

LECTOTYPIIFICATION OF GENIOSTOMA PETIOLOSUM (LOGANIACEAE)

by

BARRY J. CONN*

ABSTRACT

The upper specimen of MEL 640125 (Moore 47) is here chosen as the lectotype of *Geniostoma petiolosum* C. Moore & F. Muell. and the authorship of this species is discussed.

INTRODUCTION

In my revision of *Geniostoma* (Conn 1980) I discussed the two syntypes of *Geniostoma petiolosum* (viz. C. Moore 38 and 47). Since Moore was the Director (1848–1896) of the botanical gardens [now Royal Botanic Gardens] at Sydney (Stafleu & Cowan 1981) I expected to find the syntypes at NSW. However, they were not found prior to publication of my revision and were presumed to have been mis-placed (Conn 1980, p. 344). Since then, a thorough search of the NSW collections has failed to locate these specimens. Subsequently, Dr R. Hoogland (*in litt.*) informed me that 'In many cases Moore did not retain specimens in Sydney [NSW]' of the collections he had made from Lord Howe Island. Furthermore, many collections prior to the 1920's with NSW labels (not only from Lord Howe Island) can be found at other herbaria (e.g. A, BM, G, K, L, MEL, NY, P, UC, W, Z) without a duplicate specimen at NSW. Therefore, it is assumed that NSW does not have duplicates of the syntypes of *G. petiolosum*. However, specimens of Moore 38 & 47 have been located at K and MEL (Conn 1980).

LECTOTYPIIFICATION

Moore 38 is a sterile collection whereas Moore 47 is a fruiting one. In the protologue, Moore and Mueller (in Mueller 1869, p. 28) describe the fruit and clearly state that they did not have flowering material ('Fructus 4-5''' longi'. 'Corolla et genitalia ignota'). Moore 47 is in close agreement with the protologue and so the upper specimen of the MEL sheet of this collection is here chosen as the lectotype of *G. petiolosum* C. Moore & F. Muell.

Geniostoma petiolosum C. Moore & F. Muell., in F. Muell., *Fragm. Phytogr. Austr.* 7:28 (1869); F. Muell., *Fragm. Phytogr. Austr.* 9:193 (1875); Val., *Bull. Jard. Bot. Buitenzorg* 12:16 & 18 (1902); Conn, *Blumea* 26:343 & 344, Figs. 19F-J (1980). TYPE: 'In insula Lord Howe's Island; C. Moore'. LECTOTYPE (here chosen): C. Moore 47, s. dat. [-.vii.1869† (Anonymous 1958)], 'Hab. Howe's Island. Large shrub, 10 to 15 feet' (MEL 640125 pp., upper specimen). ISOLECTOTYPE: (K; MEL 640125 pp., lower specimen). OTHER SYNTYPES: C. Moore 38, s. dat. [-.vii.1869†], 'Hab. Howe's Island. Small shrub of 4 to 6 feet' (K; MEL 640126).

DISCUSSION OF AUTHORSHIP

F. Mueller described several species based on C. Moore's Lord Howe Island collections and a number of species were published under joint authorship. Hoogland (*in litt.*) suggests that the descriptions were all by Mueller only. He also suggests that Mueller included C. Moore as a joint author, in appreciation of Moore's collections on which the

*National Herbarium of Victoria, Birdwood Avenue, South Yarra, Victoria 3141.

†The collection date of Moore 38 & 47 was incorrectly cited (typographical error) as '-.xii.1869' in Conn (1980, p. 343).

Muelleria 5(4): 263-264 (1984).

various new species were based. Since this was frequently the custom of the last century, it is likely that Hoogland's interpretation is correct. However, it is clear that Mueller intended to co-author these various species (in particular *G. petiolosum*) with Moore (e.g. Mueller 1889). According to the "Australian Encyclopaedia" (Anonymous 1958, p. 143) 'He [C. Moore] collaborated with Baron von Mueller . . . in describing several of the unusual plants found there [Lord Howe Island]'. Unfortunately we are unable to evaluate the extent of this collaboration because most of Mueller's official correspondence was destroyed about 1934 during the shift from the old Botanical Museum to the present building of the National Herbarium of Victoria (Pescott, 1982). Since there is no supplementary evidence contemporaneous with Moore's collections to prove otherwise, the protologue must be accepted. Therefore C. Moore and F. Mueller are regarded as joint authors of *Geniostoma petiolosum*.

ACKNOWLEDGEMENTS

I extend my sincere thanks to Dr R. Hoogland for his valuable information on the collections of C. Moore.

REFERENCES

- Anonymous (1958). In Chisholm, A. H. (ed.) 'Australian Encyclopaedia', vol. 6, p. 143 (Angus & Robertson: Sydney).
- Conn, B. J. (1980). A taxonomic revision of *Geniostoma* subg. *Geniostoma* (Loganiaceae). *Blumea* 26:245-364.
- Mueller, F. J. H. (1869). 'Fragmenta Phytographiae Australiae', vol. 7, pp. 28 & 29 (Government Printer: Melbourne).
- Mueller, F. J. H. (1889). 'Second Systematic Census of Australian Plants. Part I. Vasculares'. (McCarron, Bird & Co.: Melbourne).
- Pescott, R. T. M. (1982). 'The Royal Botanic Gardens Melbourne. A History from 1845 to 1970'. (Oxford Univ. Press: Melbourne).
- Stafleu, F. A. & Cowan, R. S. (1981). Taxonomic literature. Vol. III:Lh-O. *Reg. Veg.* 105:567-568.