

SHORT COMMUNICATION

***Rhaphidospora platyphylla* (S.Moore) Bremek. ex A.R.Bean (Acanthaceae), a new combination for a species from Australia and New Guinea**

A.R. Bean

Queensland Herbarium, Department of Science, Information Technology & Innovation, Brisbane Botanic Gardens, Mt Coot-tha Road, Toowong, Queensland 4066, Australia. Email: Tony.Bean@dsiti.qld.gov.au

Rhaphidospora Nees (Acanthaceae) is represented in Australia by three species, although only two (*R. bonneyana* (F.Muell.) R.M.Barker and *R. cavernarum* (F.Muell.) R.M.Barker) were recognised by Barker (1986). Two species occur on Cape York Peninsula, Queensland (*R. cavernarum* and a second newly recognised here). One specimen of this second species (*Hann 356*) was identified as *R. cavernarum* (Barker 1986), but it is now clear that this and other material from Cape York Peninsula matches the type of *Justicia platyphylla* S.Moore, described from Papua New Guinea.

In a paper describing new species of Acanthaceae from New Guinea, Bremekamp (1957) mentioned that *Justicia platyphylla* S.Moore rightfully belonged in *Rhaphidospora*, and he coined the name *Rhaphidospora platyphylla* (S.Moore) Bremek. at that time. This name has been used in various plant name databases (e.g. IPNI 2017; The Plant List 2017) in recent years. However, the combination was not validly made, because Bremekamp failed to give the full bibliographic reference for the place of publication of the basionym. This is a requirement for all combinations made after the 1st January 1953 (McNeill *et al.* 2012, Art. 41.5). The combination is here validated.

***Rhaphidospora platyphylla* (S.Moore) Bremek. ex A.R.Bean, comb. nov.; *Justicia platyphylla* S.Moore, *J. Bot.* 58: 193 (1920). **Type:** Papua New Guinea. CENTRAL PROVINCE: Astrolabe Range, 1 August 1918, *C.T. White 270* (holo: BM, image seen; iso: BRI).**

Additional specimens examined: Queensland. COOK DISTRICT: Chuula outstation, Kaanju nation, Central Cape York, Jun 2007, *Smith 5209 & Nelson* (BRI); Round Mountain, Embley Range, Jun 1992, *Forster PIF10482 & Tucker* (AD, BRI, K, L, MEL); Round Mountain, Embley Range, Jul 1997, *Forster PIF21344 et al.* (BRI, CNS); Bathurst Range, 19 km SSE of Bathurst Head, 55.8 km NE of Lakefield Ranger Base, catchment of Barrumundi Creek, Jul 1994, *Fell DGF4496 et al.* (BRI); NPR 166, Black Mountain, Helenvale road, Mar 2001, *Ford AF2648 & Holmes* (AD, BRI, NSW).

Acknowledgements

I thank David Halford for bringing this matter to my attention.

References

- BARKER, R.M. (1986). A taxonomic revision of Australian Acanthaceae. *Journal of the Adelaide Botanic Gardens* 9: 1–286.
- BREMEKAMP, C.E.B. (1957). A new *Staurogyne* (Scrophulariaceae) and some new Acanthaceae from New Guinea. *Nova Guinea, new series* 8: 129–155.
- IPNI (2017). *The International Plant Names Index*. Harvard University Herbaria, Royal Botanic Gardens Kew & Australian National herbarium. <http://www.ipni.org/index.html>, accessed 7 April 2017.
- MCNEILL, J., BARRIE, F.R., BUCK, W.R., DEMOULIN, V., GREUTER, W., HAWKSWORTH, D.L., HERENDEEN, P.S., KNAPP, S., MARHOLD, K., PRADO, J., PRUD'HOMME VAN REINE, W.F., SMITH, G.F., WIERSEMA, J.H. & TURLAND, N.J. (2012). *International Code of Nomenclature for algae, fungi and plants (Melbourne Code)*. <http://www.iapt-taxon.org/nomen/main.php?page=title>, accessed 4 April 2017.
- THE PLANT LIST (2017). *The Plant List*, Version 1.1. Royal Botanic Gardens Kew & Missouri Botanical Garden. <http://www.theplantlist.org/>, accessed 7 April 2017.