

NEW NAMES AND COMBINATIONS IN *POROTRICHUM* (NECKERACEAE)

RYSZARD OCHYRA

Ryszard Ochyra, Laboratory of Bryology, Institute of Botany, Polish Academy of Sciences, Lubicz 46, 31-512 Kraków, Poland; e-mail: r.ochyra@botany.pl

Porotrichum (Brid.) Hampe is a pleurocarpous moss genus with a characteristic stipitate-frondose habit giving the plants a dendroid appearance. It consists of about 36 species occurring primarily in the African and American tropics (Allen 2010). The final number of species may be higher because the congenericity of *Porotrichum* with *Porothamnium* (Sastre-De Jesús 1987; Buck 1998, 2003) necessitates the transfer of several species to *Porotrichum* which still reside in *Porothamnium*. It is effected herein.

Porotrichum arbusculans* (Müll. Hal.) Ochyra, *comb. nov.

BASIONYM: *Hypnum arbusculans* Müll. Hal., *Linnaea* **38**: 618. 1874 ≡ *Thamnium arbusculans* (Müll. Hal.) A. Jaeger, Ber. Thätigk. St. Gallischen Naturwiss. Ges. 1875–1876: 312. 1877 ≡ *Porothamnium arbusculans* (Müll. Hal.) M. Fleisch. ex Cardot & Broth., Kungl. Svensk. Vet. Akad. Handl. **63**(10): 59. 1923.

Porotrichum arbusculans* (Müll. Hal.) Ochyra fo. *complanatum* (Dusén ex Reimers) Ochyra, *comb. nov.

BASIONYM: *Porothamnium arbusculans* (Müll. Hal.) M. Fleisch. ex Cardot & Broth. fo. *complanatum* Dusén ex Reimers, *Hedwigia* **66**: 66. 1926.

Porotrichum baculiferum* (Dixon) Ochyra, *comb. nov.

BASIONYM: *Thamnium baculiferum* Dixon, Bull. Torrey Bot. Club **42**: 104, pl. 9, f. 10. 1915 ≡ *Porothamnium baculiferum* (Dixon) Broth. in Engl. & Prantl, Nat. Pflanzenfam. Ed. 2, **11**: 200. 1925.

Porotrichum brasiliense* Ochyra, *nom. nov.

TYPONYM: *Porothamnium tenuinerve* Broth. in Schiffn., *Ergebn. Bot. Exped. Südbras. Musci*: 320. 1924 [blocking name *Porotrichum tenuinerve* B. H. Allen, *Novon* **4**: 315, f. 1–10. 1994].

Porotrichum comosum* (Herzog) Ochyra, *comb. nov.

BASIONYM: *Porothamnium comosum* Herzog, *Bibl. Bot.* **87**: 120, f. 48. 1916.

Porotrichum gracile* (Broth.) Ochyra, *comb. nov.

BASIONYM: *Porothamnium gracile* Broth., *Rev. Bryol.* **47**: 16. 1920.

Porotrichum obliquifolium* (Hornsch.) Ochyra, *comb. nov.

BASIONYM: *Pterobryon obliquifolium* Hornsch. in Mart., *Fl. Bras.* **1**(2): 56. 1840. ≡ *Thamnium obliquifolium* (Hornsch.) Broth. in Engl. & Prantl, *Nat. Pflanzenfam.* **1**(3): 860. 1906.

Porotrichum parvirete* (Broth.) Ochyra, *comb. nov.

BASIONYM: *Porothamnium parvirete* Broth., *Bryologist* **20**: 47. 1917.

Porotrichum subexplanatum* (Herzog) Ochyra, *comb. nov.

BASIONYM: *Porothamnium subexplanatum* Herzog, *Bibl. Bot.* **87**: 119, f. 47. 1916.

ACKNOWLEDGEMENTS. This study was partly financed through the statutory fund of the Institute of Botany

of the Polish Academy of Sciences and it also gained financial support from the Polish Ministry of Science and Higher Education through grant No. N N 303 469 338 for the author.

REFERENCES

- ALLEN B. 2010. Moss flora Central America. Part 3. Anomodontaceae–Symphyodontaceae. *Monogr. Syst. Bot. Missouri Bot. Gard.* **117**: i–x + 1–731.
- BUCK W. R. 1998. Pleurocarpous mosses of the West Indies. *Mem. New York Bot. Gard.* **82**: 1–400.
- BUCK W. R. 2003. Guide to the plants of Central French Guiana. Part 3. Mosses. *Mem. New York Bot. Gard.* **76**(3): 1–176.
- SASTRE-DE JESÚS I. 1987. A revision of the Neckeraceae Schimp. and Thamnobryaceae Marg. & Dur. in the neotropics. PhD Thesis, The City University of New York; printed in 1994 by xerographic processes by UMI Dissertation Services, Ann Arbor.

Received 10 June 2011