

夏凤兰——云南兰科一新种

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摘 要: 对兰科新种夏凤兰 *Cymbidium aestivum* Z. J. Liu et S. C. Chen 作了描述与绘图。此新种与冬凤兰 *Cymbidium dayanum* Rchb. f. 相近, 但花大, 萼片长 4.2~4.8 cm; 萼片与花瓣呈淡紫褐色; 花苞片披针形, 长 1~1.5 cm; 唇瓣中裂片长度约为其全长的 3/5, 故甚易区别于冬凤兰。

关键词: 夏凤兰; 新种; 云南

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Cymbidium aestivum, A New Species of Orchidaceae from Yunnan

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Abstract: *Cymbidium aestivum* Z. J. Liu et S. C. Chen, a new species of Orchidaceae from southern Yunnan, is described and illustrated. The new species is akin to *Cymbidium dayanum* Rchb. f., from which it differs by the larger flowers with sepals 4.2—4.8 cm long, pale purple-brown sepals and petals, lanceolate bracts 1—1.5 cm long and a long mid-lobe equaling 3/5 the length of the lip.

Key words: *Cymbidium aestivum*; New species; Yunnan

The section Himantophyllum in *Cymbidium* is a distinct and monotypic group, characterized by its two cleft poilinia, narrow acuminate leaves, sharply acute or acuminate sepals and petals and 2 strongly grandular-pubescent lamellae on the lip. In the present paper a new species, *Cymbidium aestivum* Z. J. Liu et S. C. Chen, is described belonging to this section based on the plants collected by the senior author in 2000—2001 from southern Yunnan. Living plants were brought back and cultivated in our nursery in Shenzhen. They flowered in last July and August. The new species is quite distinct from, but related to, *Cymbidium dayanum* Rchb. f. The flowers are rather large with sepals 4.2—

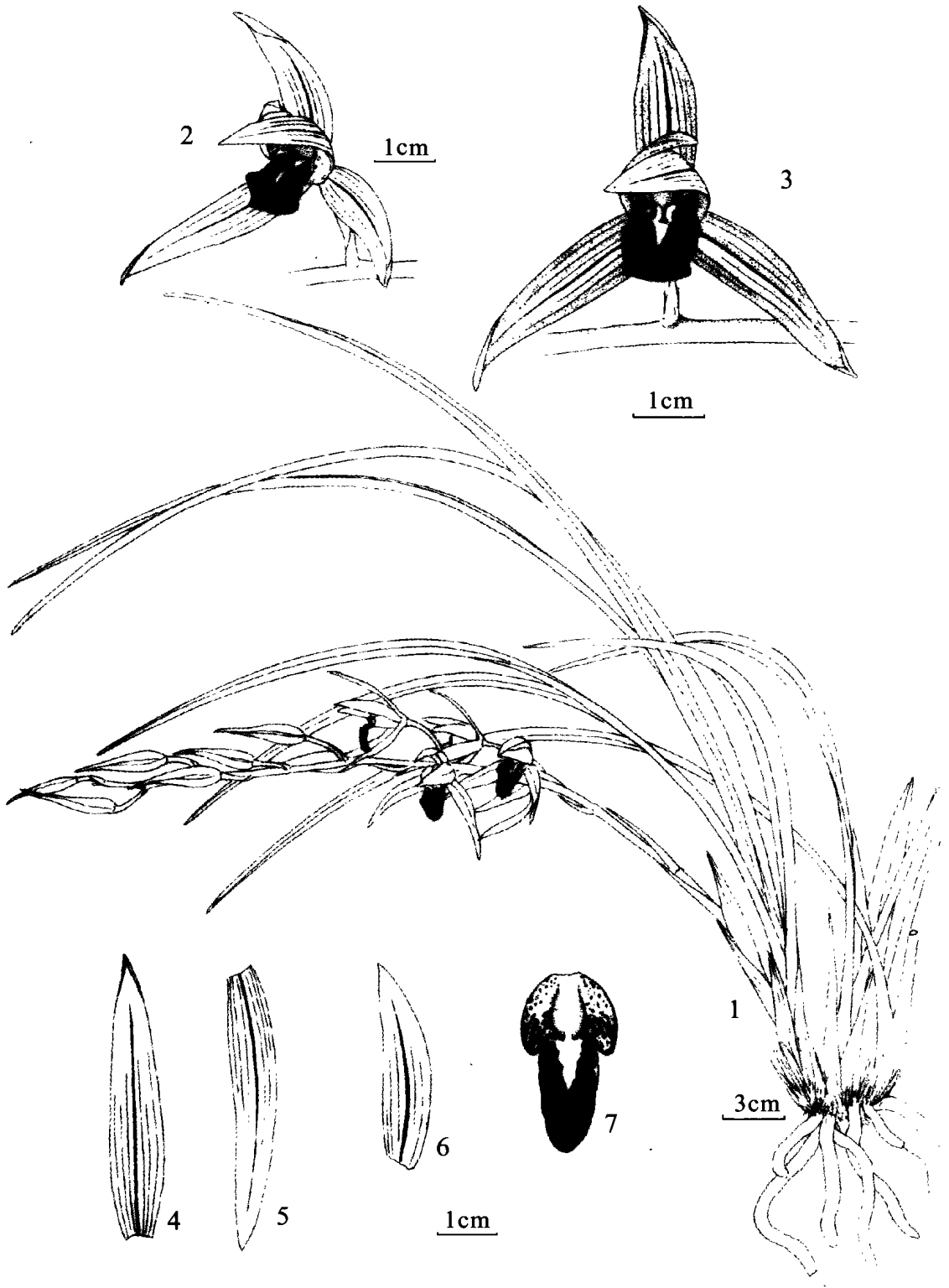
4.8 cm long, sepals and petals heavily tinged with pale purple-brown, floral bracts 1—1.5 cm long and mid-lobe equaling 3/5 the length of the lip. These features are not found in *Cymbidium dayanum*.

***Cymbidium aestivum* Z. J. Liu et S. C. Chen, sp. nov.** (Sect. Himantophyllum) fig. 1: 1—7

TYPE: China, Yunnan, Mengla County (勐腊县), Puweng (普文), alt. 1500 m, on mossy rocks, 18 July 2000, Z. J. Liu 200234. (Holotype, SZWN) (SZWN = Herbarium, Shenzhen City Wutongshan Nurseries, China).

Specimen cited: China, Yunnan, Mengla Coun-

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1. 带花植株; 2. 花, 侧面观; 3. 花, 正面观; 4. 中萼片; 5. 侧萼片; 6. 花瓣; 7. 唇瓣
1. Flowering plant; 2. Flower, side view; 3. Flower, front view; 4. Dorsal sepal; 5. Lateral sepal; 6. Petal; 7. Lip

图 1 夏凤兰

Fig. 1 *Cymbidium aestivum* Z. J. Liu et S. C. Chen

ty(勐腊县), Puweng(普文), alt: 1 600 m, in forest, 16 February 2001, Z. J. Liu 200254 (SZWN).

Diagnosis: Species nova *Cymbidio dayanum* Rchb. f. *subsimilis*, a quo bene differt floribus majoribus, sepalis 4.2 — 4.8 cm longis, sepalis et petalis e purpurello-brunneolo albidis vel flavidis, lobo intermedio labelli longitudine $3/5$ labelli partes aequanti, bracteis 1 — 1.5 cm longis.

Description: A lithophytic plant. Pseudobulb subfusiform, slightly flattened, 1.5 — 2.5 cm long, 1.5 — 2 cm broad, enclosed in leaf bases. Leaves 4 — 8, lorate, thick-chartaceous, 32 — 66 cm long, 0.8 — 1.6 cm broad, apple-green, acuminate at apex, midrib elevated dorsally, articulated 3 — 6 cm from the base. Scape lateral, spreading horizontally or arching, 30 — 50 cm long, with 5 — 6 sheaths at base; raceme 10-to 13-flowered; floral bracts lanceolate, 1 — 1.5 cm long; pedicel and ovary 2.5 — 3.5 cm long, elongating at fruiting; flowers 4 — 6 cm across, not scented; sepals and petals whitish or yellowish heavily tinged with pale purple-brown; dorsal sepal with purple-brown veins; lip dark purple with a triangular-lanceolate yellow-green center; dorsal sepal lanceolate or linear-lanceolate, 4.2 — 4.8 cm long, 8 — 9 mm broad, apex sharply acute or acuminate; lateral sepals slightly narrower

and oblique; petals narrowly oblong-lanceolate, 2.8 — 3.2 cm long, 7 — 8 mm broad, apex sharply acute; lip ovate-oblong, 2.7 — 3.0 cm long, 1 — 1.2 cm broad, below middle 3-lobed; side-lobes semiorbicular, erect, weakly clasping the column; mid-lobe ovate-oblong, recurved, 1.6 — 1.8 cm long, 0.8 — 1.1 cm broad; disc with 2 glandular-pubescent lamellae extending from base to near the base of the mid-lobe; column dark purple-red, 1.3 — 1.4 cm long, slightly arcuate; operculum yellow, pollina 2, cleft.

Flowering period: From June to August in our nursery.

Distribution: China, Yunnan (云南), Mengla County (勐腊县), Puweng (普文), alt: 1 500 — 1 600 m, on mossy rocks in forests along valleys.

Notes: This new species is the second member of the section *Himantophyllum*. It is akin to *Cymbidium dayanum* Rchb. f., from which it differs by having larger flowers with sepals 4.2 — 4.8 cm long, pale purple-brown sepals and petals, lanceolate bracts 1 — 1.5 cm long and a mid-lobe equaling $3/5$ the length of the lip.

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