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Studies on *Schismatoglottideae* (Araceae) of Borneo XXX – New species and combinations for *Bucephalandra*

Abstract

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Nineteen new species of *Bucephalandra* Schott are described: *B. akantha* S. Y. Wong & P. C. Boyce, sp. nov., *B. aurantiithecica* S. Y. Wong & P. C. Boyce, sp. nov., *B. belindae* S. Y. Wong & P. C. Boyce, sp. nov., *B. bogneri* S. Y. Wong & P. C. Boyce, sp. nov., *B. chimaera* S. Y. Wong & P. C. Boyce, sp. nov., *B. chrysokoupa* S. Y. Wong & P. C. Boyce, sp. nov., *B. diabolica* S. Y. Wong & P. C. Boyce, sp. nov., *B. forcipula* S. Y. Wong & P. C. Boyce, sp. nov., *B. goliath* S. Y. Wong & P. C. Boyce, sp. nov., *B. kerangas* S. Y. Wong & P. C. Boyce, sp. nov., *B. kishii* S. Y. Wong & P. C. Boyce, sp. nov., *B. minotaur* S. Y. Wong & P. C. Boyce, sp. nov., *B. oncophora* S. Y. Wong & P. C. Boyce, sp. nov., *B. pubes* S. Y. Wong & P. C. Boyce, sp. nov., *B. sordidula* S. Y. Wong & P. C. Boyce, sp. nov., *B. tetana* S. Y. Wong & P. C. Boyce, sp. nov., *B. ultramafica* S. Y. Wong & P. C. Boyce, sp. nov., *B. vespula* S. Y. Wong & P. C. Boyce, sp. nov. and *B. yengiae* P. C. Boyce, sp. nov. Furthermore, three pre-existing species names are transferred from *Microcasia* Becc. to *Bucephalandra*: *B. elliptica* (Engl.) S. Y. Wong & P. C. Boyce, comb. nov. (\equiv *Microcasia elliptica* Engl.), *B. muluensis* (M. Hotta) S. Y. Wong & P. C. Boyce, comb. nov. (\equiv *M. muluensis* M. Hotta) and *B. oblanceolata* (M. Hotta) S. Y. Wong & P. C. Boyce, comb. nov. (\equiv *M. oblanceolata* M. Hotta). Together these changes take *Bucephalandra* to 27 species. An updated generic description is provided, and a key to all species is offered. All species dealt with taxonomically and nomenclaturally are illustrated from living plants, and with comparative plates of the spadices. Where possible scientific names are correlated to nomenclature used by commercial suppliers. Remaining taxonomic problems are highlighted, and foci for further study suggested. Notes on the role of the motile interstice staminodes are supplied.

Additional key words: aroids, aquarium plants, Malaysia, Sabah, Sarawak, Indonesia, Kalimantan, Brunei, taxonomy, identification key

Introduction

Studies of tribe *Schismatoglottideae* (sensu Wong & al. 2010) have made it evident that a significant proportion of the species are either undescribed or poorly circumscribed. Species-level taxonomy of *Bucephalandra* Schott in particular has been revealed to be much obfuscated by the difficulty of interpreting the abundant but mostly inadequately prepared herbarium specimens,

coupled with an almost complete failure to correlate the type material of the few published names to plants encountered in the field. It must be stated that this problem is by no means a new one; indeed it has been at the root of taxonomic confusion and misapplication of names in *Bucephalandra* ever since the genus was established by Schott in 1858. (Bogner 1980; Boyce & Wong 2012).

Over the past five years a significant living collection of *Schismatoglottideae* has been collected and main-

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