

Bryophyte flora of the Huon Peninsula, Papua New Guinea. LXXV. *Bryomaltaea*, *Codonoblepharon* and *Zygodon* with comments on *Leptodontiopsis* and *Orthotrichum* (Orthotrichaceae, Musci)

DANIEL H. NORRIS, TIMO KOPONEN AND JAMES R. SHEVOCK

Daniel H. Norris, University Herbarium, 1001 Valley Life Sciences Bldg., University of California, Berkeley, CA 94720, USA

Timo Koponen, Finnish-Chinese Botanical Foundation, Mailantie 109, FI-08800 Lohja, Finland, and: Finnish Museum of Natural History LUOMUS, Botany Unit (Bryology), P.O. Box 7, FI-00014, University of Helsinki, Finland

James R. Shevock, Department of Botany, California Academy of Sciences, 55 Music Concourse Dr., Golden Gate Park, San Francisco, CA 94118, USA

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In Western Melanesia the subfamily Zygodontoideae of the Orthotrichaceae has four genera and six species: *Bryomaltaea* Goffinet & Vitt with *B. obtusifolia* (Hook.) Goffinet, *Codonoblepharon* Schwägr. with *C. novo-guinensis* (E.B. Bartram) Matcham & O’Shea, *Leptodontiopsis* Broth. in Mildbr. with *L. orientalis* Dixon, and *Zygodon* Hook. & Tayl. with *Z. intermedius* A. Braun ex Bruch & Schimp., *Z. reinwardtii* (Hornsch.) A. Braun in Bruch & Schimp. and *Z. tetragonostomus* Bruch & Schimp. Orthotrichoideae, in addition to *Ulota* Mohr, has *Orthotrichum* Hedw. with three species, *O. brassii* E.B. Bartram, *O. hooglandii* E.B. Bartram and *O. schoddei* Lewinsky. *Zygodon skujae* Malta is synonymized with *Z. intermedius*. *Z. tetragonostomus* is reported as new to New Guinea. The classification and taxonomy of the Orthotrichaceae and the subfamily Zygodontoideae are discussed. Specific descriptions are provided except for *Orthotrichum* and *Leptodontopsis* which are dealt with synoptically. The paper includes keys to the species and distributional and habitat data for the species in Western Melanesia, as well as nomenclatural notes and range descriptions. The altitudinal ranges of the species of *Zygodon* on the Huon Peninsula are mapped. The quality of available illustrations for these genera in previous works is very high, we therefore reference the publications where such can be found.

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