



## Sommaire / Contents tome 14, 2015

### Editorial / Éditorial

- Stratigraphic range, identification of fragmentary fossils, and the Permo/Triassic crisis  
**Michel Laurin** ..... 343

### Avant-propos / Foreword

- A tribute to France de Lapparent de Broin  
**Michel Laurin, Nathalie Bardet** ..... 437

### Paléontologie générale, systématique et évolution / General Palaeontology, Systematics and Evolution

#### (Biostratigraphie / Biostratigraphy)

- Les kystes de dinoflagellés et palynofaciès de la transition Maastrichtien-Danien du stratotype El kef (Tunisie)  
**Amel M'Hamdi, Hamid Slimani, Stephen Louwye, Mohamed Soussi, Kmar Ben Ismail-Latrache, Walid Ben Ali** ..... 167

#### (Paléobotanique / Palaeobotany)

- High-resolution pollen record from Efate Island, central Vanuatu: Highlighting climatic and human influences on Late Holocene vegetation dynamics  
**Claire Combettes, Anne-Marie Sémah, Denis Wirmann** ..... 251
- Coryphoid palms from the Oligocene of China and their biogeographical implications  
**Qiu-Jun Wang, Fu-Jun Ma, Jun-Ling Dong, Yi Yang, Pei-Hong Jin, Bai-Nian Sun** ..... 263

#### (Micropaléontologie / Micropalaeontology)

- Upper Cretaceous Radiolarian ages from an arc-back-arc within the Yüksekova Complex in the southern Neotethys mélange, SE Turkey  
**Ugur Kağan Tekin, Melek Ural, Mehmet Cemal Göncüoğlu, Mehmet Arslan, Sevcan Kürüm** ..... 73

### (Paléontologie des invertébrés / Invertebrate palaeontology)

- The oldest record of the grylloblattodean family Euryptilonidae discovered in the Late Carboniferous of France  
**Justine Myskowiak, Jean-Marc Pouillon, André Nel** ..... 1
- Chronostratigraphy and significance of the Rugosa Group (*Cruziana*, trace fossil) in the Ordovician strata of the South American Central Andean Basin  
**Guillermo Aceñolaza, Susana Heredia, Josefina Carlosi** ..... 85
- The wasp family Spathiopterygidae in mid-Cretaceous amber from Myanmar (Hymenoptera: Diaprioidea)  
**Michael S. Engel, Diying Huang, Dany Azar, André Nel, Steven R. Davis, Mabel Alvarado, Laura C.V. Breitzkreuz** ..... 95
- The oldest known riffle beetle (Coleoptera: Elmidae) from Early Cretaceous Spanish amber  
**David Peris, Crystal A. Maier, Alba Sánchez-García, Xavier Delclòs** ..... 181
- The smallest Palaeodictyoptera (Insecta) discovered at Xiaheyan (Late Carboniferous, China)  
**Xin Liu, Olivier Béthoux, Xiangchu Yin, Dong Ren** ..... 346
- Early Pennsylvanian aykhalids from Xiaheyan, northern China and their palaeogeographical significance (Insecta: Megaseoptera)  
**Martina Pecharová, Jakub Prokop, Dong Ren** ..... 613

### (Paléontologie des vertébrés / Vertebrate palaeontology)

- A new record of *Notocetus vanbenedeni* (Squalodelphinidae, Odontoceti, Cetacea) from the Early Miocene of Peru  
**Giovanni Bianucci, Mario Urbina, Olivier Lambert** ..... 5

- *Eremotherium laurillardi* (Lund, 1842) (Xenarthra, Megatheriinae) is the only valid megatheriine sloth species in the Pleistocene of intertropical Brazil: A response to Faure et al., 2014  
**Cástor Cartelle, Gerardo De Iuliis, François Pujos** ..... 15
- Occurrence of pharyngeal teeth of the carp, *Cyprinus* Linnaeus (Teleostei, Cyprinidae) in the Middle and Upper Miocene of Andalusia (southern Spain): A puzzling disconnected palaeobiogeographical distribution  
**Jean Gaudant, Antonio García-Alix, Matthijs Freudenthal** ..... 25
- Fossil and subfossil herpetofauna from Cadet 2 Cave (Marie-Galante, Guadeloupe Islands, F. W. I.): Evolution of an insular herpetofauna since the Late Pleistocene  
**Corentin Bochaton, Sandrine Grouard, Raphaël Cornette, Ivan Ineich, Arnaud Lenoble, Anne Tresset, Salvador Bailon** ..... 101
- Three million years of “Terror-Shrew” (*Dinosorex*, Eulipotyphla, Mammalia) in the Miocene of the Vallès-Penedès Basin (Barcelona, Spain)  
**Marc Furió, Jérôme Prieto, Lars W. van den Hoek Ostende** ..... 111
- A new petalichthyid placoderm from the Early Devonian of Yunnan, China  
**Zhaohui Pan, Min Zhu, You’an Zhu, Liantao Jia** ..... 125
- The chelonians from the Latest Miocene–Earliest Pliocenelocalities of Allatini and Pylea (East Thessaloniki, Macedonia, Greece)  
**Evangelos Vlachos, Tassos Kotsakis, Massimo Delfino** ..... 187
- First occurrence of temnospondyls from the Permian and Triassic of Turkey: Paleoenvironmental and paleobiogeographic implications  
**Josep Fortuny, J.-Sébastien Steyer, Izzet Hoşgör** ..... 281
- *Jonoichthys challwa* gen. et sp. nov., a new Aspidorhynchiform (Osteichthyes, Neopterygii, Teleostomorpha) from the marine Upper Jurassic sediments of Argentina, with comments about paleobiogeography of Jurassic aspidorhynchids  
**Soledad Gouiric-Cavalli** ..... 291
- The taxonomic content of *Machimosaurus* (Crocodylomorpha, Thalattosuchia)  
**Jeremy E. Martin, Peggy Vincent, Jocelyn Falconnet** ..... 305
- A new Pleistocene cave bear site in the high mountains of the Spanish Pyrenees: La Brecha del Rincón (Huesca, Spain)  
**Raquel Rabal-Garcés, Víctor Sauqué** ..... 311
- Two new vertebrate localities from the Early Pleistocene of Mygdonia Basin (Macedonia, Greece): Preliminary results  
**George E. Konidakis, Vangelis Tourloukis, Dimitris S. Kostopoulos, Nicholas Thompson, Domenico Giusti, Dimitrios Michailidis, George D. Koufos, Katerina Harvati** ..... 353
- A new specimen of the Early Eocene *Masillacolius brevidactylus* and its implications for the evolution of feeding specializations in mousebirds (Coliiformes)  
**Gerald Mayr** ..... 363
- Lower Pleistocene leporids (Lagomorpha, Mammalia) in Western Europe: New data from the Bois-de-Riquet (Lézignan-la-Cèbe, Hérault, France)  
**Maxime Pelletier, David Cochard, Myriam Boudadi-Maligne, Jean-Yves Crochet, Laurence Bourguignon** ..... 371
- Reassessing the affinities of vertebral remains from Permo-Triassic beds of Gondwana  
**Graciela Piñeiro, Jorge Ferigolo, Ana María Ribeiro, Pablo Velozo** ..... 387
- A Late Pleistocene to Holocene succession of leporid species in the southern Vienna Basin (Austria)  
**Kristof Veitschegger, Florian A. Fladerer, Doris Nagel** ..... 403
- France de Lapparent de Broin: Specialist of turtles and crocodiles  
**Jean-Claude Rage** ..... 443
- Parallelism in the evolution of dental pattern and systematic implications: The case of *Protechimys major* Schlosser, 1884 (Theridomyinae, Rodentia, Mammalia) and its associated rodents  
**Monique Vianey-Liaud** ..... 451
- First dinosaur and turtle remains from the Latest Cretaceous shallow marine deposits of Albaina (Laño quarry, Iberian Peninsula)  
**Xabier Pereda-Suberbiola, Adán Pérez-García, José Carmelo Corral, Xabier Murelaga, Gorka Martin, Joseba Larrañaga, Nathalie Bardet, Ana Berreteaga, Julio Company** ..... 471
- An halosaurine (Squamata: Mosasauridae) from the Late Cretaceous of Patagonia, with a preserved tympanic disc: Insights into the mosasaur middle ear  
**Marta S. Fernández, Marianella Talevi** ..... 483
- Mosasauroid (Squamata) discovery in the Late Cretaceous (Early Campanian) continental deposits of Villeveyrac–L’Olivet, southern France  
**Géraldine Garcia, Nathalie Bardet, Alexandra Houssaye, Xabier Pereda-Suberbiola, Xavier Valentin** ..... 495

• Du crocodile d'Aoulef au <i>Sarcosuchus imperator</i> <b>Philippe Taquet</b> .....	507
• Testudoid and crocodyloid eggshells from the Upper Cretaceous Deccan Intertrappean Beds of Central India <b>Guntupalli V.R. Prasad, Aatreyee Sharma, Omkar Verma, Ashu Khosla, Lourembam R. Singh, Rajkumari Priyadarshini</b> .....	513
• Neck motion in turtles and its relation to the shape of the temporal skull region <b>Ingmar Werneburg</b> .....	527
• A cautionary tail: <i>Cyrtura temnospondyla</i> Jaekel, 1904, an enigmatic vertebrate specimen from the Late Jurassic Solnhofen Limestone <b>Jérémy Anquetin, Andrew R. Milner</b> .....	549
• Largest shell of a basal eucryptodiran turtle reveals Late Jurassic <i>Thalassemys hugii</i> in the British record <b>Adán Pérez-García</b> .....	555
• Long-necked chelid turtles from the Campanian of northwestern Patagonia with comments on K/P survivorship of the genus <i>Yaminuechelys</i> <b>Marcelo S. de la Fuente, Ignacio J. Maniel, Juan M. Jannello, Leonardo S. Filippi, Ignacio Cerda</b> .....	563
• New exceptionally well-preserved specimens of “ <i>Zangerlia</i> ” <i>neimongolensis</i> from Bayan Mandahu, Inner Mongolia, and their taxonomic significance <b>Donald B. Brinkman, Hai-Yan Tong, Hong Li, Yan Sun, Jian-Sheng Zhang, Pascal Godefroit, Zhe-Min Zhang</b> .....	577
• The tortoises from the Lower Pleistocene palaeontological site of Quibas (Región de Murcia, Spain) <b>Adán Pérez-García, Xabier Murelaga, Miguel Ángel Mancheño, Ainara Aberasturi Rodriguez, Gregorio Romero</b> .....	589
• The oldest Quaternary turtle remains from the Basque-Cantabrian Basin (Atxoste, Álava, Spain) <b>Adán Pérez-García, Iratxe Boneta, Alfonso Alday, Xabier Murelaga</b> .....	605
• Skeletal anatomy of the early morid fish <i>Eophycis</i> (Gadiformes, Moridae) from an Oligocene deposit in Poland <b>Tomáš Přikryl</b> .....	625
• Growth and life history of Middle Miocene deer (Mammalia, Cervidae) based on bone histology <b>Eli Amson, Christian Kolb, Torsten M. Scheyer, Marcelo R. Sánchez-Villagra</b> .....	637
• Differentiation of three <i>Martes</i> species ( <i>M. martes</i> , <i>M. zibellina</i> , <i>M. foina</i> ) by tooth morphotypes <b>Dmitriy Gimranov, Pavel Kosintsev</b> .....	647

## Paléontologie humaine et préhistoire / Human palaeontology and prehistory

• The age-related maturational pattern of the human subarcuate fossa (petromastoid canal). Preliminary results from the application of a new three-dimensional analytical approach <b>Delphine Carayon, Frédéric Vaysse, Paul Tramini, Jean Dumoncel, Rémi Esclassan</b> .....	139
• Social inequalities in the Neolithic of southern Europe: The grave goods of the Campo de Hockey necropolis (San Fernando, Cádiz, Spain) <b>Eduardo Vijande Vila, Salvador Domínguez-Bella, Juan Jesús Cantillo Duarte, Javier Martínez López, Antonio Barrena Tocino</b> .....	147
• Blade production and the consumption of obsidian in Stentinello period Neolithic Sicily <b>Kyle P. Freund, Robert H. Tykot, A. Vianello</b> .....	207
• Witnessing pre historic Delphi by luminescence dating <b>Ioannis Liritzis, Vassilios Aravantinos, George S. Polymeris, Nikolaos Zacharias, Ioannis Fappas, George Agiamarniotis, Ioanna K. Sfampa, Asimina Vafiadou, George Kitis</b> .....	219
• A Magdalenian decorated <i>baguette demi-ronde</i> from Grotte de l'Abbé (Charente, France) <b>Michelle C. Langley, Dominique Augier, Christophe Delage, Arnaud Pauthier</b> .....	321
• Minéraux volcaniques et alpins à l'abri du Maras (Ardèche, France) : témoins de vents catabatiques dans la vallée du Rhône au Pléistocène supérieur <b>Simon Puaud, Marianna Nowak, Sylvain Pont, Marie-Hélène Moncel</b> .....	331

## (Paléoanthropologie / Palaeoanthropology)

• A geode painted with ochre by the Neanderthal man <b>Marin Cârciumar, Elena-Cristina Nițu, Ovidiu Cîrstina</b> .....	31
• L'abri de Benzú (Ceuta). Un site avec une technologie de Mode 3-Paléolithique moyen dans le Nord de l'Afrique <b>José Ramos, Darío Bernal, Eduardo Vijande, Juan Jesús Cantillo, Antonio Barrena, Salvador Domínguez-Bella, Ignacio Clemente, Joaquín Rodríguez-Vidal, Simón Chamorro, Juan José Durán, Manuel Abad, David Calado, Blanca Ruiz Zapata, María José Gil, Paloma Uzquiano, Milagrosa Soriguer, Antonio Monclova, Jesús Toledo, Sergio Almisas</b> .....	43

- A retouched bone shaft from the Late Mousterian at Fumane cave (Italy). Technological, experimental and micro-wear analysis  
**Matteo Romandini, Emanuela Cristiani, Marco Peresani** ..... 63
- A new cercopithecoid dentognathic specimen attributed to *Theropithecus* from the late Early Pleistocene (c. 1 Ma) deposits of Simbiro, at Melka Kunture, Ethiopian highlands  
**Amélie Beaudet, Clément Zanolli, Blade Engda Redae, Metasebia Endalamaw, José Braga, Roberto Macchiarelli** ..... 657
- Reviewing the chronology and palaeoenvironment of the early hominin occupation of Vallparadís EVT7 (Barcelona, Spain): Reply to Lozano-Fernández et al. (Quat. Int.)  
**Joan Garcia, Kenneth Martínez** ..... 671

**(Archéologie préhistorique /  
Prehistoric archaeology)**

- Short-term Neandertal occupations in the late Middle Pleistocene of Arlanpe (Lemoa, northern Iberian Peninsula)  
**Joseba Rios-Garaizar, Diego Garate Maidagan, Asier Gómez-Olivencia, Eneko Iriarte,**

**Diego Arceredillo-Alonso, María José Iriarte-Chiapusso, Naroa Garcia-Ibaibarriaga, Alejandro García-Moreno, Igor Gutierrez-Zugasti, Trinidad Torres, Arantza Aranburu, Martin Arriolabengoa, Salvador Bailón, Xabier Murelaga, Amaia Ordiales, José Eugenio Ortiz, Juan Rofes, Ziortza San Pedro** ..... 233

- Lighting the dark: Wood charcoal analysis from Cueva de Nerja (Málaga, Spain) as a tool to explore the context of Palaeolithic rock art  
**M<sup>a</sup> Ángeles Medina-Alcaide, José Luis Sanchidrián Torti, Lydia Zapata Peña** ..... 411
- Abrupt technological change at the 8.2 ky cal BP climatic event in Central Portugal. The Epipalaeolithic of Pena d'Água Rock-shelter  
**Telmo Pereira, António Faustino Carvalho** ..... 423

**Analyse d'ouvrage / Book review**

- Revue critique de *Carnet de curiosités d'un géologue*, P. De Wever. Ellipses (2012). 359 p.  
**Michel Laurin** ..... 163
- Revue critique de *Carnet de curiosités d'un géologue et autres brèves de laboratoire*, P. De Wever. Ellipses (2013). 354 p., 26 €  
**Michel Laurin** ..... 245