



Notes on Early Land Plants Today. 45. A correction

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Váňa *et al.* (2013) elevated *Anastrophyllum* subgen. *Schizophyllum* (Schuster 1969: 739) to generic rank as *Schizophyllum* (R.M.Schust.) Váňa & L.Söderstr. (2013: 16), overlooking the genus *Schizophyllum* Nuttall (1841: 452; Asteraceae) and, thereby creating an illegitimate later homonym. This is corrected here by publication of the new genus *Schizophyllopsis* and the transfer of all species of *Schizophyllum* (R.M.Schust.) Váňa *et al.* to that genus. Despite the generic name itself being illegitimate, names published under *Schizophyllum* (R.M.Schust.) Váňa & L.Söderstr. are legitimate under ICN Art. 55.1 (see below).

The format of this note follows what is outlined in Söderström *et al.* (2012) except that the Melbourne code of nomenclature (ICN; McNeill *et al.* 2012) is followed instead of the Vienna code (ICBN; McNeill *et al.* 2006).

Formal treatment

Schizophyllopsis Váňa et L.Söderstr., *gen. nov.*

Nom. nov. pro *Anastrophyllum* subgen. *Schizophyllum* R.M.Schust., *Hepat. Anthocerotae N. Amer.* 2: 739, 1969 (Schuster 1969).

Type:—*Anastrophyllum sphenoloboides* R.M.Schust.

≡ *Schizophyllum* Váňa et L.Söderstr., *Phytotaxa* 81: 16, (Váňa *et al.* 2013), *nom. illeg.* (ICN Art. 53.1; non Nutt. 1841, *Trans. Amer. Philos. Soc., n.s.* 7: 452, Asteraceae).

Schizophyllopsis aristata (Herzog ex N.Kitag.) Váňa et L.Söderstr., *comb. nov.*

Basionym:—*Anastrophyllum bidens* var. *aristatum* Herzog ex N.Kitag., *J. Hattori Bot. Lab.* 33: 216, 1970 (Kitagawa 1970).

Type:—BORNEO. Sarawak: Dulit Ridge, 1300 m, on tree-trunk, P. W. Richards 1908 (holotype JE!).

≡ *Schizophyllum aristatum* (Herzog ex N.Kitag.) Váňa et L.Söderstr., *Phytotaxa* 81: 16 (Váňa *et al.* 2013).

Schizophyllopsis bidens (Reinw., Blume et Nees) Váňa et L.Söderstr., *comb. nov.*

Basionym:—*Jungermannia bidens* Reinw., Blume et Nees, *Nova Acta Phys.-Med. Acad. Caes. Leop.-Carol. Nat. Cur.* 12: 208, 1825 [1824] (Reinwardt *et al.* 1824).

Type:—INDONESIA. Java (holotype STR, isotype W-Lindenb. Hep. 1618!).

≡ *Schizophyllum bidens* (Reinw., Blume et Nees) Váňa et L.Söderstr., *Phytotaxa* 81: 16 (Váňa *et al.* 2013).

Schizophyllopsis lanciloba (Steph.) Váňa et L.Söderstr., *comb. nov.*

Basionym:—*Anastrophyllum lancilobum* Steph., *Sp. Hepat. (Stephani)* 6: 107, 1917 (Stephani 1917).

Type:—TAHITI. Temarii, hb Levier 3161b. (holotype G-10890!, isotypes FH!, FI!).

≡ *Schizophyllum lancilobum* (Steph.) Váňa et L.Söderstr., *Phytotaxa* 81: 16 (Váňa *et al.* 2013).

Schizophyllopsis papillosa (J.J.Engel et Braggins) Váňa et L.Söderstr., *comb. nov.*

Basionym:—*Anastrophyllum papillosum* J.J.Engel et Braggins, *J. Bryol.* 20: 381, 1998 (Engel & Braggins 1998).

Type:—NEW ZEALAND. North Is.: Wellington Prov., Tongariro Natl. Park, Soda Springs, Mangatepopo Stream, N. E. of Whakapapa Village, 1350 m, Braggins 97/106B (holotype F, isotypes AK, CHR-558817).
≡ *Schizophyllum papillosum* (J.J.Engel et Braggins.) Váňa et L.Söderstr., *Phytotaxa* 81: 16 (Váňa *et al.* 2013).

Schizophyllopsis sphenoloboides (R.M.Schust.) Váňa et L.Söderstr., *comb. nov.*

Basionym:—*Anastrophyllum sphenoloboides* R.M.Schust., *Hepat. Anthocerotae N. Amer.* 2: 741, 1969 (Schuster 1969).
Type:—NW. GREENLAND. Kangerlugssuak, Inglefield Bay, RMS 45984 (F-1079638, isotypes C!, TNS!).
≡ *Schizophyllum sphenoloboides* (R.M.Schust.) Váňa et L.Söderstr., *Phytotaxa* 81: 17 (Váňa *et al.* 2013).

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References

- Engel, J.J. & Braggins, J.E. (1998) Austral Hepaticae. 27. The genus *Anastrophyllum* (Spruce) Steph. (Jungermanniales) in Australasia, with a synopsis of austral taxa. *Journal of Bryology* 20: 371–388.
- Kitagawa, N. (1970) Lophoziaceae of North Borneo. *Journal of the Hattori Botanical Laboratory* 33: 203–221.
- McNeill, J., Barrie, F.R., Buck, W.R., Demoulin, V., Greuter, W., Hawksworth, D.L., Herendeen, P.S., Knapp, S., Marhold, K., Prado, J., Prud'homme van Reine, W.F., Smith, G.F., Wiersema, J.H. & Turland, N.J. (2012) International Code of Nomenclature for algae, fungi and plants (Melbourne Code) adopted by the Eighteenth International Botanical Congress Melbourne, Australia, July 2011. *Regnum Vegetabile* 154: 1–240.
- McNeill, J., Barrie, F.R., Burdet, H.M., Demoulin, V., Hawksworth, D.L., Marhold, K., Nicolson, D.H., Prado, J., Silva, P.C., Skog, J.E., Wiersema, J.H. & Turland, N.J. (2006) International Code of Botanical Nomenclature (Vienna Code) adopted by the Seventeenth International Botanical Congress Vienna, Austria, July 2005. *Regnum Vegetabile* 146: 1–260.
- Nuttall, T. (1841) Descriptions of new species and genera of plants in the natural order of the Compositae, collected in a tour across the continent to the Pacific, a residence in Oregon, and a visit to the Sandwich Islands and upper California, during the years 1834 and 1835. *Transactions of the American Philosophical Society, n.s.* 7: 283–453.
- Reinwardt, C.G.C., Blume, C.L. & Nees von Esenbeck, C.G. (1824) Hepaticae Iavanicae, editae coniunctis studiis et opera. *Nova Acta Physico-medica Academiae Caesareae Leopoldino-Carolinae Naturae Curiosorum* 12 “1825”: 181–238.
- Schuster, R.M. (1969) *The Hepaticae and Anthocerotae of North America. vol. II.* Columbia University Press, New York, 1062 pp.
- Stephani, F. (1917) *Species Hepaticarum* 6. George & Cie, Genève & Bale, pp. 1–128.
- Váňa, J., Söderström, L., Hagborg, A. & von Konrat, M.J. (2013) Notes on Early Land Plants Today. 30. Transfer of some taxa from *Anastrophyllum* (Anastrophyllaceae, Marchantiophyta). *Phytotaxa* 81: 15–18.
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