



国产合瓣花植物名称的后选模式指定—— Ⅱ. 报春花科、龙胆科、马鞭草科、唇形科

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摘 要:在整理保存于中国科学院植物研究所中国国家植物标本馆(PE)的国产合瓣花植物模式标本时, 根据《国际藻类、菌类、植物命名法规》(墨尔本法规)规则 9.5, 发现在报春花科中的小点地梅、羽叶点地梅和狭萼报春, 龙胆科中的福建龙胆、云雾龙胆、大花深红龙胆、管花秦艽、五台山龙胆和四数獐牙菜, 马鞭草科中的三花莼, 唇形科中的白苞筋骨草、甘青青兰、血盆草和宽苞峨眉鼠尾草名称的模式为合模式。遵照规则 8.1、9.11 和 9.12, 以及辅则 9A.3 的精神, 对这 14 个名称做出后选模式指定。

关键词:中国; 报春花科; 龙胆科; 马鞭草科; 唇形科; 后选模式; 模式指定

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Lectotypifications of Some Names in Sympetalae from China— Ⅱ. Primulaceae, Gentianaceae, Verbenaceae and Lamiaceae

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Abstract: In type specimens deposited at China National Herbarium (PE), Institute of Botany, Chinese Academy of Sciences, the types of some taxon names in Sympetalae from China are found to be syntypes under Article 9.5 of International Code of Nomenclature for algae, fungi, and plants (Melbourne Code), including *Androsace gmelini* (Lam.) Gärtn. var. *geophila* Hand.-Mazz., *Pomatosace filicula* Maxim. and *Primula stenocalyx* Maxim. in Primulaceae, *Gentiana fukienensis* Ling, *G. przewalskii* Maxim., *G. purpurata* Maxim. ex Kusnez., *G. siphonantha* Maxim. ex Kusnez., *G. wutaiensis* Marq. and *Swertia tetraptera* Maxim. in Gentianaceae, *Caryopteris terniflora* Maxim. in Verbenaceae, *Ajuga lupulina* Maxim., *Dracocephalum tanguticum* Maxim., *Salvia cavaleriei* Lévl. var. *simplicifolia* Stib. and *S. omeiana* Stib. var. *grandibracteata* Stib. in Lamiaceae. According to Article 8.1, 9.11 and 9.12, and Recommendation 9A.3, lectotypes for these fourteen names are here designated.

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Key words: China; Primulaceae; Gentianaceae; Verbenaceae; Lamiaceae; lectotype; typification.

After lectotypes for thirteen names of Ericaceae in Sympetalae from China have been designated^[1], this paper designates lectotypes for some plant names in Primulaceae, Gentianaceae, Verbenaceae and Lamiaceae. Lectotypes for taxon names of other families will be designated one after another.

1 Primulaceae

1.1 *Androsace gmelini* (Lam.) Gärtn. var. *geophila* Hand.-Mazz.

in Acta Hort. Gothob. 2: 112. 1926. **Type:** China. Sichuan: Songpan, alt. 3 200 m, 11 July 1922, H. Smith 2957 (lectotype, PE Herb. Bar Code No. 00027774, designated here, PE!).

When *Androsace gmelini* (Lam.) Gärtn. var. *geophila* Hand.-Mazz. was published in 1926, the author cited two gatherings (H. Smith 2957 and 2466) without indicating the type in the protologue^[2].

After retrieving the syntype specimen H. Smith 2957 (= PE Herb. Bar Code No. 00027774), UPS given by the author's work unit to PE, this specimen is chosen as the lectotype because it is better preserved (with complete roots, stems, leaves, fruits and seeds), agrees with the protologue, was signed a new variety determination label by Hand.-Mazz. and has a basic data label on the mounting paper.

1.2 *Pomatosace filicula* Maxim.

in Bull. Acad. Imp. Sci. St.-Petersbourg 27: 500. 1881. **Type:** China. Qinghai: Tangut (= Qilianshan), 10–22 July 1880, N. M. Przewalski s. n. (lectotype, PE Herb. Bar Code No. 00027738, designated here, PE!).

When *Pomatosace filicula* Maxim. was published in 1881, the author cited the specimens collected by Przewalski in June (flowers) and July (fruits) 1880 without indicating the type in the protologue^[3].

After retrieving the syntype specimen N. M. Przewalski s. n. (= PE Herb. Bar Code No.

00027738), LE given by the author's work unit to PE, this specimen is chosen as the lectotype because it is better preserved (with complete roots, stems, leaves and fruits), agrees with the protologue, was collected by N. M. Przewalski in 10–22 July 1880 and signed a new species determination label by Maxim., has a basic data label on the mounting paper.

1.3 *Primula stenocalyx* Maxim.

in Bull. Acad. Imp. Sci. St.-Petersbourg 27: 498. 1881. **Type:** China. Qinghai: Terra Tangutorum (= Qilianshan), in 1873, N. M. Przewalski s. n. (lectotype, PE Herb. Bar Code No. 00027747, designated here, PE!).

When *Primula stenocalyx* Maxim. was published in 1881, the author cited the specimens collected by Przewalski in 1873 and 1880 without indicating the type in the protologue^[3].

After retrieving the syntype specimen N. M. Przewalski s. n. (= PE Herb. Bar Code No. 00027747), LE given by the author's work unit to PE, this specimen is chosen as the lectotype because it is better preserved (with complete roots, stems, leaves and flowers), agrees with the protologue, was collected by N. M. Przewalski in 1873 and signed a new species determination label by Maxim., has a basic data label on the mounting paper.

2 Gentianaceae

2.1 *Gentiana fukienensis* Ling

in Contr. Inst. Bot. Nat. Acad. Peiping 6 (4): 217. 1949. **Type:** China. Fujian: Shanghang, alt. 1 350–1 500 m, 20 October 1945-10-20, Y. Ling 4604 (lectotype, PE Herb. Bar Code No. 00029391, designated here, PE!).

When *Gentiana fukienensis* Ling was published in 1949, a gathering Y. Ling 4604 in two herbaria (Herb. Inst. Bot. Acad. Peiping and Herb. Fukien Prov. Acad.) was designated as the type by the author^[4].

Herb Inst. Bot. Acad. Peiping = PE now,

the syntype specimen Y. Ling 4604 (= PE Herb. Bar Code No. 00029391) is here chosen as the lectotype.

2.2 *Gentiana przewalskii* Maxim.

in Bull. Acad. Imp. Sci. St.-Petersbourg 27: 502. 1881. **Type:** China. Qinghai: Terra Tangutorum (= Qilianshan), 10–22 August 1872, N. M. Przewalski s. n. (lectotype, PE Herb. Bar Code No. 00029368, designated here, PE!).

When *Gentiana przewalskii* Maxim. was published in 1881, the author cited the specimens collected by Przewalski in 1872 and 1880 without indicating the type in the protologue^[3].

After retrieving the syntype specimen N. M. Przewalski s. n. (= PE Herb. Bar Code No. 00029368), LE given by the author's work unit to PE, this specimen is chosen as the lectotype because it is better preserved (with complete roots, stems, leaves and flowers), agrees with the protologue, was collected by N. M. Przewalski in 10–22 August 1872 and signed a new species determination label by Maxim., has a basic data label on the mounting paper.

2.3 *Gentiana purpurata* Maxim. ex Kusnez.

in Bull. Acad. Imp. Sci. St.-Petersbourg 34: 506. 1891. **Type:** China. Sichuan; Precise locality not known, 13 August 1885, G. N. Potanin s. n. (lectotype, PE Herb. Bar Code No. 00029369, designated here, PE!).

When *Gentiana purpurata* Maxim. ex Kusnez. was published in 1891, the author cited two gatherings (Henry 7271, and Potanin s. n. collected in 13 August 1885) without indicating the type in the protologue^[5].

After retrieving the syntype specimen G. N. Potanin s. n. (= PE Herb. Bar Code No. 00029369), LE given by the author's work unit to PE, this specimen is chosen as the lectotype because it is better preserved (with complete roots, stems, leaves and flowers), agrees with the protologue, was collected by G. N. Potanin in 13 August 1885 and signed a new species determination label by Maxim., has a basic data label on the mounting paper.

2.4 *Gentiana siphonantha* Maxim. ex Kusnez.

in Bull. Acad. Imp. Sci. St.-Petersbourg 34: 506. 1891. **Type:** China. Qinghai: Tangut (= Qilianshan), alt. 3 300–3 700 m, 9 July 1880, N. M. Przewalski s. n. (lectotype, PE Herb. Bar Code No. 00029373, designated here, PE!).

When *Gentiana siphonantha* Maxim. ex Kusnez. was published in 1891, the author cited the specimens collected by Przewalski in 17 July 1872, 4 July 1879, 9 July 1880, 30 July 1884, and Grum-Grshimailo in 8 June 1890 without indicating the type in the protologue^[5].

After retrieving the syntype specimen N. M. Przewalski s. n. (= PE Herb. Bar Code No. 00029373), LE given by author's work unit to PE, this specimen is chosen as the lectotype because it is better preserved (with complete roots, stems, leaves and flowers), agrees with the protologue, was collected by N. M. Przewalski in 9 July 1880 and signed a new species determination label by Maxim., has a basic data label on the mounting paper.

2.5 *Gentiana wutaiensis* Marq.

in Bull. Misc. Inform., Kew 1931(2): 80. 1931. **Type:** China. Shanxi: Wutaishan, alt. 1 800–3 000 m, 18 July 1929, T. Tang 1110 (lectotype, PE Herb. Bar Code No. 00028002, designated here, PE!).

When *Gentiana wutaiensis* Marq. was published in 1931, the author cited two gatherings (Hancock 62 and T. Tang 1110) without indicating the type in the protologue^[6].

T. Tang 1110 (= PE Herb. Bar Code No. 00028002) is chosen as the lectotype because it is better preserved (with complete roots, stems, leaves and flowers), agrees with the protologue and has a basic data label on the mounting paper.

2.6 *Swertia tetraptera* Maxim.

in Bull. Acad. Imp. Sci. St.-Petersbourg 27: 503. 1881. **Type:** China. Qinghai: Tangut (= Qilianshan), 1–13 July 1872, N. M. Przewalski s. n. (lectotype, PE Herb. Bar Code No. 00029454, designated here, PE!).

When *Swertia tetraptera* Maxim. was pub-

lished in 1881, the author cited the specimens collected by Przewalski in 1872 and 1880 without indicating the type in the protologue^[3].

After retrieving the syntype specimen N. M. Przewalski s. n. (= PE Herb. Bar Code No. 00029454), LE given by author's work unit to PE, this specimen is chosen as the lectotype because it is better preserved (with complete roots, stems, leaves and flowers), agrees with the protologue, was collected by N. M. Przewalski in 1—13 July 1872 and signed a new species determination label by Maxim., has a basic data label on the mounting paper.

3 Verbenaceae

3.1 *Caryopteris terniflora* Maxim.

in Bull. Soc. Imp. Nat. Mosc. 54(1): 40. 1879. **Type:** China. Shaanxi: Precise locality not know, 11 April 1875, Piasezky s. n. (lectotype, PE Herb. Bar Code No. 00029695, designated here, PE!).

When *Caryopteris terniflora* Maxim. was published in 1879, the author cited the specimens collected by Piasezky in Shaanxi, China, in 11 April 1875, and in Gansu, China, in 11 June 1875 without indicating the type in the protologue^[7].

After retrieving the syntype specimen Piasezky s. n. (= PE Herb. Bar Code No. 00029695), LE given by author's work unit to PE, this specimen is chosen as the lectotype because it is better preserved (with complete roots, stems, leaves and flowers), agrees with the protologue, was collected by Piasezky in 11 April 1875 and signed a new species determination label by Maxim., has a basic data label on the mounting paper.

4 Lamiaceae

4.1 *Ajuga lupulina* Maxim.

in Bull. Acad. Imp. Sci. St.-Petersb. 23(2): 391. 1877. **Type:** China. Gansu: Terra Tangutorum (= Qilianshan), 1—13 July 1872, N. M. Przewalski s. n. (lectotype, PE Herb. Bar Code No. 00029682, designated here, PE!).

When *Ajuga lupulina* Maxim. was published

in 1877, the author cited the specimens collected by Przewalski in Gansu, China, in 1872, and Hancock in Beijing, China, in 1876 without indicating the type in the protologue^[8].

After retrieving the syntype specimen N. M. Przewalski s. n. (= PE Herb. Bar Code No. 00029682), LE given by author's work unit to PE, this specimen is chosen as the lectotype because it is better preserved (with complete stems, leaves and flowers), agrees with the protologue, was collected by Przewalski in Gansu, China, in 1872 and signed a new species determination label by Maxim., has a basic data label on the mounting paper.

4.2 *Dracocephalum tanguticum* Maxim.

in Bull. Acad. Imp. Sci. St.-Petersb. 27: 530. 1881. **Type:** China. Gansu: Terra Tangutorum (= Qilianshan), 26 June 1872, N. M. Przewalski s. n. (lectotype, PE Herb. Bar Code No. 00029687, designated here, PE!).

When *Dracocephalum tanguticum* Maxim. was published in 1881, the author cited the specimens collected by Przewalski in Gansu, China, in 1872 and 1880 without indicating the type in the protologue^[3].

After retrieving the syntype specimen N. M. Przewalski s. n. (= PE Herb. Bar Code No. 00029687), LE given by author's work unit to PE, this specimen is chosen as the lectotype because it is better preserved (with complete roots, stems, leaves, flowers and young fruits), agrees with the protologue, was collected by Przewalski in Gansu, China, in 1872 and signed a new species determination label by Maxim., has a basic data label on the mounting paper.

4.3 *Salvia cavaleriei* Lévl. var. *simplicifolia* Stib.

in Acta Horti Gotoburg. 10: 61. 1935. **Type:** China. Chongqing: Nanchuan, alt. 1 525—1 830 m, 16 May 1928, W. P. Fang 793 (lectotype, PE Herb. Bar Code No. 00830178, designated here, PE!).

When *Salvia cavaleriei* Lévl. var. *simplicifolia* Stib. was published in 1935, the author cited

sixteen gatherings (Ching 5879, Sin 9846, Wilson, Veitch Exped. 1335, 5114, 5115, Handel-Mazzetti 10948, 10152, Steward, Chiao & Cheo 304, Fang 793, 1181, 1185, 1342, Bock & Ros-thorn 358, 485, 964 and Faber 799) without indi-cating the type in the protologue^[9].

W. P. Fang 793 (= PE Herb. Bar Code No. 00830178) is chosen as the lectotype because it is better preserved (with complete roots, stems, leaves, flowers and young fruits), agrees with the protologue and has a basic data label on the mount-ing paper.

4.4 *Salvia omeiana* Stib. var. *grandibracteata* Stib.

in Acta Horti Gotoburg. 9: 120. 1934. **Type:** China. Sichuan; Pingwu, 16 August 1928, W. P. Fang 4227 (lectotype, PE Herb. Bar Code No. 00031259, designated here, PE!).

When *Salvia omeiana* Stib. var. *grandi-bracteata* Stib. was published in 1934, the author

cited two gatherings (Fang 4227 and Handel-Maz-zetti 5489) without indicating the type in the pro-tologue^[10].

W. P. Fang 4227 (= PE Herb. Bar Code No. 00031259) is chosen as the lectotype because it is better preserved (with complete stems, leaves and flowers), agrees with the protologue, was signed a new species determination label by E. Stibal, has a basic data label on the mounting pa-per.

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