

四川兰科一新种——西昌风兰*

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Neofinetia xichangensis, A New Species of Orchidaceae from Sichuan

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Abstract: *Neofinetia xichangensis* Z. J. Liu et S. C. Chen, a new species of Orchidaceae, is described and illustrated based on the plants collected from Xichang of Sichuan, China. This new species is akin to *Neofinetia richardsiana* Christenson, from which it differs by having pinkish sepals and petals, mucronate-tipped lateral sepals, and a curved and horizontally spreading spur much longer than sepals.

Key words: *Neofinetia xichangensis*; New species; Sichuan

关键词: 西昌风兰; 新种; 四川

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Neofinetia is a genus of two species distributed in China and Japan. One of them, *N. richardsiana* Christensen, was described in 1996 and said to be of Chinese origin. But no precise locality has been known about it until recently. On a botanical trip of the senior author to Sichuan and Chongqing in April of 2003, several living plants of *N. richardsiana* were collected from Wanxian of northern Chongqing and another taxon related to it from Xichang of southwestern Sichuan. Both of them were found growing on tree trunks or rocks in more or less shady places along valleys and flowering in April. No less than ten plants of them were brought back and cultivated in our nursery in Shenzhen. A comparison between them showed that the Wanxian plants are a true *N. richardsiana*, while the Xichang plants are an undescribed species. Thus the genus *Neofinetia* has three species, to which a key is provided as follows:

1. Spur 3.5–5 cm long *N. falcata* H. H. Hu
1. Spur 1–1.6 cm long.
 2. Sepals and petals white; spur straight, pendulous or nearly so, 1–1.1 cm long, shorter than or as long as the sepals; lateral sepals not mucronate at apex *N. richardsiana* Christenson.
 2. Sepals and petals pinkish or becoming whitish in later stage; spur curved, spreading horizontally, 1.5–1.6 cm long, much longer than the sepals; lateral sepals mucronate at apex
..... *N. xichangensis* Z. J. Liu et S. C. Chen

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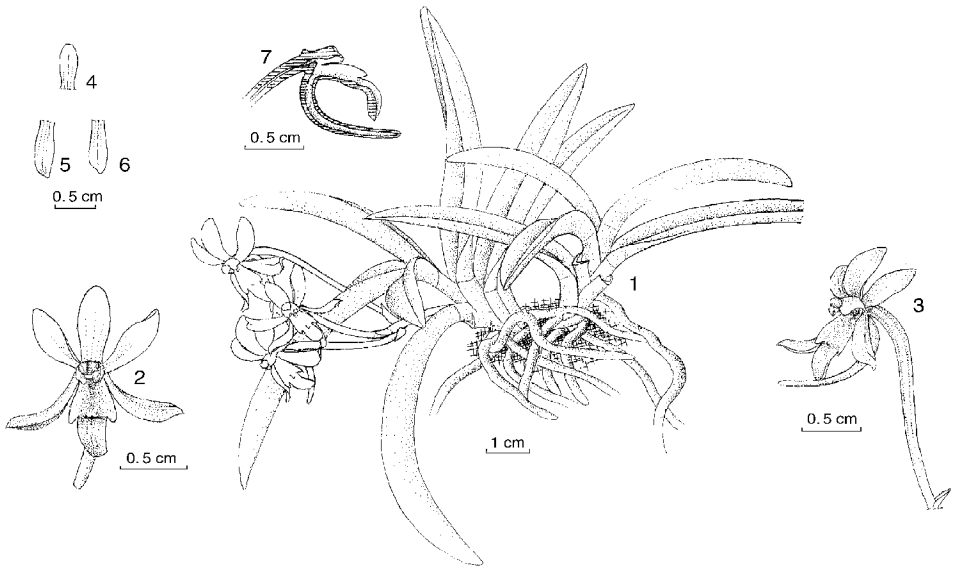


图1 西昌风兰 1. 带花植株; 2. 花, 正面观; 3. 花, 侧面观; 4. 中萼片; 5. 侧萼片; 6. 花瓣;
7. 蕊柱和唇瓣, 纵切面。

Fig. 1 *Neofinetia xichangensis* 1. Flowering plant; 2. Flower, front view; 3. Flower, side view; 4. Dorsal sepal;
5. Lateral sepal; 6. Petal; 7. Column and lip, longitudinal section.

西昌风兰 新种 图 1

Neofinetia xichangensis Z. J. Liu et S. C. Chen, sp. nov. Fig. 1

Type: China, Sichuan, Xichang (西昌), alt. 1 400–1 500 m, on tree trunk along a valley, 29 April 2003, Z. J. Liu 2747 (Holotype, SZWN) (SZWN = Herbarium, Shenzhen City Wutongshan Nurseries, China)

Diagnosis: Species nova *Neofinetia richardsiana* Christenson affinis, a qua sepalis et petalis subroseis, sepalis lateralibus apice mucronatis, calcaris curvo et horizontaliter patenti 1.5–1.6 cm longo bene differt.

Description: A small epiphytic plant. Stem short, 2 cm long, enclosed in leaf bases. Leaves 6–7, distichous-alternate, greenish, rigid, linear, 4–6 cm long, 5–6 mm broad, conduplicate and sheathing toward the base, articulated. Inflorescences axillary, racemose, with (2–) 3–4 flowers; peduncle 3–5 mm long; pedicel and ovary 3.3–3.5 cm long, white-green towards the top and green at base; flowers not scented; sepals and petals pinkish or becoming whitish in later stage; lip white; dorsal sepal suboblong, 6–7 mm long, 2–3 mm broad, apex obtuse; lateral sepals obliquely oblong, 6–7 mm long, 2–3 mm broad, apex mucronate; petals suboblong, 5–6 mm long, 1.5–2 mm broad, apex obtuse; lip ovate-oblong in outline, 6–7 mm long, 3–4 mm broad, 3-lobed; side-lobes erect, obliquely oblanceolate; mid-lobe ligulate, ca 3 mm long, 1.5 mm broad, slightly recurved; disc with an indistinct transversal ridge between mid-lobe and disc; spur cylindrical, curved, spreading horizontally and slightly upward, 1.5–1.6 cm long, 1–1.5 mm in diameter; column 2 mm long.

Flowering period: April and May.

Distribution: Known only from type locality.

Notes: This new species is akin to *Neofinetia richardsiana* Christenson, from which it differs by having pinkish sepals and petals, mucronate-tipped lateral sepals, and a curved and horizontally spreading spur 1.5–1.6 cm long.

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