

中国兰科新植物

陈心启

(中国科学院植物研究所)

NEW TAXA OF ORCHIDACEAE FROM CHINA

CHEN SING-CHI

(Institute of Botany, Academia Sinica)

1. 山西杓兰 新种 图版 1:1

Cypripedium shanxiense S. C. Chen, sp. nov. (Sect. Cypripedium)

Ex affinitate *C. henryi* Rolfe, a quo floribus purpureis vel purpurellis minoribus, staminodio fusco-punctato, capsula matura glabrescenti bene distinctum.

Planta 40—55cm alta. Caulis erectus, pubescens, 3—4-folius, basi vaginatus, vaginis 3—5, 2—6cm longis. Folia alterna, elliptica vel ovato-lanceolata, 7—15cm longa, 4—8 (—12)cm lata, apice acuminata, subtus interdum basi pubescentia, utrinque in nervis sparse pilosa vel glabrescentia, margine ciliata. Racemus 1—3-florus (plerumque 2-florus); bractee foliiformes, 5.5—10cm longae, 1—3 (—4)cm latae, vulgo utrinque in nervis pilosae, ea inferior multo major; flores purpurei vel purpurelli, minores, ca. 4cm diam.; sepalum (intermedium) lanceolatum, 3—3.5cm longum, ca. 1cm latum, apice plus minusve caudato-acuminatum, dorso basi puberulum; synsepalum sepalo subsimile sed brevius, 2.5—3cm longum, apice manifeste bicuspidatum, parte libera 5—10mm longa; petala anguste lanceolata vel lineari-lanceolata, sepalo aequilonga, ca. 4mm lata, apicem versus attenuata, fere glabra; labellum calceiforme subglobosum, petalis multo brevius, 1.6—2cm longum, ca. 1.3cm diam., intus prope basin hirsutum, lobis lateralibus subtriangulis inflexis; columna brevis; stamina fertilia 2, filamentis brevioribus curvatis 1—2mm longis et antheris subglobosis ca. 1.5mm longis praedita; staminodium purpureum, oblongo-ellipticum, ca. 7mm longum et 3.5mm latum, apice subacutum et plus minusve mucronatum, basi auriculatum et stipitatum, subtus carinatum, purpureum, in parte anteriorie fusco-punctatum; ovarium lineare, curvatum, 2.5—3.5cm longum, ca. 2.5—4mm latum, dense pubescens. Capsula matura glabrescens, oblongo-lanceolata, plerumque 3.5—4cm longa, ca. 1cm lata, apice rostrata; pedicellus 1—1.5cm longus.

Alt. 950—2300m, fl. aestate (Maj. et Jun.).

Shanxi: Lingshi, T. Tang 950; Shi Xian, T. P. Wang 3146; Qin Yuan, alt. 1800 m, in somewhat shaded place on grassland, June 27th 1957, K. M. Liou 1423 (Holotypus,

PE); the same place, K. M. Liou 1488; Zhongyang, Exp. Flum. Huang. 2120; Lishan, Exp. Flum. Huang. 2451; Huo Xian, K. C. Kuan et Y. L. Chen 548, 679.

Hebei: Dong Ling, K. M. Liou 384, Y. Liu 11728, H. F. Chow 40678, H. T. Tsai 50449.

与绿花杓兰有亲缘关系,但新种花紫色或淡紫色,较小;退化雄蕊有暗色斑点;蒴果成熟时变无毛,易于区别。

产海拔 950—2300 米,花期夏季(5—6 月)。

山西:灵石,唐进 950;隰县,王作宾 3146;沁源,海拔 1800 米,生于草地半阴处,1957 年 6 月 27 日刘继孟 1423(模式, PE); 同地,刘继孟 1488; 中阳,黄河队 2120; 离山,黄河队 2451; 霍县,关克俭、陈艺林 548, 679。

河北:东陵,刘继孟 384,刘瑛 11728,周汉藩 40678,蔡希陶 50449。

2. 独龙羊耳蒜 新种 图版 1:2

Liparis taronensis S. C. Chen, sp. nov. (Sect. Liparis)

Species nova *L. forrestii* Rolfe et *L. cordifoliae* Rolfe affinis, ab utroque rhizomate gracili elongato repente ca. 1.5—2mm diam., bracteis anguste lanceolatis 3—4mm longis distincta.

Terrestris, erecta; rhizoma gracile, elongatum, ca. 1.5—2mm crassum, repens; pseudobulbi 2—4cm distantes, ovoidei, 7—8mm longi, 5—6mm lati, unifoliati. Folium erecto-patens, petiolatum; lamina ovata 7.5—9cm longa, 4.5—5.7cm lata, apice acuminato-mucronata, basi plus minusve cordata vel subtruncata, petiolo scapi partem inferiorem vaginante, 4.5—5.5cm longo. Scapus 15.5—20cm longus, paulo arcuatus, angulatus et anguste alatus; racemus sub-laxe 13—16-florus, 6—8cm longus; bracteae anguste lanceolatae, 3—4mm longae, apice acuminatae; pedicellus cum ovario 8—11mm longus; flores in genere inter mediocres, obscure viridi-purpurati; sepala lanceolata, ca. 6mm longa et 1.3mm lata, apice acuminata; petala anguste linearia, sepalis aequilonga, ca. 0.2mm lata; labellum fere orbiculare vel late oblongo-orbiculare, ca. 5mm longum et 5mm latum, apice apiculatum, margine irregulare, basi angustatum et supra callis duobus lamellosis instructum; columna arcuata, basi dilatata, ca. 2.5mm longa, parte superiore anguste alata.

On the border between China and Burma: Taron Valley, Chiengen, alt. 1700m, upon shady rocks, flowers dull greenish purple, July 26th 1938, T. T. Yu 19424 (Holotypus, PE).

本新种与福氏羊耳蒜及心叶羊耳蒜有亲缘关系,与此两种的区别在于本种具细长、横走、直径约 1.5—2 毫米的根状茎以及狭披针形、长 3—4 毫米的花苞片。

产中缅边界,独龙河谷,海拔 1700 米,生于荫蔽的岩石上;花暗绿紫色,1938 年 7 月 26 日,俞德浚 19424(模式, PE)。

3. 狭翅羊耳蒜 新变种

Liparis bootanensis Griff. var. **angustissima** S. C. Chen et K. Y. Lang, var. nov.

Varietas nova a typo differt alis in parte superiore columnae angustissimis (minus quam 0.5mm latis), callis labelli minoribus.

Guangxi: Nan Ning, Shi Wan Da Shan, alt. 400m, on shaded cliff, fl. greenish, Oct. 17th 1928, R. C. Ching 7958 (Holotypus, PE); the same place, alt. 850m, fl. light green, R. C. Ching 8401, Nov. 4th 1928.

Guizhou: Zhen Feng, on cliff, fl. green, Y. Tsiang 4555.

新变种与原变种之区别在于蕊柱上部的翅极狭(宽不及 0.5 毫米), 唇瓣上的胼胝体较小。

广西: 南宁, 十万大山, 海拔 400 米, 生于荫蔽岩壁上, 花淡绿色, 1928 年 10 月 17 日, 秦仁昌 7958 (模式, PE); 同地, 海拔 850 米, 花淡绿色, 秦仁昌 8401。

贵州: 贞丰, 生于岩壁上, 花绿色, 蒋英 4555。

4. 长扇羊耳蒜 新变种

Liparis stricklandiana Rehb. f. var. **longibracteata** S. C. Chen, var. nov.

Differt a typo bracteis pedicellis (cum ovariis) longioribus, labello longiore quam latiore, foliis linearibus 9—11cm latis.

Yunnan: Malipo, Hwang Ging Ying, alt. 1300m, on oak twig, fl. light greenish yellow, Jan. 16th 1940, C. W. Wang 83920 (Holotypus, PE).

与原变种区别在于花苞片比花梗(连子房)长; 唇瓣长大于宽; 叶条形, 宽 9—11 毫米。

云南: 麻栗坡, 海拔 1300 米, 生于橡树树枝上, 花淡绿黄色, 1940 年 1 月 16 日采, 王启无 83920 (模式, PE)。

5. 镇康贝母兰 新种 图版 1:3

Coelogyne zhenkangensis S. C. Chen et K. Y. Lang, sp. nov. (Sect. Elatae)

Species nova insignis labello paulo anchoriformi a speciebus nobis notis bene distincta.

Epiphytica glaberrima; rhizoma elongatum, repens, 3—5mm diam., squamatum; pseudobulbi 3—5.5cm inter se distantes, cylindrici, apicem versus attenuati, 5—7cm longi, 5—8mm lati, bifolii, basi squamis nonnullis oblongo-lanceolatis vel subovatis 2—4.5cm longis extus sparse verruculatis cincti. Folia persistentia, anguste ovato-lanceolata vel oblongo-lanceolata, 8—10.8cm longa, 2—3.2cm lata, apice acuminata vel paulo breviter cuspidata, basi ad petiolos 1.4—2.5 cm longos cuneata. Scapus foliis subaequilongus, a basi ad racemum nudus, sub racemo squamis (bracteis sterilibus) distichis arcte imbricatis munitus; racemus 3—4-florus, rachidi paulo flexuosa, bracteis deciduis; sepala similia, linearia, ca. 1.1cm longa et 2mm lata, apice acuminata, dorso carinata, 5-nervia; petala anguste linearia, sepalis subaequilonga, ca. 0.7mm lata, trinervia; labellum paulo anchoraeforme, ca. 1.1cm longum, trilobum, lobo medio anguste oblongo-oblancoolato ca. 9mm longo et 2.3mm lato apice acuto 5-nervio, lobis lateralibus e basi labelli oblongis ca. 2mm longis et 1.2mm latis apice irregulatum dentatis, disco concavo, nervis 5 praeter eum medium lamelloso-carinatum crassis percurso.

Yunnan: Zhen Kang, alt. 2500m, on bark of tree, March 1936, C. W. Wang 72347 (Holotypus, PE).

新种很独特,具近锚形的唇瓣,可以很好区别于已知种类。

云南: 镇康,海拔 2500 米,生于树皮上,1936 年 3 月,王启无 72347 (模式, PE)。

6. 疣鞘贝母兰 新变种

Coelogyne longipes Lindl. var. **verruculata** S. C. Chen, var. nov. — *Coelogyne flavida* auct. non Hook. f. ex Lindl.: Seidenf. in Dansk Bot. Arkiv **29**(4): f. 37. 1975.

A typo pseudobulbis ovatis vel anguste ovato-oblongis in sicco nitore destitutis, eorum vaginis extus verruculatis, columna elongata ad 1cm longa differt.

Yunnan: Salwin Valley, Sichientong, alt. 1700m, upon bark of tree, in forest, fl. dull greenish yellow with brown lip, July 7th 1938, T. T. Yu 19264 (Holotypus, PE); Gong Shan, on tree, S. Jiang 8742, May 24th 1960.

与原变种区别在于新变种假鳞茎卵形或狭卵状矩圆形,干后无光泽;假鳞茎的鞘外面具小疣状突起,蕊柱延长,达 1 厘米。

云南: 怒江河谷,海拔 1700 米,生于林下树背上,花暗绿黄色,唇瓣棕褐色,1938 年 7 月 7 日,俞德浚 19264 (模式, PE); 贡山,生于树上,姜恕(南水北调队) 8742。

7. 长足石仙桃 新种 图版 1:4

Pholidota longipes S. C. Chen et Tsi, sp. nov. (Sect. Pholidota)

Species nova *P. chinensi* remote affinis, a qua differt pseudobulbis cylindricis, foliis in sicco chartaceis, labello medio contracto intus lamelligero, lamellis in hypochilio duobus et in epichilio tribus.

Epiphytica glabra; rhizoma breve, cylindrico-tuberculiforme, 4—8mm crassum, squamos membranaceos remanens, sparse radicans; pseudobulbi fere aggregati, elongati, cylindrici, apicem versus attenuati, 4—11.5cm longi, medio 3—4mm crassi, bifolii. Folia in sicco chartacea, anguste elliptico-lanceolata, 8—16cm longa, 1.5—3cm lata, apice longe acuminata, basi in petiolos 1—3cm longos sensim angustata, nervis 25—35 utrinque plus minusve prominulis. Scapus e apice pseudobulbi juveni parvi vaginis cincti, racemo 4—5cm longo incluso 6—10cm longus; bractae persistentes, ovatae, concavae, 5—6mm longae, 2.5—3mm latae; flores 7—9, albi, ca. 1.2mm diam.; perianthium usque ad fructus maturitatem persistens; sepala ovata, 11—12mm longa, ca. 5mm lata, apice obtusa vel mucronata, paulo cymbiformia, dorso carinata, 5-nervia; petala ovato-elliptica, sepalis subaequilata sed breviora, apice obtusa; labellum petalis subaequilongum, medio contractum, hypochilio concavo-saccato ca. 5mm longo et 2.5mm in profunditate, prope basin lamellis duobus carinosis ornato, epichilio oblongo ca. 5mm longo et 3mm lato apice mucronato, basi lamellis tribus ca. 1mm longis crassis instructo; columna latior ca. 3mm longa, apoda, utrinsecus alata, alis prope basin columnae angustis, supra medium 0.8—1mm latis, cum clinandrio continuis, sursum antheram parvam oblatam ca. 1mm longam et 1.8mm latam superantibus, apice subrotundis vel truncatis; rostellum late liguliforme, ca. 1mm longum et 2mm latum; pollinia 4 per paria in locellis disposita, obovato-elliptica, ca. 0.8mm longa, apicibus cohaerentia; ovarium cum pedicello 10—12mm longum. Capsula obovata triangula, ca. 1.8cm longa et 1cm lata, in costis anguste alata; pedicellus ca. 4cm longus.

Yunnan: Ma Li Po, alt. 1000m, C. W. Wang 86183, Jan. 4th 1940; Xichou, Fado, alt. 1400m, on wet rock in broad-leaf forest along limestone valley, Jan. 18th 1978, Z. R. Wang 639 (Holotypus, PE).

本新种与石仙桃有疏远的亲缘关系,区别点在于本新种假鳞茎圆柱形;叶在干后坚纸质;唇瓣中部缢缩,内具褶片;褶片在下唇有 2 条,在上唇有 3 条。

云南: 麻栗坡,海拔 1000 米,1940 年 1 月 4 日,王启无 86183; 西畴,法斗,海拔 1400 米,生于石灰岩沟谷阔叶林下的阴湿岩石上,王中仁 639 (模式, PE)。

《植物学通报》创刊通知

《植物学通报》是中国植物学会创办的植物学中级综合性科技刊物,将于今年 9 月由知识出版社出版,双月刊,定价 0.40 元,今年出版两期,由新华书店发行。

主要读者对象: 从事植物学以及有关的农、林、牧、医药、轻工、环保等方面的中、初级科技、教学人员。

主要刊登: 有关植物学各分支学科的研究成果,国内外植物学研究动态、进展,新技术、新方法,专题讲座等。

第一期要目: “对我国植物学会今后发展的几点看法”(汤佩松),“裸子植物系统发育的几个问题”(王伏雄),“高等植物的性别分化”(王纬、曹宗巽),“我国种子生理的研究概况”(郑光华),“香果树、西洋参等的组织培养”,“红花种质资源的研究”,“国际命名法规的简介”和“植物受精作用”的讲座等。

请速到各地新华书店订阅。

