

洛克植物

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摘要 发表洛克植物 20 种(包括变种), 其中洛克百合、棱茎獐牙菜、四川象牙参是新种.

关键词 洛克百合, 棱茎獐牙菜, 四川象牙参

分类号 Q949.7

美籍学者洛克(Rock)于 1932 年 4~10 月在西藏东南部、云南西北部及四川西南部三省交界地方采集植物标本. 中山大学植物标本室(SYS)现在还保存他当年采集的尚未有人鉴定过的部份标本. 这些标本也散存于国外一些标本室里. 它们无疑是十分珍贵的. 今经过鉴定, 计有百合科 14 种(包括变种)、鸢尾科 2 种、兰科 1 种、姜科 1 种、龙胆科 2 种、菊科 1 种. 其中洛克百合、四川象牙参、棱茎獐牙菜是新种.

1 洛克百合 *Lilium Rockii* Miao, sp. nov. (Liliaceae)

Herbae perennes. Bulbus subovoideus, circ. 2.5 cm altus, circ. 1.5 cm diametro; squamae ovatae, 1.8~2.3 cm longae, 4~7 mm latae, caules super bulbum usque ad 13.7 cm positionem radicanes; caulis circ. 46cm altus, sparsim brevi-hirsutus. Folia sparsa, anguste elliptico-linearia, 5.7~6.5 cm longa, 0.7~1.2 cm lata, 3-nervata, margine et nervorum utroque pagina brevi-hirsuta. Flos solitarius terminalis; pedicello circ. 2.2 cm longo, apice leviter arcuato; perianthium luteolum emaculatum (e collectorum scheda); tepalis oblongo-lanceolatis, apice acuminatis, circ. 6.5 cm longis, circ. 1.2 cm latis, basi tepalorum interiorum papillatis, stamina versus centrum aggregata, filamentis subulatis, circ. 1.8 cm longis, glabris, antherae oblongae, circ. 1.2 cm longae; ovarium cylindricum, 1.7 cm longum, 2.5~4mm latum, stylus ovario leviter longior, usque ad 2.4 cm longus; stigmatum leviter dilatato, 3-lobato. Fructus non visus.

Yunnan; Lao-chun shan, southwest of Shi-ku and the Yangtse. August 1932. Joseph F. Rock 25129(Typus, SYS).

Species proxima *L. concore* Salisb., sed caule foliisque utrinque brevi-hirsutis, flore luteolo majore, stylo ovario longiore etc. differt.

2 四川象牙参 *Roscorea sichuanensis* Miao, sp. nov. (Zingiberaceae)

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Herba parva, circ. 12 cm alta; radice fasciculata in fusiformam dilatata. Lepido - vaginae 4 in infimo caulis positae. Flos solitarius, terminalis, folio primigenus, luteus (e collectorum scheda); calyx circ. 3 cm longus, apice inaequaliter difidus, lobi rotundati; corollae tubus calyce longior, laterum lobi 2, ovato - orbiculati, circ. 1.6 cm longi, circ. 1.1 cm lati, apice rotundati, lobus posticus amplior, erectus, circ. 2.2 cm longus, circ. 2 cm latus; staminodia lateralia 2, petaloidea, spatulata, circ. 1.4 cm longa, circ. 0.5 cm lata, apice rotundata; labellum 2 - lobatum, lobi ovato - orbiculares, corollarum lobos laterales amplitudine subaequant; antherae angusto - oblongae, circ. 6 mm longae, basi acuminatae, calcari circ. 4 mm longo; ovarium cylindricum, circ. 1 cm longum, glandibus rubidis omnino distributum, stigmati ampliato, obconico, villosa. Fructus ignotus.

Sichuan; Mt. Siga, west and overlooking the Yalang River, north of Koradi, alt. 12000 feet, alpine meadows, flowers yellow, May 1932, Joseph F. Rock 23852 (Typus, SYS).

Species haec *R. chamaeleo* Gagnep. arcte affinis, sed Flore solitario terminali luteo, corollarum lobis ovato - orbiculatis apice rotundatis etc. differt.

3 棱茎獐牙菜 *Swertia tetragona* Miao, sp. nov. (Gentianaceae)

Sect. *Swertia*

Ser. *Rugosae* T. N. Ho et S. W. Liu

Herbae perennes, 17~21.5 cm altae. Caules erecti, subtetragoni, circ. 2 mm diametro. Folia basilaria 2 - jugata, ovata usque ad ovato - oblonga vel oblonga, 2.5~5.5 cm longa, 1.5~2.2 cm lata, apice rotundata vel obtusa, basi cuneata in petiolos gradatim angustata, nervis majoribus 3 vel 5, sed 2 prope marginem gracilibus, e basi nascentibus, in parte apicali connexis, utrinque conspicuis; petiolo complanato, circ. 0.5~1 cm longo, basi in vagina brevi consociato; folia 1 - jugata in parte centrali caulium posita, ovato - lanceolata, 2.5~3.6 cm longa, 0.8~1.4 cm lata, apice obtusa, basi non petiolaria, libera, 3 - nervata; folia 2 - jugata in parte supera caulium posita ut bracteata, epitiolata, lanceolata vel lineato - lanceolata, 1~2 cm longa, 2.5~5 mm lata, apice obtusa, 1~3 - nervata. Cymae simplices vel compositae, 4.6~6.8 cm longae, florum 3~4; pedicello tetragono, 2~4.2 cm longo, apice curvato; flores 5 - meri 2 - 2.5 cm diam., calyx longitudine corollae dimidiam partem subaequans, calycis lobi lanceolati, 6~8 mm longi, circ. 2 mm lati, apice acuminati; corollae caesio - purpureae, maculatae, corollarum lobi elliptico - lanceolati, 1.2 cm longi, circ. 0.5 cm lati, apice obtusi, praemorsis, basi late unguati, intus infra medium 2 - glandulosi - foveati, glandulosi - foveae orbiculares, basi scrotiformes, margine piloso - fimbriatae, fimbriae 1.5 cm longae; filamenta complanata, subulata, circ. 6 mm longa, dorsorum basi cum vel sine fimbriato - pubescens; antherae angusto - oblongae, circ. 3 mm longae; ovarium sessilis, late lanceolatum, circ. 6 mm longum, stylo manifesto, circ. 1 mm longo, stigmati dilatato, 2 - lobato, lobi semicirculari. Fructus non visus.

Tibet, Western range of Mekong on Kaakerpo, Dokerla and Tsarum, alt. 12500 feet, alpine meadows, flowers greenish purple, May - June 1932, Joseph F. Rock 23084 (Typus,

SYS).

Species nova habitu admondum similaris *S. przewalskii* pissjauk. sed caulibus subtetragonis, corollis caesiopurpureis, filamentis subulatis, stigmatibus dilatato differt.

Appendix

1 Liliaceae

- (1) *Hemerocallis plicata* Stapf. Rock 24164(Sichuan)
- (2) *Lloydia ixioliriodes* Baker. Rock 23203(Tibet)
- (3) *L. oxycarpa* Fr. Rock 23876(Sich.)
- (4) *Lilium souliei* (Fr.) Sealy. Rock23167, 22993(Tib.)
- (5) *L. bakerianum* var. *aureum* Grove et Cotton. Rock 25127(Yunnan)
- (6) *L. bakerianum* var. *rubrum* Stern. Rock 24934(Yun.)
- (7) *L. lophophorum*(Bur. et Fr.) Fr. Rock 24877, 25050(Yun.), 24342(Sich.)
- (8) *L. lophophorum* var. *linearifolium*(Sealy)Liang. Rock 25057(Yun.)
- (9) *Nomocharis meleagrina* Fr. Rock 23216, 22176(Tib.)
- (10) *N. pardanthina* Fr. Rock 25213(Yun.)
- (11) *Allium humile* Kunth. Rock 24649(Yun.)
- (12) *A. prattii* C. H. Wright. Rock 24880(Yun.), 21980(Tib.), 24114(Sich.)

2 Iridaceae

- (13) *Iris goniocarpa* Barker. Rock 24304, 24355(Sich.)
- (14) *I. kemaonensis* D. Don. Rock 24983,24696(Yun.), 23962(Sich.)

3 Orchidaceae

- (15) *Pleione scopulorum* W. W. Smith. Rock 22177(Tib.)

4 Gentianaceae

- (16) *Swertia colycina* Fr. Rock 24918(Yun.)

5 compositae

- (17) *Cremanthodium campanulatum*(Fr.) Diels. Rock 23263(Yun.)

Plantae Rockianae

Miau Ruhuai*

Abstract In this paper 20 species collected by Joseph F. Rock from southeastern Xizang(Tibet), northwestern Yunnan and southwestern Sichuan of China in April – October 1932 are reported. Among them 14 species belong to Liliaceae, 2 Iridaceae, 1 Orchidaceae, 1 Zingiberaceae, 2 Gentianaceae and 1 Compositae of which 3 new taxa are proposed, namely *Lilium Rockii* Miau sp. nov., *Roscorea sichuanensis* Miau sp. nov., *Swertia tetragona* Miau sp. nov., they are mainly described and but then other species follow after them as an enumeration in this paper.

Keywords *Lilium Rockii* Miau, *Roscorea sichuanensis* Miau, *Swertia tetragona* Miau

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