

少叶硬叶兰, 中国兰科一新种

刘仲健¹ 陈心启²

(1. 深圳市梧桐山苗圃总场, 深圳 518114; 2. 中国科学院植物研究所系统与进化植物学开放实验室, 北京 100093)

摘要: 对云南兰科新种少叶硬叶兰作了描述和绘图, 并讨论了该种与其近缘种纹瓣兰的异同。

关键词: 少叶硬叶兰; 新种; 云南

中图分类号: Q949.71+8.43

文献标识码: A

文章编号: 1000-470X(2002)05-0350-03

Cymbidium paucifolium, A New Species of Orchidaceae from China

LIU Zhong-Jian¹, CHEN Sing-Chi²

(1. Shenzhen City Wutongshan Nurseries, Shenzhen 518114, China;

2. Laboratory of Systematic and Evolutionary Botany, Institute of Botany, The Chinese Academy of Sciences, Beijing 100093, China)

Abstract: *Cymbidium paucifolium* Z. J. Liu et S. C. Chen, a new species of Orchidaceae from Yunnan, is described and illustrated; the difference between this new species and its ally *Cymbidium aloifolium* (L.) Sw. is discussed.

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

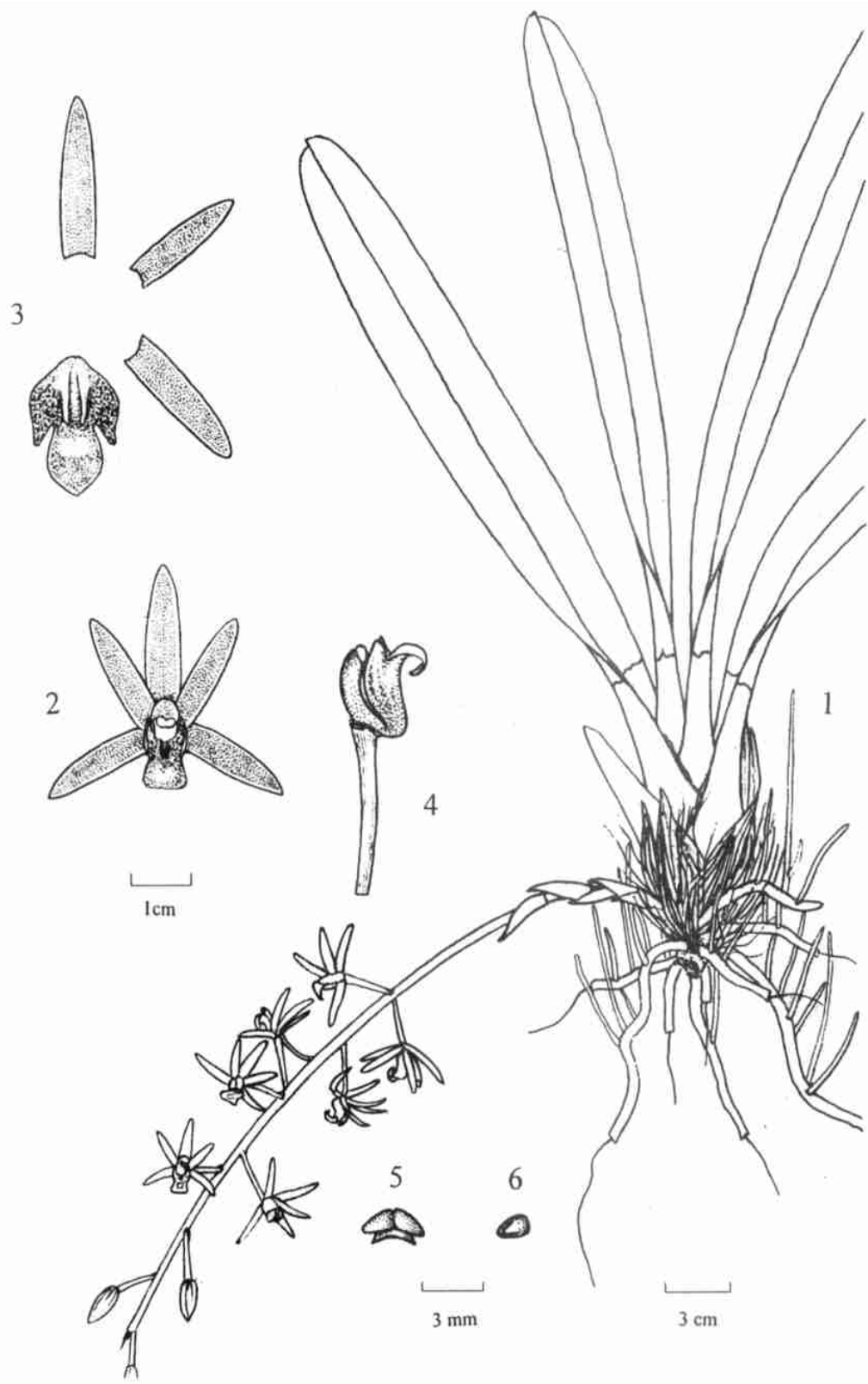
少叶硬叶兰 新种 图 1

Cymbidium paucifolium Z. J. Liu et S. C. Chen, sp. nov., Fig. 1~6 (Subgen. *Cymbidium*; sect. *Cymbidium*)

Species nova *Cymbidio aloifolio* (L.) Sw. similis, a quo differt plantis autumnoflorentibus, radicibus lateralibus numerosis erectis, foliis minoribus (2~4); inflorescentia 6~ad 11-flora, sepalis et petalis purpureo-rubris praeter marginem ca 0.8 mm latum flavum.

Plantae epiphyticae, perennes, vaginis tandem in fibras solutis cinctae. Radices carnosae, laterales numerosae, rigidae, erectae. Pseudobulbi anguste ovoidei, leviter complanati, 7~8 cm longi, 4~4.5 cm lati, juniores foliorum basibus inclusi. Folia 2~4 in quoque pseudobulbo, subligulata, 33~64 cm longa, 3~4.7 cm lata, rigida, atroviridia,

apice obtusa et inaequaliter rotundato-bilobata, prope basin conduplicata, articulata. Scapus a basi pseudobulbi inter fibras oriundus, arcuatus vel pendulus, 25~40 cm longus, basi 4- vel 5-vaginatus, vaginis 1~3 cm longis, racemo 14.5~23 cm longo 6~ad 11-floro; bractae triangulares, ca 3 mm longae; pedicellus cum ovario 2.2~2.5 cm longus, e flavido-viridulo purpureo-ruber; flores ca 4 cm in diametro, leniter odorati; sepalanguste oblonga vel anguste ligulato-elliptica, 2.0~2.3 cm longa, 5.5~6.5 mm lata, obtusa, purpureo-rubra praeter marginem 0.8 mm latum flavum; petalanguste oblonga, 1.8~2.0 cm longa, 4.5~5.5 mm lata, obtusa, colore sepalis similia; labellam ambitu subovatum, 1.7~2.0 cm longum, 1.4~1.5 cm latum, prope medium trilobum, basi saccatum, purpureo-rubrum, prope basin flavido-punctatum, lobis lateralibus semi-ovatis erectis columnam



1. 带花植株; 2. 花; 3. 中萼片、花瓣、侧萼片、唇瓣, 正面观; 4. 唇瓣与蕊柱, 侧面观; 5. 花粉块; 6. 花粉团, 背面观
1. Flowering plant; 2. Flower; 3. Dorsal sepal, petal, lateral sepal and lip, front view; 4. Lip and column, side view; 5. Pollinarium; 6. Pollinium, back view

图 1 少叶硬叶兰
Fig. 1 *Cymbidium paucifolium* Z. J. Liu et S. C. Chen

excedentibus rubro-purpureis et albo-punctulatis, lobo intermedio late oblongo-elliptico 8~9 mm longo et lato purpureo-rubro praeter marginem album et basin flavido-notatam, disco lamellis duabus fere parallelis versus basin gradatim dilatatis lacteis vel flavis basi rubro-brunneo punctulatis ornato; columna ca 1.2 longa, 5 mm lata, plus minusve arcuata, prope apicem anguste alata, pede brevissimo; pollinia duo, subtriangularia, profunde fissa; viscidium triangulare. Florescentia: Oct. ~ Nov.

China. Yunnan (云南): Xishuangbanna (西双版纳), without precise locality, 2001-11-20, Z. J. Liu 21112 (holotype, SZWN; SZWN = Herbarium, Shenzhen City Wutongshan Nurseries).

多年生附生植物, 基部为最终化解为纤维的鞘所包围。根肉质; 侧根多, 坚挺, 直立向上。假鳞茎狭卵形, 稍压扁, 长 7~8 cm, 宽 4~4.5 cm, 幼嫩时包藏于叶基之内。叶在每个假鳞茎上 2~4 枚, 近舌状, 长 33~64 cm, 宽 3~4.7 cm, 坚挺, 深绿色, 先端钝并有不等的 2 圆裂, 近基部对摺, 有关节。花葶从假鳞基部纤维丛中抽出, 外弯或下垂, 长 25~40 cm, 基部具 4 或 5 枚鞘, 鞘长 1~3 cm; 总状花序长 14.5~23 cm, 具 6 至 11 花; 花苞片三角形, 长约 3 mm; 花梗连同子房长 2.2~2.5 cm, 紫红色, 有黄绿色晕; 花直径约 4 cm, 有淡香; 萼片狭矩圆形或狭舌状椭圆形, 长 2.0~2.3 cm, 宽 5.5~6.5 mm, 先端钝, 除具黄色的狭窄边缘外全部紫红色; 花瓣狭矩圆形, 长 1.8~2.0 cm, 宽 4.5~5.5 mm, 先端钝, 色泽与萼片相似; 唇瓣轮廓为近卵形, 长 1.7~2.0 cm, 宽 1.4~1.5 cm, 紫红色, 近基部有淡黄色

斑点, 近中部 3 裂, 基部囊状; 侧裂片半卵形, 直立, 超出蕊柱, 红紫色, 有白色细斑点; 中裂片宽矩圆状椭圆形, 长、宽各 8~9 mm, 紫红色, 仅边缘白色, 基部有淡黄色斑; 唇盘上具有 2 条褶片; 褶片近平行, 向基部渐宽, 乳白色或黄色, 基部有红棕色斑点; 蕊柱长约 1.2 cm, 宽 5 mm, 略弓曲, 近顶端有狭翅, 有极短的蕊柱足; 花粉团 2 个, 近三角形, 有深裂隙; 粘盘三角形。花期 10~11 月。

本新种与纹瓣兰(*Cymbidium aloifolium*) 相近, 区别点在于本新种花期为 10~11 月, 侧根多而直立, 叶少(2~4 枚), 花序具 6~11 花, 萼片与花瓣紫红色, 具宽仅 0.8 mm 的黄色边缘。

新种是自西双版纳引种的植物, 约有 10 余株, 种植于梧桐山苗圃总场兰园的树干上。植物成大丛, 生长极为旺盛。奇妙的是, 在肉质的根上长出许多小侧根; 小侧根坚硬, 直立向上, 形成密丛, 颇似巨大的刷子。该种植株全部都具备这个特征, 甚为壮观, 易于辨认。

This new species was collected from Xishuangbanna Prefecture of southern Yunnan. Over ten individuals are now cultivated in our nursery, growing on tree trunks. It is characterized by the presence of two to four very rigid leaves and many rigid, erect and densely arranged air roots near the base of the plant. *Cymbidium paucifolium* Z. J. Liu et S. C. Chen is somewhat similar to *C. aloifolium* (L.) Sw., from which it also differs by having a shorter, usually arching inflorescence 6- to 11-flowered, and purple-red sepals and petals with very narrow yellow margins ca 0.8 mm wide.