

178. NEOFINETIA Hu, *Rhodora* 27: 107. 1925.

风兰属 feng lan shu

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Finetia Schlechter, *Beih. Bot. Centralbl.* 36: 140. 1918, not Gagnepain (1917); *Nipponorchis* Masamune, nom. illeg. superfl.

Herbs, epiphytic, small, monopodial. Roots many, slightly flattened. Stems erect, enclosed in leaf sheaths, short, many leaved. Leaves distichous, narrow, ± conduplicate toward base, dorsally carinate, jointed and sheathing at base. Inflorescence axillary, racemose, laxly few flowered. Flowers opening widely, medium-sized. Sepals and petals free, similar; lip spurred at base, 3-lobed; lateral lobes erect; mid-lobe spreading, with appendages at base; spur slender, cylindrical, rather long, sometimes slightly curved. Column short, thick, winged, footless; rostellum furcate-bifid; anther cap narrowed at apex; pollinia 2, cleft, waxy, globose; stipe narrowly ovate-cuneate, geniculate-curved; viscidium broadly ovate, broader than stipe.

Three species: China, Japan, Korea; three species (two endemic) in China.

- 1a. Spur 3.5–5 cm 1. *N. falcata*
- 1b. Spur 1–1.6 cm.
 - 2a. Sepals and petals pinkish or becoming whitish; spur 1.5–1.6 cm, much longer than sepals, curved, spreading horizontally, lateral sepals mucronate at apex 2. *N. xichangensis*
 - 2b. Sepals and petals white; spur 1–1.1 cm, shorter than or ca. as long as sepals, straight, pendulous or nearly so, lateral sepals not mucronate at apex 3. *N. richardsiana*

1. Neofinetia falcata (Thunberg) Hu, *Rhodora* 27: 107. 1925.

风兰 feng lan

Orchis falcata Thunberg in Murray, *Syst. Veg.*, ed. 14, 811. 1784; *Angorchis falcata* (Thunberg) Kuntze; *Angraecopsis falcata* (Thunberg) Schlechter; *Angraecum falcatum* (Thunberg) Lindley; *Finetia falcata* (Thunberg) Schlechter; *Holcoglossum falcatum* (Thunberg) Garay & H. R. Sweet; *Limodorum falcatum* (Thunberg) Thunberg; *Nipponorchis falcata* (Thunberg) Masamune; *Oeceoclades falcata* (Thunberg) Lindley; *Vanda falcata* (Thunberg) Beer.

Plants usually 8–12 cm tall. Stems 1–6 cm, many leaved. Leaves narrowly oblong-falcate, 5–12 × 0.7–1 cm, thickly leathery, conduplicate and sheathing toward base, apex acute. Inflorescence including flowers 5–8 cm, suberect, 2- or 3(–5)-flowered; peduncle 1–3 cm; floral bracts ovate-lanceolate, 7–9 mm, acuminate. Flowers fragrant, white, anther cap brown on both sides; pedicel and ovary 2.8–5 cm. Sepals subobovate, 8–10 × 2.5–4 mm, obtuse; lateral sepals falcate-curved, dorsally carinate apically, recurved. Petals oblanceolate or subspatulate, 8–10 × 2.2–3 mm, obtuse; lip fleshy, 3-lobed; lateral lobes oblong, 3.5–4 × 0.8–1 mm, obtuse; mid-lobe ligulate, 7–8 × 2–2.5 mm, retuse, with a triangular basal callus, adaxially with 3 slightly swollen ridges; spur arcuate, 3.5–5 cm × 1.5–2 mm, slender, obtuse. Column ca. 2 mm, with wings triangularly enlarged in upper part; anther cap apex narrowed and triangular. Fl. Apr. $2n = 38$.

Epiphytic on tree trunks in forests; 1500–1600 m. N Fujian, S Gansu, SW Hubei, W Jiangxi, Sichuan, Zhejiang [Japan, Korea].

2. Neofinetia xichangensis Z. J. Liu & S. C. Chen, *Acta Bot. Yunnan.* 26: 300. 2004.

西昌风兰 xi chang feng lan

Plants tufted. Stems ca. 2 cm. Leaves 6 or 7, linear, 4–6 × 0.5–0.6 cm, rigid, conduplicate and sheathing toward base, apex

obliquely bilobed. Inflorescence including flowers 4–5 cm, (2 or)3- or 4-flowered; peduncle 3–5 mm; floral bracts subovate, 3–4 mm, scarious. Flowers unscented, sepals and petals pinkish, becoming whitish, lip white; pedicel and ovary green at base, whitish green toward top, 3.3–3.5 cm. Dorsal sepal suboblong, 6–7 × 2–3 mm, obtuse; lateral sepals obliquely oblong, 6–7 × 2–3 mm, mucronate. Petals suboblong, 5–6 × 1.5–2 mm,

obtuse; lip ovate-oblong in outline, $6-7 \times 3-4$ mm, 3-lobed; lateral lobes erect, obliquely oblanceolate; mid-lobe slightly recurved, ligulate, ca. 3×1.5 mm; disk with an indistinct transverse ridge between mid-lobe and disk; spur spreading horizontally and slightly upward, curved, cylindric, $1.5-1.6$ cm \times $1-1.5$ mm. Column ca. 2 mm. Fl. Apr–May.

• Epiphytic on tree trunks along valleys; 1400–1500 m. SW Sichuan (Xichang).

3. *Neofinetia richardsiana* Christenson, Lindleyana 11: 220. 1996.

短距风兰 duan ju feng lan

Plants tufted. Stems ca. 1.5 cm, many leaved. Leaves linear-oblong, ca. 6.5×0.6 cm, conduplicate and sheathing toward base, apex obliquely bilobed. Inflorescence including flowers 5–6 cm, densely few flowered; peduncle ca. 8 mm; floral bracts ovate, 3–4 mm, concave, scarious. Flowers white, tinged with pale pink at base of sepals and petals and tip of ovary; pedicel and ovary ca. 5 cm. Dorsal sepal oblong, ca. 6×2 mm, mucronate; lateral sepals obliquely oblong-oblanceolate, ca. 7×2 mm, dorsally carinate, shortly clawed at base. Petals obliquely oblong, ca. 6.5×1.5 mm, obtuse; lip 3-lobed; lateral lobes obliquely oblanceolate; mid-lobe slightly recurved, ligulate, ca. 6.5×3 mm, with a basal callus, apex obtuse; spur arcuate, ca. 1.1 cm \times 1 mm. Column ca. 1.5 mm, thick. Capsule 6-ribbed. Fl. Apr–May.

• Epiphytic on tree trunks in forests; 1300–1400 m. Chongqing (Wanxian).

