

thirds. *Lip* 3.5–6 cm long, 2.1–3.1 cm wide, dull ochre-brown. *Staminode* obovate, apically three-toothed with a long erect hook at the base, 10 mm long, 7 mm wide, pale ochre to brownish green. $2n = 26$. (PLATE 26 & FIGS. 45–46).

DISTRIBUTION. Peninsular Malaysia, Sumatra, Java, Borneo and Sulawesi; 250–1600 m altitude. (MAP 27).

Paphiopedilum lowii (Lindl.) Stein, *Orchideenbuch* 476 (1982). Type: Borneo, *Low* (holotype K!).

Cypripedium lowii Lindl. in *Gard. Chron.* 1847: 765 (1847).

Cordula lowii (Lindl.) Rolfe in *Orchid Rev.* 20: 2 (1912). (As *C. lowiana*.)

22a. var. *richardianum* (Asher & Beaman) Gruss & Roth in *Die Orchidee* 45(5): U-Seit 4 (1994).

P. richardianum Asher & Beaman in *Orchid Digest* 52: 61 (1988). Type: Sulawesi, Palu, *Bundt* s.n., cult. Topper in Asher 117 (holo. MSC!).

Differs from the typical variety in having smaller flowers with a smaller non-reflexed dorsal sepal, shorter, more pendent petals, a lip with a deeply V-shaped apex to the orifice, and a shorter, 6 mm long staminode with a small basal umbo and a tridentate apex with the teeth of equal length. (Fig. 47).

DISTRIBUTION. Sulawesi only.



Fig. 47. *Paphiopedilum lowii* var. *richardianum*, flowering in cultivation. (Photo.: R.B.G., Kew)