

NOTES ON EARLY LAND PLANTS TODAY* 86. *TRICHOCOLEA WATTSIANA*, AN EARLIER NAME FOR *TRICHOCOLEA HATCHERI* AND SOME TECHNICAL LECTOTYPIFICATIONS

***Tomoyuki Katagiri*^{1, 2}, *Anders Hagborg*³ & *Lars Söderström*^{4*}**

¹Kochi University, Faculty of Science and Technology, Department of Biological Sciences, 2-5-1 Akebono-cho, Kochi, Kochi 780-8520, Japan; ²Hattori Botanical Laboratory, Obi 6-1-26, Nichinan City, Miyazaki 889-2535, Japan; ³Gantz Family Collections Center, The Field Museum, Chicago, IL, USA; ⁴Department of Biology, Norwegian University of Science and Technology, Trondheim, Norway;

*E-mail: lars@elpt.info

Katagiri (2018) synonymized *Trichocolea minutifolia* and *Trichocolea wattiana* under the name *Trichocolea hatcheri* E.A.Hodgs. overlooking the fact that *Trichocolea hatcheri* is a younger name. *Trichocolea minutifolia* and *Trichocolea wattiana* were both published in the same paper (Stephani and Watts 1914) and one of them should have been selected. *Trichocolea wattiana* has richer type material, so we here select that as the name to be used for this species.

For two of the names Katagiri (2018) cited the type as “holotype” although the describing author did not select a holotype and there exists type material in more than one herbarium. As it is after the 1 January 2001, it is too late for the “holotype” of Katagiri (2018) to be corrected to lectotype (cf. ICN Art. 7.10, Turland *et al.* 2018). Thus, we here correct this and formally designate the same specimens as new lectotypes.

We dedicate this note to the eminent bryologist Tamás Pócs on the occasion of his 90th birthday.

*Notes on Early Land Plants Today is a series of mainly nomenclatural and taxonomic notes published by the ELPT project together with its invited collaborators.



Formal treatment

- Trichocolea wattsiana*** Steph., *J. & Proc. Roy. Soc. New South Wales* 48: 135. 1914 (Stephani and Watts 1914). Original citation: “*Hab.* Australia (Wyong): Watts, 986”. Lectotype (here designated): Australia. New South Wales, Wyong, gully near Kingwell, August 1910, *Watts* 946 (“986” in the protologue), *Stephani herb. no.* 9845 (G00113432 <https://www.ville-ge.ch/musinfo/bd/cjb/chg/adetail.php?id=146033&lang=en>; isolectotype NSW). Note: We interpret “986” in the protologue as an error in print.
- = *Trichocolea elegans* Colenso, *Trans. & Proc. New Zealand Inst.* 20: 251. 1888 (Colenso 1888). *nom. illeg.* (ICN2018 Art. 53.1, *hom. illeg.*, non *Trichocolea elegans* Lehm. ex De Not., *Jungerm. Amer. Pug.*: 226. 1855). Lectotype (Katagiri 2016): New Zealand, North Island, Hawkes Bay County, Glenross, Oct. 1887, *Balfour* 1105 (BM-001226402).
≡ *Trichocolea tomentella* var. *minor* Steph., *J. Linn. Soc., Bot.* 29: 276. 1892 (Stephani 1892).
- = *Trichocolea minutifolia* Steph., *J. & Proc. Roy. Soc. New South Wales* 48: 134. 1914 (Stephani and Watts 1914). Original citation: “*Hab.* Australia (Wyong): Watts legit, 950”. Lectotype (here designated): Australia. New South Wales, Wyong, gully near Kingwell, August 1910, *Watts* 950, *Stephani herb. no.* 9764 (G00120723 <https://www.ville-ge.ch/musinfo/bd/cjb/chg/adetail.php?id=162905&lang=en>; isolectotype in NSW).
- = *Trichocolea hatcheri* E.A.Hodgs., *Trans. Roy. Soc. New Zealand, Bot.* 3: 69. 1965 (Hodgson 1965). Holotype: New Zealand, North Island, Eastern Volcanic Plateau Ecological Region, Kaingaroa Ecological District, Roto-Kui Bush, east of Taupo, 8 December 1934, *Allison* 7558 (holotype MPN-36860).
- = *Trichocolea novaezealandiae* R.M.Schust., *J. Hattori Bot. Lab.* 26: 265. 1963 (Schuster 1963). *nom. inval.* (ICN2018 Art. 39.1, no Latin description)
- = *Trichocolea mollissima* auct. non (Hook.f. & Taylor) Gottsche. *Trans. Roy. Soc. New Zealand* 85: 242. 1958 (Hatcher 1958).
- = *Trichocolea pluma* auct. non (Reinw., Blume & Nees) Mont. *Names and Distribution of Queensland Plants, Algae and Lichens*: 227. 2002 (Bolin and Henderson 2002).

REFERENCES

- BOLIN, A. & HENDERSON, R.J.F. (2002). *Plantae, liverworts and hornworts*. in: HENDERSON, R.J.F. (ed.): Names and distribution of Queensland plants, Algae and Lichens, pp. 222–227.
- COLENZO, W. (1888). On new indigenous cryptogams of the orders Lycopodiaceae, Musci and Hepaticae. *Transaction & Proceedings of the New Zealand Institute* **20**: 234–254.
- HATCHER, R.E. (1958). The genus *Trichocolea* in New Zealand. *Transactions of the Royal Society of New Zealand* **85**: 237–246.
- HODGSON, E.A. (1965). New Zealand Hepaticae (Liverworts) – XVI. A miscellany of new genera, new species and notes, Part I. *Transactions of the Royal Society of New Zealand, Botany* **3**(4): 67–97.
- KATAGIRI, T. (2016). On the type specimen of *Trichocolea elegans* Colenso (Trichocoleaceae, Marchantiophyta). *Hikobia* **17**(2): 109–112.
- KATAGIRI, T. (2018). Studies on type material of *Trichocolea minutifolia* and *T. wattiana* (Trichocoleaceae) from Australia. *Hattoria* **9**: 31–40. https://doi.org/10.18968/hattoria.9.0_31
- SCHUSTER, R.M. (1963). Studies on antipodal Hepaticae. I. Annotated key to the genera of antipodal Hepaticae with special reference to New Zealand and Tasmania. *Journal of the Hattori Botanical Laboratory* **26**: 185–309.
- STEPHANI, F. (1893) [1892]. A revision of Colenso's Hepaticae with descriptions of new species collected by him. *Journal of the Linnean Society, Botany* **29**: 263–280.
- STEPHANI, F. & WATTS, W.W. (1914). Hepaticae australes. *Journal & Proceedings of the Royal Society of New South Wales* **48**(1–2): 94–135.
- 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. & SMITH, G.F. (2018). International Code of Nomenclature for algae, fungi, and plants (Shenzhen Code). *Regnum Vegetabile* **159**: 1–254. <https://doi.org/10.12705/Code.2018>

(submitted: 13.01.2023, accepted: 06.04.2023)