

ENUMERATION OF INDIAN FLOWERING PLANTS IV*

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XVII BATRACHIUM S. F. GRAY

Batrachium flavidum Hand.-Mazz.

In Acta Horti Goteburg. 13: 168. 1940.

Distribution: Kashmir in Ladak.

XVIII HALERPESTES GREENE

Halerpestes sarmentosa (Adams) Komarov. et Klob. Alis

Key Pl. far East U.S.S.R. 1: 550. 1931; D. Chatterjee in Journ. Bomb. Nat. Hist. Soc. 56: 670. 1960. *H. salsuginosa* (Pall) Greene in Pittonia 4: 208. 1900. *Ranunculus sarmentosus* Adams in Mem. Soc. Nat. Mosc. 9: 244. 1834. *R. cymbalariae* Hk. f. & Th. Fl. Brit. Ind. 1: 17. 1872 p.p. non Pursh. 1814. *R. cymbalariae* var. *major* Hk. f. & Th. Fl. Ind. 1: 32. 1855. *R. salsuginosus* Pall. Reise 3: 213, 265. 1776, non Georgi. *R. subsimilis* Printz in Contr. Fl. As. Int. 3: 239. 1921.

Distribution: Kashmir to Sikkim 3500 to 5500 m., Afghanistan, Tibet, N. Asia.

Halerpestes tricuspis (Maxim.) Hand.-Mazz.

In Acta Horti Goteburg. 13: 135. 1940; D. Chatterjee in Journ. Bomb. Nat. Hist. Soc. 56: 670. 1960. *Ranunculus tricuspis* Maxim. Fl. Tang. 12. 1889, et Enum. Pl. Mongol. 14, 16, t. 4. f. 17-27. 1889. *R. cymbalariae* Hk. f. & Thoms. 1: 17. 1872 p.p. non Pursh. 1814. *R. cymbalaria* var. *alpinus* Hk. f. & Thoms. Fl. Ind. 1: 32. 1855; *R. palifolius* Dunn in Kew Bull. 1925: 280. 1925. *R. lancifolia* Kitam. in Kihara, F. F. Nep. Him. 1: 130. 1955, non Hand.-Mazz. 1940.

Distribution: Kashmir to Sikkim 3000-5000 m., Tibet, N. Asia.

XIX PAEONIA LINN.

Paeonia emodi Wall. ex Royle

Ill. 57. 1839; Hk. f. Fl. Brit. Ind. 1: 30. 1872; Collet, Fl. Sim. 15. 1921; Stearn, Study Gen. Paen. 16. 1955. *P. officinalis* Hk. f. & Thoms. Fl. Ind. 60. 1855, non Linn. 1753.

Distribution: N. W. Himalaya.

Paeonia emodi Wall. ex Royle var. *glabrata* Hook. f. & Thoms.

Fl. Brit. Ind. 1: 30. 1872; Stearn, Study Gen. Paen. 16. 1955.

Distribution: N. W. Himalaya.

Paeonia moutan Ait. ssp. *atava* Brühl

In Ann. R. Bot. Gdn. Cal. 5: 114. 1895.

Distribution: E. Himalaya (Chumbi).

XX NIGELLA LINN.

Nigella sativa Linn.

Sp. Pl. 753. 1753; Watt, Dict. Econ. Prod. Ind. 5 (2): 428. 1891; Prain, Beng. Pl. 1: 194. 1903; Haines, Bot. Bihar Orissa. 5. 1921. *N. indica* Roxb. ex Flem. in As. Res. 11: 173. 1810.

Distribution: Cultivated in the plains of India; Indigenous to Mediterranean region.

XXI ACTAEA LINN.

Actaea spicata Linn.

Sp. Pl. 380. 1753; DC. Prodr. 1: 29. 1872; Finet et Gagnep. in Bull. Soc. Bot. Fr. 51: 518. 1904. *A. acuminata* Wall. ex Royle, Ill. 57. 1839.

Distribution: Temperate Himalaya; N. Asia, Europe, N. America.

XXII CIMICIFUGA LINN.

Cimicifuga dahurica (Turcz.) Huth.

In Bot. Jahrb. 16: 316. 1892; Finet et Gagnep. in Bull. Soc. Bot. Fr. 51: 522. 1904.

Distribution: Sikkim; China, Manchuria.

Cimicifuga foetida Linn.

Syst. ed. 12, 659. 1766; Hk. f. Fl. Brit. Ind. 1: 30. 1872; Chopra, Badhwar & Ghosh, Poisonous Pl. Ind. 1: 120. 1949.

Distribution: Bhootan to Kashmir, temp. region.

XXIII ACONITUM TOURN. EX LINN.

Aconitum chasmanthum Stapf ex Holmes

In Mus. Ref. Pharm. Soc. Great Brit. 2. 1903; Stapf in Ann. R. Bot. Gdn. Cal. 10: 142. 1905. *A. napellus* Linn. var. *spicatum* Duthie in Rec. Bot. Surv. India 1 (3): 37. 1894, p.p. *A. hians* Watt in Agr. Ledg. 3: 101. 1902, non Reichb. *A. dissectum* Watt in Agr. Ledg. 3: 100. 1902, non Reichb. *A. dissectum* Watt in Agr. Ledg. 3: 100. 1902, p.p. non Don, 1825.

Distribution: Kashmir, Chitral, Hazara, 2500 to 4000 m.

* Continued from Bull. Bot. Surv. India 2 (3 & 4): 297, 1960.

Aconitum deinorrhizum Holmes ex Stapf

In Ann. R. Bot. Gdn. Cal. 10: 158. 1905. *A. ferox* Wall. ex Ser. var. *laciniatum* et var. *atrox* Watt in Agr. Ledg. 3: 96 et 97. 1902, p.p. *A. atrox* and *A. brühlüi* Goris in Bull. Sc. Pharm. 3: 122. 1910.

Distribution: Alpine W. Himalaya.

Aconitum dissectum Don

Prodr. Fl. Nep. 197. 1825; Stapf in Ann. R. Bot. Gard. Cal. 10: 177. 1905. *A. napellus* Hook. f. & Thoms. Fl. Ind. 57. 1855, p.p. non Linn. *A. napellus* var. *rigidum* Hook. f. & Thoms. in Fl. Brit. Ind. 1: 29. 1872 p.p.

Distribution: Nepal in alpine region.

Aconitum elwessii Stapf

In Ann. R. Bot. Gdn. Cal. 10: 274. 1905. *A. variegatum* Hook. f. & Thoms. Fl. Ind. 56. 1855, non Linn. 1753. *A. uncinatum* Hook. f. Fl. Brit. Ind. 1: 28. 1872, non Linn. 1762.

Distribution: Sikkim.

Aconitum falconeri Stapf

In Ann. R. Bot. Gdn. Cal. 10: 163. 1905. *A. ferox* Royle, Ill. 47. 1840 p.p.; Hk. f. Fl. Brit. Ind. 1: 28. 1872 p.p. *A. dissectum* Royle, Ill. 56. 1836, non Don 1825, nec alior.

Distribution: Tehri-Garhwal.

var. latilobum Stapf

In Ann. R. Bot. Gdn. Cal. 10: 164. 1905.

Distribution: Bashahr Dt.

Aconitum ferox Wall ex Seringe

In Mus. Helv. 1: 160. t. 15, ff. 43 & 44, 1823 et in DC. Prodr. 1: 64. 1824; Wall. Pl. As. Rar. 1: 35. 1830; Hk. f. & Thoms. Fl. Ind. 56. 1855 et Fl. Brit. Ind. 1: 28. 1872; Stapf in Ann. R. Bot. Gdn. Cal. 10: 169. 1905; Munz in Gentes Herb. 6: 496. 1945. *A. virosum* Don, Prodr. 196. 1825; *A. napellus* var. *rigidum* Hk. f. & Thoms. Fl. Brit. Ind. 1: 29. 1872. *A. dissectum* Stein in Gartenfl. 226. 1886, non Don 1825 nec alior.

Distribution: Nepal, alpine region.

Aconitum funiculare Stapf

In Kew Bull. 1917: 24. 1917.

Distribution: Bhootan.

Aconitum gammiei Stapf

In Kew Bull. 1907: 56. 1907.

Distribution: Sikkim.

Aconitum gymnandrum Maxim

In Bull. Acad. Petersb. 23: 308. 1877; Brühl in Ann. R. Bot. Gdn. Cal. 5: 113. 1895; Stapf *ibid.* 10: 178. 1905.

Distribution: Sikkim, China.

Aconitum heterophyloides (Brühl) Stapf

In Ann. R. Bot. Gdn. Cal. 10: 171. 1905. *A. ferox* var. *heterophyloides* Brühl *ibid.* 5: 110. 1895 p.p. *A. ferox* var. *leucanthum* Brühl *ibid.* 5: 110. 1895 p.p.

Distribution: Sikkim, alpine region.

Aconitum heterophyllum Wall. ex Royle

Ill. 56. t. 13. 1834; Hk. f. Thoms. Fl. Ind. 58. 1855 et Fl. Brit. Ind. 1: 29. 1872; Duthie, Rep. bot. Gard. Sahar. & Mus. 26. 1886 et in Rec. Bot. Surv. India 1(3): 37. 1894; Gammie *ibid.* 1(10): 192. 1898; Goris in Bull. Sc. Pharmac. 114. 1901; Stapf in Ann. R. Bot. Gdn. Cal. 10: 151. 1905; Munz in Gentes Herb. 6: 497. 1945. *A. atees* Royle in Journ. As. Soc. Beng. 1: 459. 1832. *A. cordatum* Royle, Ill. 56. 1834. *A. ovatum* Lindl. in Bot. Reg. 26: 53. 1840.

Distribution: N. W. Himalaya, 2000-4000 m.

var. bracteatum Stapf

In Ann. R. Bot. Gdn. Cal. 10: 154. 1905.

Distribution: Punjab.

Aconitum hookeri Stapf

In Ann. R. Bot. Gdn. Cal. 10: 147. 1905.

Distribution: Sikkim in alpine region; Tibet.

Aconitum kashmiricum Stapf ex Coventry

Wild Fl. Kash. 3: 25. 1930.

Distribution: Kashmir.

Aconitum laciniatum (Brühl) Stapf

In Ann. R. Bot. Gdn. Cal. 10: 168. 1905. *A. ferox* var. *laciniata* Brühl. *ibid.* 5: 111. 1895; Watt in Agr. Ledg. 3: 96-97. 1902.

Distribution: Subalpine and alpine Sikkim, Singaleela Range; Tibet.

Aconitum læve Royle

Ill. 45 et 56. 1834; Stapf in Ann. R. Bot. Gdn. Cal. 10: 136. 1905; Coventry, Wild Fl. Kash. 3: 15. 1930. *A. lycoctonum* Hook. f. & Thoms. Fl. Ind. 55. 1855 et Fl. Brit. Ind. 1: 28. 1872; Duthie in Rec. Bot. Surv. India 1(3): 37. 1894 et 1(9): 143. 1898.

Distribution: N. W. Himalaya from Kumaon Westwards.

Aconitum lethale Griffith,

Not. 4: 732. 1851; Stapf in Ann. R. Bot. Gdn. Cal. 10: 175. 1905. *A. palmatum* Hk. f. Fl. Brit. Ind. 1: 28. 1872 p.p.

Distribution: Mishmi hills.

Aconitum leucanthum (Brühl) Stapf

In Ann. R. Bot. Gdn. Cal. 10: 173. 1905. *A. ferox* var. *leucanthum* Brühl *ibid.* 5: 110. 1895. *A. ferox* var. *cymbiformia* et var. *flavidiflora* Brühl, *ibid.* 111. 1895.

Distribution: Sikkim in alpine region, Tibet.

Aconitum moschatum (Brühl ex Duthie) Stapf

In Ann. R. Bot. Gdn. Cal. 10: 139. 1905. *A. ferox* var. *moschatum* Brühl ex Duthie in Rec. Bot. Surv. India 1(3): 37. 1894; Brühl in Ann. R. Bot. Gdn. Cal. 51: 109. 1895; Watt in Agr. Ledg. 3: 93. 1902.

Distribution: Kashmir.

Aconitum nagarum Stapf

In Ann. R. Bot. Gdn. Cal. 10: 176. 1905. *A. ferox* Clarke in Journ. Linn. Soc. (Lond.) 25: 3. 1890, non Wall. ex Ser.

Distribution: Naga Hills.

Aconitum naviculare (Brühl) Stapf

In Ann. R. Bot. Gdn. Cal. 10: 154. 1905. *A. ferox* var. *navicularis* Brühl ibid. 5: 111, 1895.

Distribution: Sikkim in alpine region.

Aconitum novoluridum Munz

In Gentes Herb. 6: 472. 1945. *A. luridum* Hk. f. & Thoms. Fl. Ind. 55. 1855 et Fl. Brit. Ind. 1: 28. 1872 non Salisb 1816; Stapf in Ann. R. Bot. Gdn. Cal. 10: 138. 1905.

Distribution: East Himalaya in alpine region.

Aconitum orochryseum Stapf

In Kew Bull. 1922: 149. 1922.

Distribution: Mount Everest, 5000 m.

Aconitum palmatum Don

Prodr. 196. 1825; Royle, Ill. 47 & 57. 1834; Hk. f. & Thoms. Fl. Ind. 56. 1855 et Fl. Brit. Ind. 1: 28. 1872; Stapf in Ann. R. Bot. Gdn. Cal. 10: 156. 1905. *A. ferox* subsp. *palmatum* Brühl in ibid. 5: 111. 1895.

Distribution: Nepal and Sikkim in alpine region; Tibet.

Aconitum atrox (Brühl) Mukerjee, comb. et stat. nov.

A. ferox var. *atrox* Brühl in Ann. R. Bot. Gdn. Cal. 5: 110. 1895; Watt in Agr. Ledg. 3: 197. 1902. *A. ferox* Wall. var. *polyschiza* Brühl ex Goris in Bull. Sc. Pharm. 3: 118. 1901; Watt in Agr. Ledg. 3: 98. 1902. *A. ferox* Wall. Pl. As. Rar. 1: 35. 1830; Hk. f. & Thoms. Fl. Ind. 56. 1855 et Fl. Brit. Ind. 1: 28. 1872 (omn. pro parte non Wall. 1823). *A. balfourii* Holmes, Mus. Ref. Pharm. Soc. Great Brit. 2 et 28. 1895-1902, nomen nudum; stapf in Ann. R. Bot. Gdn. Cal. 10: 160. 1905.

Distribution: Garhwal to Nepal, sub-alpine and alpine region.

var. *rhombilobum* (Stapf) Mukerjee, Comb. et Stat. nov.

A. balfourii var. *rhombilobum* Stapf in Ann. R. Bot. Gdn. Cal. 10: 162. 1905.

Distribution: Kumaon.

Aconitum rotundifolium Kar & Kir

In Bull. Soc. Imp. Nat. Mosc. 15: 139. 1842; Stapf in Ann. R. Bot. Gdn. Cal. 10: 149. 1905. *A. thianschanicum* Rupr. Sert. Thiansch. 38. 1869. *A. oliganthemum* A. Kern. in Ber. Naturw. var. Innsbruck 1: 119. 1870. *A. napellus* var. *rotundifolium* Hk. f. & Thoms. in Fl. Brit. Ind. 1: 29. 1872; Duthie in Rec. Bot. Surv. India 1: 3: 37. 1894. *A. napellus* var. *multifidum* Duthie ibid.

Distribution: N. W. Himalaya in alpine region; Westwards to Afghanistan and Turkestan.

Aconitum spicatum (Brühl) Stapf

In Ann. R. Bot. Gdn. Cal. 10: 165. 1905. *A. ferox* Hk. f. & Thoms. Fl. Ind. 56 p.p. et Fl. Brit. Ind. 1: 28. 1872 p.p. *A. ferox* var. *spicata*, var. *heterophylloides* p.p., var. *laxiflora* et var. *crassicaulis* Brühl. in Ann. R. Bot. Gdn. Cal. 5: 110. 1895. *A. ferox* var. *spicatum* Goris in Bull. Sc. Pharm. 3: 117. 1901; Watt in Agr. Ledg. 3: 94. 1902. *A. ferox* var. *crassicaulis* Watt ibid. 3: 96. 1902. *A. napellus* Gammie in Rec. Bot. Surv. India 1: 2: 19. 1894 p.p.

Distribution: East Himalaya in Alpine region.

Aconitum violaceum Jacq. ex Stapf

In Ann. R. Bot. Gdn. Cal. 10: 144. 1905. *A. multifidum* Royle, Ill. 45 & 56. 1834, non Koch ex Reichb. *A. napellus* Gammie in Records Bot. Surv. India 1: 10: 192. 1894 p.p. non Linn. *A. napellus* var. *multifidum* et var. *rigidum* (p.p.) Hk. f. et Thoms. Fl. Brit. Ind. 1: 29. 1872; Duthie in Rec. Bot. Surv. India 1(3): 37. 1894. *A. napellus* var. *dissectum* Duthie ibid. 1(3): 37. 1894.

Distribution: N. E. Himalaya in alpine region. var. *robustum* Stapf in Ann. R. Bot. Gdn. Cal. 10: 145. 1905.

A. napellus var. *tauricum* Duthie in Rec. Bot. Surv. India 1: 3: 37. 1894 p.p.

Distribution: Kashmir, Baltistan, Gilgit.