

Notes on Early Land Plants Today*. 82. Frullanoides chinantlana (Gottsche) comb. nov., an older name for Frullanoides tristis (Steph.) van Slageren

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Notes on Early Land Plants Today*. 82. *Frullanoides chinantlana* (Gottsche) comb. nov., an older name for *Frullanoides tristis* (Steph.) van Slageren

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Frullanoides tristis (Steph.) van Slageren is a well-established taxon and the name has been used frequently since the revision of the genus by van Slageren (1985). But there is a nomenclature problem with the name as van Slageren (op. cit.) used *Lejeunea* (subg. *Brachiolejeunea*) *tristis* Steph., *Hedwigia* 29(1): 8, 29(3): 134, 1890, as basionym. However, as Söderström et al. (2015) showed, it is unclear if Stephani (1890a, b) recognized Spruce's subgenera as genera or not at that point and Söderström et al. (2016) proposed to place the publication in the list of suppressed works (ICN2018 Art. 34 and Appendix VI; Turland et al. 2018). It is thus to be regarded as an invalid name. Stephani (1912) used the name *Brachiolejeunea tristis* clearly pointing back on his 1890 treatment, and thus validated the name.

Phragmicoma bicolor γ chinantlana was described by Gottsche (1863) and first combined at species level as *Brachiolejeunea chinantlana* (Gottsche) Schiffn. by Schiffner (1894). Thus, it is the oldest name at species level. This taxon was synonymized with *Frullanoides tristis* by van Slageren (1985) which he due to using the old invalid basionym, used as the oldest name and combined it in *Frullanoides*. However, as 'chinantlana' is an older name and lacking combination in *Frullanoides* a new combination is needed.

Formal treatment

Frullanoides chinantlana (Gottsche) L.Söderstr. et A.Hagborg, comb. nov.

Basionym: *Phragmicoma bicolor γ chinantlana* Gottsche, Mexik. Leverm.: 172, 1863 (Gottsche 1863).

Type: 'Varieteten γ fandt Liebmann i Districtet Chinantla i Mai med moden Frugt (Hb. Liebm. n. 456 b)'.

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Lectotype (van Slageren 1985: 110 as 'holotype'): Mexico, Chinantla, V 1841, Liebmann 456b (C), isolectotypes FH-Schiffner, G20100, S, W-hb. Lindenb. 5957. Material in B destroyed.

= *Frullanoides tristis* (Steph.) van Slageren, Meded. Bot. Mus. Herb. Rijks Univ. Utrecht 544: 110, 1985 (van Slageren 1985), syn. *fide* van Slageren (1985).

Basionym: *Brachiolejeunea tristis* Steph., Sp. Hepat. (Stephani) 5: 112, 1912 (Stephani 1912), based on *Brachiolejeunea tristis* Steph., Hedwigia 29(1): 8, 1890 (Stephani 1890a).

For other synonyms, see van Slageren 1985.

Data availability statement

There are no additional data for this paper

References

- Gott sche, C. M. 1863. De Mexikanske Levermosser. – Bianco Lunos, 285 pp. <https://plants.jstor.org/stable/10.5555/al.ap.visual.nymlc03101#>.
- Schiffner, V. 1894. Revision der Gattungen *Bryopteris*, *Thysananthus*, *Ptychanthus* und *Phragmiconia* im Herbarium des Berliner Museums. – Hedwigia 33: 170–189. www.biodiversitylibrary.org/item/13876#page/218/mode/1u.
- Söderström, L., Stotler, R.E., Gradstein, S.R., Barrie, F.R., Hagborg, A., Crandall-Stotler, B.J. and von Konrat, M. 2015. Notes on Early Land Plants Today. 73. Genera of Lejeuneaceae established in the period 1884–1893: dates of validation and implications. — Phytotaxa 220: 143–198.
- Söderström, L., Hagborg, A., Berrie, F.R., Crandall-Stotler, B.J., Gradstein, S.R. and von Konrat, M. 2016. Proposals to suppress works (23–24) Proposals to add Stephani in Hedwigia 27: 276–302. 1888, and Stephani in Hedwigia 29: 1–23, 68–99, 133–142. 1890, to the list of suppressed works for new generic names in Appendix VI – Taxon 65: 1180.
- Stephani, F. 1890a. Die Gattung *Lejeunea* im Herbarium Lindenberg. – Hedwigia 29: 1–23.
- Stephani, F. 1890b. Die Gattung *Lejeunea* im Herbarium Lindenberg (Schluss). – Hedwigia 29: 133–142.
- Stephani, F. 1912. Species hepaticarum 5. – George & Cie, pp. 1–176.
- Turland, N. J., Wiersema, J. H., Barrie, F. R., Greuter, W., Hawksworth, D. L., Herendeen, P. S., Knapp, S., Kusber, W.-H., Li, D.-Z., Marhold, K., May, T. W., McNeill, J., Monro, A. M., Prado, J., Price, M. J. and Smith, G. F. 2018. International Code of Nomenclature for algae, fungi, and plants (Shenzhen Code). – Regnum Veg. 159: 1–254.
- van Slageren, M. 1985. A taxonomic monograph of the genera *Brachiolejeunea* and *Frullanoides*. – Meded. Bot. Mus. Herb. Rijks Univ. Utrecht 544: 7–205.