

179. **SEDIREA** Garay & H. R. Sweet, *Orchids S. Ryukyu Islands*, 149. 1974.

萼脊兰属 e ji lan shu

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

Herbs, epiphytic, monopodial. Stems short, with several leaves. Leaves nearly basal, distichous, flat, slightly fleshy or thickly leathery, jointed and shortly sheathing at base. Inflorescence racemose, axillary, laxly several flowered; floral bracts broadly ovate, shorter than pedicel and ovary. Flowers opening widely, medium-sized. Sepals and petals free, similar; lateral sepals adnate to column foot. Lip attached at base to column foot by a movable joint, spurred, 3-lobed; lateral lobes erect; mid-lobe recurved; spur long, parallel to mid-lobe, narrowed distally. Column rather long, base with a short foot, or footless; stigma large, deeply concave, near middle of column; rostellum large, bilobed; pollinia 2, waxy, subglobose, cleft, attached by a common linear stipe to a large viscidium.

Two species: China, Japan (Ryukyu Islands), Korea; two species (one endemic) in China.

The generic name is an anagram of *Aerides*.

- 1a. Sepals and petals yellowish green with pale brown spots adaxially; mid-lobe of lip narrowly oblong, entire 1. *S. subparishii*
- 1b. Sepals and petals whitish green; mid-lobe of lip spatulate, apical margin irregularly crenate 2. *S. japonica*

1. **Sedirea subparishii** (Z. H. Tsi) Christenson, *Taxon* 34: 518. 1985.

短茎萼脊兰 duan jing e ji lan

Hygrochilus subparishii Z. H. Tsi, *Acta Bot. Yunnan.* 4: 267. 1982.

Stems 1–2 cm, with thick, slightly flattened, long roots. Leaves 3 or 4, nearly basal; leaf blade oblong or obovate-lanceolate, 5.5–19 × 1.5–3.4 cm, shallowly bilobed. Inflorescence to 10 cm, laxly several flowered; floral bracts ovate, 6–9 mm. Flowers fragrant, slightly fleshy, yellowish green, spotted with pale brown adaxially, whitish abaxially; pedicel and ovary ca. 2.5 cm. Sepals suboblong, 16–20 × 7–9 mm, abaxially narrowly winged, apex acute; lateral sepals slightly narrower. Petals sub-elliptic, 15–18 × ca. 6 mm, acute; lip movable, 3-lobed; lateral lobes erect, suborbicular, margins slightly serrate; mid-lobe narrowly oblong, ca. 6 × 1.2 mm, fleshy, abaxially beaked near apex, adaxially with a laterally compressed conic callus at base and a high lamella extending from base to apex; spur spreading forward, nearly parallel to mid-lobe, horn-shaped, ca. 1 cm, attenuate toward end. Column ca. 1 cm, base without a distinct foot, winged and with 2 apical teeth; rostellum elongate, lobules ca. 4 mm; stipe linear, often conduplicate, attenuate toward base; viscidium suborbicular. Fl. May.

• Epiphytic on tree trunks in forests; 300–1100 m. N Fujian, N Guangdong, NE Guizhou, SW Hubei, Hunan, NE Sichuan, Zhejiang.

2. **Sedirea japonica** (H. G. Reichenbach) Garay & H. R. Sweet, *Orchids S. Ryukyu Islands*, 149. 1974.

萼脊兰 e ji lan

Aerides japonica H. G. Reichenbach, *Hamburger Garten-Blumenzeitung* 19: 210. 1863.

Stems ca. 1 cm, with 4–6 nearly basal leaves. Leaves oblong or obovate-lanceolate, 6–13 × ca. 2.5 cm, slightly bilobed.

Inflorescence pendulous, ca. 18 cm, laxly ca. 6-flowered; floral bracts pale brown, broadly ovate, ca. 8 mm, concave. Flowers orange-scented, whitish green, with 1–3 transverse bands of dull brown spots adaxially on lateral sepals, lip mid-lobe spotted purple-red, margins of lateral lobes purple-red, claw with purplish red ridges adaxially; pedicel and ovary ca. 18 mm. Sepals oblong, ca. 17 × 7.5 mm, obtuse; lateral sepals slightly narrower than dorsal sepal. Petals oblong-ligulate, ca. 15 × 7 mm, obtuse; lip 3-lobed; lateral lobes subtriangular, very small; mid-lobe spatulate, large, ca. 1.5 cm, adaxially concave, clawed at base, margin irregularly crenate; spur spreading horizontally, nearly parallel to mid-lobe, ca. 1.3 cm, with a suberect fleshy appendage at entrance. Column ca. 1 cm, foot ca. 4 mm. Fl. Jun.

Epiphytic on tree trunks in open forests or on cliffs along valleys; 600–1400 m. W Yunnan, Zhejiang [Japan (Ryukyu Islands), Korea].

