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Notes on Early Land Plants Today. 56. Validation of *Asterella* sect. *Wallichianae* (Aytoniaceae, Marchantiophyta)

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Long (2005) presented an infrageneric classification of the genus *Asterella* Palisot de Beauvois (1805: 257) where five subgenera and four sections were recognized. Two of the sections were placed under subgen. *Wallichianae* Long (2001: 43), sect. *Californicae* Long (2005: 257) and sect. *Wallichianae* Long (2005: 257). However, since the latter section was not automatically defined as an autonym directly under the genus *Asterella*, it needed a Latin description which was missing. In order to be able to use the name in the forthcoming world checklist of Hornworts and Liverworts (Söderström *et al.*, *in prep.*), the section is validated here. Note that a Latin description is no longer needed under the current ICN (McNeill *et al.* 2012).

Asterella sect. *Wallichianae* D.G.Long, sect. nov.

Diagnosis:—Ventral scales with 1-2 appendages, involucre entire, spores brown or red-brown. A brief English description was also given in Long (2005: 257).

Type:—*Asterella wallichiana* (Lehm. et Lindenb.) Pandé, K.P.Srivast. et Sultan Khan ex Grolle, *Khumbu Himal*: 262, 1966 (Grolle 1966).

Basionym:—*Fimbraria wallichiana* Lehm. et Lindenb., *Nov. Stirp. Pug.* 4: 4, 1832 (Lehmann 1832), “*Fimbriaria*”.

≡ *Asterella* sect. *Wallichianae* D.G.Long, *J. Hattori Bot. Lab.* 97: 257, 2005 (Long 2005), *nom. inval.* (ICN Art. 39.1; no Latin description).

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References

- Grolle, R. (1966) Die Lebermoose Nepals. *Khumbu Himal, Ergebnisse des Forschungsunternehmens Nepal Himalaya* 1: 262–298.
http://dx.doi.org/10.1007/978-3-642-92914-4_5
- Lehmann, J.G.C. (1832) *Novarum et Minus Cognitarum Stirpium Pugilllus quartus quem Indici Scholarum in Gymnasio Academicico Hamburgiensem Anno Scholastico 1832 habendarum*. Meissner, Hamburg, 64 pp.
- Long, D.G. (2001) Studies on the genus *Asterella* (Aytoniaceae). V. Miscellaneous notes on Asiatic *Asterella*. *Lindbergia* 26: 43–45.
- Long, D.G. (2005) Studies on the genus *Asterella* (Aytoniaceae) VI: infrageneric classification in *Asterella*. *Journal of the Hattori Botanical Laboratory* 97: 249–261.
- 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.
- Palisot de Beauvois, A.M.F.J. (1805) *Asterella*. In: Cuvier, F. (Ed), *Dictionnaire des sciences naturelles dans lequel on traite méthodiquement des différents êtres de la nature*, fasc. 3. F. G. Levrault: Paris, pp. 257–258.