

NEW COMBINATIONS IN CADETIA AND PANTLINGIA
(ORCHIDACEAE)

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The following species, described in *Dendrobium* but belonging to *Cadetia*, have not yet been formally transferred:

Cadetia citrina (Ridley) Schuiteman, *comb. nov.*

Dendrobium citrinum Ridley, Trans. Linn. Soc. London, ser. 2, 9 (1916) 175.

Dendrobium fluctuosum J.J. Sm., Bot. Jahrb. 66 (1934) 186, syn. nov. — *Cadetia fluctuosa* (J.J. Sm.) P.F. Hunt, Kew Bull. 26 (1971) 179, syn. nov.

Note – *Cadetia citrina* is a distinctive, large-flowered species, related to *C. cyclo-pensis* (J.J. Sm.) Schltr., but with relatively much shorter, elliptic petals and broadly rounded side-lobes to the lip. More than half a dozen collections of *C. citrina* were studied, including the types of *Dendrobium fluctuosum* and *D. citrinum*. They are quite constant morphologically, differing only somewhat in the size of the flowers. The description of *Dendrobium citrinum* is of a relatively small-flowered specimen, that of *D. fluctuosum* of a large-flowered one. Most of the specimens seen by me were intermediate in size. This very pretty species is widely distributed in New Guinea, from the Cenderawasih [Vogelkop] Peninsula in Irian Jaya to the Southern Highlands Province of Papua New Guinea, between 1100 and 2000 m asl.

Cadetia doormanii (J.J. Sm.) Schuiteman, *comb. nov.*

Dendrobium doormanii J.J. Sm., Nova Guinea 14 (1929) 397.

Cadetia lacorum (P. Royen) Schuiteman, *comb. nov.*

Dendrobium lacorum P. Royen, Alp. Fl. New Guinea 2 (1979) 290 (as '*lagorum*').

Cadetia pseudoaprina (J.J. Sm.) Schuiteman, *comb. nov.*

Dendrobium pseudoaprinum J.J. Sm., Nova Guinea 14 (1929) 395.

Cadetia remotisepala (J.J. Sm.) Schuiteman, *comb. nov.*

Dendrobium remotisepalum J.J. Sm., Nova Guinea 14 (1929) 396.

On the other hand, the following species does not belong to *Cadetia*, but to *Dendrobium* section *Microphytanthe*:

***Dendrobium bulbophylloides* Schltr., Fedde, Rep. Beih. 1 (1912) 457.**

Dendrobium mayrii J.J. Sm., Bot. Jahrb. 66 (1934) 185, *syn. nov.* — *Cadetia mayrii* (J.J. Sm.) P.F. Hunt, Kew. Bull. 26 (1971) 179, *syn. nov.*

Note — J.J. Smith assigned *D. mayrii* to *Cadetia*, which he regarded as a section of *Dendrobium*. This was overlooked by Reeve in his revision of section *Microphytanthe*. *Dendrobium bulbophylloides* is the first species of section *Microphytanthe* to be reported from Irian Jaya.

The following species have to be transferred to the genus *Pantlingia*, as this has priority over *Stigmatodactylus*:

Pantlingia croftiana* (Kores) Schuiteman, *comb. nov.

Acianthus croftianus Kores, Lindleyana 6 (1991) 168, f. 3. — *Stigmatodactylus croftianus* (Kores) Kores, Novon 2 (1992) 212.

Note — According to Kores this species has two pairs of lateral teeth on the column. This appears to be a variable character, as in a spirit collection examined by me (*Schuiteman 17*) only one pair of teeth, corresponding with the upper pair illustrated by Kores, could be observed. The illustration by Kores of the rhizome is inaccurate; it is not smooth with scattered root-hairs, as suggested by his figure, but covered with conico-cylindrical projections which carry apical tufts of long root-hairs. Since my collection is apparently only the third known from New Guinea, it may be useful to cite it in full:

Specimen examined: *Schuiteman 17*, Papua New Guinea, Morobe Prov., Wau, Mt Kaindi, altitude 2300 m, terrestrial in deep shade in secondary forest, fl. 12-vii-1982 (L, spirit material).

Pantlingia gibbsiae* (Kores) Schuiteman, *comb. nov.

Acianthus gibbsiae Kores, Lindleyana 6 (1991) 166. — *Stigmatodactylus gibbsiae* (Kores) Kores, Novon 2 (1992) 212.

Pantlingia variegata* (Kores) Schuiteman, *comb. nov.

Acianthus variegatus Kores, Lindleyana 6 (1991) 171. — *Stigmatodactylus variegatus* (Kores) Kores, Novon 2 (1992) 212.