

Notes on Early Land Plants Today*. 92. *Lejeunea trinitensis* var. *varians* (Herzog) comb. nov.

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Notes on Early Land Plants Today*. 92. *Lejeunea trinitensis* var. *varians* (Herzog) comb. nov.

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Introduction

Cheilolejeunea pililoba (Spruce) A. Evans f. *varians* Herzog was described in 1951 (Herzog 1951) and transferred to *Rectolejeunea pililoba* (Spruce) R. M. Schust. var. *varians* (Herzog) R. M. Schust. (Schuster 1980) with just a short description of the differences with var. *pililoba* as the reasons to elevate the forma to variety status. *Cheilolejeunea pililoba* was synonymized with *Lejeunea trinitensis* Lindenb. by Grolle (1981) but the variety was not mentioned. Reiner-Drehwald and Grolle (2012) accepted the synonymy but treated the variety as a doubtful name as they did not see the type. However, type material exists in Herbarium Haussknecht (JE), and possibly at other places as the collector, P. C. Standley, was stationed in Smithsonian Institute (US) at that time and often distributed duplicates to other herbaria. Thus, Söderström and Hentschel (2023) formally selected the JE specimen as lectotype.

The lectotype is close to *Lejeunea trinitensis* s. str. but differs in some aspects, as described by Herzog (1951). The lobules are reduced, the underleaves are enlarged but with a reduction of the their lobes and only androecia were seen. According to Herzog (1951) it is not clear whether this represents only a suppression of the female gametangia or not. *Lejeunea trinitensis* s.str. is strictly autoicous with typical lobules. With those differences we think it may be worth to recognize this taxon as a variety of *Lejeunea trinitensis* pending further studies of this species.

Formal treatment

Lejeunea trinitensis Lindenb. var. *varians* (Herzog) B.Cañiza, comb. nov.

Basionym: *Cheilolejeunea pililoba* (Spruce) A.Evans f. *varians* Herzog, Rev. Bryol. Lichénol. 20(1/2): 167, 1951 (Herzog 1951). Lectotype (Söderström and Hentschel 2023:00): Honduras, Atlántida, Lancetilla Valley, near Tela, altitude 20–600 m a.s.l., 6 Dec. 1927–20 Mar. 1928, Standley 55577 (JE04010835 <https://je.jacq.org/JE04010835>).

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≡ *Rectolejeunea pililoba* (Spruce) R.M.Schust. var. *varians* (Herzog) R.M.Schust., *Hepat. Anthocerotae* N. Am. 4: 1156, 1980 (Schuster 1980).

Note: this combination also creates the autonym.

Distribution: only known from the type specimen.

References

- Grolle, R. 1981. *Miscellanea hepaticologica* 211–220. – J. Hattori Bot. Lab. 49: 85–92.
- Herzog, T. 1951. *Hepaticae standleyanae costaricensis et hondurensis*. Pars II. – *Rev. Bryol. Lichénol.* 20: 126–175. <https://www.biodiversitylibrary.org/item/281545>
- Reiner-Drehwald, M. E. and Grolle, R. 2012. Review of the genus *Rectolejeunea* (Lejeuneaceae, Marchantiophyta). – *Nova Hedwig.* 95: 451–482. <https://doi.org/10.1127/0029-5035/2012/0063>
- Schuster, R. M. 1980. *The Hepaticae and Anthocerotae of North America*. IV. – Columbia Univ. Press.
- Söderström, L. and Hentschel, J. 2023. Notes on Early Land Plants Today. 91. Types and original material of liverworts (Marchantiophyta) in Herbarium Haussknecht (JE) collected in Central America. – *Lindbergia* 46: linbg.25015.