>Cylichna</i> ) .....	672
		<i>goniophorum</i> , <i>Cerithium</i> .....	598
		<i>gossei</i> , <i>Cardium</i> .....	736
		<i>gothicus</i> , <i>Fusus</i> .....	642
		<i>gouberti</i> , <i>Natica</i> .....	593
		<i>gouldi</i> , <i>Scalaria</i> .....	611
		<i>gouldi</i> , <i>Terebra</i> .....	661
		<i>gourieffi</i> , <i>Cardium</i> .....	736
		<i>gracilidigitata</i> , <i>Rostellaria</i> .....	632
		<i>gracilis</i> , <i>Aciculina</i> .....	676
		<i>gracilis</i> , <i>Arca</i> ( <i>Barbatia</i> ) .....	703
		<i>gracilis</i> , <i>Leda</i> .....	698
		<i>gracilis</i> , <i>Petricola</i> .....	788
		<i>gracilis</i> , <i>Siliquaria</i> .....	606
		<i>graciosa</i> , <i>Nerita</i> .....	587
		<i>gradata</i> , <i>Venus</i> .....	783
		<i>gradatum</i> , <i>Buccinum</i> .....	645
		<i>gradatum</i> , <i>Cerithium</i> .....	604
		<i>graecum</i> , <i>Cerithium</i> .....	596
		<i>granatina</i> , <i>Purpura</i> .....	645
G			
<i>Gadus</i> .....	803		
<i>Gaiderope</i> .....	716		
<i>gaimardi</i> , <i>Helix</i> .....	694		
<i>galeotti</i> , <i>Pecten</i> .....	715		
<i>gallicula</i> , <i>Corbula</i> .....	790		
<i>garconi</i> , <i>Patella</i> .....	578		
<i>gaymardi</i> , <i>Helix</i> .....	694		
<i>gaymardi</i> , <i>Mesodesma</i> .....	761		
<i>gaymardi</i> , <i>Operculina</i> .....	807		
<i>geminata</i> , <i>Arca</i> .....	703		
<i>geminata</i> , <i>Terebra</i> .....	661		
<i>Gemma</i> .....	779		
<i>gemmulata</i> , <i>Pleurotoma</i> .....	656		
<i>geometrica</i> , <i>Astrea</i> .....	808		
<i>Gervilia</i> .....	709, 861, 863, 878		
<i>gervillii</i> , <i>Cardita</i> .....	727		
<i>gervillii</i> , <i>Etallonia</i> .....	656		
<i>geslini</i> , <i>Cerithium</i> .....	601		
<i>geslini</i> , <i>Cyrena</i> .....	745		
<i>geslini</i> , <i>Venus</i> .....	782, 786		
<i>gevesensis</i> , <i>Ampullaria</i> .....	590		
<i>gibba</i> , <i>Polymorphina</i> .....	807		
<i>gibbia</i> , <i>Lucina</i> .....	722		
<i>gibbosa</i> , <i>Hyalaea</i> .....	674		
<i>gibbosula</i> , <i>Clausilia</i> .....	689		
<i>gibbosula</i> , <i>Cycladicama</i> .....	779		
<i>gibbosula</i> , <i>Cytherea</i> .....	782		
<i>gibbosula</i> , <i>Dione</i> .....	782		
<i>gibbosula</i> , <i>Helix</i> .....	692		
<i>gibbosula</i> , <i>Heterocardia</i> .....	756		
<i>gibbosula</i> , <i>Mactra</i> .....	758		
<i>gibbosula</i> , <i>Sportella</i> .....	742		
<i>gibbosulum</i> , <i>Cerithium</i> .....	597		
<i>gigantea</i> , <i>Astarte</i> .....	731		
<i>gigantea</i> , <i>Fistulana</i> .....	795		









APPENDIX 3. — Continuation.

<i>incerta, Fissurella</i> .....	580	<i>inflexa, Terebratula</i> .....	810
<i>incerta, Melania</i> .....	621	<i>inflexa, Valvata (Gyrorbis)</i> .....	667
<i>incerta, Ostrea</i> .....	711	<i>ingens, Diplodonta</i> .....	778
<i>incerta, Rissoa</i> .....	624	<i>ingratum, Cardium</i> .....	736
<i>incerta, Scintilla</i> .....	751	<i>inopinata, Helix</i> .....	694
<i>incerta, Siphonaria</i> .....	675	<i>inopinata, Venus</i> .....	783
<i>incerta, Soletellina</i> .....	775	<i>inopinatum, Cerithium</i> .....	598
<i>incerta, Tellina</i> .....	765	<i>inornata, Chama</i> .....	740
<i>incerta, Turritella</i> .....	608	<i>inornata, Lucina</i> .....	722
<i>incertum, Cardium</i> .....	736	<i>inornata, Turritella</i> .....	677
<i>incertum, Dentalium</i> .....	803	<i>inornatum, Triton</i> .....	634
<i>incertus, Fusus</i> .....	643	<i>inquinata, Cyrena</i> .....	745
<i>inchoata, Rissoa</i> .....	621	<i>inquinata, Melania</i> .....	602
<i>inchoatus, Fusus</i> .....	653	<i>inquinata, Tellina</i> .....	765
<i>inclitus, Triforis</i> .....	619	<i>insculpta, Cardita</i> .....	727
<i>inclytus, Triforis</i> .....	619	<i>insignis, Arca (Barbatia)</i> .....	703
<i>incolor, Terebra</i> .....	661	<i>insignis, Batissa</i> .....	745
<i>incommodum, Cerithium</i> .....	592	<i>insignis, Cyrena (Anomala)</i> .....	745
<i>incomparabilis, Terebra</i> .....	661	<i>insignis, Psammobia</i> .....	772
<i>incompleta, Keilostoma</i> .....	599	<i>insignis, Terebra</i> .....	661
<i>incompleta, Littorina</i> .....	613	<i>insignis, Venerupis</i> .....	789
<i>incompta, Cyrena</i> .....	745	<i>insolita, Natica</i> .....	593
<i>incomptus, Conus</i> .....	652	<i>insolita, Rissoina</i> .....	627
<i>incongrua, Mactra</i> .....	759	<i>insolita, Truncaria</i> .....	600
<i>inconspicua, Limnaea</i> .....	679	<i>insolitum, Cerithium</i> .....	604
<i>incrassata, Astarte</i> .....	731	<i>insolitum, Solarium (Disculus)</i> .....	668
<i>incrassata, Corbicula</i> .....	745	<i>insubrica, Helix</i> .....	693
<i>incrassata, Goodallia</i> .....	778	<i>insuetum, Cyclostoma</i> .....	590
<i>incrassata, Rostellaria</i> .....	632	<i>insufflatum, Cardium</i> .....	736
<i>incrassatus, Fusus</i> .....	643	<i>intangibile, Cerithium</i> .....	596
<i>incrassatus, Mytilus</i> .....	700	<i>interferens, Pupa</i> .....	682
<i>incrassatus, Trochus</i> .....	582	<i>interjecta, Modiola (Modiolaris)</i> .....	700
<i>indecora, Galeomma</i> .....	751	<i>interjecta, Venerupis</i> .....	783
<i>indecoratum, Cerithium</i> .....	619	<i>interlineata, Terebra</i> .....	661
<i>indica, Diplodonta</i> .....	779	<i>intermedia, Adeorbis</i> .....	625
<i>indica, Pleurotoma</i> .....	665	<i>intermedia, Bithinia (Nematura)</i> .....	623
<i>indicum, Cyclostoma</i> .....	590	<i>intermedia, Cyrena</i> .....	748
<i>indicum, Sphaerium</i> .....	762	<i>intermedia, Lutraria</i> .....	757
<i>indicus, Pecten</i> .....	715	<i>intermedia, Mesodesma</i> .....	761
<i>indistincta, Gastrochaena</i> .....	795	<i>intermedia, Natica</i> .....	593
<i>inermis, Cardilia</i> .....	760	<i>intermedia, Nerita</i> .....	587
<i>inermis, Chama imbricata</i> .....	740	<i>intermedia, Ovula</i> .....	633
<i>inermis, Diastoma</i> .....	599	<i>intermedia, Paludina</i> .....	591
<i>inermis, Pupa</i> .....	683	<i>intermedia, Psammobia</i> .....	772
<i>inermis, Scalaria (Pyrgiscus)</i> .....	611	<i>intermedia, Turritella</i> .....	608
<i>inermis, Turbo</i> .....	583	<i>intermedium, Buccinum</i> .....	642
<i>inflata, Ancillaria</i> .....	651	<i>intermedium, Odostomia</i> .....	677
<i>inflata, Cyclostoma</i> .....	622	<i>intermedium, Solarium (Thorinia)</i> .....	668
<i>inflata, Cyrena (Anomala)</i> .....	745	<i>intermissum, Cerithium</i> .....	592
<i>inflata, Galeomma</i> .....	751	<i>interposita, Arca (Anadara)</i> .....	703
<i>inflata, Ostrea</i> .....	713	<i>interposita, Cypraea</i> .....	630
<i>inflata, Tapes</i> .....	783	<i>interposita, Pleurotoma</i> .....	655
<i>inflata, Triloculina</i> .....	807	<i>interposita, Turritella</i> .....	608
<i>inflatus, Planorbis</i> .....	681	<i>interpositus, Fusus</i> .....	643





APPENDIX 3. — Continuation.

<i>laeta</i> , Tornatella .....	669	<i>lamarckii</i> , Siliqua .....	794
<i>laevigata</i> , Ampullaria .....	594	<i>lamarckii</i> , Solecurtus .....	777
<i>laevigata</i> , Calyptraea .....	628	<i>lamarckii</i> , Tergipes .....	671
<i>laevigata</i> , Cardinia .....	725	<i>lamarckii</i> , Trochus .....	582
<i>laevigata</i> , Cristellaria .....	807	<i>lamarckii</i> , Volvaria .....	669
<i>laevigata</i> , Cyclas .....	762	<i>lamarkii</i> , Crassatella .....	729
<i>laevigata</i> , Donax .....	771	<i>lamarkii</i> , Leptoconchus .....	648
<i>laevigata</i> , Gastrochaena .....	796	<i>lamarkii</i> , Ranella .....	633
<i>laevigata</i> , Goodallia .....	778	<i>lamberti</i> , Cyrena .....	745
<i>laevigata</i> , Hyalaea .....	674	<i>lamberti</i> , Cytherea .....	783
<i>laevigata</i> , Lucina .....	778	<i>lamberti</i> , Diplodonta .....	778
<i>laevigata</i> , Melania .....	589	<i>lamberti</i> , Fusus .....	643
<i>laevigata</i> , Orbicula .....	809	<i>lamberti</i> , Mactra .....	757
<i>laevigata</i> , Quinqueloculina .....	807	<i>lamberti</i> , Physa .....	680
<i>laevigata</i> , Strophostoma .....	590	<i>lamberti</i> , Pleurotoma .....	654
<i>laevigata</i> , Turritella .....	594	<i>lamberti</i> , Scalaria .....	611
<i>laevigatus</i> , Bulimus .....	624	<i>lamberti</i> , Syndosmya .....	776
<i>laevigatus</i> , Mytilus .....	700	<i>lamellaris</i> , Ostrea .....	711
<i>laevigatus</i> , Planorbis .....	681	<i>lamellosa</i> , Arca (Acar) .....	703
<i>laevigatus</i> , Proto .....	608	<i>lamellosa</i> , Calyptraea .....	629
<i>laevigatus</i> , Sigaretus .....	615	<i>lamellosa</i> , Gastrochaena .....	796
<i>laevigatus</i> , Turbo .....	625	<i>lamellosa</i> , Tellina .....	766
<i>lagenalis</i> , Clavagella .....	797	<i>lanceolata</i> , Donax .....	770
<i>Lajonkairia</i> .....	788	<i>lanceolata</i> , Mesodesma .....	762
<i>lajonkairii</i> , Delphinula .....	586	<i>laperousii</i> , Cardium .....	737
<i>lajonkairii</i> , Pleurotoma .....	665	<i>laperousii</i> , Chironia .....	753
<i>lajoyei</i> , Trigonina .....	718	<i>larteti</i> , Pleurotoma .....	665
<i>lajoyi</i> , Mitra .....	637	<i>lata</i> , Caecella .....	761
<i>lamarckiana</i> , Phasianella .....	584	<i>lata</i> , Clavagella .....	797
<i>lamarckii</i> , Ancillaria .....	651	<i>lata</i> , Hindsia .....	751
<i>lamarckii</i> , Auricula .....	682	<i>lata</i> , Mesodesma .....	761, 762
<i>lamarckii</i> , Bulla (Haminea) .....	673	<i>lata</i> , Psammobia .....	773
<i>lamarckii</i> , Calyptraea .....	629	<i>latebrosa</i> , Lucina .....	723
<i>lamarckii</i> , Clavagella .....	797	<i>latens</i> , Erycina .....	754
<i>lamarckii</i> , Corbula .....	790	<i>laticosta</i> , Astarte .....	731
<i>lamarckii</i> , Crassatella .....	729	<i>laticosta</i> , Fusus .....	643
<i>lamarckii</i> , Cypraea .....	630	<i>laticostata</i> , Astarte .....	730
<i>lamarckii</i> , Cytherea .....	783	<i>laticostatus</i> , Fusus .....	643
<i>lamarckii</i> , Donax .....	770, 771	<i>latior</i> , Ceromya .....	797
<i>lamarckii</i> , Erycina .....	753	<i>latior</i> , Helix soror .....	696
<i>lamarckii</i> , Fusus .....	653	<i>latissima</i> , Lutraria .....	757
<i>lamarckii</i> , Leptocoelus .....	648	<i>latissima</i> , Ostrea .....	711
<i>lamarckii</i> , Melanopsis (Pirena) .....	601	<i>latum</i> , Buccinum .....	645
<i>lamarckii</i> , Meretrix .....	783	<i>laudunensis</i> , Arca .....	703
<i>lamarckii</i> , Mitra .....	650	<i>laudunensis</i> , Fragilia .....	766
<i>lamarckii</i> , Nautilus .....	804	<i>laudunensis</i> , Pecten .....	715
<i>lamarckii</i> , Neritina .....	587	<i>laudunensis</i> , Umbrella .....	671
<i>lamarckii</i> , Oniscia .....	635	<i>lauta</i> , Cyrena .....	745
<i>lamarckii</i> , Paludina .....	591	<i>laxatus</i> , Serpularbis .....	620
<i>lamarckii</i> , Perna .....	709	<i>layardi</i> , Capsa (Capsella) .....	773
<i>lamarckii</i> , Psammobia .....	772	<i>layardi</i> , Galeomma .....	751
<i>lamarckii</i> , Ranella .....	633	<i>layardi</i> , Mesodesma .....	762
<i>lamarckii</i> , Sanguinolaria .....	765	<i>layardi</i> , Psammobia .....	773
<i>lamarckii</i> , Scalaria .....	611	<i>layardi</i> , Tellina .....	766

## APPENDIX 3. — Continuation.

<i>leanus</i> , <i>Hippagus</i> .....	755	<i>linnaei</i> , <i>Turritella</i> .....	608
<i>lebroso</i> , <i>Mitra</i> .....	637	<i>lispe</i> , <i>Vermet[us]</i> .....	621, 811
<i>lebruni</i> , <i>Conus</i> .....	652	<i>listeri</i> , <i>Pleurotomaria</i> .....	579
<i>lebrunii</i> , <i>Bulla</i> ( <i>Cylichna</i> ) .....	672	<i>lituus</i> , <i>Caecum</i> ( <i>Strebloceras</i> ) .....	623
<i>lebrunii</i> , <i>Delphinula</i> .....	583	<i>livida</i> , <i>Auricula</i> .....	682
<i>leda</i> , <i>Tellina</i> .....	766	<i>livida</i> , <i>Avicula</i> .....	710
<i>legumen</i> , <i>Saxicava</i> .....	789	<i>lobata</i> , <i>Hindsia</i> .....	751
<i>lemniscatus</i> , <i>Bulimus</i> .....	687	<i>lobulata</i> , <i>Lucina</i> .....	723
<i>lenticularis</i> , <i>Batissa</i> .....	746	<i>lobulatum</i> , <i>Cardium</i> .....	737
<i>lenticularis</i> , <i>Circe</i> .....	783	<i>longa</i> , <i>Melanopsis nodosa</i> .....	600
<i>lenticularis</i> , <i>Cyrenella</i> .....	778	<i>longidentata</i> , <i>Erycina</i> .....	754
<i>lenticularis</i> , <i>Terebratula</i> .....	810	<i>longirostra</i> , <i>Corbula</i> .....	790
<i>lenticularis</i> , <i>Viquesnelia</i> .....	591	<i>longirostra</i> , <i>Hyalaea</i> .....	674
<i>lentiformis</i> , <i>Limopsis</i> .....	708	<i>longirostris</i> , <i>Fusus</i> .....	644
<i>lessoni</i> , <i>Amphistegina</i> .....	806	<i>longirostris</i> , <i>Sepia</i> .....	805
<i>lessoni</i> , <i>Dentalium</i> .....	802	<i>longiscata</i> , <i>Terebra</i> .....	662
<i>lessoni</i> , <i>Limnea</i> .....	679	<i>longispina</i> , <i>Sepia</i> .....	805
<i>lessonii</i> , <i>Donax</i> .....	784	<i>lorioli</i> , <i>Natica</i> .....	615, 616
<i>leucostoma</i> , <i>Purpura</i> .....	648	<i>loroisi</i> , <i>Terebra</i> .....	662
<i>leucozonias</i> , <i>Mitra</i> .....	649	<i>loueli</i> , <i>Rissoina</i> .....	622
<i>levantina</i> , <i>Succinea</i> .....	686	<i>loustaii</i> , <i>Lacuna</i> .....	613
<i>levata</i> , <i>Littorina</i> .....	613	<i>loustaii</i> , <i>Pleurotoma</i> .....	654
<i>levata</i> , <i>Patella</i> .....	578	<i>loustaii</i> , <i>Tornatella</i> .....	669
<i>levesquei</i> , <i>Cypraea</i> .....	630	<i>lowii</i> , <i>Pedipes</i> .....	682
<i>levesquei</i> , <i>Lucina</i> .....	723	<i>lubricum</i> , <i>Odostomia</i> .....	677
<i>levesquei</i> , <i>Mytilus</i> .....	700	<i>lucasii</i> , <i>Anodonta</i> .....	719
<i>levesquei</i> , <i>Sigaretus</i> .....	616	<i>lucasii</i> , <i>Cyclas</i> .....	762
<i>levigatissima</i> , .....	622	<i>lucasii</i> , <i>Helix</i> .....	693
<i>levigatum</i> , <i>Lepton</i> .....	754	<i>lucida</i> , <i>Arca</i> ( <i>Barbatia</i> ) .....	704
<i>leymerii</i> , <i>Hinnites</i> .....	716	<i>lucida</i> , <i>Tellina</i> .....	766
<i>leymerii</i> , <i>Ostrea</i> .....	713	<i>lucidum</i> , <i>Dentalium</i> .....	802
<i>leymerii</i> , <i>Planorbis</i> .....	681	<i>lucinalis</i> , <i>Tellina</i> .....	766
<i>ligamentina</i> , <i>Pholas</i> .....	792	<i>lucinoides</i> , <i>Venus</i> .....	778
<i>ligamentina</i> , <i>Tellina</i> .....	766	<i>ludensis</i> , <i>Ostrea</i> .....	711
<i>ligar</i> , <i>Turritella</i> .....	608	<i>ludensis</i> , <i>Pholadomya</i> .....	798
<i>ligniperda</i> , <i>Pholas</i> .....	792	<i>ludovica</i> , <i>Thracia</i> .....	799
<i>lignitarum</i> , <i>Limnaea</i> .....	679	<i>Ludovicia</i> .....	674
<i>lignitarum</i> , <i>Natica</i> .....	593	<i>lunatum</i> , <i>Cardium</i> .....	708
<i>lignitarum</i> , <i>Odostomia</i> .....	677	<i>lunula</i> , <i>Tellina</i> .....	766
<i>lima</i> , <i>Cerithium</i> .....	597	<i>lunularia</i> , <i>Cytherea</i> .....	784
<i>lima</i> , <i>Terebra</i> .....	661	<i>lunularis</i> , <i>Lima</i> .....	718
<i>limatum</i> , <i>Buccinum</i> .....	646	<i>lunulata</i> , <i>Capsa</i> ( <i>Capsella</i> ) .....	773
<i>limbata</i> , <i>Bithinia</i> .....	622	<i>lunulata</i> , <i>Cyprina</i> .....	732
<i>limbata</i> , <i>Hyalaea</i> .....	674	<i>lunulata</i> , <i>Cyrena</i> .....	746
<i>limbatum</i> , <i>Cerithium</i> .....	597	<i>lupinus</i> , <i>Lucina</i> .....	725
<i>limula</i> , <i>Cerithium</i> .....	597	<i>lupinus</i> , <i>Natica</i> .....	615
<i>lineolata</i> , <i>Crepidula</i> .....	629	<i>luteola</i> , <i>Lucina</i> .....	723
<i>lineolata</i> , <i>Natica</i> .....	615	<i>luteostoma</i> , <i>Voluta</i> .....	637
<i>lineolata</i> , <i>Neritina</i> .....	588	<i>lutescente</i> , <i>Mitra</i> .....	650
<i>lineolata</i> , <i>Voluta</i> .....	637	<i>Lutetia</i> .....	577-589, 591-644, 646-658, 664-673, 676-683, 689-691, 693, 696-705, 707-718, 720-734, 736-744, 746-748, 750-755, 757, 763-774, 776-795, 797-810
<i>lineolatum</i> , <i>Cerithium</i> .....	598	<i>lutuosa</i> , <i>Helix</i> .....	695
<i>lingulata</i> , <i>Avicula</i> .....	710		
<i>lingulata</i> , <i>Helix</i> .....	696		
<i>lingulata</i> , <i>Ostrea</i> .....	711		



APPENDIX 3. — Continuation.

*luzonica, Mactra* ..... 759  
*lycetti, Cucullaea* ..... 708  
*lyelli, Ammonites* ..... 803  
*lyelli, Arca* ..... 704  
*lyra, Pleurotoma* ..... 666  
*lyra, Quinqueloculina* ..... 806

M

*macroceramiformis, Bulimus* ..... 688  
*macrochisma, Anomia* ..... 714  
*macrochisma, Fissurella* ..... 581  
*macrochisma, Galeomma* ..... 751  
*macrodon, Cardium* ..... 737  
*macrodon, Mesodesma* ..... 762  
*Macrodonta* ..... 681, 683  
*macrodonta, Erycina* ..... 754  
*macrodonta, Syndosmya* ..... 776  
*macromya, Sportella* ..... 742  
*macrophylla, Venerupis* ..... 784  
*macropterus, Murex* ..... 648  
*macroschisma, Gastrochaena* ..... 796  
*macrostoma, Delphinula* ..... 583  
*macrostoma, Lacuna* ..... 613  
*macrostoma, Paludina* ..... 591  
*macrostoma, Rissoina* ..... 622  
*macrostoma, Natica* ..... 709  
*mactroides, Cyrena* ..... 746  
*mactroides, Mesodesma* ..... 762  
*maculata, Agathina* ..... 684  
*maculata, Natica* ..... 616  
*maculosa, Clausilia* ..... 689  
*magellanoides, Arca* ..... 704  
*magnifica, Fissurella* ..... 580  
*magnificum, Cardium* ..... 740  
*magnificus, Chiton* ..... 800  
*magulus, Trochus* ..... 582  
*maguntina, Helix* ..... 693  
*maillardii, Anisodonta* ..... 741  
*maillardii, Chiton* ..... 801  
*maillardii, Dolabrifera* ..... 674  
*maillardii, Helix* ..... 690  
*maillardii, Leptoconchus* ..... 648  
*maillardii, Perna* ..... 709  
*major, Bulimus* ..... 687  
*malaccensis, Corbicula* ..... 746  
*malaccensis, Psammotella* ..... 775  
*manicata, Tritonia* ..... 671  
*marceauxi, Patella* ..... 578  
*marceauxi, Pedipes* ..... 682  
*marceauxi, Rostellaria* ..... 632  
*marceauxiana, Arca* ..... 704

*marceauxiana, Bithinia* ..... 624  
*maresi, Cerithium* ..... 619  
*margaritacea, Saxicava* ..... 797  
*margaritaceus, Trochus* ..... 585  
*margaritula, Arca* ..... 707  
*margaritula, Pleurotoma* ..... 657  
*margaritula, Ranella* ..... 633  
*margaritula, Teinostoma* ..... 626  
*marginale, Solarium (Thorinia)* ..... 668  
*marginalis, Scalaria* ..... 611  
*marginalis, Woodia* ..... 730  
*marginata, Auricula* ..... 670, 676  
*marginata, Bifrontia* ..... 608  
*marginata, Borsonia* ..... 654  
*marginata, Lacuna* ..... 623  
*marginata, Terebra* ..... 658, 662  
*marginatum, Cerithium* ..... 604  
*marginatum, Solarium* ..... 667, 668  
*marmini, Achatina* ..... 684  
*marmirii, Achatina* ..... 691  
*marmorata, Terebra* ..... 662  
*marmorea, Psammobia* ..... 773  
*maroccanus, Fusus* ..... 643  
*martini, Cardilia* ..... 760  
*martinii, Cyclostoma* ..... 614  
*masier, Vermetus* ..... 620  
*matheroni, Cyclostoma* ..... 590  
*matheroni, Natica* ..... 615  
*matheroni, Paludina* ..... 591  
*matheroniana, Terebra* ..... 662  
*mauritanum, Cardium* ..... 737  
*maxima, Psammobia* ..... 773  
*maximus, Fusus* ..... 643  
*mayeri, Lucina* ..... 723  
*mazatlanica, Tellina* ..... 766  
*mazei, Conus* ..... 652  
*media, Cypraea* ..... 630  
*media, Odostomia* ..... 677  
*media, Ovula* ..... 633  
*media, Syndosmya* ..... 776  
*media, Trigonocoelia* ..... 707  
*mediana, Bithinia (Nematura)* ..... 625  
*mediocris, Pleurotoma* ..... 665  
*mediterranea, Cypricardia* ..... 733  
*mediterraneum, Cerithium* ..... 597  
*medius, Pectunculus* ..... 706  
*megadesma, Batissa* ..... 746  
*Megarima* ..... 809, 864  
*melaniana, Limnaea* ..... 679  
*melanoides, Buccinum* ..... 645  
*melanoides, Eulima* ..... 628  
*melanoides, Paludina* ..... 591  
*melanoides, Phasianella* ..... 613  
*menardi, Astarte* ..... 730

## APPENDIX 3. — Continuation.

<i>menardi</i> , <i>Lucina</i> .....	723	<i>minor</i> , <i>Capsa</i> ( <i>Capsella</i> ) .....	773
<i>menardii</i> , <i>Panopaea</i> .....	793	<i>minor</i> , <i>Circe</i> .....	784
<i>menkeana</i> , <i>Cyprea</i> .....	630	<i>minor</i> , <i>Crassatella plumbea</i> .....	729
<i>menkeana</i> , <i>Psammobia</i> .....	773	<i>minor</i> , <i>Diceras</i> .....	731
<i>menkei</i> , <i>Cerithium</i> .....	597	<i>minor</i> , <i>Dosinia</i> .....	784
<i>mera</i> , <i>Mactra</i> .....	759	<i>minor</i> , <i>Keilostoma</i> .....	600
<i>mercati</i> , <i>Strombus</i> .....	631	<i>minor</i> , <i>Nucula</i> .....	697
<i>merciniensis</i> , <i>Natica</i> .....	593	<i>minor</i> , <i>Odostomia</i> .....	677
<i>meretriciformis</i> , <i>Mactra</i> .....	759	<i>minor</i> , <i>Panopaea</i> .....	793
<i>meridanensis</i> , <i>Pecten</i> .....	715	<i>minor</i> , <i>Ringicula</i> .....	670
<i>mesal</i> , <i>Turritella</i> .....	609	<i>minor</i> , <i>Turbinella</i> .....	641
<i>Mesodesma</i> . 756, 760-762, 823, 830, 837, 840, 851, 857		<i>minuata</i> , <i>Arca</i> .....	704
<i>Mesostoma</i> .....	610	<i>minuata</i> , <i>Bithinia</i> .....	623
<i>metcalfei</i> , <i>Circe</i> .....	784	<i>minuata</i> , <i>Lucina</i> .....	723
<i>meynardi</i> , <i>Panopaea</i> .....	793	<i>minuatatum</i> , <i>Cerithium</i> .....	618
<i>micans</i> , <i>Oliva</i> .....	650	<i>minuatus</i> , <i>Fusus</i> .....	656
<i>micans</i> , <i>Turbo</i> .....	584	<i>minuatus</i> , <i>Triforis</i> .....	617
<i>michaudi</i> , <i>Adeorbis</i> .....	626	<i>minuta</i> , <i>Arca</i> .....	704
<i>michaudi</i> , <i>Helix</i> .....	696	<i>minuta</i> , <i>Bulla</i> .....	671
<i>michaudi</i> , <i>Unio</i> .....	719	<i>minuta</i> , <i>Corbula</i> .....	790
<i>michaudi</i> , <i>Valvata</i> .....	667	<i>minuta</i> , <i>Cyrena</i> .....	746
<i>micHELini</i> , <i>Cryptobia</i> .....	811	<i>minuta</i> , <i>Keilostoma</i> .....	600
<i>micHELini</i> , <i>Hemicyclonosta</i> .....	760	<i>minuta</i> , <i>Lucina</i> .....	723
<i>micHELini</i> , <i>Limnaea</i> .....	679	<i>minuta</i> , <i>Spaniorinus</i> .....	752
<i>micHELini</i> , <i>Lucina</i> .....	723	<i>minuta</i> , <i>Tellina</i> .....	766
<i>micHELini</i> , <i>Pleurotoma</i> .....	654	<i>minutalis</i> , <i>Helix</i> .....	685
<i>micHELini</i> , <i>Scalaria</i> .....	611	<i>minutissima</i> , <i>Cyclas</i> .....	762
<i>michellotii</i> , <i>Cardilia</i> .....	760	<i>minutissima</i> , <i>Delphinula</i> .....	583
<i>michelottii</i> , <i>Cardilia</i> .....	760	<i>minutissima</i> , <i>Lacuna</i> .....	623
<i>michelottii</i> , <i>Cardium</i> .....	737	<i>minutissima</i> , <i>Melania</i> ( <i>Chemnitzia</i> ) .....	589
<i>microdonta</i> , <i>Helix</i> .....	686	<i>minutissima</i> , <i>Ringicula</i> .....	670
<i>microdonta</i> , <i>Lucina</i> .....	723	<i>minutissima</i> , <i>Scalaria</i> .....	627
<i>microglossa</i> , <i>Natica</i> .....	615	<i>minutus</i> , <i>Fusus</i> .....	648
<i>microptera</i> , <i>Avicula</i> .....	710	<i>minutus</i> , <i>Trochus</i> .....	613
<i>microptera</i> , <i>Modiola</i> .....	700	<i>mirabile</i> , <i>Cardium</i> .....	737
<i>micropterus</i> , <i>Murex</i> .....	648	<i>mirabilis</i> , <i>Lacuna</i> .....	613
<i>microsomus</i> , <i>Pectunculus</i> .....	706	<i>mirabilis</i> , <i>Petricola</i> .....	789
<i>microstoma</i> , <i>Cerithium</i> .....	614	<i>mirabilis</i> , <i>Rostellaria</i> .....	632
<i>microstoma</i> , <i>Cyclostoma</i> .....	625	<i>mirabilis</i> , <i>Trochus</i> ( <i>Diloma</i> ) .....	582
<i>microstoma</i> , <i>Turbonilla</i> .....	677	<i>mirabilis</i> , <i>Truncaria</i> .....	641
<i>miliaris</i> , <i>Auricula</i> .....	677	<i>mirificus</i> , <i>Triphoris</i> .....	617
<i>miliaris</i> , <i>Nucula</i> .....	697	<i>mirus</i> , <i>Bulimus</i> .....	590
<i>miliola</i> , <i>Bithinia</i> ( <i>Nematura</i> ) .....	625	<i>misera</i> , <i>Pyramidella</i> .....	677
<i>millepeda</i> , <i>Silquaria</i> .....	606	<i>misera</i> , <i>Rissoa</i> .....	621
<i>milleri</i> , <i>Belemnites</i> .....	804	<i>mitis</i> , <i>Adeorbis</i> .....	626
<i>milleti</i> , <i>Vermetus</i> .....	609	<i>mitis</i> , <i>Chione</i> .....	784
<i>milletii</i> , <i>Cancellaria</i> .....	639	<i>mitis</i> , <i>Fissurella</i> .....	581
<i>minima</i> , <i>Capsa</i> .....	773	<i>mitis</i> , <i>Littorina</i> .....	613
<i>minima</i> , <i>Corbula</i> .....	790	<i>mitis</i> , <i>Lucina</i> .....	725
<i>minima</i> , <i>Tellina</i> .....	766	<i>mitis</i> , <i>Mactra</i> .....	759
<i>minima</i> , <i>Vulsella</i> .....	710	<i>mitis</i> , <i>Marginella crassula</i> .....	636
<i>minjac</i> , <i>Dolium</i> .....	633	<i>mitis</i> , <i>Mesodesma</i> .....	762
<i>minor</i> , <i>Achatina panthera</i> .....	684	<i>mitis</i> , <i>Pecten</i> .....	715
<i>minor</i> , <i>Borsonia</i> .....	654	<i>mitis</i> , <i>Silquaria</i> .....	606



APPENDIX 3. — Continuation.

<i>mitis, Teinostoma</i> .....	626	<i>moreletiana, Achatina</i> .....	684
<i>mitis, Tellina</i> .....	766	<i>moreli, Patella</i> .....	578
<i>mitis, Turbo</i> .....	582	<i>moretonensis, Clementia</i> .....	784
<i>mitis, Turritella</i> .....	609	<i>moretonensis, Cyrenella</i> .....	778
<i>mitis, Venerupis</i> .....	784	<i>moretonensis, Tellina</i> .....	766
<i>mitraeformis, Borsonia</i> .....	654	<i>morieri, Arca (Barbatia)</i> .....	704
<i>mitrata, Voluta</i> .....	637	<i>morrisii, Leda</i> .....	698
<i>mitratus, Trochus</i> .....	585	<i>mosae, Nerina</i> .....	666
<i>mitreola, Cerithium</i> .....	604	<i>moupiniana, Helix</i> .....	690
<i>mitreola, Pleurotoma</i> .....	665	<i>moupiniensis, Bulimus</i> .....	688
<i>mixta, Eopsephaea</i> .....	638	<i>moussoni, Corbicula</i> .....	746
<i>mixta, Melania (Chemnitzia)</i> .....	589	<i>moussoniana, Cyrena</i> .....	748
<i>mixta, Nucula</i> .....	697	<i>mucronalis, Nucula</i> .....	698
<i>mixta, Tellina (Arcopagia)</i> .....	766	<i>mulleri, Cardita</i> .....	727
<i>mixtum, Cerithium</i> .....	605	<i>mulleri, Velutina</i> .....	631
<i>modesta, Cypricardia</i> .....	733	<i>Mulleriidae</i> .....	576, 719
<i>modesta, Psammobia</i> .....	773	<i>mulleti, Perna</i> .....	709
<i>modesta, Sportella</i> .....	742	<i>multicarinatus, Pecten</i> .....	715
<i>modesta, Syndosmya</i> .....	776	<i>multicostata, Ostrea</i> .....	711
<i>modesta, Terebra</i> .....	662	<i>multicostata, Pleurotoma</i> .....	665
<i>modestum, Odostomia</i> .....	677	<i>multidentata, Arca</i> .....	707
<i>modica, Cardita</i> .....	727	<i>multifida, Fissurella</i> .....	581
<i>modica, Teredo</i> .....	793	<i>multigraniferum, Triton</i> .....	634
<i>modicella, Helix</i> .....	685	<i>multigranum, Cerithium</i> .....	597
<i>modicella, Neritina</i> .....	588	<i>multigrata, Pleurotoma</i> .....	665
<i>modicum, Cyclostoma</i> .....	624	<i>multilamellata, Lucina</i> .....	723
<i>modiolaeforme, Cardium</i> .....	798	<i>multilineatum, Cerithium</i> .....	598
<i>modiolaris, Saxicava</i> .....	733	<i>multilineolata, Pleurotoma</i> .....	656
<i>Modioliformia</i> .....	702	<i>multinodis, Pleurotoma</i> .....	666
<i>modioliformis, Arca</i> .....	704	<i>multinodosum, Cerithium</i> .....	598
<i>modiolina, Erycina</i> .....	751	<i>multipes, Pterocera</i> .....	631
<i>modiolina, Saxicava</i> .....	733	<i>multiplicata, Plicatula</i> .....	717
<i>modunense, Cerithium</i> .....	597	<i>multispiratum, Cerithium</i> .....	619
<i>moerchi, Serpularbis</i> .....	620	<i>multisquamatum, Cardium</i> .....	737
<i>moesta, Tellina</i> .....	766	<i>multistriata, .....</i>	641, 672, 697, 711, 804
<i>mohrensterni, Rissoina</i> .....	621	<i>multistriata, Bulla</i> .....	672
<i>mollis, Arca</i> .....	704	<i>multistriata, Helix</i> .....	697
<i>monilia, Helix</i> .....	688	<i>multistriata, Orthocera</i> .....	804
<i>monilifera, Turritella</i> .....	609	<i>multistriata, Ostrea</i> .....	711
<i>moniliferum, Cerithium</i> .....	605	<i>multistriatum, Dentalium</i> .....	802
<i>monodacna, Cardium</i> .....	737	<i>multistriatus, Murex</i> .....	648
<i>monodactylus, Rostellaria</i> .....	628	<i>multistriatus, Pecten</i> .....	715
<i>monodonta, Lacunopsis</i> .....	625	<i>multistriatus, Spondylus</i> .....	717
<i>monodonta, Littorina</i> .....	613	<i>multisulcata, Cytherea</i> .....	784
<i>monoplex, Purpura (Monoplex)</i> .....	649	<i>multisulcata, Phasianella</i> .....	613
<i>monozonalis, Bulimus</i> .....	687	<i>munda, Eulima</i> .....	627
<i>moreleti, Bulimus</i> .....	686	<i>munda, Natica</i> .....	615
<i>moreleti, Cyclostoma (Hydrocoena)</i> .....	622	<i>mundulum, Cerithium</i> .....	618
<i>moreleti, Cylindrella</i> .....	685	<i>mundus, Turbo</i> .....	584
<i>moreleti, Melania</i> .....	607	<i>munieri, Cerithium</i> .....	619
<i>moreleti, Ostrea</i> .....	711	<i>munieri, Helix</i> .....	693
<i>moreleti, Paludina</i> .....	591	<i>munieri, Pupa</i> .....	689
<i>moreleti, Pecten</i> .....	715	<i>munieri, Tornatella</i> .....	669
<i>moreleti, Unio</i> .....	720	<i>munsteri, Cardium</i> .....	699

## APPENDIX 3. — Continuation.

<i>murchisoni</i> , <i>Maetra</i> .....	759	<i>nitida</i> , <i>Corbula</i> .....	791
<i>murchisoni</i> , <i>Pecten</i> .....	715	<i>nitida</i> , <i>Cyrena</i> .....	746
<i>murchisoni</i> , <i>Rostellaria</i> .....	632	<i>nitida</i> , <i>Cytherea</i> .....	784
<i>muricina</i> , <i>Corbula</i> .....	790	<i>nitida</i> , <i>Donax</i> .....	771
<i>muricinus</i> , <i>Fusus</i> .....	641	<i>nitida</i> , <i>Mesodesma</i> .....	762
<i>muricoides</i> , <i>Fusus</i> .....	644	<i>nitida</i> , <i>Psammobia</i> .....	773
<i>muricoides</i> , <i>Littorina</i> .....	584	<i>nitidissima</i> , <i>Broderipia</i> .....	582
<i>Murula</i> .....	646	<i>nitidissimum</i> , <i>Lepton</i> .....	754
<i>mustelina</i> , <i>Auricula</i> .....	682	<i>nitidula</i> , <i>Cyrena</i> ( <i>Anomala</i> ) .....	746
<i>mutabilis</i> , <i>Natica</i> .....	593	<i>nitidula</i> , <i>Erycina</i> .....	754
<i>mutabilis</i> , <i>Ostrea</i> .....	711	<i>nitidula</i> , <i>Eulima</i> .....	627
<i>mutata</i> , <i>Lucina</i> .....	723	<i>nitidula</i> , <i>Marginella</i> .....	636
<i>mutata</i> , <i>Tellina</i> .....	766	<i>nitidula</i> , <i>Melania</i> ( <i>Chemnitzia</i> ) .....	609
<i>mutata</i> , <i>Voluta</i> .....	637	<i>nitidula</i> , <i>Oliva</i> .....	650
<i>mutatum</i> , <i>Cerithium</i> .....	618	<i>nitidula</i> , <i>Tellina</i> ( <i>Arcopagia</i> ) .....	766
<i>myacina</i> , <i>Sphenia</i> .....	790	<i>nivosa</i> , <i>Psammobia</i> .....	773
<i>myalis</i> , <i>Sphenia</i> .....	789	<i>nobilis</i> , <i>Auricula</i> .....	683
		<i>nobilis</i> , <i>Cyrena</i> .....	746
		<i>nobilis</i> , <i>Dosinia</i> .....	784
		<i>nodiferum</i> , <i>Cerithium</i> .....	605
		<i>nodulare</i> , <i>Cerithium</i> .....	598, 599
		<i>nodularis</i> , <i>Pleurotoma</i> .....	654
		<i>nodularis</i> , <i>Terebra</i> .....	662
		<i>nodulosa</i> , <i>Nerinea</i> .....	667
		<i>nodulosus</i> , <i>Conus</i> .....	652
		<i>normalis</i> , <i>Pleurotoma</i> ( <i>Eopleurotoma</i> ) <i>tenuistriata</i> .....	666
		<i>notabilis</i> , <i>Cyrena</i> .....	746
		<i>notabilis</i> , <i>Pleurotoma</i> .....	666
		<i>notabilis</i> , <i>Venerupis cordieri</i> .....	784
		<i>notata</i> , <i>Helix</i> .....	696
		<i>notata</i> , <i>Lucina</i> .....	723
		<i>notata</i> , <i>Turbonilla</i> .....	677
		<i>noueli</i> , <i>Helix</i> .....	693
		<i>noueli</i> , <i>Limnaea</i> .....	679
		<i>novaezelandiae</i> , <i>Cardium</i> .....	740
		<i>novaezelandiae</i> , <i>Sphaerium</i> .....	762
		<i>novaezelandiae</i> , <i>Strombus</i> .....	631
		<i>novatum</i> , <i>Cardium</i> .....	737
		<i>novatum</i> , <i>Trochus</i> ( <i>Zizyphinus</i> ) .....	583
		<i>novemdactylis</i> , <i>Pterocera</i> .....	631
		<i>novigentiensis</i> , <i>Clausilia</i> .....	689
		<i>novigentiensis</i> , <i>Paludina</i> .....	591
		<i>nuberculata</i> , <i>Helix</i> .....	692
		<i>nucleolus</i> , <i>Tellina</i> .....	766
		<i>nucleus</i> , <i>Helix</i> .....	695
		<i>nucleus</i> , <i>Neritina</i> .....	588
		<i>numismalis</i> , <i>Pectunculus</i> .....	706
		<i>nummulitifera</i> , <i>Xenophora</i> .....	635
		<i>nymphalis</i> , <i>Soletellina</i> .....	775
		<i>nystii</i> , <i>Arca</i> .....	704
		<i>nystii</i> , <i>Cardium</i> .....	737
		<i>nystii</i> , <i>Corbulomya</i> .....	791
		<i>nystii</i> , <i>Crassatella</i> .....	729
		<i>nystii</i> , <i>Siliqua</i> .....	794
N			
<i>nana</i> , <i>Acasta</i> .....	810		
<i>nana</i> , <i>Cancellaria</i> .....	639		
<i>nana</i> , <i>Lucina</i> .....	723		
<i>nana</i> , <i>Pleurotoma</i> .....	658, 665		
<i>nana</i> , <i>Terebra</i> .....	662		
<i>nanum</i> , <i>Odostomia</i> .....	677		
<i>nanus</i> , <i>Pectunculus</i> .....	708		
<i>naticoides</i> , <i>Phasianella</i> .....	584		
<i>nautiloides</i> , <i>Cirrhoceratites</i> .....	804		
<i>neglecta</i> , <i>Auricula</i> .....	683		
<i>neglecta</i> , <i>Fissurella</i> .....	581		
<i>neglecta</i> , <i>Psammobia</i> .....	773		
<i>neglecta</i> , <i>Voluta</i> .....	637		
<i>neglectum</i> , <i>Cerithium</i> .....	598		
<i>neglectus</i> , <i>Fusus</i> .....	641		
<i>neozelandicum</i> , <i>Cardium</i> .....	737		
<i>Nerinea</i> .....	666, 667, 865		
<i>neritifformis</i> , <i>Melanopsis</i> .....	602		
<i>neritifformis</i> , <i>Natica</i> .....	615		
<i>neritoides</i> , <i>Pileola</i> .....	588		
<i>nicobarica</i> , <i>Helix</i> .....	694		
<i>nifal</i> , <i>Fusus</i> .....	654		
<i>nilssoni</i> , <i>Pecten</i> .....	715		
<i>nilssoni</i> , <i>Pleurotoma</i> .....	665		
<i>nilssoni</i> , <i>Spondylus</i> .....	717		
<i>nitens</i> , <i>Bithinia</i> .....	624		
<i>nitens</i> , <i>Cyrena</i> .....	748		
<i>nitens</i> , <i>Lacuna</i> .....	623		
<i>nitens</i> , <i>Psammobia</i> .....	773		
<i>nitens</i> , <i>Sportella</i> .....	742		
<i>nitens</i> , <i>Tellina</i> .....	766		
<i>nitida</i> , <i>Adeorbis</i> .....	626		



APPENDIX 3. — Continuation.

<i>nystii</i> , <i>Tellina</i> .....	766	<i>obscura</i> , <i>Corbicula</i> .....	746
<i>nystii</i> , <i>Terebratula</i> .....	810	<i>obscura</i> , <i>Donax</i> .....	770
		<i>obscura</i> , <i>Helix</i> .....	693
		<i>obscurata</i> , <i>Paludina</i> .....	591
		<i>obscurata</i> , <i>Soletellina</i> .....	775
		<i>obscurata</i> , <i>Tapes</i> .....	784
		<i>obscurum</i> , <i>Cerithium</i> .....	605
		<i>obscurus</i> , <i>Trochus</i> .....	582
		<i>obsoleta</i> , <i>Corbicula</i> .....	746
		<i>obsoleta</i> , <i>Cytherea</i> .....	784
		<i>obsoleta</i> , <i>Erycina</i> .....	754
		<i>obsoleta</i> , <i>Scalaria</i> .....	611
		<i>obsoleta</i> , <i>Terebra</i> .....	662
		<i>obtusa</i> , <i>Ampullaria</i> .....	590
		<i>obtusa</i> , <i>Cancellaria</i> .....	639
		<i>obtusa</i> , <i>Melanopsis</i> .....	600
		<i>obtusa</i> , <i>Syndosmya</i> .....	776
		<i>obtusalis</i> , <i>Donax</i> .....	773
		<i>obtusalis</i> , <i>Tellina</i> .....	766
		<i>obtusissima</i> , <i>Limnaea</i> .....	679
		<i>obtusum</i> , <i>Buccinum</i> .....	651
		<i>obtusus</i> , <i>Fusus</i> .....	645
		<i>obvelatum</i> , <i>Buccinum</i> .....	645
		<i>occidens</i> , <i>Corbicula</i> .....	746
		<i>occidentalis</i> , <i>Solemya</i> .....	698
		<i>occulta</i> , <i>Natica</i> .....	615
		<i>ocellata</i> , <i>Diphyllidia</i> .....	671
		<i>oenostoma</i> , <i>Helix</i> .....	695
		<i>oleacea</i> , <i>Achatina</i> .....	691
		<i>olivieri</i> , <i>Ampullaria</i> .....	590
		<i>Omalaxis</i> .....	607-609
		<i>omaliusi</i> , <i>Lucina</i> .....	723
		<i>onerata</i> , <i>Cardita</i> .....	727
		<i>onerata</i> , <i>Nassa</i> .....	646
		<i>ongaricus</i> , <i>Pileopsis</i> .....	610
		<i>opalina</i> , <i>Scintilla</i> .....	751
		<i>opercularis</i> , <i>Pileopsis</i> .....	612
		<i>operosus</i> , <i>Pecten</i> .....	715
		<i>opima</i> , <i>Limnaea</i> .....	679
		<i>opinata</i> , <i>Melania</i> .....	598
		<i>Opis</i> .....	730, 731, 825, 831, 842, 856-858, 865
		<i>opposita</i> , <i>Biloculina</i> .....	807
		<i>opposita</i> , <i>Mactra</i> .....	759
		<i>optatus</i> , <i>Pecten</i> .....	715
		<i>Orbicularia</i> .....	794
		<i>orbicularis</i> , <i>Erycina</i> .....	754
		<i>orbicularis</i> , <i>Lucina</i> .....	723
		<i>orbicularis</i> , <i>Psammobia</i> .....	794
		<i>orbignyana</i> , <i>Paludina</i> .....	591
		<i>oriens</i> , <i>Psammobia</i> .....	773
		<i>ornata</i> , <i>Arca</i> ( <i>Barbatia</i> ) .....	703, 704
		<i>ornata</i> , <i>Cancellaria</i> .....	639
		<i>ornata</i> , <i>Cardita</i> .....	727
		<i>ornata</i> , <i>Dolabella</i> .....	674

O

<i>obducta</i> , <i>Cypricardia</i> .....	733
<i>obesa</i> , <i>Cypraea</i> .....	630
<i>obesa</i> , <i>Mactra</i> .....	759
<i>obesa</i> , <i>Tellina</i> .....	766
<i>obesa</i> , <i>Venerupis</i> .....	784
<i>obesula</i> , <i>Ancillaria</i> .....	651
<i>obesula</i> , <i>Borsonia</i> .....	654
<i>obesula</i> , <i>Donax</i> .....	771
<i>obesula</i> , <i>Turbonilla</i> .....	677
<i>obesulum</i> , <i>Odostomia</i> .....	677
<i>obesum</i> , <i>Cerithium</i> .....	597
<i>obliqua</i> , <i>Astarte</i> .....	731
<i>obliqua</i> , <i>Cyrena</i> .....	746
<i>obliqua</i> , <i>Cytherea</i> .....	784
<i>obliqua</i> , <i>Ichthyosarcolithes</i> .....	732
<i>obliqua</i> , <i>Pleurotoma</i> .....	657
<i>obliquaria</i> , <i>Arca</i> .....	703, 704
<i>obliquaria</i> , <i>Tellina</i> .....	766
<i>obliquata</i> , <i>Corbula</i> .....	791
<i>obliquata</i> , <i>Drillia</i> ( <i>Drillia</i> ) .....	657
<i>obliquata</i> , <i>Helix</i> .....	695
<i>obliquata</i> , <i>Mitra</i> .....	637
<i>obliquata</i> , <i>Natica</i> .....	615
<i>obliquata</i> , <i>Paludina</i> .....	591
<i>obliquata</i> , <i>Pinna</i> .....	710
<i>obliquata</i> , <i>Turbonilla</i> .....	677
<i>obliquatum</i> , <i>Cerithium</i> .....	605
<i>obliquatus</i> , <i>Fusus</i> .....	643
<i>obliquatus</i> , <i>Triforis</i> .....	617
<i>oblita</i> , <i>Turbonilla</i> .....	677
<i>obliterata</i> , <i>Anomia</i> .....	714
<i>obliterata</i> , <i>Pleurotoma</i> .....	665
<i>obliteratus</i> , <i>Pectunculus</i> .....	706
<i>oblonga</i> , <i>Auricula</i> .....	683
<i>oblonga</i> , <i>Caecella</i> .....	761
<i>oblonga</i> , <i>Circe</i> .....	784
<i>oblonga</i> , <i>Corbula</i> .....	791
<i>oblonga</i> , <i>Cypricardia</i> .....	733
<i>oblonga</i> , <i>Cyrena</i> .....	746
<i>oblonga</i> , <i>Cyrenella</i> .....	778
<i>oblonga</i> , <i>Psammobia</i> .....	773
<i>oblonga</i> , <i>Psammotella</i> .....	775
<i>oblonga</i> , <i>Venerupis</i> .....	784
<i>oblongata</i> , <i>Astarte</i> .....	731
<i>oblongus</i> , <i>Turbo</i> .....	586
<i>obovalis</i> , <i>Chione</i> .....	784
<i>obscura</i> , <i>Amphidesma</i> .....	776

## APPENDIX 3. — Continuation.

<i>ornata, Emarginula</i> .....	581	<i>pannus, Ficula</i> .....	631
<i>ornata, Helix</i> .....	692, 693	<i>papale, Cerithium</i> .....	605
<i>ornata, Melanopsis (Pirena)</i> .....	601	<i>papyracea, Chama</i> .....	740
<i>ornata, Perna</i> .....	708	<i>papyracea, Erycina</i> .....	754
<i>ornata, Psammobia</i> .....	773	<i>papyracea, Modiola</i> .....	700
<i>ornata, Tellina</i> .....	767	<i>papyracea, Psammobia</i> .....	774
<i>ornatissimum, Cerithium</i> .....	594	<i>papyraceus, Solen</i> .....	795
<i>ornatus, Pecten</i> .....	715	<i>paradoxa, Poromya</i> .....	742
<i>ornatus, Serpuloorbis</i> .....	620	<i>parasitica, Modiola</i> .....	700
<i>ornatus, Strombus</i> .....	632	<i>parasiticum, Pisum</i> .....	763
<i>ornatus, Triphoris</i> .....	617	<i>parasiticus, Anthozoanthus</i> .....	808
<i>Orthocera</i> .....	804, 865	<i>parasiticus, Hipponix</i> .....	612
<i>Orthostoma</i> .....	666, 669	<i>paratum, Cerithium</i> .....	592, 598, 599
<i>osilin, Monodonta</i> .....	582	<i>parcostata, Siphonaria</i> .....	675
<i>Osteodesma</i> .....	798, 799, 829	<i>pardalina, Helix</i> .....	685
<i>Osteodesmatidae</i> .....	799	<i>parile, Cardium (Protocardia)</i> .....	737
<i>ovalina, Corbicula</i> .....	746	<i>parilis, Tellina</i> .....	767
<i>ovalina, Cyrena</i> .....	746	<i>parisiense, Cerithium</i> .....	592
<i>ovalina, Cytherea</i> .....	784	<i>parisiensis, Clavulina</i> .....	808
<i>ovalina, Donax</i> .....	775	<i>parisiensis, Cleodora</i> .....	674
<i>ovalina, Tellina (Arcopagia)</i> .....	767	<i>parisiensis, Conus</i> .....	652
<i>ovalinus, Parmophorus</i> .....	578	<i>parisiensis, Crepidula</i> .....	629
<i>ovalis, Mesodesma</i> .....	762	<i>parisiensis, Cylindrella</i> .....	683
<i>ovalis, Solen</i> .....	767	<i>parisiensis, Cypricardia</i> .....	733
<i>ovata, Amphidesma</i> .....	776	<i>parisiensis, Cytherea</i> .....	785
<i>ovata, Cylindrella</i> .....	685	<i>parisiensis, Donax</i> .....	770
<i>ovata, Nucula</i> .....	697	<i>parisiensis, Eulima</i> .....	628
<i>ovata, Ostrea</i> .....	711	<i>parisiensis, Gadus</i> .....	803
<i>ovatum, Buccinum</i> .....	646	<i>parisiensis, Isocardia</i> .....	740
<i>ovatum, Cardium</i> .....	737	<i>parisiensis, Lutetia</i> .....	755
<i>oviformis, Ampullaria</i> .....	590	<i>parisiensis, Mitra</i> .....	637
<i>oviformis, Cyrena</i> .....	746	<i>parisiensis, Monodonta</i> .....	601
<i>ovularis, Melanopsis</i> .....	600	<i>parisiensis, Nautilus</i> .....	804
<i>ovulina, Scintilla</i> .....	751	<i>parisiensis, Neritopsis</i> .....	588
<i>ovum, Bulimus</i> .....	687	<i>parisiensis, Nucula</i> .....	697
<i>oweni, Scintilla</i> .....	751	<i>parisiensis, Plicatula</i> .....	717
<i>oweni, Teredina</i> .....	793	<i>parisiensis, Rosalina</i> .....	807
		<i>parisiensis, Scintilla</i> .....	751
		<i>parisiensis, Scissurella</i> .....	581
		<i>parisiensis, Solen (Solecurtus)</i> .....	777
		<i>parisiensis, Tapes</i> .....	785
		<i>parisiensis, Terebratula</i> .....	809
		<i>parisiensis, Teredo</i> .....	792, 793
		<i>parisiensis, Tornatella</i> .....	669
		<i>parisiensis, Truncatella</i> .....	625
		<i>parisiensis, Turbinella</i> .....	641
		<i>parisiensis, Verticordia</i> .....	800
		<i>parkinsoni, Melanopsis</i> .....	600
		<i>parkinsoni, Pleurotoma</i> .....	666
		<i>parnensis, Lucina</i> .....	723
		<i>parva, Erycina</i> .....	754
		<i>parva, Turbonilla</i> .....	677
		<i>parvula, Cyrena</i> .....	746
		<i>parvula, Erycina</i> .....	754

## P

<i>paciacensis, Planorbis</i> .....	681
<i>pallida, Columbella</i> .....	642
<i>pallida, Cyrena</i> .....	746
<i>pallida, Psammobia</i> .....	773
<i>pallida, Terebra</i> .....	662
<i>pallidula, Scintilla</i> .....	751
<i>palmata, Trigonina</i> .....	718
<i>palmula, Psammobia</i> .....	774
<i>paludinaeformis, Lacuna</i> .....	602
<i>paludinaeformis, Rissoa</i> .....	622
<i>pandorae, Pecten</i> .....	715
<i>panniculus, Fusus</i> .....	653



APPENDIX 3. — Continuation.

<i>parvula</i> , <i>Limnaea</i> .....	679	<i>pennata</i> , <i>Psammobia</i> .....	774
<i>parvula</i> , <i>Nematura</i> .....	625	<i>pentagruepinus</i> , <i>Bulimus</i> .....	687
<i>parvula</i> , <i>Pupa</i> .....	687	<i>pentastoma</i> , <i>Nerita</i> .....	588
<i>parvula</i> , <i>Thracia</i> .....	799	<i>perdita</i> , <i>Helix</i> .....	694
<i>parvula</i> , <i>Valvata</i> .....	667	<i>peregrina</i> , <i>Limnaea</i> .....	680
<i>parvulum</i> , <i>Cyclostoma</i> .....	590	<i>peregrina</i> , <i>Nucula</i> .....	697
<i>parvum</i> , <i>Cardium</i> .....	699	<i>perelegans</i> , <i>Cerithium</i> .....	619
<i>Passya</i> .....	749, 750	<i>perelegans</i> , <i>Helix</i> .....	685
<i>passyana</i> , <i>Erycina</i> .....	754	<i>perelegans</i> , <i>Trochus</i> .....	579
<i>passyana</i> , <i>Neritina</i> .....	588	<i>perforata</i> , <i>Helix</i> .....	693
<i>passyana</i> , <i>Sphenia</i> .....	789	<i>perforata</i> , <i>Natica</i> .....	615
<i>passyi</i> , <i>Cardium</i> .....	737	<i>perminuta</i> , <i>Bithinia</i> ( <i>Nematura</i> ) .....	625
<i>passyi</i> , <i>Cerithium</i> .....	597	<i>perplaxa</i> , <i>Pleurotoma</i> .....	658
<i>passyi</i> , <i>Triforis</i> .....	619	<i>perplexa</i> , <i>Pleurotoma</i> .....	658
<i>patellatus</i> , <i>Trochus</i> .....	635	<i>perplexa</i> , <i>Scalaria</i> .....	611
<i>patelloides</i> , <i>Pileopsis</i> .....	612	<i>personata</i> , <i>Circe</i> .....	785
<i>patruelinum</i> , <i>Cardium</i> .....	737	<i>peruviana</i> , <i>Calyptrea</i> .....	629
<i>patruelis</i> , <i>Cucullaea</i> .....	705	<i>peruviana</i> , <i>Crepidula</i> .....	629
<i>patula</i> , <i>Crepidula</i> .....	629	<i>peruviana</i> , <i>Cyrena</i> .....	747
<i>patula</i> , <i>Helix</i> .....	685	<i>peruviana</i> , <i>Donax</i> .....	770
<i>patulatum</i> , <i>Solarium</i> .....	668	<i>peruvianus</i> , <i>Fusus</i> .....	643
<i>patulum</i> , <i>Buccinum</i> .....	650	<i>pervium</i> , <i>Cerithium</i> .....	595
<i>patulus</i> , <i>Pileopsis</i> .....	610	<i>peselephantis</i> , <i>Natica</i> .....	615
<i>paucicostata</i> , <i>Adeorbis</i> .....	626	<i>petalina</i> , <i>Psammobia</i> .....	774
<i>paucicostatum</i> , <i>Cardium</i> .....	737	<i>petalina</i> , <i>Tellina</i> .....	767
<i>paucidentata</i> , <i>Arca</i> .....	708	<i>petallina</i> , <i>Donax</i> .....	771
<i>paucidentatus</i> , <i>Pectunculus</i> .....	706	<i>petiti</i> , <i>Achatina</i> .....	691
<i>pauciplicata</i> , <i>Erycina</i> .....	754	<i>petiti</i> , <i>Venerupis</i> .....	785
<i>pauciplicata</i> , <i>Ostrea</i> .....	712	<i>petitii</i> , <i>Saxicava</i> .....	794
<i>paucistriata</i> , <i>Galeomma</i> .....	751	<i>petiveriana</i> , <i>Terebra</i> .....	662
<i>paupercula</i> , <i>Venerupis</i> .....	785	<i>pfeifferi</i> , <i>Pedipes</i> .....	683
<i>pauperculus</i> , <i>Fusus</i> .....	648	<i>pfeifferi</i> , <i>Vitrina</i> .....	689
<i>payraudeauti</i> , <i>Pleurotoma</i> .....	656	<i>phaseolina</i> , <i>Helix</i> .....	696
<i>peasii</i> , <i>Terebra</i> .....	662	<i>phasianella</i> , <i>Dione</i> .....	785
<i>pectiniformis</i> , <i>Modiola</i> .....	700	<i>phasianellus</i> , <i>Turbo</i> .....	582
<i>pectinoides</i> , <i>Lima</i> .....	718	<i>philippiana</i> , <i>Clavagella</i> .....	797
<i>pectinoides</i> , <i>Petunculus</i> .....	706	<i>philippiana</i> , <i>Terebra</i> .....	662
<i>pectinula</i> , <i>Erycina</i> .....	754	<i>philippinense</i> , <i>Cardium</i> .....	740
<i>pedicularis</i> , <i>Cypraea</i> .....	630	<i>philippii</i> , <i>Cardium</i> .....	737
<i>pediculata</i> , <i>Astrea</i> .....	808	<i>philippii</i> , <i>Chama</i> .....	740
<i>pekiensis</i> , <i>Helix</i> .....	695	<i>philippii</i> , <i>Chione</i> .....	785
<i>pellati</i> , <i>Helix</i> .....	690	<i>philippii</i> , <i>Dione</i> .....	785
<i>pellicula</i> , <i>Mactra</i> .....	759	<i>philippii</i> , <i>Isocardia</i> .....	755
<i>pellicula</i> , <i>Scintilla</i> .....	751	<i>philippinarum</i> , <i>Cyrenella</i> .....	778
<i>pellicula</i> , <i>Syndosmya</i> .....	776	<i>philippinarum</i> , <i>Lutraria</i> .....	759
<i>pellicula</i> , <i>Tellina</i> .....	767	<i>philippinensis</i> , <i>Gastrochaena</i> .....	796
<i>pellistigrina</i> , <i>Natica</i> .....	615	<i>philippinensis</i> , <i>Psammotella</i> .....	775
<i>pellucens</i> , <i>Dentalium</i> .....	802	<i>philippinensis</i> , <i>Scintilla</i> .....	751
<i>pellucida</i> , <i>Agathina</i> .....	628	<i>philippii</i> , <i>Natica</i> .....	616
<i>pellucida</i> , <i>Anomia</i> .....	714	<i>physoides</i> , <i>Corbula</i> .....	741
<i>pellucida</i> , <i>Sphenia</i> .....	789	<i>pica</i> , <i>Mitra</i> .....	650
<i>pellucidus</i> , <i>Ficus</i> .....	631	<i>picta</i> , <i>Phasianella</i> .....	584
<i>pellucidus</i> , <i>Sigaretus</i> .....	615	<i>picteti</i> , <i>Cerithium</i> .....	605
<i>penicillatus</i> , <i>Chiton</i> .....	801	<i>picteti</i> , <i>Natica</i> .....	615

## APPENDIX 3. — Continuation.

<i>picteti</i> , <i>Solarium</i> .....	668	<i>plicatulum</i> , <i>Solarium</i> .....	668
<i>pictus</i> , <i>Pecten</i> .....	715	<i>plicatulus</i> , <i>Fusus</i> .....	646
<i>piethei</i> , <i>Modiola</i> .....	701	<i>plicatus</i> , <i>Triforis</i> .....	618
<i>piettei</i> , <i>Cerithium</i> .....	618	<i>plicatus</i> , <i>Turbo</i> .....	621
<i>Pileola</i> .....	588	<i>plombea</i> , <i>Terebratula</i> .....	809
<i>pilosus</i> , <i>Pileopsis</i> .....	612	<i>Pneumodermo</i> .....	674
<i>pilula</i> , <i>Natica</i> .....	615	<i>podolica</i> , <i>Nucula</i> .....	697
<i>Pinnigena</i> .....	710, 866	<i>podolicum</i> , <i>Cardium</i> .....	738, 739
<i>Pirgopolon</i> .....	811	<i>Polidontes</i> .....	691, 866
<i>pisiformis</i> , <i>Cyrenella</i> .....	778	<i>polii</i> , <i>Chiton</i> .....	801
<i>pisolina</i> , <i>Auricula</i> .....	683	<i>polita</i> , <i>Ampullaria</i> .....	590
<i>pisum</i> , <i>Cyrena</i> .....	747	<i>polita</i> , <i>Dosinia</i> .....	785
<i>pixidicula</i> , <i>Corbula</i> .....	791	<i>polita</i> , <i>Galeomma</i> .....	752
<i>placentula</i> , <i>Nummulites</i> .....	807	<i>polita</i> , <i>Melania</i> ( <i>Rissoa</i> ) .....	621
<i>placida</i> , <i>Cyrena</i> .....	747	<i>politus</i> , <i>Sigaretus</i> .....	616
<i>plana</i> , <i>Ostrea</i> .....	712	<i>polonica</i> , <i>Isocardia</i> .....	755
<i>planata</i> , <i>Nucula</i> .....	698	<i>polygona</i> , <i>Pleurotoma</i> .....	657
<i>planaxis</i> , <i>Conus</i> .....	652	<i>polygonoides</i> , <i>Triton</i> .....	634
<i>planicosta</i> , <i>Arca</i> .....	704	<i>polygonus</i> , <i>Serpulorbis</i> .....	620
<i>planicosta</i> , <i>Ostrea</i> .....	712	<i>polygyrata</i> , <i>Aciculina</i> .....	677
<i>planicosta</i> , <i>Venerupis</i> .....	785	<i>polygyrata</i> , <i>Terebra</i> .....	662
<i>planicostatum</i> , <i>Cardium</i> .....	738	<i>polygyrata</i> , <i>Turbonilla</i> .....	677
<i>planicostatum</i> , <i>Triton</i> .....	634	<i>polygyratus</i> , <i>Nummulites</i> .....	807
<i>planorbularis</i> , <i>Turbo</i> .....	626	<i>polymorphus</i> , <i>Pectunculus</i> .....	706
<i>planulata</i> , <i>Anomia</i> .....	714	<i>ponderosa</i> , .....	593, 740
<i>planulata</i> , <i>Cyrena</i> .....	747	<i>ponderosa</i> , <i>Ampullaria</i> .....	593
<i>planulata</i> , <i>Lucina</i> .....	723	<i>ponticum</i> , <i>Cardium</i> .....	738
<i>planulatus</i> , <i>Planorbis</i> .....	681	<i>porcina</i> , <i>Corbula</i> .....	791
<i>planum</i> , <i>Cardium</i> .....	738	<i>porrectus</i> , <i>Serpulorbis</i> .....	620
<i>plicaria</i> , <i>Pleurotoma</i> .....	665	<i>portlocki</i> , <i>Arca</i> .....	704
<i>plicata</i> , <i>Bulla</i> .....	671	<i>porulosa</i> , <i>Scintilla</i> .....	752
<i>plicata</i> , <i>Cassis</i> .....	634	<i>Poscellio</i> .....	579
<i>plicata</i> , <i>Sphaerulites</i> .....	731	<i>pouzolzi</i> , <i>Helix</i> .....	693
<i>plicata</i> , <i>Thracia</i> .....	799	<i>praecessa</i> , <i>Melania</i> .....	601
<i>plicatella</i> , <i>Chama</i> .....	741	<i>praecisa</i> , <i>Mesodesma</i> .....	762
<i>plicatella</i> , <i>Nucula</i> .....	697	<i>praelonga</i> , <i>Isocardia</i> .....	755
<i>plicatella</i> , <i>Ostrea</i> .....	712	<i>praelonga</i> , <i>Lacuna</i> .....	624, 675
<i>plicatella</i> , <i>Terebra</i> .....	662	<i>praelonga</i> , <i>Natica</i> .....	616
<i>plicatella</i> , <i>Turritella</i> .....	609	<i>praelonga</i> , <i>Stolidoma</i> .....	683
<i>plicatella</i> , <i>Voluta</i> .....	637	<i>praelonga</i> , <i>Terebra</i> .....	663
<i>plicatilis</i> , <i>Cardita</i> .....	727	<i>praelonga</i> , <i>Turbonilla</i> .....	678
<i>plicatilis</i> , <i>Crassatella</i> .....	729	<i>praelongum</i> , <i>Cerithium</i> .....	618
<i>plicatilis</i> , <i>Gastrochaena</i> .....	796	<i>praestans</i> , <i>Auricula</i> .....	683
<i>plicatilis</i> , <i>Helix</i> .....	693	<i>praestans</i> , <i>Psammobia</i> .....	774
<i>plicatilis</i> , <i>Littorina</i> .....	584	<i>Prasina</i> .....	674, 840
<i>plicatilis</i> , <i>Mactra</i> .....	759	<i>prestwichii</i> , <i>Helix</i> .....	696
<i>plicatilis</i> , <i>Murex</i> .....	648	<i>prestwichii</i> , <i>Pecten</i> .....	716
<i>plicatilis</i> , <i>Pleurotoma</i> .....	665	<i>prestwichii</i> , <i>Thracia</i> .....	799
<i>plicatilis</i> , <i>Rissoina</i> .....	621	<i>pretiosa</i> , <i>Arca</i> .....	704
<i>plicatilis</i> , <i>Turbo</i> .....	586	<i>pretiosa</i> , <i>Cassidaria</i> .....	634
<i>plicatula</i> , <i>Melania</i> .....	600	<i>pretiosa</i> , <i>Lima</i> .....	718
<i>plicatula</i> , <i>Turbonilla</i> .....	677	<i>pretiosa</i> , <i>Tellina</i> .....	767
<i>plicatulum</i> , <i>Cerithium</i> .....	597	<i>prevosti</i> , <i>Belemnites</i> .....	804
<i>plicatulum</i> , <i>Odostomia</i> .....	677	<i>prevosti</i> , <i>Cardita</i> .....	727



APPENDIX 3. — Continuation.

<i>prevosti, Cerithium</i> .....	598	<i>psammobialis, Iphigenia</i> .....	770
<i>prevosti, Cultellus</i> .....	795	<i>psammocola, Cyrena</i> .....	747
<i>prevosti, Lucina</i> .....	723	<i>Psammotella</i> .....	775, 827, 852
<i>prevosti, Pecten</i> .....	716	<i>psammotella, Glauconome</i> .....	749
<i>prevosti, Pholadomya</i> .....	794	<i>Psathura</i> .....	779
<i>prevosti, Pleurotoma</i> .....	656	<i>pseudamusium, Pecten</i> .....	716
<i>Priamus</i> .....	636	<i>pseudocardium, Cardium</i> .....	738
<i>primaeva, Anomia</i> .....	714	<i>pseudoedulis, Ostrea</i> .....	712
<i>primaeva, Pandora</i> .....	798	<i>pseudomarmoreus, Conus</i> .....	653
<i>primaevum, Odostomia</i> .....	678	<i>pseudomya, Mya</i> .....	790
<i>primigenia, Physa</i> .....	680	<i>pseudosexagonum, Dentalium</i> .....	802
<i>primula, Scalaria</i> .....	611	<i>psittacina, Helix</i> .....	695
<i>princeps, Trochus (Zizyphinus)</i> .....	583	<i>Pterostoma</i> .....	599, 600
<i>prisca, Cypraea</i> .....	630	<i>pudica, Scintilla</i> .....	752
<i>prisca, Etallonia</i> .....	651	<i>puella, Psammobia</i> .....	774
<i>prisca, Leda</i> .....	698	<i>pulchella, Bulla (Utriculus)</i> .....	672
<i>prisca, Littorina</i> .....	613	<i>pulchella, Lacuna</i> .....	613
<i>prisca, Mitra</i> .....	650	<i>pulchella, Ostrea</i> .....	712
<i>prisca, Tornatella</i> .....	669	<i>pulchella, Terebra</i> .....	663
<i>priscum, Teinostoma</i> .....	626	<i>pulchellum, Aspergillum</i> .....	798
<i>pristis, Buccinum</i> .....	646	<i>pulchellus, Turbo</i> .....	586
<i>proavia, Paludina</i> .....	591	<i>pulcherrima, Delphinula</i> .....	583
<i>proavus, Cerithium</i> .....	605	<i>pulcherrima, Psammobia</i> .....	774
<i>problematica, Ampullaria</i> .....	669	<i>pulcherrima, Turbinella</i> .....	644
<i>problematicus, Limax</i> .....	690	<i>pulcherrima, Venerupis</i> .....	785
<i>problematicus, Sigaretus</i> .....	627	<i>pulcherrima, Venus</i> .....	785
<i>problematicus, Sphaerulites</i> .....	732	<i>pulcherrimum, Cerithium</i> .....	619
<i>proboscidea, Melanopsis</i> .....	601	<i>pulchra, Bithinia</i> .....	623
<i>procera, Tornatella</i> .....	669	<i>pulchra, Cardita</i> .....	728
<i>producta, Batissa</i> .....	747	<i>pulchra, Circe</i> .....	785
<i>producta, Natica</i> .....	593	<i>pulchra, Cypricardia</i> .....	733
<i>productum, Cardium</i> .....	738	<i>pulchra, Mesostoma</i> .....	610
<i>profunda, Arca</i> .....	704	<i>pulchra, Pleurotoma</i> .....	666
<i>profunda, Cardita</i> .....	727	<i>pulchra, Turbonilla</i> .....	678
<i>profunda, Cyprina</i> .....	732	<i>pulchrum, Aspergillum</i> .....	798
<i>profunda, Diplodonta</i> .....	779	<i>pulchrum, Cardium</i> .....	738
<i>profunda, Lucina</i> .....	779	<i>pullus, Corbulomya</i> .....	791
<i>profunda, Modiola</i> .....	701	<i>pulvis, Bithinia (Nematúra)</i> .....	625
<i>profunda, Ostrea</i> .....	712	<i>punctata, Ostrea</i> .....	713
<i>profunda, Patella</i> .....	577	<i>punctatissima, Diplodonta</i> .....	779
<i>profunda, Woodia</i> .....	730	<i>puncticulata, Globigerina</i> .....	806
<i>prona, Lucina</i> .....	723	<i>puncticulata, Rissoina</i> .....	621
<i>propinqua, Adeorbis</i> .....	626	<i>puncticulata, Terebra</i> .....	663, 810
<i>propinqua, Cardita</i> .....	727	<i>puncticulata, Terebratula</i> .....	810
<i>propinqua, Pleurotoma</i> .....	665	<i>punctifera, Arca</i> .....	704
<i>propinqua, Scalaria</i> .....	611	<i>punctulata, Chama</i> .....	740
<i>propinquum, Cerithium</i> .....	599	<i>punctura, Natica</i> .....	616
<i>provigny, Fistulana</i> .....	796	<i>punicea, Tapes</i> .....	785
<i>proxima, Cytherea</i> .....	785	<i>pupaeformis, Triphoris</i> .....	618
<i>proxima, Lucina</i> .....	723	<i>pupina, Bithinia</i> .....	623
<i>proxima, Pholas (Martesia)</i> .....	792	<i>pupina, Cerithium</i> .....	618
<i>proxima, Sportella</i> .....	742	<i>pupina, Gastrochaena</i> .....	796
<i>proximum, Cardium</i> .....	738	<i>pupula, Pupa</i> .....	687
<i>proximus, Solen</i> .....	794	<i>pura, Dione</i> .....	785





APPENDIX 3. — Continuation.

<i>raulini</i> , <i>Syndosmya</i> .....	776	<i>rigaultii</i> , <i>Cyrena</i> .....	747
<i>raulini</i> , <i>Erycina</i> .....	754	<i>rigaultii</i> , <i>Mytilus</i> .....	701
<i>raulini</i> , <i>Gastrochaena</i> .....	796	<i>rimosa</i> , <i>Perna</i> .....	701
<i>ravoisieri</i> , <i>Unio</i> .....	720	<i>ringens</i> , <i>Purpura</i> .....	642
<i>reclusiana</i> , <i>Natica</i> .....	616	<i>Ringicula</i> .....	670, 844
<i>recluziana</i> , <i>Scintilla</i> .....	752	<i>risso</i> , <i>Achatina</i> .....	684
<i>recluzianus</i> , <i>Sigaretus</i> .....	616	<i>rissoides</i> , <i>Littorina</i> .....	614
<i>recluzii</i> , <i>Erycina</i> .....	754	<i>rivoli</i> , <i>Mulleria</i> .....	719
<i>recluzii</i> , <i>Syndosmya</i> .....	776	<i>rivoli</i> , <i>Helix</i> .....	685
<i>recondita</i> , <i>Mactra</i> .....	757	<i>roborata</i> , <i>Cyrena</i> .....	747
<i>recticula</i> , <i>Pleurotoma</i> .....	666	<i>roemeri</i> , <i>Astarte</i> .....	731
<i>recurva</i> , <i>Tellina</i> .....	767	<i>roemeri</i> , <i>Spondylus</i> .....	717
<i>redacta</i> , <i>Bulla</i> ( <i>Volvula</i> ) .....	671	<i>roissy</i> , <i>Buccinum</i> .....	646
<i>reducta</i> , <i>Pileopsis</i> ( <i>Brocchia</i> ) .....	610	<i>roissy</i> , <i>Cerithium</i> .....	605
<i>reeveana</i> , <i>Pleurotoma</i> .....	658	<i>roissy</i> , <i>Venus</i> .....	786
<i>reeveanum</i> , <i>Cardium</i> .....	738	<i>ropan</i> , <i>Mytilus</i> .....	701
<i>reevei</i> , <i>Lucina</i> .....	724	<i>rosacea</i> , <i>Capsa</i> ( <i>Capsella</i> ) .....	774
<i>reevei</i> , <i>Mactra</i> .....	759	<i>rosacea</i> , <i>Ostrea</i> .....	712
<i>reevei</i> , <i>Pupa</i> .....	687	<i>rosaceus</i> , <i>Pecten</i> .....	716
<i>reevei</i> , <i>Scintilla</i> .....	752	<i>rosea</i> , <i>Rissoa</i> .....	678
<i>reevei</i> , <i>Terebra</i> .....	663	<i>rosea</i> , <i>Scintilla</i> .....	752
<i>reevei</i> , <i>Triphoris</i> .....	618	<i>rosthorni</i> , <i>Corbula</i> .....	791
<i>regenfusii</i> , <i>Turbo</i> .....	586	<i>rostralina</i> , <i>Ovula</i> .....	630
<i>regina</i> , <i>Terebra</i> .....	663	<i>rostralina</i> , <i>Tellina</i> .....	767
<i>regleyana</i> , <i>Delphinula</i> .....	583	<i>rostralis</i> , <i>Crassatella</i> .....	729
<i>regulare</i> , <i>Cerithium</i> .....	606	<i>rostralis</i> , <i>Glauconome</i> .....	749
<i>regularis</i> , <i>Chione</i> .....	785	<i>rostralis</i> , <i>Mactra</i> .....	759
<i>regularis</i> , <i>Ostrea</i> .....	712	<i>rostralis</i> , <i>Myadora</i> .....	798
<i>regularis</i> , <i>Turritella</i> ( <i>Mesalia</i> ) .....	609	<i>rostrata</i> , <i>Bullaea</i> .....	673
<i>remensis</i> , <i>Panopaea</i> .....	794	<i>rostrata</i> , <i>Crassatella</i> .....	729
<i>renouxii</i> , <i>Micraster</i> .....	809	<i>rostratus</i> , <i>Holaster</i> .....	809
<i>repanda</i> , <i>Natica</i> .....	616	<i>rostriformis</i> , <i>Mytilus</i> .....	749
<i>requienii</i> , <i>Lucina</i> .....	724	<i>rota</i> , <i>Adeorbis</i> .....	626
<i>resecta</i> , <i>Tellina</i> .....	767	<i>rotatorius</i> , <i>Turbo</i> .....	626
<i>resectum</i> , <i>Cerithium</i> .....	600	<i>rotellaeformis</i> , <i>Teinostoma</i> .....	626
<i>resupinata</i> , <i>Ostrea</i> .....	712	<i>rothomagensis</i> , <i>Nucula</i> .....	697
<i>reticulosum</i> , <i>Triton</i> .....	634	<i>rotularius</i> , <i>Nummulites</i> .....	807
<i>retroversa</i> , <i>Chione</i> .....	786	<i>rotunda</i> , <i>Erycina</i> .....	754
<i>retusa</i> , <i>Cassidaria</i> .....	634	<i>rotunda</i> , <i>Helix</i> .....	685
<i>retusa</i> , <i>Mesodesma</i> .....	762	<i>rotundata</i> , <i>Lucina</i> .....	779
<i>retusa</i> , <i>Pholadomya</i> .....	798	<i>rotundata</i> , <i>Poromya</i> .....	742
<i>retzii</i> , <i>Gastrochoena</i> .....	796	<i>roulandi</i> , <i>Sphaerulites</i> .....	732
<i>reussii</i> , <i>Astarte</i> .....	731	<i>roulini</i> , <i>Holaster</i> .....	809
<i>revelata</i> , <i>Arca</i> .....	705	<i>roysii</i> , <i>Lutraria</i> .....	757
<i>revelata</i> , <i>Haliotis</i> .....	581	<i>rubella</i> , <i>Tellina</i> .....	767
<i>reynaudi</i> , <i>Patella</i> .....	578	<i>rubescens</i> , <i>Dentalium</i> .....	803
<i>rhomboidalis</i> , <i>Fronicularia</i> .....	807	<i>rubescens</i> , <i>Succinea</i> .....	687
<i>rigaulti</i> , <i>Fusus</i> .....	641	<i>rubicunda</i> , <i>Psammobia</i> .....	774
<i>rigaulti</i> , <i>Helix</i> .....	683	<i>rubra</i> , <i>Microtis</i> .....	583
<i>rigaulti</i> , <i>Patella</i> .....	578	<i>rubra</i> , <i>Saxicava</i> .....	793
<i>rigaulti</i> , <i>Turbo</i> .....	586	<i>rubra</i> , <i>Tellina</i> .....	767
<i>rigaultiana</i> , <i>Arca</i> .....	705	<i>rubus</i> , <i>Cerithium</i> .....	597
<i>rigaultiana</i> , <i>Lucina</i> ( <i>Strigilla</i> ) .....	724	<i>ruderata</i> , <i>Chione</i> .....	786
<i>rigaultiana</i> , <i>Voluta</i> .....	637	<i>ruderata</i> , <i>Tellina</i> .....	767

## APPENDIX 3. — Continuation.

<i>rudis</i> , <i>Arca</i> .....	705	<i>savignyi</i> , <i>Octopus</i> .....	805
<i>rudis</i> , <i>Fissurella</i> .....	581	<i>savignyi</i> , <i>Planaxis</i> .....	602
<i>rudis</i> , <i>Murex</i> .....	648	<i>savignyi</i> , <i>Purpura</i> .....	648
<i>rudiuscula</i> , <i>Pleurotoma</i> .....	666	<i>sayi</i> , <i>Melania</i> .....	602
<i>rufa</i> , <i>Capsa</i> ( <i>Capsella</i> ) .....	774	<i>sayi</i> , <i>Tellina</i> ( <i>Angulus</i> ) .....	769
<i>rufa</i> , <i>Cardita</i> .....	728	<i>scabra</i> , <i>Cancellaria</i> .....	639
<i>rufa</i> , <i>Tellina</i> .....	767	<i>scabriuscula</i> , <i>Helix</i> .....	693
<i>rufescens</i> , <i>Dione</i> .....	786	<i>scabriusculum</i> , <i>Triton</i> .....	635
<i>rugatum</i> , <i>Cerithium</i> .....	599	<i>scacchii</i> , <i>Cardium</i> .....	738
<i>rugosa</i> , <i>Astarte</i> .....	731	<i>scalariformis</i> , <i>Ampullaria</i> .....	594
<i>rugosa</i> , <i>Calyptraea</i> .....	629	<i>scalariformis</i> , <i>Melania</i> .....	595
<i>rugosa</i> , <i>Pleurotoma</i> .....	658	<i>scalarina</i> , <i>Aciculina</i> .....	669
<i>rugosa</i> , <i>Venerupis</i> .....	788	<i>scalarina</i> , <i>Canidia</i> .....	646
<i>rugosula</i> , <i>Anomia</i> .....	714	<i>scalarina</i> , <i>Pleurotoma</i> .....	654
<i>rugosula</i> , <i>Sphenia</i> .....	741	<i>scalarina</i> , <i>Turritella</i> .....	609
<i>rugulosa</i> , <i>Anomia</i> .....	714	<i>scalaris</i> , <i>Astarte</i> .....	731
<i>rumphii</i> , <i>Buccinum</i> .....	646	<i>scalaris</i> , <i>Lucina</i> .....	724
<i>rupelli</i> , <i>Helix</i> .....	693	<i>scalaroides</i> , <i>Cerithium</i> .....	605
<i>ruppellii</i> , <i>Gastrochaena</i> .....	796	<i>scalaroides</i> , <i>Turbonilla</i> .....	678
<i>ruppellii</i> , <i>Leptoconchus</i> .....	648	<i>Scalenostoma</i> .....	627
<i>rustica</i> , <i>Cytherea</i> .....	786	<i>scalpellum</i> , <i>Maetra</i> .....	759
<i>rustica</i> , <i>Natica</i> .....	594	<i>scalprum</i> , <i>Helix</i> .....	694
<i>rusticula</i> , <i>Chama</i> .....	740	<i>scapulina</i> , <i>Scapularca</i> .....	705
<i>rusticum</i> , <i>Cerithium</i> .....	599	<i>schrammi</i> , <i>Elysia</i> .....	675
<i>rusticus</i> , <i>Chiton</i> .....	801	<i>schrammii</i> , <i>Aplysia</i> .....	674
		<i>schwartzii</i> , <i>Rissoina</i> .....	622
		<i>scinctilla</i> , <i>Cytherea</i> .....	786
		<i>Scintilla</i> .....	749-752, 755, 818, 855
		<i>scintillans</i> , <i>Scintilla</i> .....	752
		<i>scobinella</i> , <i>Cardium</i> .....	738
		<i>scobinula</i> , <i>Cardium</i> .....	738
		<i>scriptus</i> , <i>Conus</i> .....	652
		<i>scruposum</i> , <i>Cardium</i> .....	738
		<i>scruposum</i> , <i>Cerithium</i> .....	605
		<i>sculpta</i> , <i>Venus</i> .....	786
		<i>sculptata</i> , <i>Arca</i> .....	705
		<i>sculptata</i> , <i>Scalaria</i> .....	611
		<i>sculptatum</i> , <i>Cerithium</i> .....	668
		<i>sculptus</i> , <i>Unio</i> .....	720
		<i>scutata</i> , <i>Pholas</i> .....	792
		<i>scutellaria</i> , <i>Crassatella</i> .....	729
		<i>scutellata</i> , <i>Emarginula</i> .....	581
		<i>scutellum</i> , <i>Siphonaria</i> .....	675
		<i>scutulata</i> , <i>Emarginula</i> .....	581
		<i>secale</i> , <i>Cerithium</i> .....	606
		<i>sectum</i> , <i>Dentalium</i> .....	802
		<i>secunda</i> , <i>Lucina</i> .....	724
		<i>secunda</i> , <i>Venus</i> .....	786
		<i>securiformis</i> , <i>Helix</i> .....	693
		<i>sedgwichi</i> , <i>Cardium</i> .....	738
		<i>segregatus</i> , <i>Fusus</i> .....	644
		<i>sejuncta</i> , <i>Melania</i> ( <i>Chemnitzia</i> ) .....	589
		<i>semen</i> , <i>Corbulomya</i> .....	791
		<i>semialatus</i> , <i>Unio</i> .....	720
<i>sabuletorum</i> , <i>Arca</i> ( <i>Barbatia</i> ) .....	705		
<i>saincenyensis</i> , <i>Cyrena</i> .....	747		
<i>saincenyensis</i> , <i>Cytherea</i> .....	786		
<i>saincenyensis</i> , <i>Diplodonta</i> .....	779		
<i>saincenyensis</i> , <i>Neritina</i> .....	588		
<i>sallaeana</i> , <i>Terebra</i> .....	663		
<i>sandalina</i> , <i>Crepidula</i> .....	629		
<i>sandbergeri</i> , <i>Arca</i> .....	705		
<i>sandbergeri</i> , <i>Bithinia</i> .....	624		
<i>sandbergeri</i> , <i>Cerithium</i> .....	597		
<i>sandbergeri</i> , <i>Helix</i> .....	688		
<i>sandbergeri</i> , <i>Lima</i> .....	718		
<i>sandbergeri</i> , <i>Perna</i> .....	709		
<i>sandbergeri</i> , <i>Pleurotoma</i> .....	665		
<i>sandbergeri</i> , <i>Scalaria</i> .....	611		
<i>sandbergeri</i> , <i>Syndosmya</i> .....	776		
<i>sandbergeri</i> , <i>Turbonilla</i> .....	678		
<i>sandwichensis</i> , <i>Neritina</i> .....	588		
<i>sanguineus</i> , <i>Chiton</i> .....	801		
<i>sanguinolenta</i> , <i>Natica</i> .....	616		
<i>sanguinolenta</i> , <i>Tellina</i> .....	767		
<i>satorius</i> , <i>Trochus</i> .....	582		
<i>saturus</i> , <i>Fusus</i> .....	641		
<i>savignyi</i> , <i>Avicula</i> .....	709		

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APPENDIX 3. — Continuation.

<i>semiaspera</i> , <i>Tellina</i> .....	767	<i>separatista</i> , <i>Delphinula</i> .....	584
<i>semiasperum</i> , <i>Cardium</i> ( <i>Protocardia</i> ) .....	738	<i>separatum</i> , <i>Cerithium</i> .....	598, 599
<i>semiauritus</i> , <i>Pectunculus</i> .....	706	<i>Sepiostera</i> .....	805
<i>semicarinata</i> , <i>Paludina</i> .....	592	<i>serialis</i> , <i>Holectypus</i> .....	809
<i>semiclausa</i> , <i>Natica</i> .....	616	<i>sericea</i> , <i>Mactra</i> .....	759
<i>semicostata</i> , <i>Pholadomya</i> .....	798	<i>serpuloides</i> , <i>Serpulorbis</i> .....	620
<i>semicostatum</i> , <i>Buccinum</i> .....	651	<i>serrata</i> , <i>Bifrontia</i> .....	609
<i>semicostatum</i> , <i>Cerithium</i> .....	597	<i>serrata</i> , <i>Clausilia</i> .....	689
<i>semicostellata</i> , <i>Hippurites</i> .....	732	<i>serrata</i> , <i>Petricola</i> .....	789
<i>semicostellata</i> , <i>Melania</i> ( <i>Chemnitzia</i> ) .....	589	<i>serratis</i> , <i>Magilus</i> .....	649
<i>semicostulata</i> , <i>Pleurotoma</i> .....	656	<i>serratus</i> , <i>Fusus</i> .....	642
<i>semidecussata</i> , <i>Tapes</i> .....	788	<i>serratus</i> , <i>Teredo</i> .....	793
<i>semidentata</i> , <i>Arca</i> .....	705	<i>serriale</i> , <i>Buccinum</i> .....	649
<i>semifusca</i> , <i>Helix</i> .....	690	<i>serrulata</i> , <i>Cardita</i> .....	728
<i>semigranulosa</i> , <i>Melanopsis</i> .....	602	<i>serrulatum</i> , <i>Cardium</i> .....	739
<i>semilaevigata</i> , <i>Modiola</i> .....	701	<i>setosa</i> , <i>Arca</i> .....	705
<i>semilugubris</i> , <i>Nerita</i> .....	588	<i>sicana</i> , <i>Helix</i> .....	693
<i>semilugubris</i> , <i>Turbo</i> .....	579	<i>sicula</i> , <i>Arca</i> .....	705
<i>seminuda</i> , <i>Modiola</i> .....	701	<i>sieboldii</i> , <i>Tellina</i> .....	768
<i>seminuda</i> , <i>Pleurotoma</i> .....	650	<i>sigaretiformis</i> , <i>Turbo</i> .....	579
<i>seminudum</i> , <i>Dentalium</i> .....	802	<i>sigaretina</i> , <i>Lacuna</i> .....	614
<i>seminudus</i> , <i>Fusus</i> .....	653	<i>signata</i> , <i>Erycina</i> .....	754
<i>seminulum</i> , <i>Corbulomya</i> .....	791	<i>silicula</i> , <i>Cypricardia</i> .....	733
<i>seminulum</i> , <i>Lucina</i> .....	724	<i>silicula</i> , <i>Tellina</i> .....	768
<i>semiobliterata</i> , <i>Dosinia</i> .....	786	<i>siliqua</i> , <i>Venerupis</i> .....	786
<i>semiorbiculata</i> , <i>Cardita</i> .....	728	<i>siliquarius</i> , <i>Solen</i> .....	794
<i>semiparita</i> , <i>Helix</i> .....	694	<i>simiae</i> , <i>Natica</i> .....	616
<i>semipatula</i> , <i>Natica</i> .....	594	<i>similis</i> , <i>Adeorbis</i> .....	626
<i>semipedalis</i> , <i>Serpulorbis</i> .....	620	<i>similis</i> , <i>Cyrena</i> .....	747
<i>semiplicatum</i> , <i>Cerithium</i> .....	605	<i>similis</i> , <i>Opis</i> .....	731
<i>semiplicatus</i> , <i>Fusus</i> .....	641	<i>similis</i> , <i>Saxicava</i> .....	793
<i>semistriata</i> , <i>Adeorbis</i> .....	626	<i>similis</i> , <i>Tapes</i> .....	786
<i>semistriata</i> , <i>Bulla</i> .....	673	<i>simplex</i> , <i>Delphinula</i> .....	585
<i>semistriata</i> , <i>Cyrena</i> .....	747	<i>simplex</i> , <i>Fusus</i> .....	644
<i>semistriata</i> , <i>Mactra</i> .....	759	<i>simplex</i> , <i>Modiola</i> .....	701
<i>semistriata</i> , <i>Orthocera</i> .....	804	<i>simplex</i> , <i>Nerinea</i> .....	667
<i>semistriata</i> , <i>Pholas</i> .....	792	<i>simplex</i> , <i>Nucula</i> .....	698
<i>semistriata</i> , <i>Pleurotoma</i> .....	655	<i>simplex</i> , <i>Orthoceras</i> .....	804
<i>semistriata</i> , <i>Tellina</i> .....	767	<i>simplex</i> , <i>Ostrea</i> .....	712
<i>semistriata</i> , <i>Turritella</i> .....	600	<i>simplex</i> , <i>Pleurotoma</i> .....	665
<i>semistriatum</i> , <i>Cardium</i> .....	739	<i>simplex</i> , <i>Teredo</i> .....	793
<i>semistriatum</i> , <i>Dentalium</i> .....	802	<i>simplex</i> , <i>Voluta</i> .....	637
<i>semisulcata</i> , <i>Achatina</i> .....	691	<i>singularis</i> , <i>Cassidaria</i> .....	634
<i>semisulcata</i> , <i>Corbicula</i> .....	747	<i>singularis</i> , <i>Cyrena</i> .....	747
<i>semisulcata</i> , <i>Mactra</i> .....	759	<i>singularis</i> , <i>Pileopsis</i> .....	610
<i>semperi</i> , <i>Cardium</i> .....	739	<i>singularis</i> , <i>Stolidoma</i> .....	683
<i>semperi</i> , <i>Cerithium</i> .....	605	<i>singularis</i> , <i>Triforis</i> .....	618
<i>semperi</i> , <i>Pecten</i> .....	716	<i>sinistra</i> , <i>Diceras</i> .....	731
<i>semperi</i> , <i>Turbo</i> .....	583	<i>sinistrorsum</i> , <i>Cerithium</i> .....	618
<i>sempervivens</i> , <i>Anodonta</i> .....	720	<i>sinistrorsus</i> , <i>Bulimus</i> .....	688
<i>senegalensis</i> , <i>Cyrenella</i> .....	749	<i>sinistrorsus</i> , <i>Fusus</i> .....	641
<i>separata</i> , <i>Cancellaria</i> .....	639	<i>sinistrorsus</i> , <i>Trochus</i> .....	579
<i>separata</i> , <i>Cytherea</i> .....	786	<i>sinuosa</i> , <i>Crassatella</i> .....	729
<i>separata</i> , <i>Natica</i> .....	616	<i>sinuosa</i> , <i>Cyrena</i> .....	747

## APPENDIX 3. — Continuation.

<i>sismondae</i> , <i>Lucina</i> .....	724	<i>spectabile</i> , <i>Cerithium</i> .....	598, 599
<i>smithi</i> , <i>Arca</i> .....	705	<i>spectabilis</i> , <i>Cancellaria</i> .....	639
<i>sodalis</i> , <i>Melanopsis</i> .....	601	<i>spectabilis</i> , <i>Corbula</i> .....	791
<i>solarioides</i> , <i>Delphinula</i> .....	585	<i>spectabilis</i> , <i>Siphonaria</i> .....	675
<i>solarioides</i> , <i>Turbo</i> .....	586	<i>spengleri</i> , <i>Gastrochaena</i> .....	796
<i>soldanii</i> , <i>Perna</i> .....	709	<i>spengleriana</i> , <i>Cancellaria</i> .....	639
<i>solea</i> , <i>Pecten</i> .....	716	<i>speyeri</i> , <i>Fusus</i> .....	644
<i>solenella</i> , <i>Capsa</i> ( <i>Capsella</i> ) .....	774	<i>sphaerica</i> , <i>Ampullaria</i> .....	590
<i>solenella</i> , <i>Tellina</i> .....	768	<i>sphaerica</i> , <i>Natica</i> .....	594
<i>solenoides</i> , <i>Pholadomya</i> .....	799	<i>sphaericula</i> , <i>Chione</i> .....	786
<i>solenoides</i> , <i>Zenatia</i> .....	757	<i>sphaericula</i> , <i>Cyrenella</i> .....	779
<i>solida</i> , <i>Cyrena</i> .....	748	<i>sphaericula</i> , <i>Lucina</i> .....	724
<i>solida</i> , <i>Placuna</i> .....	674	<i>sphaericula</i> , <i>Paludina</i> .....	592
<i>solida</i> , <i>Terebra</i> .....	663	<i>sphaericula</i> , <i>Tornatella</i> .....	670
<i>solida</i> , <i>Turritella</i> ( <i>Mesalia</i> ) .....	609	<i>Sphaeriina</i> .....	762, 841
<i>solida</i> , <i>Venus</i> .....	786	<i>sphaeroidalis</i> , <i>Arca</i> .....	705
<i>solidula</i> , <i>Astarte</i> .....	731	<i>sphaeroides</i> , <i>Nonionina</i> .....	807
<i>solidula</i> , <i>Erycina</i> .....	754	<i>Sphera</i> .....	720
<i>solidula</i> , <i>Lacuna</i> .....	623	<i>spiculum</i> , <i>Turbonilla</i> .....	678
<i>solidula</i> , <i>Scintilla</i> .....	752	<i>spina</i> , <i>Auricula</i> .....	678
<i>sonora</i> , <i>Ostrea</i> .....	712	<i>spinosa</i> , <i>Cassis</i> .....	634
<i>sophia</i> , <i>Cypraea</i> .....	630	<i>spinosa</i> , <i>Emarginula</i> .....	581
<i>soror</i> , <i>Cytherea</i> .....	786	<i>spinosa</i> , <i>Ostrea</i> .....	712
<i>souleyeti</i> , <i>Terebra</i> .....	663	<i>spinosa</i> , <i>Turbinella</i> .....	644
<i>sowerbyana</i> , <i>Terebra</i> .....	663	<i>spinosum</i> , <i>Cerithium</i> .....	594, 602
<i>sowerbyi</i> , <i>Cardita</i> .....	728	<i>spinosus</i> , <i>Spondylus</i> .....	717
<i>sowerbyi</i> , <i>Cerithium</i> .....	599	<i>spinulosa</i> , <i>Acasta</i> .....	810
<i>sowerbyi</i> , <i>Chiton</i> .....	801	<i>spinulosus</i> , <i>Murex</i> .....	649
<i>sowerbyi</i> , <i>Circe</i> .....	786	<i>spirata</i> , <i>Natica</i> .....	594
<i>sowerbyi</i> , <i>Cucullaea</i> .....	706	<i>spirogloxus</i> , <i>Conus</i> .....	653
<i>sowerbyi</i> , <i>Lima</i> .....	718	<i>spirorbis</i> , <i>Helix</i> .....	684
<i>sowerbyi</i> , <i>Rissoa</i> .....	621	<i>spiruloides</i> , <i>Cirrhoceratites</i> .....	804
<i>sowerbyi</i> , <i>Venus</i> .....	786	<i>spiruloides</i> , <i>Delphinula</i> .....	584
<i>sparnacense</i> , <i>Carychium</i> .....	683	<i>spiruloides</i> , <i>Planorbis</i> .....	681
<i>sparnacense</i> , <i>Cyclostoma</i> .....	614	<i>spissa</i> , <i>Venus</i> .....	786
<i>sparnacensis</i> , <i>Bithinia</i> .....	624	<i>spisula</i> , <i>Lucina</i> .....	724
<i>sparnacensis</i> , <i>Helix</i> .....	688	<i>splendens</i> , <i>Terebra</i> .....	663
<i>sparnacensis</i> , <i>Lucina</i> .....	724	<i>splendida</i> , <i>Cytherea</i> .....	786
<i>sparnacensis</i> , <i>Ostrea</i> .....	712	<i>splendida</i> , <i>Galeomma</i> .....	752
<i>sparnacensis</i> , <i>Planorbis</i> .....	681	<i>splendida</i> , <i>Natica</i> .....	594
<i>sparnacensis</i> , <i>Succinea</i> .....	686	<i>splendida</i> , <i>Tellina</i> .....	768
<i>spathula</i> , <i>Psammobia</i> .....	774	<i>splendidus</i> , <i>Bulimus</i> .....	689
<i>spathulata</i> , <i>Arca</i> .....	705	<i>spondyloides</i> , <i>Plicatula</i> .....	717
<i>spathulata</i> , <i>Gastrochaena</i> .....	796	<i>Sportella</i> .....	741, 742, 750, 772
<i>spathulata</i> , <i>Modiola</i> .....	701	<i>spreta</i> , <i>Pleurotoma</i> .....	665
<i>spathulata</i> , <i>Pholas</i> .....	792	<i>squalida</i> , <i>Corbicula</i> .....	747
<i>specialis</i> , <i>Natica</i> .....	616	<i>squalidus</i> , <i>Saxidomus</i> .....	786
<i>specialis</i> , <i>Pleurotoma</i> .....	666	<i>squama</i> , <i>Calyptrea</i> .....	629
<i>speciosa</i> , <i>Cancellaria</i> .....	639	<i>squama</i> , <i>Erycina</i> .....	754
<i>speciosa</i> , <i>Paludina</i> .....	592	<i>squama</i> , <i>Scintilla</i> .....	752
<i>speciosa</i> , <i>Pyramidella</i> .....	678	<i>squamata</i> , <i>Chama</i> .....	740
<i>speciosa</i> , <i>Tellina</i> .....	768	<i>squamatina</i> , <i>Cardita</i> .....	728
<i>speciosa</i> , <i>Terebra</i> .....	663	<i>squamifera</i> , <i>Tellina</i> .....	768
<i>speciosus</i> , <i>Fusus</i> .....	644	<i>squamigera</i> , <i>Purpura</i> .....	649



APPENDIX 3. — Continuation.

<i>squamigera, Venericardia</i> .....	728	<i>striatula, Ampullaria</i> .....	594
<i>squammulosa, Tellina</i> .....	769	<i>striatula, Astarte</i> .....	731
<i>squamosa, Avicula</i> .....	709	<i>striatula, Cytherea</i> .....	787
<i>squamosa, Fissurella</i> .....	581	<i>striatula, Paludina</i> .....	589
<i>squamosa, Purpura</i> .....	649	<i>striatula, Patella</i> .....	612
<i>squamosa, Virgulina</i> .....	806	<i>striatula, Pileopsis</i> .....	612
<i>squamula, Calyptraea</i> .....	629	<i>striatula, Quinqueloculina</i> .....	807
<i>squamula, Lucina</i> .....	724	<i>striatula, Scalaria</i> .....	611
<i>squamula, Plicatula</i> .....	717	<i>striatula, Syndosmya</i> .....	776
<i>squamulosa, Purpura</i> .....	649	<i>striatula, Venerupis</i> .....	787
<i>squamulosum, Cardium</i> .....	739	<i>striatularis, Arca</i> .....	705
<i>squamulosus, Fusus</i> .....	644	<i>striatularis, Pleurotoma</i> .....	666
<i>squamulosus, Pecten</i> .....	716	<i>striatularis, Scalaria (Pyrgiscus)</i> .....	612
<i>stampinensis, Avicula</i> .....	709	<i>striatulata, Cancellaria</i> .....	639
<i>stampinensis, Cytherea</i> .....	786	<i>striatulus, Trochus</i> .....	585
<i>stampinensis, Helix</i> .....	688	<i>striatulus, Turbo</i> .....	582
<i>stampinensis, Limnaea</i> .....	680	<i>striatum, Cerithium</i> .....	597, 599
<i>stampinensis, Psammobia</i> .....	774	<i>strictus, Serpuloorbis</i> .....	620
<i>stellatus, Trochus</i> .....	582	<i>striolaris, Pleurotoma</i> .....	658
<i>stenostoma, Spirolina</i> .....	807	<i>striolatus, Fusus</i> .....	653
<i>Stenostrema</i> .....	696, 867	<i>strombiformis, Voluta</i> .....	637
<i>stephanophora, Helix</i> .....	690	<i>Strophites</i> .....	719
<i>stephanophorum, Cerithium</i> .....	599	<i>Strophostoma</i> .....	590, 868
<i>Stolidoma</i> .....	676, 681-683	<i>subangulata, Littorina</i> .....	614
<i>stoppanii, Natica</i> .....	616	<i>subangulata, Modiola</i> .....	701
<i>stoppanii, Pleurotoma</i> .....	665	<i>subangulata, Pleurotoma</i> .....	655
<i>straminea, Achatina</i> .....	691	<i>subangulata, Terebra</i> .....	663
<i>straminea, Tellina</i> .....	768	<i>subangulata, Thracia</i> .....	799
<i>strangei, Clementia</i> .....	786	<i>subangulatus, Pectunculus</i> .....	706
<i>strangei, Scintilla</i> .....	752	<i>subangulatus, Planorbis</i> .....	681
<i>strangei, Tellina</i> .....	768	<i>subarcuata, Ostrea</i> .....	712
<i>strangulata, Cleodora</i> .....	674	<i>subcanaliculatum, Cerithium</i> .....	599
<i>strangulatum, Dentalium</i> .....	811	<i>subcanaliculatus, Trochus (Tectus)</i> .....	585
<i>striarella, Corbula</i> .....	791	<i>subcarinata, Melanopsis</i> .....	601
<i>striata, Bullaea</i> .....	673	<i>subcarinatum, Cardium</i> .....	739
<i>striata, Lima</i> .....	718	<i>subcarinatus, Mytilus</i> .....	749
<i>striata, Psammobia</i> .....	774	<i>subcircularis, Lucina</i> .....	724
<i>striata, Strophostoma</i> .....	590	<i>subdecussata, Pleurotoma</i> .....	655
<i>striata, Terebratula</i> .....	810	<i>subdecussata, Venerupis</i> .....	787
<i>striatella, Corbicula</i> .....	747	<i>subdentatum, Cardium</i> .....	739
<i>striatella, Donax</i> .....	770	<i>subechinata, Helix</i> .....	693
<i>striatella, Lucina</i> .....	724	<i>subemarginata, Achatina</i> .....	684
<i>striatina, Corbula</i> .....	791	<i>subemarginata, Eulima</i> .....	628
<i>striatina, Crenella</i> .....	701	<i>suberycinoides, Cytherea</i> .....	782, 787
<i>striatina, Cytherea</i> .....	787	<i>sublaevigata, Crassatella bronniei</i> .....	729
<i>striatina, Diplodonta</i> .....	779	<i>sublaevigata, Rostellaria</i> .....	632
<i>striatina, Scintilla</i> .....	752	<i>sublamellosa, Fissurella</i> .....	581
<i>striatina, Tornatella</i> .....	670	<i>sublamellosus, Fusus</i> .....	649
<i>striatissima, Cytherea</i> .....	787	<i>sublamellosus, Hipponyx</i> .....	613
<i>striatissima, Erycina</i> .....	754	<i>sublobata, Cyrena</i> .....	747
<i>striatissima, Helix</i> .....	694	<i>sublobata, Lucina</i> .....	724
<i>striatissima, Lacuna</i> .....	623	<i>sublobata, Ostrea</i> .....	714
<i>striatissima, Tellina</i> .....	768	<i>submarginata, Turbonilla</i> .....	678
<i>striatissimum, Teinostoma</i> .....	626	<i>submissa, Helix</i> .....	695



APPENDIX 3. — Continuation.

<i>tenuilamella</i> , <i>Scalaria</i> .....	612	<i>theodosia</i> , <i>Aptychus</i> .....	803
<i>tenuiplica</i> , <i>Melania</i> .....	678	<i>thiarella</i> , <i>Cerithium</i> .....	605
<i>tenuiplicata</i> , <i>Ostrea</i> .....	713	<i>thibetanus</i> , <i>Planorbis</i> .....	681
<i>tenuiplicata</i> , <i>Terebratula</i> .....	809	<i>thibetiana</i> , <i>Clausilia</i> .....	689
<i>tenuis</i> , <i>Caecella</i> .....	761	<i>thibetica</i> , <i>Helix</i> .....	695
<i>tenuis</i> , <i>Capsa</i> ( <i>Capsella</i> ) .....	774	<i>Thorinia</i> .....	667, 668
<i>tenuis</i> , <i>Cypricardia</i> .....	733	<i>tiara</i> , <i>Buccinum</i> .....	651
<i>tenuis</i> , <i>Fusus</i> .....	653	<i>tiarella</i> , <i>Cerithium</i> .....	605
<i>tenuis</i> , <i>Lima</i> .....	718	<i>tiarella</i> , <i>Terebra</i> .....	663
<i>tenuis</i> , <i>Lucina</i> .....	724	<i>ticaonica</i> , <i>Tellina</i> .....	768
<i>tenuis</i> , <i>Mytilus</i> .....	701	<i>timida</i> , <i>Scalaria</i> .....	628
<i>tenuis</i> , <i>Pectunculus</i> .....	706	<i>timoriensis</i> , <i>Scintilla</i> .....	752
<i>tenuis</i> , <i>Psammobia</i> .....	774	<i>togata</i> , <i>Psammobia</i> .....	775
<i>tenuis</i> , <i>Scintilla</i> .....	752	<i>tombecki</i> , <i>Limnaea</i> .....	680
<i>tenuis</i> , <i>Venus</i> .....	787	<i>Tomostoma</i> .....	586-588
<i>tenuistriata</i> , <i>Crassatella</i> .....	730	<i>toreuma</i> , <i>Fusus</i> .....	644
<i>tenuistriata</i> , <i>Erycina</i> .....	768	<i>torquata</i> , <i>Pleurotoma</i> .....	666
<i>tenuistriata</i> , <i>Ostrea</i> .....	713	<i>tortilis</i> , <i>Odostomia</i> .....	678
<i>tenuistriata</i> , <i>Tellina</i> .....	768	<i>tortilis</i> , <i>Ovula</i> .....	631
<i>tenuistriata</i> , <i>Adeorbis</i> .....	626	<i>torulosa</i> , <i>Voluta</i> .....	637
<i>tenuistriata</i> , <i>Anomia</i> .....	714	<i>tournoueri</i> , <i>Paeduleacina</i> .....	691
<i>tenuistriata</i> , <i>Crassatella</i> .....	730	<i>traillii</i> , <i>Terebra</i> .....	663
<i>tenuistriata</i> , <i>Orthocera</i> .....	804	<i>tranquilla</i> , <i>Cytherea</i> .....	787
<i>tenuistriata</i> , <i>Phasianella</i> .....	584	<i>transitoria</i> , <i>Pleurotoma</i> .....	666
<i>tenuistriata</i> , <i>Pleurotoma</i> .....	666	<i>translucidum</i> , <i>Dentalium</i> .....	802
<i>tenuistriata</i> , <i>Tellina</i> .....	768	<i>transpostium</i> , <i>Cardium</i> .....	739
<i>tenuistriata</i> , <i>Turbinolia</i> .....	808	<i>transversa</i> , <i>Avicula</i> .....	710
<i>tenuistriatum</i> , <i>Cerithium</i> .....	597	<i>transversa</i> , <i>Mactra</i> .....	760
<i>terebralis</i> , <i>Fusus</i> .....	644	<i>transversa</i> , <i>Mesodesma</i> .....	762
<i>terebratularis</i> , <i>Pectunculus</i> .....	707	<i>transversa</i> , <i>Tellina</i> .....	769
<i>terminalis</i> , <i>Cardita</i> .....	731	<i>transversale</i> , <i>Cardium</i> .....	739
<i>terminalis</i> , <i>Erycina</i> .....	788	<i>transversalis</i> , <i>Caecella</i> .....	761
<i>terminalis</i> , <i>Goodallia</i> .....	731	<i>transversaria</i> , <i>Circe</i> .....	787
<i>terminalis</i> , <i>Nucula</i> .....	697	<i>transversaria</i> , <i>Rissoina</i> .....	622
<i>terminalis</i> , <i>Parmophorus</i> .....	578	<i>transversaria</i> , <i>Scalaria</i> ( <i>Pyrgiscus</i> ) .....	612
<i>terquemi</i> , <i>Cardita</i> .....	728	<i>transversus</i> , <i>Donax</i> .....	770
<i>terquemi</i> , <i>Chiton</i> .....	801	<i>trapezia</i> , <i>Arca</i> .....	705
<i>terquemi</i> , <i>Sphenia</i> .....	790	<i>triangularis</i> , <i>Corbicula</i> .....	748
<i>terquemi</i> , <i>Trochotoma</i> .....	581	<i>triangulatus</i> , <i>Turbo</i> .....	586
<i>tessellata</i> , <i>Helix</i> .....	693	<i>triasina</i> , <i>Panopea</i> .....	793
<i>tessellata</i> , <i>Tellina</i> .....	768	<i>tricarinata</i> , <i>Opis</i> .....	731
<i>tessellatum</i> , <i>Solarium</i> .....	668	<i>tricarinata</i> , <i>Triloculina</i> .....	807
<i>tetragona</i> , <i>Cyrena</i> .....	748	<i>tricarinatus</i> , <i>Vermetus</i> .....	621
<i>texta</i> , <i>Venerupis</i> .....	787	<i>tricarinoides</i> , <i>Murex</i> .....	649
<i>textile</i> , <i>Cerithium</i> .....	619	<i>Trichite</i> .....	710, 868
<i>textile</i> , <i>Lepton</i> .....	755	<i>tricinctus</i> , <i>Turbo</i> .....	585
<i>textiliosa</i> , <i>Arca</i> ( <i>Barbatia</i> ) .....	705	<i>tricostalis</i> , <i>Phasianella</i> .....	614
<i>textiliosa</i> , <i>Cassidaria</i> .....	634	<i>tricostata</i> , <i>Pyruca</i> .....	631
<i>textiliosa</i> , <i>Pleurotoma</i> .....	655	<i>tricostatus</i> , <i>Lacunopsis</i> .....	625
<i>textilis</i> , <i>Arca</i> .....	707	<i>tricostatus</i> , <i>Turbo</i> .....	626
<i>textilis</i> , <i>Tellina</i> .....	768	<i>tricuspidatus</i> , <i>Murex</i> .....	649
<i>textrix</i> , <i>Tapes</i> .....	787	<i>Tridachia</i> .....	675
<i>thallavignesi</i> , <i>Crassatella</i> .....	730	<i>trifarum</i> , <i>Cerithium</i> .....	618
<i>theodosia</i> , <i>Ammonites</i> .....	803	<i>trifidum</i> , <i>Cardium</i> .....	739



## APPENDIX 3. — Continuation.

<i>Triforis</i> .....	617-619, 841, 843	<i>tuberculosis, Fusus</i> .....	644
<i>trigeminatum, Cerithium</i> .....	618	<i>tuberosa, Venus</i> .....	787
<i>trigeri, Valvata</i> .....	667	<i>Tubispiracea</i> .....	620
<i>trigona, Arca</i> .....	705	<i>Tubispirata</i> .....	620
<i>trigona, Corbicula</i> .....	748	<i>tubuliferus, Productus</i> .....	810
<i>trigona, Cyrena</i> .....	748	<i>tubulosa, Acasta</i> .....	810
<i>trigona, Mesodesma</i> .....	761	<i>tugon, Mya</i> .....	790
<i>trigoniaeformis, Cardita</i> .....	728	<i>tumens, Helix</i> .....	690
<i>trigonostoma, Teinostoma</i> .....	626	<i>tumens, Soletellina</i> .....	775
<i>trigonula, Cytherea</i> .....	787	<i>tumida, Corbicula</i> .....	748
<i>trigonula, Donax</i> .....	770	<i>tumida, Corbula</i> .....	791
<i>trigonula, Lucina</i> .....	724	<i>tumida, Monocondylea</i> .....	720
<i>trigonularis, Erycina</i> .....	755	<i>tumidula, Donax</i> .....	770
<i>trilirata, Cerithium perelegans</i> .....	619	<i>tumidula, Pupa</i> .....	685
<i>triliratum, Cerithium</i> .....	619	<i>tumidum, Cardium</i> .....	739
<i>triliratus, Triphoris</i> .....	618	<i>tuncata, Doris</i> .....	670
<i>trilocularis, Globigerina</i> .....	806	<i>turbinata, Delphinula</i> .....	584
<i>trinodosum, Cerithium</i> .....	599	<i>turbinata, Helix</i> .....	695
<i>tripartita, Pholas</i> .....	793	<i>turbinata, Natica</i> .....	616
<i>tripartita, Psammobia</i> .....	775	<i>turbinata, Paludina</i> .....	592
<i>tripartitus, Pecten</i> .....	716	<i>turbinatum, Cerithium</i> .....	599
<i>Triphoris</i> .....	617, 618, 868	<i>turbinelloides, Borsonia</i> .....	654
<i>triquetra, Batissa</i> .....	748	<i>turbinoides, Cerithium</i> .....	599
<i>triquetra, Nucula</i> .....	697	<i>turbinoides, Melania (Chemnitzia)</i> .....	589
<i>triradiata, Donax</i> .....	770	<i>turbinoides, Trochus</i> .....	582
<i>tristis, Mactra</i> .....	760	<i>turbinoides, Turritella (Mesalia)</i> .....	609
<i>tristis, Psammobia</i> .....	775	<i>turbinopsis, Cerithium</i> .....	606
<i>tristis, Tellina</i> .....	769	<i>turbinopsis, Conus</i> .....	653
<i>tristis, Terebra</i> .....	664	<i>turbinopsis, Delphinula</i> .....	584
<i>Tristoma</i> .....	597, 868	<i>turbinopsis, Rissoa</i> .....	606
<i>trisulcata, Voluta</i> .....	638	<i>turbo, Rotalia</i> .....	806
<i>triticea, Melania</i> .....	589	<i>turbonilloides, Odostomia</i> .....	678
<i>tritrorquatum, Cerithium</i> .....	620	<i>turcica, Pupa</i> .....	689
<i>trivittatum, Cerithium</i> .....	605	<i>turella, Megaspira</i> .....	687
<i>trochiforme, Cerithium</i> .....	605	<i>turgens, Helix</i> .....	695
<i>trochiforme, Solarium</i> .....	585	<i>turgescens, Scintilla</i> .....	752
<i>trochiformis, Delphinula</i> .....	585	<i>turgescens, Venus</i> .....	787
<i>trochiformis, Turbo</i> .....	579	<i>turgida, Caecella</i> .....	761
<i>trochlea, Terebra</i> .....	664	<i>turgida, Lacuna</i> .....	614
<i>trochoides, Helix</i> .....	695	<i>turgida, Rostellaria</i> .....	632
<i>trochoides, Solarium</i> .....	668	<i>turgida, Scintilla</i> .....	752
<i>trochoides, Turritella (Mesalia)</i> .....	609	<i>turgida, Tellina</i> .....	769
<i>trochulus, Delphinula</i> .....	585	<i>turgida, Tornatella</i> .....	670
<i>truncata, Sphenia</i> .....	790	<i>turgidula, Arca</i> .....	705
<i>truncatella, Ostrea</i> .....	713	<i>turgidula, Bulla</i> .....	673
<i>truncatum, Buccinum</i> .....	644	<i>turgidula, Eulima</i> .....	628
<i>truncatus, Cuneus</i> .....	787	<i>turgidula, Lucina</i> .....	724
<i>tuba, Bithinia</i> .....	624	<i>turgidula, Pupa</i> .....	687
<i>tuba, Cerithium</i> .....	605	<i>turgidula, Tapes</i> .....	787
<i>tuba, Hipponyx</i> .....	613	<i>turgidula, Venus</i> .....	788
<i>tuba, Natica</i> .....	594	<i>turgidula, Voluta</i> .....	638
<i>tuba, Pterostoma</i> .....	600	<i>turgidulus, Bulimus</i> .....	624
<i>tuberculosa, Cerithium clandestinum</i> .....	599	<i>turonense, Buccinum</i> .....	646
<i>tuberculosa, Ovula</i> .....	631	<i>turonensis, Auricula</i> .....	683

APPENDIX 3. — Continuation.

*turonensis, Helix* ..... 693  
*turonensis, Vermetus* ..... 620  
*turrella, Scalaria* ..... 612  
*turrella, Turbonilla* ..... 678  
*turriculatum, Triton* ..... 639  
*turriculatus, Conus* ..... 653  
*turriculatus, Proto* ..... 609  
*turris, Cerithium* ..... 606  
*turritella, Cerithium* ..... 599  
*turritellata, Achatina* ..... 684  
*turritellatum, Odostomia* ..... 678  
*turritellatus, Fusus* ..... 641  
*turtonica, Terebra* ..... 664  
*tympanorum, Melania* ..... 600

U

*umbilicalis, Helix* ..... 683  
*umbilicaris, Nautilus* ..... 804  
*umbilicaris, Teinostoma* ..... 585  
*umbilicata, Auricula* ..... 683  
*umbilicata, Cardita* ..... 728  
*umbilicata, Lucina* ..... 725  
*umbilicata, Pyramidella* ..... 678  
*umbonata, Lutetia* ..... 755  
*umbonata, Pholadomya* ..... 798  
*umbonella, Corbula* ..... 791  
*umbrella, Calyptraea* ..... 629  
*uncinata, Ostrea* ..... 713  
*undata, Cassis* ..... 634  
*undata, Lima* ..... 718  
*undatella, Terebra* ..... 664  
*undulata, Lucina* ..... 725  
*undulata, Marginella* ..... 636  
*undulata, Rissoa* ..... 627  
*uniangularis, Ostrea* ..... 714  
*uniangularis, Trochus* ..... 586  
*uniangularata, Cancellaria* ..... 639  
*uniauriculata, Lima* ..... 718  
*unicarinatus, Fusus* ..... 642  
*unicolor, Achatina variegata* ..... 684  
*unicostalis, Tellina* ..... 769  
*unifascialis, Columbella* ..... 642  
*unifascialis, Pleurotoma* ..... 655  
*unifasciata, Pleurotoma* ..... 656  
*unifilosum, Triton* ..... 635  
*unioniformis, Cyrena* ..... 748  
*unioniformis, Lucina* ..... 755  
*uniserialis, Pleurotoma* ..... 666  
*ustulata, Chione* ..... 788  
*ustulata, Terebra* ..... 664  
*wwula, Pupa* ..... 687

V

*vaginalis, Solen* ..... 794  
*vaginoides, Saxicava* ..... 733  
*variabile, Cerithium* ..... 606  
*variabile, Cyclostoma* ..... 614  
*variabile, Dentalium* ..... 802  
*variabilis, Purpura* ..... 649  
*varians, Melania (Chemnitzia)* ..... 589  
*varians, Trochus* ..... 582  
*variatum, Cerithium* ..... 618, 619  
*variculosa, Diastoma* ..... 600  
*variculosa, Littorina* ..... 614  
*variculosa, Scalaria* ..... 612  
*variegata, Cyrena* ..... 748  
*vaudini, Bullaea* ..... 673  
*vaudini, Mytilus (Septifer)* ..... 701  
*vaudini, Panopaea* ..... 794  
*vaudini, Pleurotoma* ..... 655  
*vaudini, Psammobia* ..... 775  
*vaudini, Spondylus* ..... 717  
*vaudini, Turritella* ..... 609  
*Velorita* ..... 742  
*velutina, Limnaea* ..... 680  
*veneriformis, Cyrena* ..... 748  
*veneriformis, Mactra* ..... 760  
*veneris, Dione* ..... 788  
*ventricosa, Corbula* ..... 791  
*ventricosa, Cyrena* ..... 748  
*ventricosa, Iphigenia* ..... 771  
*ventricosa, Melania* ..... 589  
*ventricosa, Petricola* ..... 789  
*ventricosa, Tellina* ..... 769  
*ventricosa, Voluta* ..... 638  
*ventricosum, Cerithium* ..... 606  
*ventriculosa, Melania (Chemnitzia)* ..... 589  
*venusta, Natica* ..... 616  
*venusta, Tellina* ..... 769  
*venustum, Cardium (Papyridea)* ..... 739  
*vera, Saxicava* ..... 794  
*vera, Sepia* ..... 805  
*vermicularis, Teredo* ..... 793  
*vermicularis, Turritella* ..... 609  
*verneuili, Bulla (Cylichna)* ..... 672  
*verneuili, Pecten* ..... 716  
*verneuili, Tellina* ..... 769  
*verneuilli, Cardium* ..... 739  
*verreauxi, Terebra* ..... 664  
*verrucosum, Cardium* ..... 739  
*vesiculosa, Limnaea* ..... 680  
*vesiculosus, Custiphorus* ..... 675  
*veslonensis, Cardinia* ..... 725  
*vespertilio, Avicula* ..... 709





APPENDIX 4. — Index of taxon names above family level.

A		BRACHIOPODA .....	809
Acanthochitonidae .....	801	Brachytrematidae .....	592
Acavidae .....	686	Buccinidae .....	640
Achatinidae .....	684	Bulimulidae .....	687
Acmaeidae .....	578	Bulinidae .....	680
Acroloxidae .....	680	Bullidae .....	671
Acteonellidae .....	666	Bursidae .....	633
Aeolidiidae .....	671	Bythinellidae .....	622
Agardhiellidae .....	687		
Aglajidae .....	673	C	
Alveolinidae .....	806	Caecidae .....	623
Ammoniidae .....	806	Calcarinidae .....	806
AMMONOIDA .....	803	Calliostomatidae .....	583
Amnicolidae .....	622	Callochitonidae .....	801
Amphibulimidae .....	687	Calyptraeidae .....	628
Amphisteginidae .....	806	Camaenidae .....	694
Ampullariidae .....	590	Campanilidae .....	592
Ampullinidae .....	592	Cancellariidae .....	638
Anatinellidae .....	760	Cancellothyrididae .....	809
Ancillariidae .....	651	Cancrisidae .....	806
Angariidae .....	583	Capulidae .....	610
ANNELIDA .....	810	Cardiidae .....	733
Anomiidae .....	714	Cardiliidae .....	760
Aplustridae .....	670	Cardiniidae .....	725
Aplysiidae .....	673	Carditidae .....	725
Aporrhaidae .....	631	Carinariidae .....	617
Archiacoceratidae .....	804	Cassidae .....	633
Architectonicidae .....	667	Cavoliniidae .....	674
Arcidae .....	702	CEPHALOPODA .....	803
Arcticidae .....	732	Cepolidae .....	695
Ariophantidae .....	690	Ceratomyidae .....	796
Arminidae .....	671	Cerionidae .....	685
ARTHROPODA .....	810	Cerithiidae .....	595
Assimineidae .....	622	Cerithiopsidae .....	618
Astartidae .....	730	Chaetopleuridae .....	801
		Chamidae .....	740
B		Charitodoronidae .....	650
Bakevelliidae .....	709	Charopidae .....	685
Basterotiidae .....	741	Chilodontaidae .....	579
Batillariidae .....	597	Chitonidae .....	800
BELEMNITIDA .....	804	Chromodorididae .....	671
Belopteridae .....	805	Cimidae .....	669
Belosaepiidae .....	805	Cingulopsidae .....	610
Benthobiidae .....	651	CIRRIPEdia .....	810
Bithyniidae .....	622	Clathurellidae .....	654
BIVALVIA .....	697	Clausiliidae .....	689
Bolivinitidae .....	806	Clavagellidae .....	797
Borsoniidae .....	653	Clavatoridae .....	686
Bothriembryontidae .....	687	Clavatulidae .....	654
		Cleidotheridae .....	798
		CNIDERIA .....	808









APPENDIX 4. — Continuation.

Solecurtidae ..... 777  
 Solemyidae ..... 698  
 Solenidae ..... 794  
 Sphaeriidae ..... 762  
 Sphaeroidinidae ..... 808  
 Sphincterochilidae ..... 696  
 Spiraxidae ..... 691  
 Spondylidae ..... 716  
 Sportellidae ..... 741  
 Stenothyridae ..... 625  
 Streptaxidae ..... 684  
 Strobilopsidae ..... 688  
 Strombidae ..... 631  
 Succineidae ..... 685

T

Tegulidae ..... 585  
 Tellinidae ..... 763  
 Terebrataliidae ..... 810  
 Terebratellidae ..... 810  
 Terebratulidae ..... 810  
 Terebridae ..... 658  
 Teredinidae ..... 792  
 Textulariidae ..... 808  
 Thiaridae ..... 606  
 Thraciidae ..... 799  
 Thyasiridae ..... 725  
 Tonnidae ..... 633  
 Tornatinidae ..... 671  
 Tornidae ..... 625  
 Trapezidae ..... 732  
 Trichodiscinidae ..... 696  
 Trigoniidae ..... 718  
 Triphoridae ..... 617  
 Tritoniidae ..... 671  
 Triviidae ..... 631  
 Trochidae ..... 581  
 Truncatellinidae ..... 688

Trypanaxidae ..... 594  
 Turbinidae ..... 585  
 Turridae ..... 664  
 Turritellidae ..... 607

U

Umbraculidae ..... 671  
 Ungulinidae ..... 777  
 Unionidae ..... 719  
 Urocoptidae ..... 685

V

Valloniidae ..... 688  
 Valvatidae ..... 667  
 Valvulinidae ..... 808  
 Vanikoridae ..... 626  
 Velutinidae ..... 631  
 Veneridae ..... 779  
 Vermetidae ..... 620  
 Verticordiidae ..... 800  
 Vertiginidae ..... 689  
 Vitrinidae ..... 689  
 Viviparidae ..... 590  
 Volutidae ..... 636  
 Volutomitridae ..... 650  
 Vulsellidae ..... 710

X, Z

Xanthonychidae ..... 696  
 Xenophoridae ..... 635  
 Xylophagidae ..... 792  
 Zebinidae ..... 622