

**115. NEOGYNA** H. G. Reichenbach, Bot. Zeitung (Berlin) 10: 931. 1852.

新型兰属 xin xing lan shu

Chen Xinqi (陈心启 Chen Sing-chi); Jeffrey J. Wood

Herbs, epiphytic or lithophytic. Rhizome stout, with many fibrous roots. Pseudobulbs  $\pm$  clustered, ovoid-cylindric to conic, rather long, sheathed, apex 2-leaved. Leaves petiolate, relatively large, papery. Inflorescence racemose, proteranthous or hysteranthous, pendulous; greater part of peduncle covered by sheaths at anthesis; floral bracts persistent, relatively large. Flowers resupinate, not opening widely, large; pedicel and ovary cylindric, 3-ridged. Sepals similar, fleshy, campanulate (united and saccate at base). Petals shorter and narrower than sepals, base not saccate; lip oblong, funnel-shaped, 3-lobed near apex, spurless, lateral lobes erect, embracing column, base saccate and enclosed in basal sac of lateral sepals. Column curved, rather long, winged; anther cap incumbent, oblong; pollinia 4, in 2 pairs, waxy, oblong-pyriform, depressed, base with flat caudicles, attached to a sticky substance; stigma concave; rostellum triangular. Capsule with 6 longitudinal ridges, apex with persistent column.

One species: Bhutan, China, NE India, Laos, Myanmar, Nepal, Thailand, N Vietnam.

**1. *Neogyne gardneriana*** (Lindley) H. G. Reichenbach, Bot. Zeitung (Berlin) 10: 931. 1852.

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*Coelogyne gardneriana* Lindley in Wallich, Pl. Asiat. Rar. 1: 33. 1830; *Neogyne gardneriana* var. *basiquinquelamellata* Tang & F. T. Wang; *N. gardneriana* var. *basitrilamellata* Tang & F. T. Wang; *Pleione gardneriana* (Lindley) Kuntze.

Rhizome ca. 8 mm in diam. Pseudobulbs borne 1–2 cm apart, dark brown when dried, narrowly ovoid to subcylindric, 9–15  $\times$  1–2 cm, base slightly contracted. Leaves narrowly elliptic-ob lanceolate, 30–44  $\times$  4–8 cm, acuminate; petiole 4–5 cm. Peduncle 10–20 cm, continuously elongating at fruiting; rachis straight or sometimes slightly flexuous, 7–13 cm, several to 10-flowered; floral bracts broadly ovate-elliptic to suborbicular, 2–

4  $\times$  1.5–2.8 cm, thinly membranous, obtuse. Flowers white, keels yellow; pedicel and ovary 1.5–1.8 cm. Sepals suboblong, 40–45  $\times$  ca. 10 mm, abaxially carinate, basal sac ca. 4 mm deep; lateral sepals with deeper basal sac. Petals linear, 40–45  $\times$  3–4 mm; lip obovate, 4–4.5  $\times$  ca. 2.5 cm, distally 3-lobed; lateral lobes subovate, obtuse-rounded; mid-lobe subreniform, margin  $\pm$  erose; disk with 2 or rarely 3 longitudinal lamellae extending from base to base of mid-lobe, occasionally with 5 lamellae at base; basal sac 4–5 mm deep. Column ca. 3.5 mm. Capsule obovoid-ellipsoid, ca. 3.5  $\times$  2 cm, wing-shaped ribs ca. 3 mm wide. Fl. Nov–Jan.

Epiphytic on trees in forests or lithophytic on shaded rocks along valleys; 600–2200 m. SE Xizang, S Yunnan [Bhutan, NE India, Laos, Myanmar, Nepal, Thailand, N Vietnam].

