

The Mosses (Bryophyta) of Uruguay, their synonymy and distribution

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Abstract – The moss flora of Uruguay is very poorly known. Heretofore, it contains 175 species and 6 varieties, distributed in 81 genera. The alphabetical checklist includes accepted taxa with primary references and distributional data for Uruguayan departments. All the data are based on literature records up to January 2002. The local taxonomic and nomenclatural synonyms are presented in a separate alphabetical list. A new combination *Rosulabryum montevidense* (Broth.) Ochyra & Matteri (*Bryum montevidense* Broth.) is proposed.

Bryophytes (Musci) / Southern South America / Uruguay / checklist / synonymy / distribution

Résumé – La flore des mousses de l'Uruguay est très mal connue. Aussi, l'auteur propose la liste alphabétique des 175 espèces et 6 variétés, réparties en 81 genres, avec leur première référence et leur distribution dans les départements d'Uruguay. Cette liste est le résultat du dépouillement de la bibliographie jusqu'en Janvier 2002. Les synonymes taxonomiques et nomenclaturaux locaux sont présentés dans une liste séparée. Une nouvelle combinaison *Rosulabryum montevidense* (Broth.) Ochyra & Matteri (*Bryum montevidense* Broth.) est proposée.

Bryophytes (Musci) / Amérique du Sud / Uruguay / inventaire / synonymie / distribution

INTRODUCTION

The República Oriental del Uruguay is situated in southern South America, lying south of Brazil, east of Argentina and west of the Atlantic Ocean (Fig. 1). The country is generally flat, with gentle undulations (the "cuchillas") which run from SW to NE and continue into Brazil. Highest point is around 500 m. To the west and south the country is surrounded by Río Uruguay and Río de la Plata. The climate is temperate, generally mild and fairly uniform all along. Uruguay lies between *ca* 30°05' to 35° S lat., and *ca* 53°45' to 58°24' W long. Total size is 177,508 km².

The natural vegetation in Uruguay is highly disturbed by agriculture and deforestation. Phytogeographically, it belongs to the Uruguayense district in the

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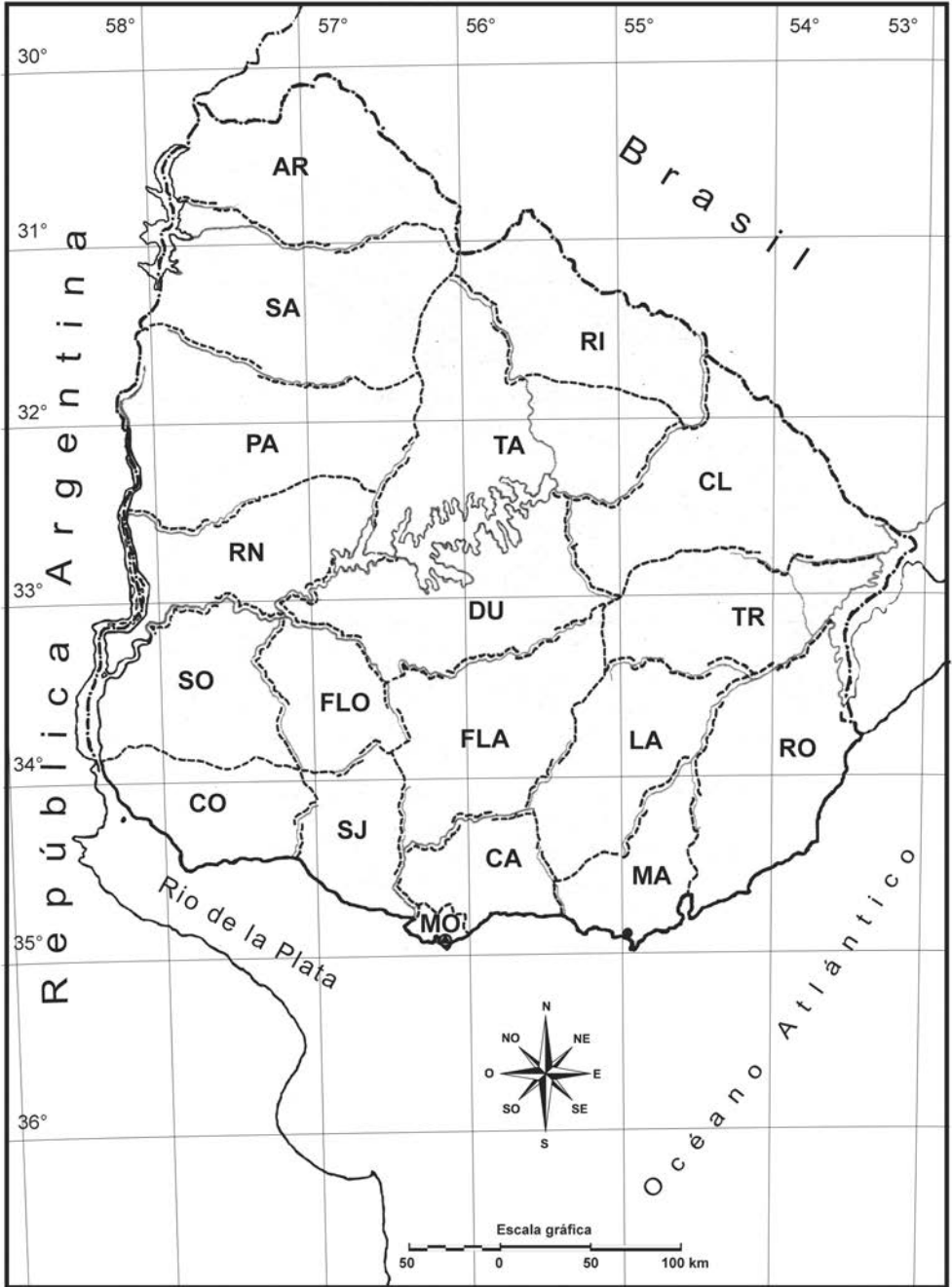


Fig. 1. Map of República Oriental del Uruguay and its departmental political divisions. Abbreviations for Departments are the same as on Table I.

Pampeana province of Cabrera (1971) or the Pampa province of Morrone (2002), which extends to southern Brazil and eastern Argentina (Muñoz *et al.*, 1993). It contains large grassy prairies and riparian forests or groves along numberless rivers and streams. Northwestern regions, along Uruguay river, contain also thicker forests with tall trees (e.g. *Peltophorum*, *Enterolobium*, *Tabebuia*), for about 200 km south of the Brazilian border, the so called “monte en galería”. Palm groves are also frequent (Muñoz *et al.*, 1993).

The moss flora of Uruguay is generally poorly known. There are still large areas needing exploration and studies. No previous catalogue is known, and references on mosses are scanty and dispersed. It appears that it was Hornschuch in the Flora Brasiliensis (1840) who reported the first mosses from Uruguay. Later contributions from Müller (1879, 1882, 1897), Felippone (1909, 1912, 1917, 1928, 1929) and Herter (1928, 1933a, 1937, 1939b, 1943) are among the most important. The level of knowledge of many of the taxa is poor and only a few of them have been re-evaluated in modern treatments.

The purpose of this paper is to summarize all the literature moss records from Uruguay, together with distribution and local synonymy. It is also expected this contribution may assist in furthering the development of local bryology.

FORMAT OF THE LIST

The checklist presents an alphabetical list of genera. Similarly, species and varieties are in alphabetical order, and with primary literature. Each entry contains accepted legitimate names in *italic bold face*. Forms and *nomina nuda* have been omitted. Departmental distribution data are added for each accepted species, followed by references to citations. Among these data there are 61 citations from unknown localities, principally from Herter (1933a). Since most of Herter's collections are from the federal district, Montevideo (MO), one could presume those unknown localities are Montevideo, as well.

Taxonomic and nomenclatural synonyms used previously for Uruguayan mosses are presented alphabetically in a separate list, followed by current accepted names. The whole checklist contains around 350 names amongst accepted specific and subspecific names, synonyms and illegitimate names.

This is a literature-based list and includes records seen up to about January, 2002. Sources of records were regional literature or specimens-based lists, general regional monographs, revisions and descriptive local florulae. The criteria for acceptance of specific epithets are legitimate names published in widely accepted monographs. The checklist has been organized primarily, from data input in the data-base Tropicos, from the Missouri Botanical Garden. The last steps of the process were made by hand. Abbreviations of authorities of moss names follow Brummitt & Powell (1992).

CHECKLIST OF TAXA FROM URUGUAY

The moss flora of Uruguay consists of 175 species and 6 varieties, in 81 genera. From the figures in Table 1, it is evident that so far, the known moss flora is restricted to the coastal departments of the country, e.g. Montevideo (the

Table 1. Number of taxa per Uruguayan department.

AR (Artigas): 5	PA (Paysandú): 8
CA (Canelones): 34	RN (Río Negro): 0
CL (Cerro Largo): 4	RI (Rivera): 8
CO (Colonia): 1	RO (Rocha): 15
DU (Durazno): 2	SA (Salto): 3
FLA (Florida): 12	SJ (San José): 3
FLO (Flores): 3	SO (Soriano): 2
LA (Lavalleja): 6	TA (Tacuarembó): 19
MA (Maldonado): 19	TR (Treinta y Tres): 8
MO (Montevideo): 108	

federal district) with 108 taxa, Canelones with 34, Maldonado with 19, and Rocha with 15. Tacuarembó, in the NE of the country, is the only inland area with 19 moss records. Other departments range from 0 to 12 records.

Considering the composition of the moss flora shown on Table 2, the largest genera are *Bryum* with 18 species, and *Physcomitrium* and *Fissidens* with 10 species each. These genera reveal the somewhat anthropogenic nature of the collections. Also, the genus *Campylopus* exhibits 7 taxa, and *Sematophyllum* and *Trematodon*, 5 species each. It is still too early for speculations on relationships of such insufficiently known flora.

Acidodontium

A. megalocarpum (Hook.) Renauld & Cardot, *Bull. Soc. Roy. Bot. Belgique* 31(1): 162, 1893. — **Dist.** Unknown loc. (Herter, 1928, 1933a).

Amblystegium

A. sparsifolium (Hampe) A. Jaeger, *Ber. Thätigk. St. Gallischen Naturwiss. Ges.* 1877-78: 289 (*Gen. Sp. Musc.* 2: 553), 1880. — **Dist.** MO (Felippone, 1928); unknown loc. (Herter, 1933a).

Anomobryum

A. conicum (Hornsch.) Broth. in Engl. & Prantl, *Nat. Pflanzenfam.* 1(3): 563, 1903. — **Dist.** MO (Felippone, 1909; Herter, 1933a).

A. humillimum (E. Britton) Broth. in Engl. & Prantl, *Nat. Pflanzenfam.* 1(3): 563, 1903. — **Dist.** MO (Ochi, 1980, 1982).

A. julaceum (P. Gaertn., B. Mey. & Scherb.) Schimp., *Syn. Musc. Europ.*: 382, 1860. — **Dist.** CA (Herter, 1943), FLA, MO (Herter, 1933a), unknown loc. (Herter, 1928, 1933b).

A. ochianum A.J. Shaw, *J. Hattori Bot. Lab.* 57: 291, 1984. — **Dist.** RI (Shaw & Fife, 1984).

Archidium

A. amplexicaule Müll. Hal., *Linnaea* 43: 346, 1882. — **Dist.** MO (Müller, 1882; Snider, 1975), unknown loc. (Herter, 1933a).

A. hallii Austin, *Bull. Torrey Bot. Club* 6: 145, 1877. — **Dist.** Unknown loc. (Herter, 1933a; Snider & Bowers, 1974).

Table 2. Number of taxa per genus.

<i>Acidodontium</i> : 1 sp.	<i>Leptodontium</i> : 1 sp.
<i>Amblystegium</i> : 1 sp.	<i>Leucodon</i> : 1 sp.
<i>Anomobryum</i> : 4 sp.	<i>Lorentziella</i> : 1 sp.
<i>Archidium</i> : 3 sp.	<i>Macrocoma</i> : 2 sp.
<i>Astomum</i> : 1 sp.	<i>Meteoridium</i> : 1 sp.
<i>Barbula</i> : 2 sp.	<i>Meteorium</i> : 1 sp.
<i>Brachymerium</i> : 2 sp.	<i>Mielichhoferia</i> : 1 sp.
<i>Brachysteleum</i> : 1 sp.	<i>Mittenothamnium</i> : 4 sp.
<i>Brachythecium</i> : 1 sp.	<i>Neckera</i> : 1 sp.
<i>Bruchia</i> : 1 sp.	<i>Oligotrichum</i> : 2 sp.
<i>Bryohumbertia</i> : 1 sp.	<i>Orthotrichum</i> : 1 sp. + 1 var.
<i>Bryum</i> : 18 sp.	<i>Phascum</i> : 1 sp.
<i>Campylopus</i> : 6 sp. + 1 var.	<i>Philonotis</i> : 3 sp.
<i>Ceratodon</i> : 1 sp.	<i>Physcomitrium</i> : 10 sp.
<i>Chrysohypnum</i> : 1 sp.	<i>Plagiomnium</i> : 1 sp.
<i>Cinclidium</i> : 1 sp.	<i>Pleuridium</i> : 2 sp.
<i>Crossomitrium</i> : 1 sp.	<i>Pohlia</i> : 1 sp.
<i>Cryphaea</i> : 1 sp.	<i>Polytrichadelphus</i> : 1 sp.
<i>Cryphidium</i> : 1 sp.	<i>Polytrichum</i> : 2 sp.
<i>Dicranella</i> : 2 sp.	<i>Ptychomitrium</i> : 3 sp. + 1 var.
<i>Dicranum</i> : 1 sp.	<i>Pyrrhobryum</i> : 1 sp.
<i>Didymodon</i> : 4 sp.	<i>Racomitrium</i> : 1 sp.
<i>Dimerodontium</i> : 4 sp.	<i>Racopilum</i> : 1 sp.
<i>Distichium</i> : 1 sp.	<i>Rhodobryum</i> : 2 sp.
<i>Entosthodon</i> : 1 sp.	<i>Rhynchostegium</i> : 3 sp.
<i>Erythrodontium</i> : 1 sp.	<i>Rigodium</i> : 1 sp.
<i>Eurhynchium</i> : 1 sp.	<i>Rosulabryum</i> : 3 sp.
<i>Fabronia</i> : 2 sp. + 2 var.	<i>Schizymenium</i> : 2 sp.
<i>Felipponea</i> : 1 sp.	<i>Schlotheimia</i> : 4 sp.
<i>Fissidens</i> : 10 sp.	<i>Sematophyllum</i> : 5 sp.
<i>Forsstroemia</i> : 2 sp.	<i>Sphagnum</i> : 4 sp.
<i>Funaria</i> : 2 sp.	<i>Syntrichia</i> : 1 sp.
<i>Grimmia</i> : 2 sp.	<i>Thuidium</i> : 1 sp.
<i>Groutiella</i> : 2 sp.	<i>Tortella</i> : 2 sp. + 1 var.
<i>Haplocladium</i> : 1 sp.	<i>Tortula</i> : 2 sp.
<i>Haplodontium</i> : 1 sp.	<i>Trematodon</i> : 5 sp.
<i>Helicodontium</i> : 2 sp.	<i>Uleastrum</i> : 1 sp.
<i>Hypopterygium</i> : 1 sp.	<i>Vesicularia</i> : 1 sp.
<i>Isopterygium</i> : 1 sp.	<i>Weissia</i> : 2 sp.
<i>Leptobryum</i> : 1 sp.	<i>Zelometeorium</i> : 1 sp.
<i>Leptodictyum</i> : 1 sp.	

A. julaceum Müll. Hal., *Linnaea* 43: 347, 1882. — **Dist.** Unknown loc. (Herter, 1933a).

Astomum

A. lorentzii (Müll. Hal.) Broth. in Engl. & Prantl, *Nat. Pflanzenfam.* 1(3): 384, 1901. — **Dist.** Unknown loc. (Herter, 1933a).

Barbula

B. subgrimmiacea Thér. in Felippone, *Rev. Bryol.*, n.s., 2: 214, f.6, 1929. — **Dist.** MA (Herter, 1933a).

B. unguiculata Hedw., *Sp. Musc. Frond.*: 118, 1801. — **Dist.** MO (Felippone, 1917; Herter, 1933a).

Brachymenium

B. acuminatum Harv. in Hook., *Icon. Pl. Rar.* 1: pl. 19, 1836. — **Dist.** MO (Ochi, 1974, 1980).

B. hyalinum Thér. in Felippone, *Rev. Bryol.*, n.s., 2: 217, f. 9, 1930. — **Dist.** MO (Felippone, 1929; Herter, 1933a).

Brachysteleum

B. crispatum (Hedw.) Hornsch. in Mart. *Fl. Bras.* 1(2): 20, 1840. — **Dist.** MO (Hornschuch, 1840).

Brachythecium

B. ruderale (Brid.) W.R. Buck, *Mem. New York Bot. Gard.* 82: 240, 1998. — **Dist.** Unknown loc. (Buck, 1998).

Bruchia

B. uruguensis Müll. Hal., *Linnaea* 42: 231, 1879. — **Dist.** CA (Rushing, 1986), TA (Herter, 1933a; Rushing, 1986).

Bryohumbertia

B. filifolia (Hornsch.) J.-P. Frahm, *Cryptogamie, Bryol.-Lichénol.* 3: 366, 1982. — **Dist.** MO (Frahm, 1975).

Bryum

B. amblyodon Müll. Hal., *Linnaea* 42: 293, 1879.— **Dist.** Unknown loc. (Ochi, 1980).

B. apiculatum Schwägr., *Sp. Musc. Frond., Suppl.*: 1(2): 102, pl. 72, 1816. — **Dist.** MO (Hornschuch, 1840), unknown loc. (Herter, 1933a).

B. argenteum Hedw., *Sp. Musc. Frond.*: 181, 1801. — **Dist.** CA, MO (Herter, 1933a), TR (Herter, 1939b).

B. austroaffine Broth., *Proc. Linn. Soc. New South Wales* 41: 487, 1916. — **Dist.** MO (Herter, 1933a).

B. beyrichianum (Hornsch.) Müll. Hal., *Syn. Musc. Frond.* 1: 249, 1848. — **Dist.** TA (Herter, 1943).

B. bicolor Dicks., *Fasc. Musc. Crypt. Brit.* 4: 16, 1801. — **Dist.** Unknown loc. (Herter, 1928).

B. clavatum (Schimp.) Müll. Hal., *Syn. Musc. Frond.* 1: 292, 1848. — **Dist.** MO (Ochi, 1980).

- B. densifolium* Brid., *Bryol. Univ.* 1: 855, 1827. — **Dist.** CL, PA (Herter, 1933a).
B. dichotomum Hedw., *Sp. Musc. Frond.*: 83, 42, f. 8-12, 1801. — **Dist.** MO (Herter, 1933a, Ochi, 1980).
B. felipponei Thér., *Rev. Bryol.*, n.s., 2: 219, f. 12, 1930. — **Dist.** MO (Herter, 1933a).
B. fuscomucronatum Müll. Hal., *Hedwigia* 36: 94, 1897. — **Dist.** PA (Herter, 1933a)
B. gilliesii Hook., *Bot. Misc.* 1: 3, fig. 2, 1829. — **Dist.** CO (Ochi, 1982), PA (Herter, 1933a).
B. gracilisetum Hornsch. in Mart. *Fl. Bras.* 1(2): 44, 1840. — **Dist.** MO (Krieger, 1904), unknown loc. (Herter, 1943).
B. laevigatum Hook. f. & Wilson, *London J. Bot.* 3: 546, 1844. — **Dist.** MO (Ochi, 1980).
B. orthodontioides Müll. Hal., *Syn. Musc. Frond.* 1: 293, 1848. — **Dist.** MO (Herter, 1943).
B. philonotoides Müll. Hal., *Gen. Musc. Frond.*: 207, 1900. — **Dist.** MO (Müller, 1900).
B. radiculosum Brid., *Sp. Musc. Frond.* 3: 18, 1817. — **Dist.** MO, PA (Ochi, 1980).
B. subapiculatum Hampe, *Vidensk. Meddel. Dansk Naturhist. Foren. Kjobenhaven*, ser. 3, 4: 51, 1872. — **Dist.** MO (Herter, 1933a; Ochi, 1980).

Campylopus

- C. arctocarpus* (Hornsch.) Mitt., *J. Linn. Soc., Bot.* 12: 87, 1869. — **Dist.** CA (Herter, 1933a), MO (Hornschuch, 1840; Herter, 1933a).
C. griseus (Hornsch.) A. Jaeger, *Ber. Thätigk. St. Gallischen Naturwiss. Ges.* 1870-71: 443 (*Gen. Sp. Musc.* 1: 147), 1872. — **Dist.** MA (Herter, 1933a, 1943), MO (Hornschuch, 1840), TA (Herter, 1933a, 1943).
C. introflexus (Hedw.) Brid., *Muscol. Recent. Suppl.*: 72, 1819. — **Dist.** Unknown loc. (Herter, 1928), MO (Hornschuch, 1840; Herter, 1933a), unknown loc. (Herter, 1933b, 1939b).
C. introflexus var. *brachycarpus* Giac., *Atti Ist. Bot. "Giovanni Briosi"* ser. 5, 13(1): 33, 1955. — **Dist.** Unknown loc. (Frahm, 1975).
C. occultus Mitt., *J. Linn. Soc., Bot.* 12: 86, 1869. — **Dist.** MO (Herter, 1933a; Frahm, 1991).
C. pyriformis (Schultz) Brid., *Bryol. Univ.* 1: 469, 1826. — **Dist.** MA (Herter, 1933a; Frahm, 1975, 1999).
C. trachyblepharon (Müll. Hal.) Mitt., *J. Linn. Soc., Bot.* 12: 80, 1869. — **Dist.** CA, MA (Herter, 1939b).

Ceratodon

- C. purpureus* (Hedw.) Brid., *Bryol. Univ.* 1: 480, 1827. — **Dist.** MO (Krieger, 1904).

Chryso-Hypnum

- C. diminutivum* (Hampe) W.R. Buck, *Brittonia* 36: 182, 1984. — **Dist.** TA (Herter, 1943).

Cinclidium

- C. stygium* Sw., *J. Bot. (Schrader)* 1801(1): 27, f.2, 1803. — **Dist.** SA (Kuc, 1995).

Crossomitrium

- C. patrisiae* (Brid.) Müll. Hal., *Linnaea* 38: 612, 1874. — **Dist.** ? Unknown loc. (Herter, 1933a).

Cryphaea

C. filiformis (Hedw.) Brid., *Mant. Musc.* 139, 1819. — **Dist.** MO (Rao, 2001).

Cryphidium

C. leucocoleum (Mitt.) A. Jaeger, *Ber. Thätigk. St. Gallischen Naturwiss. Ges.* 1874-75: 274, 1876. — **Dist.** Unknown loc. (Herter, 1928, 1933a,b; Rao, 2001).

Dicranella

D. guilleminiana (Mont.) Mitt., *J. Linn. Soc., Bot.* 12: 32, 1869. — **Dist.** MO (Krieger 1904).

D. hilariana (Mont.) Mitt., *J. Linn. Soc., Bot.* 12: 31, 1869. — **Dist.** MO (Hornschuch, 1840), unknown loc. (Herter, 1933a).

Dicranum

D. stenocarpum (Hampe) Müll. Hal., *Syn. Musc. Frond.* 2: 600, 1851. — **Dist.** MO (Felippone, 1912), unknown loc. (Herter, 1933a).

Didymodon

D. deciduus R.H. Zander, *Bull. Buffalo Soc. Nat. Sci.* 32: 162, 1993. — **Dist.** CA, MO (Herter, 1933a).

D. inundatus (Mitt.) Broth. in Engl. & Prantl, *Nat. Pflanzenfam.*: 406, 1902. — **Dist.** Unknown loc. (Herter, 1928, 1933a).

D. montevidensis Broth. in Felippone, *Contr. Fl. Bryol. Uruguay* 3: 40, 1917. — **Dist.** MO, PA (Herter, 1933a).

D. uruguayensis R.H. Zander, *Bull. Buffalo Soc. Nat. Sci.* 32: 162, 1993. — **Dist.** SA (Felippone, 1912, Herter, 1933a).

Dimerodontium

D. acuminatum Müll. Hal., *Linnaea* 42: 398, 1879. — **Dist.** Unknown loc. (Herter, 1933a).

D. chlorophyllosum Müll. Hal., *Linnaea* 42: 397, 1879. — **Dist.** FLA (Herter, 1933a).

D. mendozense Mitt., *J. Linn. Soc., Bot.* 12: 541, 1869. — **Dist.** Unknown loc. (Herter, 1928), AR (Herter, 1939b), DU (Herter, 1933a), FLA (Herter, 1939b), MO (Krieger, 1904), RO (Herter, 1933a, 1939a).

D. ovatifolium Herzog, *Hedwigia* 57: 245, 1916. — **Dist.** MO (Herzog, 1916).

Distichium

D. lorentzii Müll. Hal., *Linnaea* 43: 395, 1882. — **Dist.** MO (Krieger, 1904).

Entosthodon

E. balansae Besch., *Mém. Soc. Sci. Nat. Cherbourg* 21: 263, 1877. — **Dist.** RO (Herter, 1933a, 1939a).

Erythrodontium

E. squarrosus (Hampe) Paris, *Index Bryol.*, ed. 2, 2: 159, 1904. — **Dist.** MO (Krieger, 1904).

Eurhynchium

E. corralense (Lorentz) A. Jaeger, *Ber. Thätigk. St. Gallischen Naturwiss. Ges.* 1876-77: 351, 1878. — **Dist.** Unknown loc. (Herter, 1933a), MA, RO, SJ (Herter, 1939b).

Fabronia

F. ciliaris (Brid.) Brid. var. ***polycarpa*** (Hook.) W.R. Buck, *Brittonia* 35: 251, 1983. — **Dist.** Unknown loc. (Herter, 1928), FLA (Herter, 1933a), MA (Herter, 1939b), MO (Herter, 1933a; Buck, 1983).

F. ciliaris (Brid.) Brid. var. ***wrightii*** (Sull.) W.R. Buck, *Brittonia* 35: 249, 1983. — **Dist.** MO (Herter, 1933a; Buck, 1983).

F. jamesonii Taylor, *London J. Bot.* 7: 197, 1848. — **Dist.** MO (Herter, 1933a), RO (Herter, 1933a, 1939a,b).

F. obtusatula Müll. Hal., *Hedwigia* 36: 110, 1897. — **Dist.** Unknown loc. (Herter, 1933a).

Felipponea

F. assimilis (Müll. Hal.) O'Shea, *Trop. Bryol.* 20: 47, 2001. — **Dist.** AR (Herter, 1933a), MO (Felippone, 1912; Akiyama, 1988; O'Shea, 2001), RO (Herter, 1933a), unknown loc. (Herter, 1939b).

Fissidens

F. acacioides Schrad., *J. Bot. (Schrader)* 5: 197, 1803. — **Dist.** Unknown loc. (Pursell, 1999).

F. angustelimbatus Mitt., *J. Linn. Soc., Bot.* 12: 601, 1869. — **Dist.** Unknown loc. (Herter, 1928), CA (Herter, 1933a), MO (Herter, 1933a; Pursell, 1994).

F. berteroi (Mont.) Müll. Hal., *Syn. Musc. Frond.* 1: 45, 1848. — **Dist.** AR (Herter, 1939b), CA (Herter, 1933a), FLO, MA (Herter, 1939b), unknown loc. (Herter, 1933a).

F. crispus Mont., *Ann. Sci. Nat. Bot.*, ser. 2, 9: 57, 1838. — **Dist.** Unknown loc. (Herter, 1928, 1933a).

F. macrobryoides Müll. Hal., *Linnaea* 42: 243, 1879. — **Dist.** FLO (Müller, 1879).

F. prionocheilos Müll. Hal., *Linnaea* 42: 245, 1879. — **Dist.** RO (Müller, 1879).

F. scalaris Mitt., *J. Linn. Soc., Bot.* 12: 596, 1869. — **Dist.** CA, FLA, MA (Herter, 1933a), MO (Herter, 1933a; Pursell, 1994), RO (Herter, 1933a, 1939a), TR (Herter, 1943), unknown loc. (Herter, 1928, 1933a).

F. semicompletus Hedw., *Sp. Musc. Frond.*: 160, 1801. — **Dist.** CA (Pursell, 1987).

F. taylorii Müll. Hal., *Syn. Musc. Frond.* 1: 65, 1848. — **Dist.** RO (Pursell, 1997).

F. vitreo-limbatus Müll. Hal., *Hedwigia* 36: 86, 1897. — **Dist.** CA, MA (Herter, 1933a), MO (Müller, 1897; Herter, 1933a), PA (Herter, 1933a).

Forsstroemia

F. coronata (Mont.) Paris, *Index Bryol.* 498, 1896. — **Dist.** CL, LA (Stark, 1987), MA (Herter, 1933a; Stark, 1987), TA (Herter, 1933a; Stark, 1987).

F. trichomitria (Hedw.) Lindb., *Ofvers. Förh. Kongl. Svenska Vetensk.-Akad.* 19: 605, 1863. — **Dist.** MA, TA (Stark, 1987).

Funaria

F. clavellata (Mitt.) Broth. in Engl. & Prantl, *Nat. Pflanzenfam.* 1(3): 523, 1903. — **Dist.** Unknown loc. (Herter, 1928), CA, MO (Herter, 1933a; Krieger, 1904).

F. hygrometrica Hedw., *Sp. Musc. Frond.*: 172, 1801. — **Dist.** Unknown loc. (Herter, 1928), CA, FLA, MA (Herter, 1933a), MO (Krieger, 1904; Herter, 1933a), RO (Herter, 1933a, 1939a), TR (Herter, 1939b).

Grimmia

G. laevigata (Brid.) Brid., *Bryol. Univ.* 1: 183, 1826. — **Dist.** MO (Muñoz, 1999).

G. pulvinata (Hedw.) Sm., *Engl. Bot.* 24: pl. 1728, 1807. — **Dist.** Unknown loc. (Herter, 1928), CA, LA (Herter, 1933a; Muñoz, 1999), MO (Krieger, 1904; Herter, 1933a; Muñoz, 1999), RI (Herter, 1939b; Muñoz, 1999) RO (Herter, 1933a, 1939a), TR (Herter, 1943).

Groutiella

G. apiculata (Hook.) H.A. Crum & W.C. Steere, *Bryologist* 53(2): 146, 1950. — **Dist.** MO (Krieger, 1904).

G. tomentosa (Hornsch.) Wijk & Margad., *Taxon* 9: 51, 1960. — **Dist.** MO (Hornschuch, 1840), unknown loc. (Herter, 1933a).

Haplocladium

H. microphyllum (Hedw.) Broth. in Engl. & Prantl, *Nat. Pflanzenfam.* 1(3): 1007, 1907. — **Dist.** Unknown loc. (Herter, 1933a, 1943).

Haplodontium

H. brachycladum Broth. in Felippone, *Contr. Fl. Bryol. Uruguay* 1: 7, 1909. — **Dist.** MO (Felippone, 1909; Herter, 1933a).

Helicodontium

H. pendulum (Brid.) Lindb., *Krit. Gransk. Moss. Dill. Hist. Musc.*: 51, 1883. — **Dist.** Unknown loc. (Herter, 1928).

H. pervirens (Müll. Hal.) Paris, *Index Bryol.* 556, 1896. — **Dist.** Unknown loc. (Herter, 1933a), TA (Herter, 1943).

Hypopterygium

Hypopterygium tamarisci (Sw.) Müll. Hal., *Syn. Musc. Frond.*: 2, 1850. — **Dist.** CA (Müller, 1897; Kruijer, 2002), MO (Müller, 1897; Krieger, 1904; Hosseus, 1939; Matteri, 1973; Kruijer, 2002), TR (Herter, 1933a, 1939a, 1943), unknown loc. (Herter, 1933a).

Isopterygium

I. tenerum (Sw.) Mitt., *J. Linn. Soc., Bot.* 12: 499, 1869. — **Dist.** CA (Ireland, 1992), TA (Herter, 1933a).

Leptobryum

L. pyriforme (Hedw.) Wilson, *Bryol. Brit.*: 219, 1855. — **Dist.** MO (Krieger, 1904).

Leptodictyum

L. campicola (Müll. Hal.) Broth. in Engl., *Nat. Pflanzenfam.*, ed. 2, 11: 337, 1925. — **Dist.** CA (Herter, 1933a).

Leptodontium

L. capituligerum Müll. Hal., *Linnaea* 42: 323, 1879. — **Dist.** CA, MO (Herter, 1933a).

Leucodon

L. felipponei Thér., *Revista Sudamer. Bot.* 6: 109, 1941. — **Dist.** MA (Thériot, 1939).

Lorentziella

L. imbricata (Mitt.) Broth. in Engl. & Prantl, *Nat. Pflanzenfam.* 1(3): 511, 1903. — **Dist.** MO (Felippone, 1912), RO (Herter, 1933a, 1939a), unknown loc. (Herter, 1928, 1933b; Cárdenas, 1995).

Macrocoma

M. brasiliensis (Mitt.) Vitt, *Bryologist* 83: 408, 1980[1981]. — **Dist.** Unknown loc. (Vitt, 1980).

M. orthotrichoides (Raddi) Wijk & Margad., *Taxon* 11: 221, 1962. — **Dist.** MO (Hornschuch, 1840; Felippone, 1912), unknown loc. (Herter, 1933a; Vitt, 1980).

Meteoridium

M. remotifolium (Müll. Hal.) Manuel, *Lindbergia* 4: 49, 1977. — **Dist.** MO (Manuel, 1977a).

Meteorium

M. medium (Ångstr.) Broth. in Engl. & Prantl, *Nat. Pflanzenfam.* 1(3): 818, 1906. — **Dist.** TA (Herter, 1933a).

Mielichhoferia

M. ulei Müll. Hal., *Bull. Herb. Boissier* 6: 28, 1898. — **Dist.** FLA, TA (Herter, 1943).

Mittenothamnium

M. camptorrhynchum (Hampe) Cardot, *Rev. Bryol.* 40: 20, 1913. — **Dist.** MO (Krieger, 1904).

M. plinthophilum (Müll. Hal.) Cardot, *Rev. Bryol.* 40: 21, 1913. — **Dist.** Unknown loc. (Herter, 1933a), RO (Müller, 1879).

M. sellovii (Hornsch.) Cardot, *Rev. Bryol.* 40: 21, 1913. — **Dist.** Unknown loc. (Herter, 1928, 1933a,b).

M. simorrhynchum (Hampe) Cardot, *Rev. Bryol.* 40: 21, 1913. — **Dist.** MO (Krieger, 1904).

Neckera

N. villae-ricae Besch., *Mém. Soc. Sci. Nat. Cherbourg* 21: 265, 1877. — **Dist.** CL (Herter, 1939b), FLA, TA (Herter, 1933a).

Oligotrichum

O. canaliculatum (Hook. & Arn.) Mitt., *J. Linn. Soc., Bot.* 12: 606, 1869. — **Dist.** MO (Krieger, 1904).

O. riedelianum (Mont.) Mitt., *J. Linn. Soc., Bot.* 12: 606, 1869. — **Dist.** MO (Krieger, 1904).

Orthotrichum

O. araucarieti Müll. Hal. in Broth., *Denschr. Kaiserl. Akad. Wiss., Math.-Naturwiss. Kl.* 83: 287, 1926. — **Dist.** CA (Lewinsky, 1987).

O. diaphanum Brid. var. ***podocarpi*** (Müll. Hal.) Lewinsky, *Lindbergia* 10: 72, 1984. [1985]. — **Dist.** MO (Herter, 1933a, 1937).

Phascum

P. calodictyon Müll. Hal., *Flora* 71: 4, 1888. — **Dist.** MO (Müller, 1888; Felippone, 1912), unknown loc. (Herter, 1928, 1933a).

Philonotis

P. curvata (Hampe) A. Jaeger, *Ber. Thätigk. St. Gall. Naturwiss. Ges.* 1873-74: 83, 1875. — **Dist.** CA (Herter, 1933a), MO (Krieger, 1904; Herter, 1933a), PA (Herter, 1933a).

P. flexipes (Müll. Hal.) Paris, *Index Bryol., Suppl.*: 266, 1900. — **Dist.** FLA (Herter, 1943), MO (Herter, 1933a), RO (Herter, 1943).

P. strictiuscula (Müll. Hal.) Paris, *Index Bryol., Suppl.*: 268, 1900. — **Dist.** Unknown loc. (Herter, 1933a).

Physcomitrium

P. acutifolium Broth., *Bih. Kongl. Svenska Vetensk.-Akad. Handl.* 26, Afd. 3(7): 96, 1900. — **Dist.** MO (Herter, 1933a).

P. badium Broth., *Bih. Kongl. Svenska Vetensk.-Akad. Handl.* 26, Afd.3(7): 25, 1900. — **Dist.** MO (Herter, 1933a).

P. cupulare Müll. Hal., *Linnaea* 42: 259, 1879. — **Dist.** SJ (Herter, 1939b).

P. felipponei Thér., *Revista Sudamer. Bot.* 6: 108, 1939. — **Dist.** MO (Thériot, 1939), unknown loc. (Herter, 1939b).

P. germanillae Müll. Hal., *Linnaea* 42: 259, 1879. — **Dist.** MO (Herter, 1939b).

P. gibertii Mitt. in Hemsley, W., *Rep. Challenger, Bot.* 1(3): 171, 1885. — **Dist.** Unknown loc. (Mitten, 1885).

P. herteri Thér., *Revista Sudamer. Bot.* 6: 108, 1939. — **Dist.** MO (Herter, 1939b; Thériot, 1939).

P. lorentzii Müll. Hal., *Linnaea* 42: 260, 1879. — **Dist.** MO (Krieger, 1904; Herter, 1933a).

P. thieleanum Hampe, *Icon. Musc.*: 30, 1844. — **Dist.** MO (Mitten, 1869), unknown loc. (Herter, 1928, 1933a).

P. umbonatum Mitt., *J. Linn. Soc., Bot.* 12: 241, 1869. — **Dist.** CA, MA, MO, TA (Herter, 1933a).

Plagiomnium

P. rostratum (Schrad.) T.J. Kop., *Ann. Bot. Fenn.* 5: 147, 1968. — **Dist.** TA (Herter, 1933a), TR (Herter, 1933a, 1939a).

Pleuridium

P. robinsonii (Mont.) Mitt., *J. Linn. Soc., Bot.* 12: 26, 1869. — **Dist.** CA, MO (Herter, 1933a), RO (Herter, 1933a, 1939a), unknown loc. (Herter, 1928, 1939b).

P. subnervosum (Müll. Hal.) Paris, *Index Bryol.* : 973, 1898. — **Dist.** DU, MA, TA (Herter, 1933a).

Pohlia

P. wahlenbergii (F. Weber & D. Mohr) A.L. Andrews, in Grout, *Moss Fl. N. Amer.* 2: 203, 1935. — **Dist.** Unknown loc. (Shaw, 1982).

Polytrichadelphus

P. semi-angulatus (Brid.) Mitt., *J. Linn. Soc. Bot.* 12: 609, 1869. — **Dist.** MO (Krieger, 1904).

Polytrichum

P. juniperinum Hedw., *Sp. Musc. Frond.*: 89, pl. 18: f. 6-10, 1801. — **Dist.** MA, RI (Herter, 1939b).

P. subpilosum P. Beauv., *Prodr. de l'Aethog.*: 86, 1805. — **Dist.** TA? (Herter, 1933a) (dubious record).

Ptychomitrium

P. balansae Besch., *Mém. Soc. Sci. Nat. Cherbourg* 21: 261, 1877. — **Dist.** TA (Herter, 1943), unknown loc. (Herter, 1933a).

P. sellowianum (Müll. Hal.) A. Jaeger, *Ber. Thätigk. St. Gallischen Naturwiss. Ges.* 1872-73: 104 (*Gen. Sp. Musc.* 1: 382), 1874. — **Dist.** AR, FLA, LA, MA (Herter, 1933a), MO (Müller, 1849; Guo & Cao, 2000), TA (Herter, 1933a).

P. sellowianum var. ***uruguense*** Thér. in Felippone, *Rev. Bryol.*, n.s., 2: 220, f.13, 1929. — **Dist.** MO (Felippone, 1929).

P. sinense (Mitt.) A. Jaeger, *Ber. Thätigk. St. Gallischen Naturwiss. Ges.* 1872-73: 104 (*Gen. Sp. Musc.* 1: 382), 1874. — **Dist.** CA (Herter, 1933a), LA (Felippone, 1929; Herter, 1933a; Cao & Koponen, 1997).

Pyrrhobryum

P. spiniforme (Hedw.) Mitt., *J. Linn. Soc., Bot.* 10: 174, 1868. — **Dist.** TA (Herter, 1943).

Racomitrium

R. lanuginosum (Hedw.) Brid., *Muscol. Recent. Suppl.*: 79, 1819. — **Dist.** MO (Krieger, 1904).

Racopilum

R. tomentosum (Hedw.) Brid., *Bryol. Univ.* 2: 719, 1827. — **Dist.** MO (Krieger, 1904).

Rhodobryum

R. aubertii (Schwägr.) Thér., *Rec. Publ. Soc. Havr. d'Etud. Div.* 89(2): 128, 1922. — **Dist.** MO (Hornschuch, 1840).

R. rigidum (Hornsch.) Paris, *Ind. Bryol.*: 1119, 1898. — **Dist.** MO (Hornschuch, 1840; Herter, 1933a).

Rhynchostegium

R. beskeanum (Müll. Hal.) A. Jaeger, *Ber. Thätigk. St. Gallischen Naturwiss. Ges.* 1876-77: 375 (*Gen. Sp. Musc.* 2: 439), 1878. — **Dist.** MO (Herter, 1933a).

R. sellowii (Hornsch.) A. Jaeger, *Ber. Thätigk. St. Gallischen Naturwiss. Ges.* 1876-77: 373 (*Gen. Sp. Musc.* 2: 439), 1878. — **Dist.** MO (Hornschuch, 1840; Herter, 1933a).

R. tenuifolium (Hedw.) Reichardt, *Reise Öst. Freg. Novara* 1(3): 191, 1870. — **Dist.** CA, MO (Herter, 1933a), unknown loc. (Herter, 1933b).

Rigodium

R. toxarion (Schwägr.) A. Jaeger, *Ber. Thätigk. St. Gallischen Naturwiss. Ges.* 1876-77: 244 (*Gen. Sp. Musc.* 2: 310), 1878. — **Dist.** RI (Zomlefer, 1993).

Rosulabryum

R. capillare (Hedw.) J.R. Spence, *Bryologist* 99(2): 223, 1996. — **Dist.** MO (Mitten, 1869), unknown loc. (Herter, 1933a,b; Ochi, 1980).

R. montevidense (Broth.) Ochyra & Matteri, **comb. nov.** (Basionym: *Bryum montevidense* Broth. in Felipp., *Revista Chilena Hist. Nat.* 32: 84, f. 12. 1928 [Feb 1929]). — **Dist.** MO (Felippone, 1928).

R. torquescens (De Not.) J.R. Spence, *Bryologist* 99(2): 223, 1996. — **Dist.** MO (Herter, 1933a), unknown loc. (Herter, 1939b).

Schizymerium

S. brevicaule (Hornsch.) A.J. Shaw & S.P. Churchill, in S.P. Churchill, *Trop. Bryol.* 1: 111, 1989. — **Dist.** CA, FLA, LA (Herter, 1933a), MO (Hornschuch, 1840; Krieger, 1904; Herter, 1933a), SO (Herter, 1933a).

S. pulchrum (Broth.) A.J. Shaw, *Bryologist* 88: 29, 1985. — **Dist.** CA (Felippone, 1909; Herter, 1933a), LA (Herter, 1933a), MO (Krieger, 1904; Felippone, 1909; Herter, 1933a).

Schlotheimia

S. jamesonii (Arn.) Brid., *Bryol. Univ.* 1: 742, 1826. — **Dist.** MO (Hornschuch, 1840), unknown loc. (Herter, 1933a).

S. longifolia (Hook.) Schwägr., *Sp. Musc. Frond., Suppl.* 2(2): 147, 1827. — **Dist.** MO (Hornschuch, 1840), unknown loc. (Herter, 1933a).

S. torquata (Hedw.) Brid., *Muscol. Recent., Suppl.* 2: 16, 1812. — **Dist.** MO (Hornschuch, 1840; Mitten, 1869; Krieger, 1904; Grout, 1944), unknown loc. (Herter, 1933a).

S. trichomitria Schwägr., *Sp. Musc. Frond., Suppl.* 2(2): 55, f.169, 1826. — **Dist.** MO (Hornschuch, 1840; Mitten, 1869; Felippone, 1912), unknown loc. (Herter, 1933a).

Sematophyllum

S. bracteatum (Müll. Hal.) Broth. in Engl., *Nat. Pflanzenfam.*, ed. 2, 11: 433, 1925. — **Dist.** CA, CL (Herter, 1933a), MA (Herter, 1943), PA (Herter, 1933a).

S. microcarpoides (Müll. Hal.) Broth. in Engl., *Nat. Pflanzenfam.*, ed. 2, 11: 431, 1925. — **Dist.** Unknown loc. (Herter, 1933a).

S. perichaetiale Thér. in Felippone, *Rev. Bryol.*, n.s., 2: 224, f. 18, 1930. — **Dist.** MO (Herter, 1933a).

S. stenopyxidium (Müll. Hal.) Broth. in Engl., *Nat. Pflanzenfam.*, ed. 2, 11: 432, 1925. — **Dist.** Unknown loc. (Herter, 1933a).

S. subpinnatum (Brid.) E. Britton, *Bryologist* 21: 28, 1918. — **Dist.** MO (Krieger, 1904; Herter, 1933a).

Sphagnum

S. capillifolium (Ehrh.) Hedw., *Fundam.* 2: 86, 1782. — **Dist.** MO (Müller, 1887), unknown loc. (Andrews, 1947).

S. herteri H.A. Crum, *Fragm. Flor. Geobot.* 40(1): 172, 1995. — **Dist.** CA (Crum, 1995).

S. magellanicum Brid., *Muscol. Recent.* 2(1): 24, 5 f.1, 1798. — **Dist.** CA, MO (Herter, 1933a), RI (Herter, 1943), SJ (Herter, 1933a).

S. uruguayense H.A. Crum, *Novon* 12(4): 443, f.17-23, 2002. — **Dist.** MO (Crum, 2002).

Syntrichia

S. brachyclada (Cardot) R.H. Zander, *Bull. Buffalo Soc. Nat. Sci.* 32: 267, 1993. — **Dist.** CA (Kramer, 1988).

Thuidium

T. pulvinatum Müll. Hal., *Hedwigia* 36: 141, 1897. — **Dist.** Unknown loc. (Herter, 1933a).

Tortella

T. fruchartii (Müll. Hal.) R.H. Zander, *Bull. Buffalo Soc. Nat. Sci.* 32: 104, 1993. — **Dist.** MA (Herter, 1943), MO (Felippone, 1912; Herter, 1933a).

T. humilis (Hedw.) Jenn., *Man. Mosses W. Pennsylvania:* 96, f. 13, 1913. — **Dist.** AR (Herter, 1939b), SO, TA (Herter, 1933a).

T. pseudocaespitosa (Müll. Hal.) Broth. var. *brachybasis* (Müll. Hal.) Paris, *Index Bryol.*, ed. 2, 1: 96, 1904. — **Dist.** FLO (Müller, 1879).

Tortula

T. muralis Hedw., *Sp. Musc. Frond.*: 123, 1801. — **Dist.** CA (Herter, 1933a), MO (Krieger, 1904; Herter, 1933a), PA (Herter, 1933a), TR (Herter, 1939a,b).

T. truncata (Hedw.) Mitt. in Godman, *Nat. Hist. Azores:* 297, 1870. — **Dist.** CA (Herter, 1933a), MO (Krieger, 1904; Herter, 1933a).

Trematodon

T. crispifolius Thér. in Felippone, *Rev. Bryol.*, n.s., 2: 211, f.2, 1930. — **Dist.** RI (Herter, 1933a).

T. felipponei Thér. in Felippone, *Rev. Bryol.*, n.s., 2: 210, f.1, 1930. — **Dist.** RI (Herter, 1933a).

T. reflexus Müll. Hal., *Syn. Musc. Frond.* 1: 459, 1848. — **Dist.** MO (Krieger, 1904).

T. uruguensis Broth., in Felippone, *Contr. Fl. Bryol. Uruguay* 1: 3, 1909. — **Dist.** MO, RI (Herter, 1933a).

T. vaginatus Müll. Hal., *Bot. Zeitung (Berlin)* 15: 380, 1857. — **Dist.** MO (Krieger, 1904).

Uleastrum

U. palmicola (Müll. Hal.) R.H. Zander, *Bull. Buffalo Soc. Nat. Sci.* 32: 277, 1993. — **Dist.** MO (Herter, 1933a; Goffinet, 1997), RO (Herter, 1943).

Vesicularia

V. vesicularis (Schwägr.) Broth. in Engl. & Prantl, *Nat. Pflanzenfam.* 1(3): 1094, 1908. — **Dist.** MO (Krieger, 1904).

Weissia

W. balansaeana (Besch.) Müll. Hal., *Linnaea* 43: 437, 1882. — **Dist.** CA, FLA, MO, SA (Herter, 1933a), TR (Herter, 1943).

W. felipponei Thér. in Felippone, *Rev. Bryol.*, n.s., 2: 213, f.4, 1930. — **Dist.** MO (Herter, 1933a).

Zelometeorium

Z. ambiguum (Hornsch.) Manuel, *J. Hattori Bot. Lab.* 43: 113, 1977. — **Dist.** Unknown loc. (Manuel, 1977b).

LIST OF SYNONYMS

Amblystegium campicola (Müll. Hal.) Paris: ***Leptodictyum campicola***
Anomobryum felipponei Thér.: ***Anomobryum julaceum***
Archidium arechavaletae Müll. Hal.: ***Archidium amplexicaule***
Archidium ephemeroides Müll. Hal.: ***Archidium hallii***
Archidium gibertii Mitt.: ***Archidium amplexicaule***
Archidium lorentzii Müll. Hal.: ***Archidium hallii***
Astomum fruchartii (Müll. Hal.) Broth.: ***Tortella fruchartii***
Barbula decidua Müll. Hal., *hom. illeg.*: ***Didymodon deciduus***
Barbula uruguayensis Broth.: ***Didymodon uruguayensis***
Brachysteleum sellowianum Müll. Hal.: ***Ptychomitrium sellowianum***
Brachythecium stereopoma (Mitt.) A. Jaeger: ***Brachythecium ruderales***
Bryum cavum Müll. Hal.: ***Rosulabryum capillare***
Bryum conicum Hornsch.: ***Anomobryum conicum***
Bryum filiforme Dicks.: ***Anomobryum julaceum***
Bryum gracillimum Broth.: ***Bryum subapiculatum***
Bryum humillimum E. Britton: ***Anomobryum humillimum***
Bryum montevidense Broth.: ***Rosulabryum montevidense***
Bryum montevidense Thér., *hom. illeg.*: ***Bryum dichotomum***
Bryum parvulum Broth., *hom. illeg.*: ***Bryum gilliesii***
Bryum percurrans Thér. [“percurrente”]: ***Bryum dichotomum***
Bryum rigidum (Hornsch.) Müll. Hal., *hom. illeg.*: ***Rhodobryum rigidum***
Bryum senopyxis Müll. Hal.: ***Rosulabryum capillare***
Bryum torquescens De Not.: ***Rosulabryum torquescens***
Campylopus arenicola (Müll. Hal.) Mitt.: ***Campylopus trachyblepharon***
Campylopus fuscatus Besch.: ***Campylopus occultus***
Campylopus nitidus Thér., *hom. illeg.*: ***Campylopus pyriformis***
Campylopus scabrophyllus (Müll. Hal.) Paris: ***Campylopus griseus***
Campylopus stenocarpus (Hampe) A. Jaeger: ***Dicranum stenocarpum***
Campylopus uruguensis J.-P. Frahm, *hom. illeg.*: ***Campylopus pyriformis***
Campylopus verticillatus (Hampe) Kindb.: ***Bryohumbertia filifolia***
Cladomnion montevidense Müll. Hal.: ***Felipponea assimilis***
Dicranum arctocarpum Hornsch.: ***Campylopus arctocarpus***
Dicranum brachythysanum Müll. Hal.: ***Campylopus occultus***
Dicranum sellowii Hornsch.: ***Dicranella hilariana***
Ectropothecium rutilans (Brid.) Mitt.: ***Vesicularia vesicularis***
Erythrodonium bicolor (Paris) Broth.: ***Erythrodonium squarrosum***

- Fabronia affinis* Thér. in Felippone: ***Fabronia ciliaris*** var. ***polycarpa***
Fabronia andina Mitt.: ***Fabronia ciliaris*** var. ***wrightii***
Fabronia contermina Thér. in Felippone: ***Fabronia jamesonii***
Fabronia felipponei Broth. in Felippone: ***Fabronia jamesonii***
Fabronia imbricata Hampe: ***Fabronia ciliaris*** var. ***polycarpa***
Fabronia latifolia Müll. Hal.: ***Fabronia ciliaris*** var. ***polycarpa***
Fabronia palmicola Müll. Hal.: ***Fabronia jamesonii***
Fabronia polycarpa Hook.: ***Fabronia ciliaris*** var. ***polycarpa***
Fabronia uruguayensis Müll. Hal.: ***Fabronia jamesonii***
Felipponea montevidensis (Müll. Hal.) Broth.: ***Felipponea assimilis***
Fissidens distichellus Besch.: ***Fissidens scalaris***
Fissidens felipponei Broth. in Felippone: ***Fissidens scalaris***
Fissidens hauthalii Müll. Hal.: ***Fissidens scalaris***
Fissidens leptocaulis Müll. Hal.: ***Fissidens angustelimbatus***
Fissidens lorentziae (Müll. Hal.) Broth.: ***Fissidens berteroi***
Fissidens permollis Thér.: ***Fissidens berteroi***
Fissidens repandus Wilson: ***Fissidens crispus***
Fissidens stoloniferus Müll. Hal. *nom. inval.*: ***Fissidens scalaris***
Forsstroemia felipponei Thér.: ***Forsstroemia coronata***
Funaria balansae (Besch.) Broth.: ***Entosthodon balansae***
Funaria calvescens Schwägr.: ***Funaria hygrometrica***
Grimmia decurrentipilis Thér. in Felippone: ***Grimmia pulvinata***
Grimmia gibertii Mitt.: ***Grimmia pulvinata***
Grimmia montevidensis Thér.: ***Grimmia pulvinata***
Haplocladium austro-serpens (Müll. Hal.) Broth.: ***Haplocladium microphyllum***
Haplocladium laterculi (Müll. Hal.) Broth.: ***Haplocladium microphyllum***
Haplocladium uruguayense (Müll. Hal.) Broth. [“uruguayense”]: ***Haplocladium microphyllum***
Haplodontium brachycladulum Broth.: ***Haplodontium brachycladum***
Hymenostomum balansaeaeum Besch.: ***Weissia balansaeana***
Hypnum sellowii Hornsch.: ***Rhynchostegium sellowii***
Hypopterygium argentinicum Müll. Hal.: ***Hypopterygium tamarisci***
Hypopterygium laricinum (Hook.) Brid. var. *incrassatolimbatum* (Müll. Hal.) W. Krieg. & Broth.: ***Hypopterygium tamarisci***
Hypopterygium squarulosum Müll. Hal.: ***Hypopterygium tamarisci***
Isopterygium cacti (Müll. Hal.) Kindb.: ***Isopterygium tenerum***
Leptodontium felipponei Broth.: ***Leptodontium capituligerum***
Lorentziella gibertii Müll. Hal.: ***Lorentziella imbricata***
Macromitrium filiforme Schwägr. *nom. illeg.*: ***Macrocoma orthotrichoides***
Macromitrium tomentosum Hornsch.: ***Groutiella tomentosa***
Micromitrium tomentosum (Hornsch.) Paris: ***Groutiella tomentosa***
Microthamnium flavidum Ångstr.: ***Mittenothamnium simorrhynchum***
Microthamnium plinthophilum (Müll. Hal.) Par.: ***Mittenothamnium plinthophilum***
Microthamnium sellovii (Hornsch.) Mitt.: ***Mittenothamnium sellovii***
Microthamnium widgrenii Ångstr., *nom. illeg.*: ***Mittenothamnium camptorhynchum***
Mielichhoferia brevicaulis Hornsch.: ***Schizymerium brevicaulis***
Mielichhoferia pulchra Broth.: ***Schizymerium pulchrum***
Mnium rigidum Hornsch.: ***Rhodobryum rigidum***
Neckeropsis villae-ricae (Besch.) Broth.: ***Neckera villae-ricae***
Orthotrichum herteri Herzog: ***Orthotrichum diaphanum*** var. ***podocarp***

Oxyrrhynchium corralense (Lorentz) Reimers: ***Eurhynchium corralense***
Philonotis balanseana Besch.: ***Philonotis curvata***
Polytrichum antillarum Rich.: ***Polytrichum juniperinum***
Polytrichum apressum Brid. ["adpressum"]: ***Polytrichum subpilosum***
Polytrichadelphus croceus Mitt.: ***Polytrichadelphus semi-angulatus***
Pottia physcomitrioides Müll. Hal.: ***Tortula truncata***
Pottia truncata (Hedw.) Schimp.: ***Tortula truncata***
Pottia truncatula (With.) Büse: ***Tortula truncata***
Ptychomitrium felipponei Thér.: ***Ptychomitrium sinense***
Ptychomitrium uruguense (Müll. Hal.) Kindb.: ***Ptychomitrium balansae***
Rhaphidostegium loxense (Hook.) A. Jaeger: ***Sematophyllum subpinnatum***
Schlotheimia nitida Schwägr.: ***Schlotheimia torquata***
Schlotheimia ottonis Schwägr.: ***Schlotheimia torquata***
Sematophyllum circinale (Müll. Hal.) Paris: ***Sematophyllum subpinnatum***
Sphagnum medium Limpr.: ***Sphagnum magellanicum***
Thysanomitrium griseum Hornsch.: ***Campylopus griseus***
Thysanomitrium introflexum (Hedw.) Arn.: ***Campylopus introflexus***
Tortella caespitosa (Schwägr.) Limpr.: ***Tortella humilis***
Tortula brachyclada Cardot: ***Syntrichia brachyclada***
Tortula inundata Mitt.: ***Didymodon inundatus***
Tortula muricola (Müll. Hal.) Mitt.: ***Tortula muralis***
Ulea nitida Thér.: ***Uleastrum palmicola***

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