



Notes on Early Land Plants Today. 31. *Lophonardia* replaces *Hypolophozia* (Cephaloziellaceae, Marchantiophyta)

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Several segregates from *Lophozia* (Dumortier 1831: 53) Dumortier (1835: 17) *s. lat.* (e.g. *sensu* Schuster 1969) are now recognized as distinct genera. Bakalin elevated *Lophozia* subgen. *Hypolophozia* to *Hypolophozia* and transferred *Lophozia dusenii* as *Hypolophozia dusenii*.

Váňa in Engel & Gradstein (2003) synonymized *Lophonardia caespitosa* with *Lophozia laxifolia*, which is the type of the genus *Hypolophozia*. At the genus level *Lophonardia* has priority over *Hypolophozia*, so the former name has to be used. It should be noted that although heterotypic synonyms, both genera have the same “accepted” taxon as type.

Formal treatment

The format of this note follows what is outlined in Söderström *et al.* (2012).

Lophonardia R.M.Schust., *Phytologia* 39: 244, 1978. (Schuster 1978).

Type:—*Lophonardia caespitosa* R.M.Schust. (= *Lophonardia laxifolia* (Mont.) L.Söderstr. et Váňa).

Lophozia subgen. *Hypolophozia* R.M.Schust., Rev. Bryol. Lichénol. 34: 276, 1966 (Schuster 1966) **syn. nov.**

Type:—*Lophozia subinflata* (Spruce) R.M.Schust. 1966 (= *Lophonardia laxifolia* (Mont.) L.Söderstr. et Váňa).

≡ *Hypolophozia* (R.M.Schust.) Bakalin, *Monogr. Lophozia*: 38, 2005 (Bakalin 2005).

***Lophonardia jamesonii* (Mont.) L.Söderstr. et Váňa, comb nov.**

Basionym:—*Jungermannia jamesonii* Mont., *Syll. Gen. Sp. Crypt.*: 60, 1856. (Montagne 1856).

Lectotype (Gradstein *et al.* 1983):—ECUADOR. "In Andes Peruviae prope Quito: *Jameson*", (PC-Mont.!, isolectotype PC-Mont.!).

≡ *Andrewsianthus jamesonii* (Mont.) Váňa, *Acta Bot. Acad. Sci. Hung.* 29: 147, 1983 (Gradstein *et al.* 1983).

≡ *Jungermannia achroa* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 514, 1885 (Spruce 1885), *syn. in* Gradstein *et al.* (1983). Type:—ECUADOR. "in monte Tunguragua, 2200m", Spruce, (lectotype MANCH, isolectotype G-47605!) ≡ *Cephaloziopsis achrous* (Spruce) Schiffn., *Hepat.* [Engl.-Prantl]: 85, 1893 (Schiffner 1893). ≡ *Sphenolobus achrous* (Spruce) Steph., *Bull. Herb. Boissier ser. 2*, 2: 174 (*Spec. Hep.* 2: 166), 1902 (Stephani 1902b). ≡ *Andrewsianthus achrous* (Spruce) R.M.Schust., *Nova Hedwigia* 8: 207, 1964 (Schuster 1964).

≡ *Lophozia kilimanjarica* S.W.Arnell, *Ark. Bot.* 3 (16): 539, 1956 (Arnell 1956), *syn. in* Gradstein *et al.* (1983). Type:—TANZANIA., Kilimanjaro: above Marangu in the eriaceous belt, 3400 m, on moist, sloping ground in a small ravine South of Peter's hut, *O. Hedberg no. 1363d* (holotype UPS!). ≡ *Andrewsianthus kilimanjaricus* (S.W.Arnell) Grolle et Váňa, *J. Hattori Bot. Lab.* 48: 228, 1980 (Váňa 1980).

≡ *Lophozia stolonifera* R.M.Schust., *Phytologia* 39: 242, 1978 (Schuster 1978) **syn. nov.** Type:—VENEZUELA. Estado

Tachira: Paramo de Tama, 3130-3140 m., *R.M. Schuster & L. Ruiz-Teran 76-1944* (holotype F, *non vidi*). Note:—Schuster (2002: 281) discussed the relation to *Andrewsianthus jamesonii* and emphasized that the differences was in gemmae production saying that *Lophonardia jamesonii* lacks gemmae. However, the latter does produce gemmae regularly (cf. Gradstein *et al.* 1983).

Lophonardia laxifolia* (Mont.) L.Söderstr. et Váňa, *comb. nov.

Basionym:—*Sarcocyphos laxifolius* Mont., *Ann. Sci. Nat., Bot., ser. 3, 4:* 346, 1845 “*Sarcocyphus*” (Montagne 1845).

Lectotype (**here designated**):—CHILE. *Gay* (PC 6633!, islectotypes BM!, FH!, G-113588! [G-11071!]¹, S!).

- ≡ *Hypolophozia laxifolia* (Mont.) Váňa, *Mem. New York Bot. Gard.* 105: 64, 2013 (Váňa & Engel 2013).
= *Jungermannia opacula* Spruce, *J. Bot.* 19: 33, 1881 (Spruce 1881), **syn. nov.** Lectotype (**here designated**):—ECUADOR. "in saxis terra obtectis ad pedem montis Chimborazo austro-orientalem, alt. 2600 m. lecta", *Spruce* (MANCH, islectotype [G-18287!]). ≡ *Lophozia opacula* (Spruce) Steph., *Bull. Herb. Boissier ser. 2,* 2: 46 (*Spec. Hep.* 2: 146), 1902 (Stephani 1902a).
= *Jungermannia subinflata* Spruce, *Trans. & Proc. Bot. Soc. Edinburgh* 15: 513, 1885 (Spruce 1885), **syn.** in Gradstein (1999). Type:—ECUADOR. Tunguragua, 2400-3000 m., *Spruce*, (holotype MANCH) ≡ *Lophozia subinflata* (Spruce) R.M.Schust., *Rev. Bryol. Lichénol.* 34: 276, 1966 (Schuster 1966).
= *Jungermannia plicatula* Steph., *Hedwigia* 34: 50, 1895 (Stephani 1895), **syn. nov.** Type:—CHILE. Valdivia: 1887/1888, *D. Hahn, Herb. Jack* (holotype G-60998 [=G-11059!]). ≡ *Lophozia plicatula* (Steph.) Steph., *Bull. Herb. Boissier ser. 2,* 1: 1146 (*Spec. Hep.* 2: 129), 1901 (Stephani 1901a).
= *Jungermannia hahnii* Steph., *Hedwigia* 34: 50, 1895 (Stephani 1895), **syn. nov.** Type:—CHILE, Valdivia: 1887/1888, *D. Hahn, Herb. Jack* (holotype [G-18282!]). ≡ *Lophozia hahnii* (Steph.) Steph., *Bull. Herb. Boissier ser. 2,* 1: 1145 (*Spec. Hep.* 2: 137), 1901 (Stephani 1901b).
= *Lophozia dusenii* Steph., *Bih. Kongl. Svenska Vetensk.-Akad. Handl.* 26 (III,6): 24, 1900 (Stephani 1900), **syn.** in Grolle (1964). Lectotype (Grolle 1964):—CHILE. Rio Aysén, *Dusén 455* (G-69807 [=G-18278]) ≡ *Hypolophozia dusenii* (Steph.) Bakalin, *Monogr. Lophozia:* 39, 2005 (Bakalin 2005).
= *Sphenobolus argentinus* Steph. 1902, *Bull. Herb. Boissier ser. 2,* 2: 166 (*Spec. Hep.* 2: 158), 1902 (Stephani 1902b), **syn.** in Váňa & Engel (2013). Type:—ARGENTINA. *Lorentz* (holotype G-69818 [=G-18276!]) ≡ *Lophozia argentina* (Steph.) R.M.Schust., *Rev. Bryol. Lichénol.* 34: 276, 1966 (Schuster 1966).
= *Lophonardia caespitosa* R.M.Schust., *Phytologia* 39: 244, 1978. Type:—VENEZUELA. Estado Merida: Sierra Nevada de Merida, above Merida, above Loma Redonda station of the Teleferico, in sheltered isolated *Polylepis sericea* bosque, 4130 m, February 1976, *R.M.Schuster & L. Ruiz-Teran 76-1458* (holotype F, isotype MERF!).
= *Lophozia aenigmatica* R.M.Schust. *Beih. Nova Hedwigia* 119: 274, 2002 (Schuster 2002) *nom. inval.* (Art. 36,1; no Latin description). Original material:—VENEZUELA. Sierra de Santo Domingo, 3750 m, *RMS & L. Ruiz-Teran 76-904*.

Lophonardia tristaniana* (S.W.Arnell) L.Söderstr. et Váňa, *comb. nov.

Basionym:—*Jungermannia tristaniana* S.W.Arnell, *Results Norweg. Sci. Exped. Tristan da Cunha* 42: 12, 1958 (Arnell 1958).

Type:—TRISTAN DA CUNHA. No. 788 (type), above Burntwood, 1200 m., together with *Schistochila splachnophylla* etc. (holotype O!, isotypes JE!, S!, UPS!).

≡ *Hypolophozia tristaniana* (S.W.Arnell) Váňa et J.J.Engel, *Mem. New York Bot. Gard.* 105: 64, 2013 (Váňa & Engel 2013).

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1. Citation of specimens in G should preferably use the barcode (M. Price, pers. comm.) but for comparability the numbers printed on the specimen, which have often been cited by previous authors, are also given here in square brackets.

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