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An Enumeration of all the Plants known from China Proper, Formosa, Hainan, Corea, the Luchu Archipelago, and the Island of Hongkong, together with their Distribution and Synonymy. By FRANCIS BLACKWELL FORBES, F.L.S., Knight Commander of the Swedish Royal Order of Wasa; and WILLIAM BOTTING HEMSLEY, A.L.S., Honorary Member of the Mexican Natural History Society, Assistant for India in the Herbarium of the Royal Gardens, Kew. (Map, and Plates I.-XIV.)	Page 1-489
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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.

1. RANUNCULACEÆ.

1. *Clematis acerifolia*, *Maxim. Fl. As. Or. Fragm.* p. 2; *Kuntze, Monogr. Gatt. Clem.* p. 142.

CHIHLI: Pohuashan (*B. etschneider*!). Herb. Kew.

2. *Clematis æthussefolia*, *Turez. in Bull. Mosc.* v. p. 181; *Maxim. in Mél. Biol.* ix. p. 586; *Franchet, Pl. David.* p. 12.

Clematis nutans, *Royle, d. æthusifolia*, *Kuntze, Monogr. Gatt. Clem.* p. 129.

CHIHLI: near Peking (*Tatarinow! Kirilow! Bushell! Williams!*); KANSUH (*Przewalski ex Maximowicz*). Herb. Kew.

Mandschuria.

3. *Clematis alpina*, *Mill. Dict.* ed. viii. n. 9; *DC. Prodr.* i. p. 10; *Franchet, Pl. David.* p. 14.

Atragene alpina, *Linn.; Maxim. in Mél. Biol.* ix. p. 603.

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B

CHIHLI: Pohuashan (*Kirilow! Bretschneider!*); Jehol (*David ex Franchet*). Herb. Kew.

Europe; Siberia.

4. *Clematis angustifolia*, *Jacq. Enum.* p. 310, *Collect.* i. p. 137, et *Ic. Pl. Rar.* i. t. 104; *DC. Prodr.* i. p. 7; *Maxim. in Mél. Biol.* ix. p. 594, et *Fl. As. Or. Fragm.* p. 2; *Debeaux, Fl. Tché-fou*, p. 22 (var. *tchefouensis*); *Franchet, Pl. David.* p. 14.

Clematis recta, *Linn.*, *η. angustifolia*, *Kuntze, Monogr. Gatt. Clem.* p. 112.

CHIHLI: Peking (*Bushell! Hancock!*); SHINGKING: Talienhwan (*Swinhoe!*); Chienshan (*Ross!*); SHANTUNG (*Maingay! Hancock!*). Mus. Brit.; Herb. Kew.

Dahuria, Mongolia, and Mandshuria.

5. *Clematis apiifolia*, *DC. Syst.* i. p. 149, et *Prodr.* i. p. 6; *Maxim. in Mél. Biol.* ix. p. 593; *Benth. Fl. Hongk.* p. 7; *Hook. et Arn. Bot. Beech. Voy.* p. 528; *Miq. in Ann. Mus. Bot. Lugd. Bat.* iii. p. 2.

Clematis virginiana, *Lour. Fl. Cochinch.* p. 345, *ex Maxim. l. c.* p. 594 (ubi *sphalmate virginica*).

FOKIEN: near Amoy (*Fortune, A. 86!*); COREAN ARCHIPELAGO (*Oldham, 6!*); LUCHU ARCHIPELAGO (*Beechey!*). Mus. Brit.; Herb. Kew.

Japan.

6. *Clematis Benthamiana*, *Hemsl.*

Clematis terniflora, *Benth. Fl. Hongk.* p. 7, (sphalmate *C. ternifolia*), *non DC.*; *F. B. Forbes in Journ. Bot.* 1884, p. 265; *Maxim. in Mél. Biol.* ix. p. 596, *pro parte*.

CHEKIANG: Ningpo (*hb. Forbes!*); CHUSAN ARCHIPELAGO: Pootoo (*Carles, hb. Forbes!*); FOKIEN: Amoy (*Fortune, A. 89!*). Mus. Brit.; Herb. Kew.

In order to terminate the confusion in which the names *terniflora*, *ternifolia*, and *tenuiflora* are involved in this genus, a new one is given to this species. The original *terniflora* proves to be a compound of *C. chinensis*, *Retz.*, and *C. recta*, *Linn.*

7. *Clematis brachyura*, *Maxim. in Mél. Biol.* ix. p. 598.

Clematis paniculata, *Thunb.*, forma? *pauciflora*, *Miq. in Ann. Mus. Bot. Lugd. Bat.* iii. p. 1.

COREA (*Carles!*); COREAN ARCHIPELAGO: Long Beach (*Oldham, 7!*). Herb. Kew.

8. *Clematis brevicaudata*, DC. *Syst.* i. p. 138, et *Prodr.* i. p. 3; *Maxim. in Mém. Biol.* ix. p. 592; *Franchet, Pl. David.* p. 14.

CHIHLI: Peking (*Tatarinow*!), between Peking and Jehol (*Staunton*!); Western Hills (*Bushell*! *Bretschneider*!); SHENSI or KANSUH: Tsunglin range (*Piasezki ex Maximowicz MSS.*); COREA (*Carles*!). Mus. Brit.; Herb. Kew.

Mongolia, Mandshuria.

9. *Clematis cæsarata*, Hance in *Journ. Bot.* 1870, p. 71; *Maxim. in Mém. Biol.* ix. p. 586.

FOKIEN (*de Grijs*, 6670!). Herb. Kew.

Hance quotes the number 6700; still there is no doubt that the Kew plant bearing the number 6670 in Hance's handwriting is this species.

10. *Clematis chinensis*, Retz. *Obs.* ii. p. 18, t. 2; DC. *Prodr.* i. p. 3; *F. B. Forbes in Journ. Bot.* 1884, pp. 262 et 265; *Maxim. in Mém. Biol.* ix. p. 596, quoad spec. Fortune 94.

Clematis sinensis, Lour. ex DC. *Syst.* i. p. 137.

Clematis minor, DC. *Syst.* i. p. 136, an Lour. *Fl. Coch.* p. 345?; *F. B. Forbes, Journ. Bot.* 1884, p. 263.

Clematis terniflora, DC., quoad spec. *C. Flammula* var. in Herb. Linn.

CHINA: without locality (*Bladh*, spec. typ. in Mus. Brit.!; *Baird*! *Dorward*!); FOKIEN: Amoy (*Fortune*, 94! *Hance*, 1476!); FORMOSA (*Swinhoe*!). Mus. Brit.; Herb. Kew.

The plant alluded to by Bentham (*Fl. Hongk.* p. 7) under the name *C. ternifolia*, DC. (a slip of the pen for *C. terniflora*, DC.), is a distinct species, *C. Benthamiana*, Hemsl.

11. *Clematis crassifolia*, Benth. *Fl. Hongk.* p. 7; Kuntze, *Monogr. Gatt. Clem.* p. 152.

HONGKONG: in a ravine on Victoria Peak (*Wilford*, 106!). Herb. Kew.

12. *Clematis grata*, Wall. *Pl. As. Rar.* i. t. 98; *Hook. f. Fl. Brit. Ind.* i. p. 3; *Maxim. in Mém. Biol.* ix. p. 592.

SHENSI or KANSUH: Tsunglin range (*Piasezki ex Maximowicz MSS.*); FORMOSA: north-east side (*Wilford*, 502!); without locality (*Oldham*, 2!). Mus. Brit.; Herb. Kew.

Afghanistan, eastward through the Himalayas; also in Tropical Africa.

13. *Clematis Hancockiana*, Maxim. *Fl. As. Or. Fragm.* p. 1.
CHEKIANG: hills west of Ningpo (*Hancock*!). Herb. Kew.

14. *Clematis heracleæfolia*, DC. *Syst.* i. p. 138; *F. B. Forbes*
n Journ. Bot. 1884, p. 263; *Kuntze, Monogr. Gatt. Clem.*
p. 182.

Clematis tubulosa, Turcz. in *Bull. Mosc.* 1837, x. p. 148; *Lindl. in Journ. Hort. Soc. Lond.* iii. p. 147, fig. 17; *Maxim. in Mém. Biol.* ix. p. 589; *Hance in Journ. Linn. Soc. Lond.* xiii. p. 73; *Decne. in Nouv. Arch. Mus.* 2^{me} sér. iv. p. 204, t. 9; *Franchet, Pl. David.* p. 13.

Clematis Hookeri, Decne. *Nouv. Arch. Mus.* 2^{me} sér. iv. p. 206, t. 11.

Clematis tubulosa, var. *Hookeri*, Hook. f. *Bot. Mag.* t. 6801.

CHIHLI; between Peking and Jehol (*Staunton*, spec. typ. *C. heracleæfolia* in Mus. Brit.!); mountains east of Peking (*Bretschneider* in hb. *Forbes*); SHANTUNG (*Mainingay*). Mus. Brit.; Herb. Kew.

Var. *Davidiana*, *Franchet, Pl. David.* p. 13 (var. *C. tubulosæ*); *Verlot in Revue Horticole*, 1867, p. 9, cum ic. xylogr.; *Decne. in Nouv. Arch. Mus.* 2^{me} sér. iv. p. 205, t. 10 (species).

Clematis tubulosa, Hook. *Bot. Mag.* t. 4269.

CHIHLI: Peking district (*Tatarinow*! *Moellendorff*! *Bretschneider*! *Bushell*!); COREA (*Carles*!). Herb. Kew.

Decaisne (*l. c.*) defines six species of the group to which this belongs, founded on forms which we should follow Maximowicz in regarding as varieties of *C. heracleæfolia*, DC. The only one easily separated from the others is *C. Davidiana*, which has larger flowers clustered in the axils of the upper leaves instead of a distinct terminal inflorescence. There are both wild and cultivated specimens exhibiting these marked characteristics; but as the forms with distinct terminal inflorescence and smaller flowers are collected with it, and have been regarded by collectors as the same species, it is possible that *C. Davidiana* is the male of the fully dioecious condition of the species. Maximowicz also reduces the comparatively slender small-flowered *C. stans*, Sieb. et Zucc., to this species; and Sir Joseph Hooker (*Bot. Mag.* t. 6810), on figuring *C. stans*, Sieb. et Zucc., accepts this limitation of the species, while defining five principal types from China and Japan. Kuntze's classification (*loc. sup. cit.*) of the forms differs slightly from Hooker's.

15. *Clematis Kirilowi*, Maxim. in *Mél. Biol.* ix. p. 583.

Clematis Massoniana? Maxim. Ind. Fl. Pekin. in *Prim. Fl. Amur.* p. 468, non DC.

CHIHLI: near Peking (*Kirilow ex Maximowicz*).

16. *Clematis lanuginosa*, Lindl. in *Past. Fl. Gard.* iii. p. 107, t. 94; *Flore des Serres*, tt. 811 et 1176; Maxim. in *Mél. Biol.* ix. p. 600, et *Fl. As. Or. Fragm.* p. 2.

C. florida, β . *lanuginosa*, Kuntze, *Monogr. Gatt. Clem.* p. 149.

CHEKIANG: on hill-sides, Ningpo (*Fortune! Hancock!*). Mus. Brit.; Herb. Kew.

17. *Clematis leptomera*, Hance in *Journ. Bot.* 1880, p. 257.

KWANGSI: Wuchaufu (*Mesny ex Hance*).

Kuntze (*Monogr. Gatt. Clem.* p. 140) treats this and *C. Strodnachii*, Hance, as varieties of *C. cadmia*, Ham., syn. *C. bracteata*, Kurz.

18. *Clematis longiloba*, DC. *Syst.* i. p. 136, et *Prodr.* i. p. 3.

CHINA (*Staunton ex DC.*).

We have not seen the type of this species, the flowers of which are not described; but it is probably *C. paniculata*, with which the author compares it.

19. *Clematis macropetala*, Ledeb. *lc. Pl. Fl. Ross.* t. 11; Hance in *Journ. Bot.* 1875, p. 130; Franchet, *Pl. David.* p. 14.

Atragene macropetala, Ledeb. *Fl. Alt.* ii. p. 376; Maxim. in *Mél. Biol.* ix. p. 603.

CHIHLI: near Peking (*Kirilow ex Maximowicz*), western mountains near Miaoar (*Tatarinow!*), Puhuashan (*Bretschneider!*). Herb. Kew.

Dahuria, Mongolia, and Mandshuria.

20. *Clematis Meyeniana*, Walp. in *Nov. Act. Nat. Cur.* xix., *Suppl.* i. p. 297, et *Repert.* v. p. 3; Benth. *Fl. Hongk.* p. 6; Maxim. in *Mél. Biol.* ix. p. 597.

Clematis oreophila, Hance in Walp. *Ann.* ii. p. 3.

C. hedyssa ifolia, DC., varietates α , β , et δ , Kuntze, *Monogr. Gatt. Clem.* p. 152.

CHEKIANG: Shaoshing (*Savatier ex Franchet MSS*); KIANGSI. Kiukiang (*Shearer!*); FOKIEN: Amoy (*Fortune*, 14 A!, *Swinhoe!*); FORMOSA: Tamsu (*Oldham*, 1!); HONGKONG (*Champion! Ur-*

quhart! Hance! Wright!); KWANGTUNG: islands near Macao (*Vachell!*); LUCHU (*Wright!*). Mus. Brit.; Herb. Kew.

This species, as here limited, is very variable in foliage; but the extreme forms in the Kew Herbarium named by Kuntze respectively *C. oreophila*, Hance, and *C. Meyeniana*, Walp., are connected by intermediate ones of every degree.

21. *Clematis nannophylla*, Maxim. in *Mél. Biol.* ix. p. 707.

KANSUH: south of the Hoangho (*Przewalski & Piasezki ex Maximowicz*).

22. *Clematis orientalis*, Linn. *Sp. Pl.* ed. 1, p. 543; DC. *Prodr.* i. p. 3; Maxim. in *Mél. Biol.* ix. p. 583; Franchet, *Pl. David.* p. 12; Hance in *Journ. Bot.* 1885, p. 321.

Var. *intricata*, Maxim. l. c. (cum synonym.); Bunge, *Pl. China Bor.* p. 1 (species).

CHIHLI: Peking (*Bretschneider! Bushell!*); KANSUH: south of the Hoangho (*Piasezki ex Maximowicz MSS.*), HAMI (*Mesny ex Hance*). Mus. Brit.; Herb. Kew.

Persia, through Northern India to Mandshuria.

23. *Clematis paniculata*, Thunb. in *Trans. Linn. Soc.* ii. p. 337; DC. *Prodr.* i. p. 3; Maxim. in *Mél. Biol.* ix. p. 595; Franchet, *Pl. David.* p. 12.

SHINGKING: Chianshan (*Ross!*); KIANGSU (*Poli ex Franchet MSS.*); CHEKIANG: Meichi (*Poli ex Franchet*); KIANGSI: Kiukiang (*David*, 882; ex *Franchet*); COREA (*Wykeham Perry!*). Mus. Brit.; Herb. Kew.

Japan.

24. *Clematis parviloba*, Gardn. et Champ. in *Hook. Kew Journ. Bot.* i. 1841, p. 241; Benth. *Fl. Hongk.* p. 6; Maxim. in *Mél. Biol.* ix. p. 597.

HONGKONG (*Champion! Wright! Wilford! Lamont!*). Mus. Brit.; Herb. Kew.

25. *Clematis patens*, Morr. et Dene. in *Bull. Acad. Brux.* iii. 1836, p. 173; Maxim. in *Mél. Biol.* ix. p. 599; Hance in *Journ. Bot.* 1880, p. 257.

Clematis cærulea, Lindl. *Bot. Reg.* t. 1955.

HUPEH: Ichang (*Watters ex Hance*).

The only wild specimens we have seen are from Japan; and the cultivated ones at Kew are of the same origin.

26. *Clematis pinnata*, Maxim. in *Mél. Biol.* ix. p. 591.

CHIHLI: Peking (*Bretschneider*!), mountains westward of Peking (*Tatarinow* ex *Maximowicz*). Herb. Kew.

27. *Clematis recta*, Linn. *Sp. Pl.* ed. 1, i. p. 554.

Var. *mandshurica*, Maxim. in *Mél. Biol.* ix. p. 594; *F. B. Forbes* in *Journ. Bot.* 1884, p. 264.

Clematis mandshurica, Rupr. *Pl. Maack* in *Bull. Acad. Sc. Pétersb.* xv. p. 514.

Clematis terniflora, DC. *Syst.* i. p. 137, et *C. tenuiflora* (sphalmate), DC. *Prodr.* i. p. 3, excl. syn. *C. Flammulæ*, var.

SHINGKING (*Ross*!); KIANGSU: Chinkiang (*Maries*!), Fengwangshan near Shanghai (*Martin*! in hb. Forbes); Chekiang (*Staunton*!). Mus. Brit.; Herb. Kew.

Typical *recta* has a wide range in Europe.

28. *Clematis Stronachii*, Hance in *Journ. Bot.* 1878, p. 103, et 1885, p. 321.

KIANGSU: Chinkiang (*Stronach* ex *Hance*); KWANGTUNG: Pakong (*B. C. Henry* ex *Hance*).

In Herb. Forbes is a specimen from near Meichi, Chekiang, which agrees with Hance's description of *C. Stronachii* in most particulars; yet we dare not refer it to that species unconditionally. If not the same species, it is very closely allied to it.

29. *Clematis Tatarinowii*, Maxim. in *Mél. Biol.* ix. p. 590.

CHIHLI: near Peking (*Tatarinow* ex *Maximowicz*).

There is a specimen in the Kew Herbarium, collected by *Tatarinow*, agreeing with the description of this, except that the sepals are not connivent.

30. *Clematis uncinata*, Champ. in *Hook. Kew Journ. Bot.* iii. p. 255; *Benth. Fl. Hongk.* p. 6; Maxim. in *Mél. Biol.* ix. p. 597.

KWANGTUNG: Lofaushan (*Ford*!); Lienchau (*Lamont*!); HONGKONG (*Champion*!). Mus. Brit.; Herb. Kew.

31. *Clematis urophylla*, Franchet in *Bull. Soc. Linn. Par.* 1884, p. 433.

KWEICHAU (*Perny* ex *Franchet*).

[*C. viticella*, Linn., var. *flore pleno*, Hook. et Arn. *Bot. Beech. Voy.* p. 166, we have not seen; but it is not likely to belong to the species to which it is referred.]

1. *Naravelia zeylanica*, DC. *Syst.* i. p. 167, et *Prodr.* i. p. 10.

Naravelia pilulifera, Hance in *Journ. Bot.* 1868, p. 111.

Clematis zeylanica, Poir.; Kuntze, *Monogr. Gatt. Clem.* p. 121.

KWANGTUNG (*Hance & Sampson*!). Herb. Kew.

The Chinese specimen is very distinct in the shape of its petals from the ordinary form; but there is a specimen in the Kew Herbarium from Gowhatty, in India, which is quite like it; and there is every gradation between these very slender knob-headed petals and linear ones.

Widely spread in Tropical Asia.

1. *Thalictrum alpinum*, Linn. *Sp. Pl.* ed. 1, p. 545; DC. *Prodr.* i. p. 12; *Franchet in Bull. Soc. Bot. France*, xxxii. p. 4.

YUNNAN: mountains near Tali (*Delavay ex Franchet*).

Alpine and Arctic regions all round the northern hemisphere.

2. *Thalictrum fœniculaceum*, Bunge, *Enum. Pl. Ch. Bor.* p. 2; *Walp. Rep.* i. p. 13; *Lecoyer in Bull. Soc. Bot. Belg.* xxiv. p. 222.

CHIHLI: near Peking (*Bunge! Tatarinow! Bretschneider!*); KANSUH: south of the Hoangho, and on the Tsunglin range (*Piasezki ex Maximowicz MSS.*). Mus. Brit.; Herb. Kew.

3. *Thalictrum Fortunei*, S. Moore in *Journ. Bot.* 1878, p. 130; *Hance in Journ. Bot.* 1883, p. 295; *Lecoyer in Bull. Soc. Bot. Belg.* xxiv. p. 162.

Thalictrum baicalense, Turcz., var. ? minor, *Maxim. Fl. As. Or. Fragm.* p. 3.

ANWHEI: Wuhu (*Bullock ex Hance*); CHEKIANG: Ningpo (*Hancock!*), without locality (*Fortune* 28); KIANGSI: Kiukiang (*Maries!*). Mus. Brit.; Herb. Kew.

4. *Thalictrum majus*, Jacq. *Fl. Austr.* t. 420 (sensu *Regel, Gattung Thalictrum*, p. 34), ex *Franchet, Pl. David*, p. 15.

CHIHLI: Jehol and near Peking (*David*, 600, 2054).

This is united, as a variety, with *T. minus* in Hooker's 'Flora of British India.'

5. *Thalictrum minus*, Linn. *Sp. Pl.* ed. 1, p. 546; DC. *Prodr.* i. p. 13; *Miq. in Ann. Mus. Bot. Lugd. Bat.* iii. p. 3, et *Prodr. Fl. Jap.* p. 191 (var. *hypoleucum*); *Debeaux, Fl. Tchef.* p. 23.

Thalictrum mucronatum, Ledeb. ? Maxim. Ind. Fl. Pek. in Prim. Fl. Amur. p. 468.

CHIHLI: near Peking (*Tatarinow!* *Bushell!* *Bretschneider!*); SHINGKING: Chienshan (*Ross!*); SHANTUNG: Chefoo (ex *Debeaux*); KANSUH: south of Hoangho (*Piasezki* ex *Maximowicz MSS.*); COREA (*Carles!*); COREAN ARCHIPELAGO (*Oldham, 10!*). Herb. Kew.

Europe, North Asia, and North and South Africa.

6. *Thalictrum petaloideum*, Linn. Sp. Pl. ed. 2, p. 771; DC. Prodr. i. p. 12; Franchet, Pl. David. p. 17; Lecoyer in Bull. Soc. Bot. Belg. xxiv. p. 165.

CHIHLI: Peking (*Tatarinow!*), SHENSI or KANSUH: Tsunglin range (*Piasezki* ex *Maximowicz MSS.*); KANSUH: south of the Hoangho (*Piasezki* ex *Maximowicz MSS.*); COREA: Port Chusan (*Wilford!*). Mus. Brit.; Herb. Kew.

Siberia.

7. *Thalictrum Przewalskii*, Maxim. in Mém. Biol. ix. p. 707; Lecoyer in Bull. Soc. Bot. Belg. xxiv. p. 157, t. 3. fig. 9.

KANSUH (*Przewalski* ex *Maximowicz*).

8. *Thalictrum simplex*, Linn. Mant. p. 78; DC. Prodr. i. p. 15; Maxim. Ind. Fl. Pek. in Prim. Fl. Amur. p. 468.

CHIHLI: Peking (*Bretschneider!*); KANSUH: south of the Hoangho (*Piasezki* ex *Maximowicz MSS.*). Herb. Kew.

Northern Europe, Siberia.

[*Thalictrum sinense*, Lour. Fl. Cochinch. p. 346; DC. Prodr. i. p. 16, is an altogether doubtful plant which De Candolle questions belonging to the Order.]

9. *Thalictrum tenue*, Franchet, Pl. David. p. 16, t. 7; Lecoyer in Bull. Soc. Bot. Belg. xxiv. p. 175.

CHIHLI: Sanyu (*David, 2843*, ex *Franchet*): near Peking (*Bushell!*). Herb. Kew.

10. *Thalictrum squarrosum*, Steph. in Willd. Sp. Pl. ii. p. 1299; Lecoyer in Bull. Soc. Bot. Belg. xxiv. pp. 198 et 318.

Thalictrum trigynum, Fisch. in DC. Prodr. i. p. 14; Franchet, Pl. David. p. 16.

CHIHLI: Jebol (*David, 2054*, ex *Franchet*).

Siberia, Mongolia, and Dahuria.

11. *Thalictrum*, sp.

COREAN ARCHIPELAGO: Green Island (*Oldham*, 12!). Herb. Kew.

Specimens in young flower; foliage near that of *Thalictrum punduanum*, Wall., from North India.

Lecoyer (*Bull. Soc. Bot. Belg.* xxiv.) records *T. sparsiflorum*, Turcz., *T. filamentosum*, Maxim., *T. baicalense*, Turcz., *T. actæfolium*, Sieb. et Zucc., and *T. fœtidum*, Linn., from North China and the Corea; but as he gives no precise localities, it is not clear that they have been found within our limits.

1. *Anemone altaica*, Fisch. in *Ledeb. Fl. Alt.* ii. p. 362; *Baker & Moore in Journ. Linn. Soc.* xvii. p. 376.

SHINGKING: Fungwangchung (*Ross*!); COREA: Laoling (*Webster*!). Herb. Kew.

Altai to Kamtschatka.

2. *Anemone barbulata*, Turcz. in *Bull. Soc. Nat. Mosc.* 1837, vii. p. 149; *Walp. Rep.* i. p. 29; *Maxim. Ind. Fl. Pek. in Prim. Fl. Amur.* p. 468.

NORTH CHINA (*Kirilow ex Maximowicz*); CHIHLI: Peking (*Tatarinow*!). Herb. Kew.

Franchet (*Pl. David.* p. 18) reduces *A. barbulata*, Turcz., to *A. rivularis*, Ham., an Indian species, and he may be quite right; but we have only seen a specimen, collected by Tatarinow, which bears only one flower.

3. *Anemone cernua*, Thunb. *Fl. Jap.* p. 238; *DC. Prodr.* i. p. 16; *Baker & Moore in Journ. Linn. Soc.* xvii. p. 376.

SHINGKING: Fungwangshan and elsewhere (*Ross*!); COREA (*Charles! Webster*!). Herb. Kew.

Japan.

4. *Anemone chinensis*, Bunge, *Enum. Pl. Chin. Bor.* p. 2; *Walp. Rep.* i. p. 19; *Maxim. Fl. As. Or. Fragm.* p. 3; *Hance in Journ. Bot.* 1875, p. 130, et 1882, p. 2; *Franchet, Pl. David.* p. 17.

CHIHLI: Peking mountains (*Bunge! Bretschneider! Bushell*!), Jehol (*David*, 1733!), Puhuashan (*Bretschneider ex Hance*); SHANTUNG: Chefoo (*Hancock*!); SHENSI (*Piasezki ex Maximowicz MSS.*); KIANGSU (*Stronach*!); KIANGSI: Kiukiang (*Shearer! Maries*!). Mus. Brit.; Herb. Kew.

5. *Anemone celestina*, *Franchet in Bull. Soc. Bot. France*, xxxii. p. 4.

YUNNAN: Heechanmen mountain above Lankong (*Delavay ex Franchet*).

6. *Anemone exigua*, *Maxim. in Mél. Biol.* ix. p. 708.

KANSUH (*Przewalski ex Maximowicz*).

7. *Anemone flaccida*, *F. Schmidt, Reisen in Amur-Lande*, p. 103; *Franch. et Sav. Fl. Jap.* i. p. 6; *Hance in Journ. Bot.* 1878, p. 8.

KIANGSU: Chinkiang (*Stronach ex Hance*); CHEKIANG: near Meichi (*Carles & Forbes*! hb. *Forbes*).

Amur to Japan.

8. *Anemone Hepatica*, *Linn. Sp. Pl.* ed. 1, p. 538; *Baker & Moore in Journ. Linn. Soc.* xvii. p. 375.

Hepatica triloba, *Chaix*; *DC. Prodr.* i. p. 22.

SHINGKING: Kwandien mountains (*Ross*!); COREA (*Carles*!). *Herb. Kew.*

Europe, North Asia, and North America.

9. *Anemone japonica*, *Sieb. et Zucc. Fl. Jap.* i. p. 15, t. 5; *Bot. Reg.* 1845, t. 66; *Kurz in Journ. Bot.* 1873, p. 193.

KIANGSU: Shanghai (*Fortune*! *Maingay*!); KIANGSI: Kiu-kiang (*Shearer*!); FOKIEN: Foochow (*Swinhoe*!); YUNNAN (*Anderson ex Kurz*). *Mus. Brit.*; *Herb. Kew.*

This species is commonly cultivated in China as well as in Japan, and it is uncertain where it is indigenous and where only naturalized. *Maingay* remarks, "Apparently only naturalized near Shanghai."

10. *Anemone narcissiflora*, *Linn. Sp. Pl.* ed. 1, p. 542; *DC. Prodr.* i. p. 21; *Maxim. Fl. As. Or. Fragm.* p. 3.

CHIHLY: Siaowutaishan mountain at 10,000 feet (*Hancock ex Maximowicz*).

Europe, North Asia, and North America.

11. *Anemone nikoensis*, *Maxim. in Mél. Biol.* ix. p. 1?

Corea (*Carles*!).

Japan.

12. *Anemone obtusiloba*, *Don, Prodr. Fl. Nep.* p. 194; *Walp. Rep.* i. p. 29; *Franchet in Bull. Soc. Bot. France*, xxxii. p. 4.

YUNNAN: Heechanmen mountain above Lankong (*Delavay ex Franchet*).

Kashmir to Sikkim.

13. *Anemone polyanthes*, *Don, Prodr. Fl. Nep.* p. 194; *Walp. Rep.* i. p. 30; *Franchet in Bull. Soc. Bot. France*, xxxii. p. 4.

YUNNAN: Heechanmen mountain above Lankong (*Delavay ex Franchet*).

Kashmir to Sikkim.

14. *Anemone Raddeana*, *Regel, Pl. Radd.* i. p. 16, t. i. figg. 2, 3, f, g; *Maxim. in Mém. Biol.* ix. p. 606.

SHINGKING: various localities (*Ross*!); COREA: Laoling (*Webster*!). *Herb. Kew.*

Mandshuria; Japan.

15. *Anemone Rossii*, *S. Moore in Journ. Linn. Soc.* xvii. p. 376, t. 16. fig. 1.

SHINGKING: Fungwangchung (*Ross*!); COREA (*Carles*!): Laoling (*Webster*!). *Herb. Kew.*

16. *Anemone rupestris*, *Wall.; Hook. f. et Thoms. Flora Indica*, i. p. 9; *Hook. f. Fl. Brit. Ind.* i. p. 9; *Franchet in Bull. Soc. Bot. France*, xxxii. p. 4.

YUNNAN: Heechanmen mountain above Lankong (*Delavay ex Franchet*).

Kashmir to Sikkim.

1. *Adonis cœrulea*, *Maxim. in Mém. Biol.* ix. p. 708.

KANSUH (*Przewalski ex Maximowicz*).

2. *Adonis vernalis*, *Linn. Sp. Pl.* ed. 1, p. 547; *DC. Prodr.* i. p. 24; *Regel et Herder, Enum. Pl. Seminov.* p. 11.

Adonis apennina, *Linn. Sp. Pl.* ed. 1, p. 548; pro parte ex *Nyman, Consp. Fl. Europ.* p. 4.

Adonis apennina, *Linn.*, var. *davurica*, *Ledeb.; Maxim. Ind. Fl. Pek. in Prim. Fl. Amur.* p. 468; *Baker & Moore in Journ. Linn. Soc.* xvii. p. 376.

CHIHLI: Peking (ex *Maximowicz*); SHINGKING: Corean Gate (*Ross*!); COREA (*Carles*!). *Herb. Kew.*

Central Europe, eastward through Russia and Siberia.

1. *Callianthemum cachemirianum*, *Camb. in Jacq. Voy. Bot.* p. 5, t. 3; *Hook. f. Fl. Brit. Ind.* i. p. 14; *Walp. Rep.* i. p. 33; *Franchet in Bull. Soc. Bot. France*, xxxii. p. 5.

YUNNAN : Koulapo mountains between Tali and Hokin (*Delavay ex Franchet*).

Kashmir to Sikkim.

1. *Ranunculus aëris*, *Linn. Sp. Pl.* ed. 1, p. 554; *DC. Prodr.* p. 89. *Maxim. Fl. As. Or. Fragm.* p. 3; *Franch. et Savat. Fl. Jap.* ii. p. 266; *Franchet, Pl. David.* p. 19.

Ranunculus japonicus, *Thunb. non Langsd. fide Maxim.*

Ranunculus propinquus, *C. A. Mey. in Ledeb. Fl. Altaica*, ii. p. 332.

Ranunculus propinquus, *C. A. Mey.*, var. *hirsutus*, *A. Gr. in Mem. Am. Acad. n. s. vi.* p. 378.

Ranunculus hirtellus, *Royle?*, *Hance in Journ. Bot.* 1878, p. 104.

CHIHLI, SHINGKING, SHENSI, KIANGSU, KIANGSI, and COREA.

Apparently common in the northern provinces. *Mus. Brit.*; *Herb. Kew.*

Europe, North Africa, North Asia.

2. *Ranunculus aquatilis*, *Linn. Sp. Pl.* ed. 1, p. 556; *DC. Prodr.* i. p. 26, var. vel subspecies *Bungei*.

Ranunculus hydrophilus, *Bunge, Enum. Pl. Ch. Bor.* p. 2, non *Gaudich.*; *Franchet, Pl. David.* p. 18.

Ranunculus Bungei, *Steud. Nomencl. Bot.* ed. 2, ii. p. 433.

Ranunculus hydrocharis, *Spenn. forma Bungei*, *Hier. in Journ. Bot.* 1871, p. 100.

CHIHLI: near Peking (*Bunge! Bushell!*), Jehol (*David ex Franchet*). *Herb. Kew.*

There are also specimens from the same region in the Kew Herbarium, collected by Moellendorff, of a slightly different form, in which the leaves are more deeply divided and the segments much narrower. *Maximowicz* (*Ind. Fl. Pek.*) includes a second form, which he calls *R. aquatilis*, β . *brevisfolius*, *Rossm.*, and which may be the same. In *Herb. Forbes* is a fruiting specimen of an apparently somewhat starved state of a different form (*R. trichophyllus*, *Chaix ex Maximowicz* in litt.) without floating leaves, from a small pond near the Tsau Lake in ANWHEI. The aggregate species is very widely diffused in temperate regions.

3. *Ranunculus auricomus*, *Linn. Sp. Pl.* ed. 1, p. 551; *DC. Prodr.* i. p. 83; *Baker & Moore in Journ. Linn. Soc.* xvii. p. 376.

SHINGKING: Fungwangchung (*Ross!*), Muchi (*Webster!*). *Herb. Kew.*

Europe, Siberia, and North India.

4. *Ranunculus Cymbalaria*, Pursh, *Fl. Am. Sept.* ii. p. 392; *Hook. f. & Thoms. Flora Indica*, i. p. 31; *Walp. Ann.* iv. p. 18; *Franchet, Pl. David.* p. 20, et in *Bull. Soc. Bot. France*, xxxii.

Ranunculus plantaginifolius, Murr.; *Ledeb. Fl. Altaica*, ii. p. 312; *Franchet, l. c.*

Ranunculus salsuginosus, Pall.; *DC. Prodr.* i. p. 33.

a. *major*, *Hook. f. & Thoms. l. c.* p. 32.

CHIHILI: near Peking (*Bretschneider*!). *Herb. Kew.*

β. *alpinus*, *Hook. f. & Thoms. l. c.*

CHIHILI: near Peking (*Bretschneider*!), Jehol (*David*, 1752!); YUNNAN: Koualapo mountain near Hokin (*Delavay ex Franchet*). *Herb. Kew.*

North cold temperate regions and southward in America to the Andes.

5. *Ranunculus diffusus*, *DC. Prodr.* i. p. 38; *Hook. f. Fl. Brit. Ind.* i. p. 19.

ANWHEI: Chinking and Yangtse (*Maries*!). *Herb. Kew.*

The Chenab to Bhotan, and the Western Peninsula of India; also Java and Sumatra.

The Chinese specimen quite agrees, so far as it goes, with the form named *subpinnatus* by Wight and Arnott.

6. *Ranunculus japonicus*, *Langsd. ex Fisch. in DC. Prodr.* i. p. 38, non *Thunb.*, ex *Maxim. Fl. As. Or. Fragm.* p. 3.

Ranunculus ternatus, *DC. Syst.* i. p. 242, et *Prodr.* i. p. 31; *Franchet, Pl. David.* p. 19; *Deless. Ic. Pl. Rar.* i. t. 25?

CHIHILI: near Peking (*David*, 469, 2977, ex *Franchet*); LUOHU (*Wright*!). *Herb. Kew.*

The only specimen from within our limits we have seen that we could refer to this species is *Wright's*. As stated under *R. pensylvanicus*, some forms of this are scarcely distinguishable from that species. *Delessert's* figure may represent either species. See the remarks under *R. ternatus*.

Japan.

7. *Ranunculus Moellendorffii*, *Hance in Journ. Bot.* 1879, p. 7.

CHIHILI: Pohuashan (*Moellendorff ex Hance*).

8. *Ranunculus pensylvanicus*, *Linn. Suppl. Pl.* p. 272; *DC. Prodr.* i. p. 40; *Hook. f. Fl. Brit. Ind.* i. p. 19.

Ranunculus chinensis, *Bunge, Enum. Pl. Ch. Bor.* p. 3.

Ranunculus fibrosus, *Wall.*; *Hook. f. et Thoms. Flora Indica*, i. p. 37.

Ranunculus cantoniensis, DC. *Prodr.* i. p. 43?

Hecatonia pilosa, Lour. *Fl. Cochinch.* p. 371?

This very variable species seems to be common in the Eastern Provinces, from Chihli to Kwangtung, and Maximowicz reports it to us from Shensi and Kansuh; it is also in the Kew Herbarium from Szechuen and the Corea. The extreme forms with globose and oblong heads of achenes are very different, but there is every gradation between. A form collected by Hance within the enclosure of a temple in the Pahwan mountains near Canton is hardly distinguishable from *R. japonicus* except in the very short straight beak of the achenes. This species exhibits the same kind and range of variability in North India. Mus. Brit.; Herb. Kew.

Sutlej to the Khasia hills and in the Amur, and in North America.

9. *Ranunculus Polii*, Franchet, sp. nov.

"*Radix* fibrosa, fibris validis elongatis; *caulis* e basi ramosus, ramis decumbentibus, sæpe radicantibus; *folia* inferiora tripartita, vel pinnatim ternata, segmentis petiolulatis trifidis, lobis ovatis vel lanceolatis integris vel rarius 2-3-dentatis; *folia* superiora pauca (1-2), sessilia, tripartita; *pedunculi* uniflori, elongati (2½-4 poll.), graciles, subtiliter striati; *sepala* ovalia, patentia; *petala* lutea, late ovata, calyce triplo longiora; *carpella* juniora in capitulum ovatum digesta, oblonga, hispidula, in stylum elongatum circinatum abeuntia.

"*Planta* gracilis vix palmaris, præter carpella hispida, glaberrima; corollæ diametro circiter 6 lineas."—Franchet MS.

KIANGSU: Fengwangshan (*Poli ex Franchet*).

In the Kew Herbarium are very young specimens of a *Ranunculus* from Shanghai, collected by Maingay, which may be this species, described by Franchet as having the habit of a very much reduced state of *R. repens*.

10. *Ranunculus pulchellus*, C. A. Mey. in Ledeb. *Fl. Altaica*, ii. p. 333, et *l.c.* *Pl. Fl. Ross.* t. 111; Walp. *Rep.* i. p. 38; Franchet in Bull. Soc. Bot. France, xxxii.

YUNNAN: Koualapo mountain near Hokin (*Delavay ex Franchet*).

Baical to Altai.

11. *Ranunculus repens*, Linn. *Sp. Pl.* ed. 1, p. 554; DC. *Prodr.* i. p. 38; Baker & Moore in Journ. Linn. Soc. xvii. p. 376.