

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

萼脊兰属 e ji lan shu

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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].

