



Notes on Early Land Plants Today. 71. New synonyms, new names and new combinations in Lejeuneaceae (Marchantiophyta)

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For the coming checklist of hornworts and liverworts (Söderström *et al.*, *in press*) a few validations, transfers and synonymizations in the family Lejeuneaceae are still required.

Papillolejeunea Pócs (1997: 2) was described to include four species and Pócs & Eggers (1999) added another two species all endemic to New Guinea. Schuster (1998) reduced the genus to a subgenus under *Lejeunea* Libert (1820: 373), transferred the four known species and described a new species, *Lejeunea pocsii* Schuster (1998: 84) from New Zealand. The latter species was synonymized with *Lejeunea helmsiana* (Stephani 1896: 89) Stephani (1915: 796) in subg. *Lejeunea* by Renner *et al.* (2009). The two species described by Pócs & Eggers (1999) remain to be transferred to *Lejeunea*.

Prionocolea (Schuster 1978: 430) Schuster (1992: 277) is a not validly published name as the “basionym” is invalid. When Schuster (1978) described *Cyclolejeunea* subg. *Prionocolea* R.M.Schust. he did so by a “subgeneric-specific” description. Combined descriptions are only allowed as generic-specific descriptions (ICN Art. 38.5) and *Cyclolejeunea* subg. *Prionocolea* and all names based on this are invalid. Grolle (1984) transferred *Prionocolea* to *Lejeunea* subg. *Prionocolea* (Grolle 1984: 763) without noticing that the “basionym” was not validly published. Grolle (1984) did not transfer any of the species described in the genus, but neither species is validly published as the genus is invalid. Furthermore, both species need new names in *Lejeunea* as the specific epithets already are used in the genus.

A few illegitimate homonyms are also given new names and a few new synonyms are proposed.

Formal treatment

The format of this note follows Söderström *et al.* (2012) except that we are following McNeill *et al.* (2012) for nomenclatural problems.

Cheilolejeunea rigidula (Nees ex Mont.) R.M.Schust., *Castanea* 36: 105, 1971 (Schuster 1971). Basionym:—*Lejeunea rigidula* Nees ex Mont., *Ann. Sci. Nat. Bot. (sér. 2)* 14: 336, 1840 (Montagne 1840). Type:—FRENCH GUIANA. Mont Serpent. *Leprieur* 257 (PC-Mont. No. 3655 lectotype; NY, isolectotype).

= *Cheilolejeunea breuteliana* Steph., *Hedwigia* 34 (5): 240, 1895 (Stephani 1895b), *syn. nov.* Type:—ST. KITTS. *Breutel* (JE-04001062, lectotype **here designated** [or possibly holotype, cf. McNeill (2014)]; G-00069748, isolectotype). Note:—The lectotype was annotated as synonymous with *Cheilolejeunea rigidula* by R. Grolle in 1977 but we have not found this synonymy published anywhere.

Cheilolejeunea trifaria (Reinw., Blume et Nees) Mizut., *J. Hattori Bot. Lab.* 27: 132, 1964 (Mizutani 1964). Basionym:—*Jungermannia trifaria* Reinw. et al., *Nova Acta Phys.-Med. Acad. Caes. Leop. - Carol. Nat. Cur.* 12: 226, 1825 (Reinwardt *et al.* 1825). Type:—INDONESIA. Java: Specific locality unknown, *Blume s.n. & s.d.* (L,