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---

BOTANY.

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LONDON:

SOLD AT THE SOCIETY'S APARTMENTS, BURLINGTON HOUSE,  
PICCADILLY, W.,

AND BY

LONGMANS, GREEN, AND CO.,

AND

WILLIAMS AND NORGATE.

1903-1905.

ENUMERATION

OF

ALL THE PLANTS KNOWN

FROM

CHINA PROPER, FORMOSA, HAINAN, THE COREA,  
THE LUCHU ARCHIPELAGO.

AND

THE ISLAND OF HONGKONG;

TOGETHER WITH THEIR

DISTRIBUTION AND SYNONYMY.

(CONTINUED FROM VOL. XXVI.)

133. HYDROCHARIDACEÆ.

(By C. H. WRIGHT, A.L.S.)

1. *Hydrilla verticillata*, Royle, *Ill. Bot. Himal.* t. 376 (1839):  
*Presl; Bemerk.* p. 112 (1844); *Casparij, in Pringsh. Jahrb.* i.  
(1858) p. 494; *Maxim. Fl. As. Or. Fragm.* p. 59; *Hook. f. Fl.*  
*Brit. Ind.* v. p. 659.

*Hydrilla verticillata*, var. *Roxburghii*, *Casp. in Pringsh. Jahrb.* i. (1858)  
p. 494.

*Hydrilla verticillata*, var. *crispa*, *Casp. l. c.*

*Hydrilla dentata*, *Casp. in Bot. Zeit.* xii. (1854) p. 56.

*Hydrilla japonica*, *Miq. in Ann. Mus. Bot. Lugd.-Bat.* ii. p. 271.

*Serpicula verticillata*, *Roxb. Pl. Corom.* ii. t. 164.

CHILI: Peking Plain (*Bretschneider ex Maximowicz; Moellen-*  
*dorf in hb. Hance, 20353!*); KIANGSU: Kiaingnan (*Staunton!*);  
HUPEH: Ichang (*A. Henry, 4368!*); KWANGTUNG (*Ford!*),  
Lienchau River (*Graves!*). Mus. Brit.: Herb. Kew.

Central Europe, Tropical Asia and Australia, Mascarene  
Islands.

1. *Glossula tentaculata*, *Lindl. Bot. Reg.* x. (1824) t. 862.

*Glossaspis tentaculata*, *Spreng. Syst. Veg.* iii. p. 694; *Benth. Fl. Hongk.* p. 361.

*Glossaspis antennifera*, *Reichb. f. in Linnæa*, xv. (1852) p. 225.

*Habenaria tentaculata*, *Reichb. f. Otia Bot. Hamb.* p. 34; *Trans. Linn. Soc.* xxx. (1874) p. 139; *Kränzl. in Engl. Bot. Jahrb.* xvi. (1892) p. 160, partim.

CHINA: without locality (*Fortune*, 182!); KWANGTUNG: Maisaou, at 1800 ft. (*Tate*!), Lofaushan, at 600 ft. (*Ford*!), Lienchau, Canton (*Lamont*!); HONGKONG (*Champion*, 30! *Wright*, 523! *Wilford*, 282! *Lamont*, 772! *Bowring*! *Hance*, 524!). *Herb. Kew.*

Siam and Cambodia.

This plant has been confused with *Habenaria lacertifera*, *Benth.*, and *H. leptoloba*, *Benth.* Whether it can be retained as a separate genus is perhaps doubtful, but its specific distinctness can hardly be called in question.

1. *Satyrium nepalense*, *D. Don, Prodr. Fl. Nepal.* p. 26; *Lindl. Gen. & Sp. Orch.* p. 340; in *Journ. Linn. Soc., Bot.* iii. (1859) p. 44; *Bot. Mag.* t. 6625; *Hook. f. Fl. Brit. Ind.* vi. p. 168.

SZECHUEN: Tatsienlou (*Soulié*, 62, 433!); YUNNAN: Mengtze, S.E. mts., among grass at 6000 ft. (*A. Henry*, 9192, 9192 B!); south of Red River, from Mamnei, at 6000 ft. (*A. Henry*, 9192 A!). *Herb. Kew.*

North and South India and Ceylon.

A widely diffused and variable species.

#### ORCHIDACEÆ: CYPRIPEDEÆ.

1. *Cypripedium arietinum*, *R. Br. in Ait. Hort. Kew.* ed. 2, v. p. 222; *Bot. Mag.* t. 1567; *Lindl. Gen. & Sp. Orch.* p. 529; *Franch. in Bull. Soc. Bot. Fr.* xxxiii. (1886) p. 206; *Bull. Soc. Philom. Paris, sér. 7, xii.* (1891) p. 140; in *Journ. Bot.* viii. (1894) p. 252.

*Cypripedium plectrochilon*, *Franch. in Bull. Soc. Bot. Fr.* xxxii. (1885) p. 27.

HUPEH: S. Patung (*A. Henry*, 5474!); SZECHUEN: without locality (*Pratt*, 87, 763!); YUNNAN: Mt. Chetchotze (*Delavay*, 1020!). *Mus. Brit.*; *Herb. Kew.*

Canada and North-east United States:

2. *Cypripedium Calceolus*, Linn. *Sp. Pl.* p. 951; Lindl. *Gen. & Sp. Orch.* p. 527; Reichb. *Fl. Germ.* xiii.-xiv. p. 167, t. 496; Palibin, in *Act. Hort. Petrop.* xiv. (1895) p. 140.

CHIHLI: Huangtuliangtze (*Putjata et Borodowsky, ex Palibin*). Europe and Central Asia.

3. *Cypripedium corrugatum*, Franch. in *Journ. de Bot.* viii. (1894) p. 251.

YUNNAN: calcareous hills at the sources of the Peechaha, at 3500 m. (*Delavay, 3478*); calcareous rocks at Maculchan (*Delavay*).

Var. *obesa*, Franchet, l. c.

YUNNAN: woods at Lienyn, at 2800 m.; also Koutoui and Fangyangtchang (*Delavay*).

Only known to me from description.

4. *Cypripedium ebracteatum*, Rolfe, in *Kew Bulletin* (1896), p. 204.

HUPEH (*A. Henry, 1404 (2)!*). Mus. Brit.

A remarkable ebracteate species, differing from *C. micranthum*, Franch., in its much larger flowers, and from *C. margaritaceum*, Franch., and *C. Fargesii*, Franch., in its saccate lip. The only specimen seen is at the British Museum, and it has been mixed with *C. japonicum*, Thunb.

5. *Cypripedium Fargesii*, Franch. in *Journ. de Bot.* viii. (1894) p. 267.

SZECHUEN: Tchenkéoutin, at 2000 m. (*Farges, 585!*). Herb. Kew.

Much larger than *C. margaritaceum*, of which it may possibly be a luxuriant state.

6. *Cypripedium fasciolatum*, Franch. in *Journ. de Bot.* viii. (1894) p. 232.

SZECHUEN: woods of Heoupin, near Tchenkeou, at 2200 m. (*Farges, 922!*). Herb. Kew.

7. *Cypripedium guttatum*, Sw. in *Vet. Akad. Nya Handl. Stockh.* xxi. (1800) p. 251; Lindl. *Gen. & Sp. Orch.* p. 529; Ledeb. *Fl. Ross.* iv. p. 88; Maxim. *Prim. Fl. Amur.* p. 270; F. Schmidt, *Reis. in Amurl. und Ins. Sachalin*, p. 184; Reichb. *Fl. Germ.* xiii.-xiv. p. 166, t. 495; *Fl. des Serras*, t. 573; Franch. in *Journ. de Bot.* viii. (1894) p. 253.

CHIHLI: Peking mountains, at 6000 ft. alt. (*Hancock*, 14! *Bretschneider*!); SIAOWUTAISHAN (*Möllendorff*!); IPEHOASHAN (*David*); SYLINGCHAN (*Provot*, 136); SHINGKING: Toonghwahein (*Ross*, 33!); SZECHUEN: without locality (*Pratt*, 264!); Tongolo (*Soulié*, 311, ex *Franchet*, 327, 328!). Mus. Brit.; Herb. Kew.

Widely diffused from Central Europe, through temperate Asia, to Alaska, in the neighbourhood of the Mackenzie River.

8. *Cypripedium Henryi*, *Rolfe*, in *Kew Bulletin* (1892), p. 211; *Franch. in Journ. de Bot.* viii. (1894) p. 271.

*Cypripedium chinense*, *Franch. in Journ. de Bot.* viii. (1894) p. 230.

HUPEH: S. Patung (*A. Henry*, 5391 A!), Chienshih (*A. Henry*, 5391 D!); SZECHUEN: S. Wushan (*A. Henry*, 5391 B!), Kimise near Tchenkéoutin, at 1200 m. (*Farges*, 1036, ex *Franchet*). Herb. Kew.

9. *Cypripedium himalaicum*, *Rolfe*, in *Journ. Linn. Soc., Bot.* xxix. (1892) p. 319; *Franch. in Journ. de Bot.* viii. (1894) p. 249.

*Cypripedium macranthum*, *Hook. f. Fl. Brit. Ind.* vi. p. 170, partim (non Sw.).

SZECHUEN: without locality (*Pratt*, 748!). Herb. Kew.  
Sikkim and Nepal.

10. *Cypripedium japonicum*, *Thunb. Fl. Jap.* p. 30; *Ic. Pl. Jap.* i. t. 1; *Lindl. Gen. & Sp. Orch.* p. 529; *Blume, Coll. Orch.* p. 169, t. 59; *Franch. et Savat. Enum. Pl. Jap.* ii. p. 40; *Franchet, in Journ. de Bot.* viii. (1894) p. 254.

HUPEH: Patung (*A. Henry*, 1404, 3777!); SZECHUEN: Tchenkéoutin (*Farges*, 649, ex *Franchet*). Mus. Brit.; Herb. Kew.

Japan.

11. *Cypripedium luteum*, *Franch. Pl. David.* ii. p. 126; *id. in Journ. de Bot.* viii. (1894) p. 228.

HUPEH: Fang, at 7000 ft. (*A. Henry*, 5391 E, 6740!); SZECHUEN: Tatsienlou (*Soulié*, 413! *Prince Henri d'Orleans & R. P. Soulié*, 576), without locality (*Pratt*, 263!); Tchenkéoutin (*Farges*, 134 bis). Herb. Kew.

Tibet.

12. *Cypripedium macranthum*, Sw. in *Vet. Akad. Nya Handl. Stockh.* xxi. (1800) p. 251; *Bot. Mag.* t. 2938; *Bot. Reg.* t. 1534; *Lindl. Gen. & Sp. Orch.* p. 528; *Ledeb. Fl. Ross.* iv. p. 87; *Reichb. Fl. Germ.* xiii.-xiv. p. 169, t. 498; *Franch. et Savat. Enum. Pl. Jap.* ii. p. 40; *Hook. f. Fl. Brit. Ind.* vi. p. 170, partim; *Franch. in Journ. de Bot.* viii. (1894) p. 232.

CHIHLI: Pohuashan (David, 2216! Möllendorff, 431!), Siao-wutaishan, at 5000 ft. alt. (Möllendorff!), Peking mountains, at 5000 ft. (Hancock, 13! Bretschneider! David, 3!), Sylingchan (Bodinier et Provot); SHINGKING: Toonghwahien (Rosa, 54!), Mukden to Yaloo River (Webster, 34!), between Mukden and Tungcheshien (James!); SZECHUEN: Tchenkéoutin (Farges, 509, ex Franchet). Mus. Brit.; Herb. Kew.

Central Russia to Eastern Siberia and Japan.

13. *Cypripedium margaritaceum*, Franch. in *Bull. Soc. Phil. Par. sér. 7*, xii. (1891) p. 141; — *Reprint*, p. 8; *Orchidophile*, 1888, p. 368, with plate; *Rolfe, in Gard. Chron.* (1889) i. p. 43; *Franch. in Journ. de Bot.* viii. (1894) p. 265.

YUNNAN: on mount Tsangchan, above Tali (Delavay, 282); also above Mosoyn, and at Hec-chan-men (Delavay).

14. *Cypripedium micranthum*, Franch. in *Journ. de Bot.* viii. (1894) p. 265.

SZECHUEN: in woods at Heoupin, near Tchenkéoutin, at 2000 m. (Farges, 1286!).

15. *Cypripedium tibeticum*, King, ex Rolfe, in *Journ. Linn. Soc., Bot.* xxix. (1892) p. 320; *Franch. in Journ. de Bot.* viii. (1894) p. 250 (*tibeticum*).

*Cypripedium macranthum*, Hook. f. *Fl. Brit. Ind.* vi. p. 170, partim (non Sw.).

SZECHUEN: Tongolo (Soulié, 953!), without locality (Pratt, 14, 42, 301, 736!), between Batang and Litang (Prince Henri d'Orleans), Tatsienlou (Soulié, 312). Herb. Kew.

Tibet.

16. *Cypripedium yunnanense*, Franch. in *Journ. de Bot.* viii. (1894) p. 231.

YUNNAN: forests of Hec-chan-men (Delavay, 2450); Mosoyn, in the woods of Koutou, at 2800 m. (Delavay, ex Franchet).

Only known to me from the description.

1. *Paphiopedilum Parishii*, Pfitz. in *Engl. Bot. Jahrb.* xix. (1894) p. 41.

*Cypripedium Parishii*, Reichb. f. in *Flora*, lii. (1869), p. 322, et in *Gard. Chron.* (1869) pp. 814, 1158, cum fig.; *Bot. Mag.* t. 5791; *Williams, Orch. Alb.* ii. t. 86; *Ill. Hort.* xxii. t. 214.

*Selenipedium Parishii*, Jolibois, in *Rev. Hort.* (1885) p. 132.

YUNNAN: Mengtze, on mountains at 6000-7000 ft. (*Hancock*, 582!). *Herb. Kew.*

Burma.

2. *Paphiopedilum purpuratum*, Pfitz. in *Engl. Bot. Jahrb.* xix. (1894) p. 40.

*Cypripedium purpuratum*, Lindl. in *Bot. Reg.* xxiii. t. 1991; *Gen. & Sp. Orch.* p. 530; *Bot. Mag.* t. 4901; *Benth. Fl. Hongk.* p. 364; *Godefr.-Lebeuf & Brown. Les Cyrip.* t. 5.

*Cypripedium sinicum*, Hance, in *Walp. Ann.* iii. p. 602.

HONGKONG (*Champion*, 29!, *Wilford*, 283! *Ford*, 443!). *Mus. Brit.*; *Herb. Kew.*

An endemic species. In the original description it is said to have been introduced to cultivation from the Malayan Archipelago, which is clearly an error; while in the 'Flora Hongkongensis,' Khasia is given as one of its habitats; but the specimen on which this remark is based is a piece of *C. venustum*, Wall., collected by Griffith, and mounted on the same sheet as *purpuratum*.

### 136. SCITAMINEÆ.

(By C. H. WRIGHT, A.L.S.)

1. *Globba dulbosa*, Gagnep. in *Bull. Soc. Bot. France*, xlviii. (1901) p. 202, pl. iv. figg. 1-6.

KWEICHAU: environs of Kweiyang (*Bodinier*, ex *Gagnepain*).

1. *Roscoea alpina*, Royle, *Ill. Him. Bot.* p. 361, t. 89. fig. 1; *Wight, Ic. Pl. Ind. Or.* t. 2013, fig. 1; *Horan. Monogr. Scit.* p. 20; *Hook. f. Fl. Brit. Ind.* vi. p. 207.

*Roscoea purpurea*, Royle, *Ill. Him. Bot.* p. 361, t. 89. fig. 3.

*Roscoea purpurea*, var. *minor*, *Wall. Cat.* n. 6528, D & E.

SZECHUEN: Tachienlou (*Pratt*, 518!).

Northern India.

2. *Roscoea capitata*, var. *purpurata*, Gagnep. in *Bull. Soc. Bot. France*, xlviii. (1901) p. lxxiv.