

玲珑兜兰, 中国云南兰科一新种

刘仲健

陈心启

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

Paphiopedilum microchilum, a new species of Orchidaceae from Yunnan, China

LIU Zhong-Jian

CHEN Sing-Chi

(Shenzhen City Wutongshan Nurseries, Shenzhen 518114) (Laboratory of Systematic and Evolutionary Botany, Institute of Botany, the Chinese Academy of Sciences, Beijing 100093)

Abstract *Paphiopedilum microchilum* Z. J. Liu et S. C. Chen from Yunnan, China, is described and illustrated. Its affinity with *Paph. wardii* Summerh. is briefly discussed.

Key words *Paphiopedilum microchilum*; New species; China

摘要 对中国云南产的兰科新种玲珑兜兰 *Paphiopedilum microchilum* Z. J. Liu et S. C. Chen 作了描述和绘图, 并简要地讨论了它与彩云兜兰 *Paph. wardii* Summerh. 的亲缘关系。

关键词 玲珑兜兰; 新种; 中国

2000年5月初, 本文第一作者访问了云南的一些苗圃, 看到了一种体态奇特的兜兰。苗圃主人说是采自云南东南部的文山地区, 但确切地点及其海拔、生境均不详。该植物有5个植株, 共同簇生于一个短的根状茎上; 每一个植株有6~8片叶; 叶基二列地套叠着生, 形成一个长达4~5 cm的假茎; 假茎下部从叶基内发出1至数条肉质的根。叶的斑纹亦甚奇特, 有淡黄白色、浅绿色和深绿色的纵横网格斑, 越向先端, 淡黄白色斑晕越明显, 不同于任何兜兰中已知的斑纹。

该植物被带回移植于我们苗圃后, 于2001年1月底开花。花的色泽与形态略似彩云兜兰 *Paphiopedilum wardii* Summerh., 但花较小, 尤其唇瓣的外形有明显的不同。唇瓣全长仅2.7 cm, 其中柄(爪)长约1.3 cm, 囊长约1.4 cm, 囊的外形近倒卵状圆锥形, 有宽阔的囊口, 囊口两侧的耳向外平展而非直立。显然, 这是一个很奇特的新种, 不论在体态上、叶的斑纹上或花的构造上均明显不同于其近缘种彩云兜兰。

玲珑兜兰 新种 图 1: 1~8

Paphiopedilum microchilum Z. J. Liu et S. C. Chen, sp. nov. Fig. 1: 1~8

Species nova *Paphiopedilum wardii* Summerh. proxima, a quo bene differt foliis 6~8, supra nec transversaliter et longitudinaliter albido-flavido-, pallido-viridi- et fusco-viridi-tessellatis, floribus minoribus, labello 2.5 cm longo, ejus sacco subobovato-obconico ca. 1.4 cm longo 1 cm lato in medio.

Rhizoma breve. Folia 6~8, disticha, anguste oblonga vel elliptica, crassiusculo-chartacea, 7.5~12 cm longa, 2~3 cm lata, supra nec transversaliter et longitudinaliter albido-flavido-, pallido-viridi- et fusco-viridi-tessellata, infra purpurello-punctata plerumque in dimidio inferiore, apice



图 1 玲珑兜兰 1. 带花植株；2. 花，侧面观；3. 中萼片，正面观；4. 合萼片，正面观；5. 花瓣，正面观；6. 唇瓣，侧面观；7. 蕊柱，侧面观；8. 退化雄蕊，正面观。

Fig. 1 *Paphiopedilum microchilum* Z. J. Liu et S. C. Chen 1. Flowering plant; 2. Flower, side view; 3. Dorsal sepal, front view; 4. Synsepal, front view; 5. Petal, front view; 6. Lip, side view; 7. Column, side view; 8. Staminode, front view.

acuminata et leviter bifida, integra, basi in petiolum 2~2.5 cm longum conduplicatum laxe ciliatum contracta. Scapus cum flore ca. 19 cm longus, erectus, pallide purpuratus, albo-puberulus, uniflorus; bractea subovato-lanceolata, ca. 2 cm longa, 1.2 cm lata, plus minusve conduplicata, extus puberula et nervo medio pilosa, viridula, laxe purpurato-punctata, ciliata; pedicellus cum ovario ca. 5 cm longus, viridis, longitudinaliter purpurato-striatus, pilis brevibus indutus; flos ca. 7 cm latus; sepalum intermedium subovato-lanceolatum, concavum, ca. 3.5 cm longum, 2 cm latum, apice acuminatum, utrinque glabrum, margine purpurato-ciliatum, albido-viridulum et longitudinaliter viridi-striatum; synsepalum ei intermedio simile; petala suboblonga, ca. 4.3 cm longa, 1 cm lata, apex acuminata, margine longe purpurato-setoso-ciliata et prope apicem involuto-curvata, viridia, pagina interiore dense purpurato-punctata et laxe purpurato-pilosa; labellum parvum, ca. 2.7 cm longum, sacco subobovato-obconico, ca. 1.4 cm longo, 1 cm lato in medio, viridulo et dense purpurato-punctato vel purpurascenti, ungue ca. 1.3 cm longo, 1 cm lato, viridulo et purpurato-punctato, ore lato; auriculis horizontaliter recurvatis; staminodium ex purpurello viridulum, sublunatum, ca. 6 mm longum, 8 mm latum, mucronatum in sinu apicis.

China. SE Yunnan (云南东南部): Wenshan District (文山地区), 2001-02-10, Z. J. Liu 21021 (holotype, in Herbarium, Shenzhen City Wutongshan Nurseries, here designated).

根状茎短。叶 6~8 枚, 二列, 狭矩圆形或椭圆形, 厚纸质, 长 7.5~12 cm, 宽 2~3 cm, 上面具淡黄白色、浅绿色与深绿色相间的纵横网格斑, 背面有淡紫色斑点, 且多见于下半部, 先端渐尖并稍有 2 裂, 全缘, 基部收狭成柄, 柄长 2~2.5 cm, 对摺, 疏生缘毛。花葶连花长约 19 cm, 直立, 淡紫色, 具白色细柔毛, 具 1 花; 花苞片近卵状披针形, 长约 2 cm, 宽 1.2 cm, 多少对摺, 背面具细柔毛并在中脉上具长柔毛, 淡绿色, 具紫色疏斑点, 有缘毛; 花梗和子房长约 5 cm, 绿色, 有紫色纵条纹, 被短毛; 花宽约 7 cm; 中萼片近卵状披针形, 凹陷, 长约 3.5 cm, 宽 2 cm, 先端渐尖, 两面无毛, 边缘有紫色缘毛, 绿白色并有绿色纵纹; 合萼片与中萼片相似; 花瓣近矩圆形, 长约 4.3 cm, 宽 1 cm, 先端渐尖, 边缘有长的紫色刚毛状缘毛并在靠近顶端处向内弯卷, 绿色, 内面密布紫色斑点并疏生紫色毛; 唇瓣小, 长约 2.7 cm; 囊近倒圆锥状, 长约 1.4 cm, 中部宽约 1 cm, 淡绿色并密生紫色斑点或变为紫色; 柄(爪)长约 1.3 cm, 宽 1 cm, 淡绿色, 有紫色斑点; 囊口宽阔; 耳水平外弯, 退化雄蕊淡绿色, 有淡紫色晕, 近半月形, 长约 6 mm, 宽 8 mm, 先端弯缺处有短尖头。

此新种与彩云兜兰 *Paphiopedilum wardii* Summerh. 有亲缘关系, 但本新种叶 6~8 枚, 叶面有淡黄白色、浅绿色与深绿色相间的纵横网格斑, 花较小, 唇瓣长 2.7 cm, 囊近倒卵状圆锥形, 长约 1.4 cm, 中部宽 1 cm, 极易区别。

This new species is described based on a cultivated plant, which was transplanted from a nursery in Yunnan in May, 2000, and flowered in our nursery on 26 January, 2001. It is said that this entity was collected from Wenshan District of southeastern Yunnan, China, but nothing is known about either its precise locality or habitat. The plant contains a large clump of five shoots, each with 6~8 leaves. The distichous leaf bases overlap one another to form a stem-like stalk 4~5 cm long, with a few thick and fleshy roots in its lower part. The upper surface of the leaves is mottled transversely and longitudinally whitish-yellowish, light green and dark green, and the under-surface purplish-spotted usually on the lower half. The single flower is similar in colour to that of *Paphiopedi-*

lum wardii Summerh. , but the lip is much smaller and quite different in shape. The pouch is nearly obovate-obconical , almost as long as the claw , with a broad mouth and on its either side a horizontally recurved auricle. By all of these features this remarkable new species is very distinguishable from *Paph. wardii* and its related species.

(责任编辑 徐黎)