

ENUMERATION OF INDIAN FLOWERING PLANTS VI*

S. K. MUKERJEE

ANNONACEAE

(by Debika Das)

I. UVARIA Linn.

Uvaria andamanica King

in Journ. As. Soc. Beng. 61:2:21. 1892 & Ann. R. bot. Gdn. Cal. 4:29. t. 25. 1893.

Distribution: South Andaman.

Uvaria cordata (Dunal) Alston

Handbook Fl. Ceylon, Suppl. 6:4. 1931; Sinclair in Gardens' Bull. 14:207. 1955; Raizada in Ind. For. 84:8:514. 1958; Wall. Cat. 6486 nom. nud. *Guatteria cordata* Dunal, Anon. 129. t. 30. 1817; DC. Prodr. 1:93. 1829. *U. macrophylla* Roxb. Fl. Ind. 2:663. 1832; Wall. Pl. As. Rar. 2:122. 1830; Hook. f. & Thoms. F.B.I. 1:49. 1872 & Fl. Ind. 97. 1855; King in Mat. F.M.P. 1:265. 1892 & in Ann. R. bot. Gdn. Cal. 4:19. t. 10. 1893; Ridley, F.M.P. 1:30. 1922.

Distribution: Silhet.

Uvaria eucincta Bedd. & Dunn.

in Kew Bull. 1914:182. 1914; Gamble, Fl. Madr. 1:9. 1957.

Distribution: Madras, hill forests of Ganjam about 2,000 ft.

Uvaria ferruginea Buch.-Ham. ex Hook. f. & Thoms.

Fl. Ind. 96. 1855; Raizada in Ind. For. 84:8:514. 1958; Prain, Beng. Pls. 1:199. 1903. *Ellipeia ferruginea* Hook. f. & Thoms. F.B.I. 1:52. 1872.

Distribution: Assam, eastern Bengal, Tripura.

Uvaria hamiltoni Hook. f. & Thoms.

Fl. Ind. 96. 1855 & F.B.I. 1:48. 1872; King in Ann. R. bot. Gdn. Cal. 4:17. t. 6. 1893; Prain, Beng. Pls. 1:199. 1903; Kanjilal et al. Fl. Assam 1:44. 1935; Haines, Bot. Bihar & Orissa 2:10. 1921; Gamble, Fl. Madr. 1:9. 1957.

Distribution: Sikkim, Terai; Bihar near Monghir; Assam, Khasia Hills; Bengal, Darjeeling; Puri, Andaman Islands.

Uvaria hamiltoni Hook. f. & Thoms. var. *Kurzii* King

in Ann. R. bot. Gdn. Cal. 4:17. 1893.

Distribution: South Andaman.

Uvaria hirsuta Jack

in Malay Misc. 1:5:46. 1820; Hook. Bot. Misc. 2:87. 1831; Blume, Fl. Jav. Anon. 1:22. t. 5. 1828; Hook. f. & Thoms. F.B.I. 1:48. 1872; King in Mat. F.M.P. 1:4:267. 1892 & in Ann. R. bot. Gdn. Cal.

4:22. t. 14. 1893; Ridley, F.M.P. 1:31. 1922; Sinclair in Gardens' Bull. 14:203. 1955. *U. trichomalla* Bl. Fl. Jav. Anon. 1:42. t. 18. 1828. *U. velutina* Bl. (non Roxb.) Bijdr. 13. 1825; *U. pilosa* Roxb. Fl. Ind. 2:665. 1832.

Distribution: Chittagong.

* *Uvaria hookeri* King

in Ann. R. bot. Gdn. Cal. 4:28. t. 22. 1893; Cooke, Fl. Bomb. 1:10. 1958. *U. narum* Wall. Cat. 6973 p.p. nom. nud.; Hook. f. & Thoms. Fl. Ind. 102. 1855 p.p. W. & A. Prodr. 9. 1834 p.p.; Wight Ill. Ind. Bot. 1:6. 1840 p.p. *U. narum* var. 2. *macrophylla* Hook. f. & Thoms. F.B.I. 1:50. 1872; Dalz. & Gibs. Fl. Bomb. 3. 1861.

Distribution: Western Ghats, Bombay & Madras.

Uvaria lurida Hook. f. & Thoms.

Fl. Ind. 101. 1855 & F.B.I. 1:50. 1872; Kanjilal et al. Fl. Assam 1:45. 1935; Haines, Bot. Bihar & Orissa 2:10. 1921; King in Ann. R. bot. Gdn. Cal. 4:28. 1893; Merr. Trans. American Phil. Soc. 24:160. 1935.

Distribution: Northern slopes of the Khasia Hills; Baruni Hills, Orissa; Mungpoo peak, Sikkim.

Uvaria lurida Hook. f. & Thoms. var. *Sikkimensis* King

in Ann. R. bot. Gdn. Cal. 4:29. t. 23. 1893.

Distribution: Sikkim.

Uvaria macropoda Hook. f. & Thoms.

Fl. Ind. 101. 1855 & F.B.I. 1:50. 1872; Bedd. Ic. Pl. Ind. Or. t. 79. 1874; King in Ann. R. bot. Gdn. Cal. 4:24. t. 20. 1893; Gamble, Fl. Madr. 1:9. 1957.

Distribution: Madras; Hill forests of Ganjam.

Uvaria narum (Dunal) Bl.

Fl. Java 5. 1828 p.p.; Hook. f. & Thoms. Fl. Ind. 102. 1855 & F.B.I. 1:50. 1872 p.p.; W. & A. Prodr. 9. 1834 p.p.; Wight Ill. Ind. Bot. 1:6. 1840 p.p.; Thwaites Enum. 6. 1864 p.p.; King in Ann. R. bot. Gdn. Cal. 4:27. t. 21. 1893; Gamble, Fl. Madr. 1:9. 1957 p.p.; Cooke, Fl. Bomb. 1:9. 1958. *Unona narum* Dunal, Anon. 99. 1817 p.p.; DC. Prodr. 1:89. 1824 p.p.

Distribution: W. Ghats from S. Canara to Travancore, hills of Salem upto 4,000 ft.

Uvaria zeylanica Linn.

Sp. Pl. 536. 1753; Dunal, Anon. 88. 1817; DC. Prodr. 1:88. 1824; Hook. f. & Thoms. Fl. Ind. 102.

*Continued from Bull. Bot. Surv. India 3 (2) : 1962.

1855. F.B.I. 1:51. 1872; Thwaites, Enum. 6, 1864; Bedd. Ic. Pl. Ind. Or. t. 78. 1874; Gamble, Fl. Madr. 1:9. 1957; King in Ann. R. bot. Gdn. Cal. 4:26. t. 19. 1893. *U. coriacea* Vahl. Symb. Bot. 3:72. 1794. *U. lutea* Wall. Cat. 6462 nom. nud. (not of Roxb.); DC. Prodr. 1:88. 1824. *U. heyneana* W. & A. Prodr. 8. 1834 (not of Wall.). *Guatteria malabarica* Dunal, Anon. 134. 1817. *G. montana* DC. Prodr. 1:94. 1824.

Distribution: W. Ghats, Malabar, Travancore, Trivandrum.

II. CYATHOCALYX Champion

Cyathocalyx martabanicus Hook. f. & Thoms.

F.B.I. 1:53. 1872; Kanjilal et al. Fl. Assam 1:40. 1935, King in Ann. R. bot. Gdn. Cal. 4:36. t. 43. 1893.

Distribution: Lushai, N. Cachar and Garo Hills.

Cyathocalyx zeylanicus Champ. & Hook. f. Thoms.

Fl. Ind. 127. 1855; Hook. f. & Thoms. F.B.I. 1:53. 1872; Bedd. Ic. Pl. Ind. Or. t. 47. 1874; Gamble, Fl. Madr. 1:9. 1957.

Distribution: W. Ghats in S. Canara, Malabar, Anamalais, Travancore & Coimbatore.

III. ARTABOTRYS R. Brown.

Artabotrys caudatus Wall. ex Hook. f. & Thoms.

Fl. Ind. 129. 1855 & F.B.I. 1:55. 1872; Kanjilal et al. Fl. Assam 1:46. 1935; King in Ann. R. bot. Gdn. Cal. 4:45. t. 59. 1893; Wall. Cat. 6417 nom. nud.

Distribution: The Khasia Hills, Garampani, Lakhimpur District & Silhet.

Artabotrys cubittii Chatt.

in Journ. Ind. Bot. Soc. 19:1. 1940.

Distribution: Assam, Manipur, Shillong Road on the hills.

Artabotrys speciosus Kurz & Hook. f. & Thoms.

F.B.I. 1:55. 1872; King in Ann. R. bot. Gdn. Cal. 4:45. t. 57. 1893.

Distribution: The Andaman Islands.

Artabotrys suaveolens Blume

in Fl. Jav. Anon. 62. t. 30 & 31 D. 1830; Wall. Cat. 6416 nom. nud.; Hook. f. & Thoms. Fl. Ind. 129. 1855 & F.B.I. 1:55. 1872; King in Ann. R. bot. Gdn. Cal. 4:46. t. 61. 1893; Boerl. Ic. Bog. 1:120. 1899; Prain. Beng. Pl. 1:202. 1903. *Unona suaveolens* Blume, Bijdr. 17. 1825.

Distribution: Bengal, Silhet, Chittagong.

Artabotrys uncinatus (Lamk.) Merr.

in Philipp. Journ. Sc. Bot. 7:234. 1912 & Trans. American Phil. Soc. 24:162. 1935; Raizada in Ind. For. 84:8:472. 1958. *Anona uncinata* Lamk. Encyc. 2: 127. 1790. *Artabotrys odoratissimus* R. Br. in Bot. Reg. 5:t. 423. 1819. (not of Blume); Wall. Cat. 6415. nom. nud.; W. & A. Prodr. 10. 1834;

Hook. f. & Thoms. Fl. Ind. 128. 1855 & F.B.I. 1:54. 1872; King in Ann. R. bot. Gdn. Cal. 4:44. t. 55. 1893; Haines, Bot. Bihar & Orissa 2:10. 1921; Prain, Beng. Pls. 1:202. 1903; Gamble, Fl. Madr. 1:10. 1957; Cooke, Fl. Bomb. 1:10. 1959. *Unona hamata* Dunal, Anon. 106. t. 17. 1817; DC. Prodr. 1:90. 1824. *Uvaria odoratissima* Roxb. Fl. Ind. 2:666. 1832.

Distribution: Bihar, Orissa, Central Bengal & Madras. Usually cultivated in Bombay.

Artabotrys zeylanicus Hook. f. & Thoms.

Fl. Ind. 128. 1855 & F.B.I. 1:54. 1872; Bedd. Ic. Pl. Ind. Or. t. 48. 1874; Gamble, Fl. Madr. 1:10. 1957; Cooke, Fl. Bomb. 1:10. 1958; King in Ann. R. bot. Gdn. Cal. 4:43. t. 53. 1893.

Distribution: Malabar, Canara.

IV. CANANGA Rumph.

Cananga odorata (Lamk.) Hook. f. & Thoms.

Fl. Ind. 130. 1855 & F.B.I. 1:56. 1872; Ast. in Suppl. Fl. Generale, de L' Indochin 1:1:69. 1938; Prain, Beng. Pls. 1:202. 1903; Sinclair in Sarawak Mus. Journ. 5:3:598. 1951 & in Gardens' Bull. 14:324. 1955. *Uvaria odorata* Lamk. Encycl. 1:595. 1785; Roxb. Fl. Ind. 2:661. 1832; Wall. Cat. 6457 nom. nud.; W. & A. Prodr. 8. 1834; Blume, Fl. Jav. Anon. 1:t. 9. 1930. *U. fracta* Wall. Cat. 6460 nom. nud. *U. axillaris* Roxb. Fl. Ind. 2:667. 1832. *Unona odorata* and *U. leptopetala* Dunal, Anon. 108 & 114. 1817; DC. Prodr. 1:90 & 91. 1824. *Canangium odoratum* King in Mat. F.M.P. 1:4:290. 1892 & in Ann. R. bot. Gdn. Cal. 4:51. t. 67. 1893; Ridley, F.M.P. 1:43. 1922; Craib, Fl. Siam. Enum. 1:36. 1925; Corner in Gardens' Bull. Str. Settl. 10:13. 1938 & Wayside trees of Malaya 131. 1940. *C. scorteichinii* King in Mat. F.M.P. 1:4:291. 1892 & in Ann. R. bot. Gdn. Cal. 4:51. 1893; Corner in Gardens' Bull. Str. Settl. 10:14. 1938.

Distribution: Central Bengal and usually cultivated throughout India.

V. CYATHOSTEMMA Griffith.

Cyathostemma argenteum (Bl.) Sinclair

in Sarawak Mus. Journ. 5:3:599. 1951 & in Gardens' Bull. 14:220. 1955; Raizada in Ind. For. 84:8:479. 1958. *Uvaria argentea* Bl. Fl. Jav. Anon. 1:24. t. 6 & 13 D. 1830. *U. bracteata* Roxb. Fl. Ind. 2:660. 1832. *U. gomeziana* A. DC. Mem. Soc. Phys. Geneve 5:203. 1832.

Distribution: East Bengal.

Cyathostemma micranthum (A. DC.) Sinclair, comb. nov.

in Gardens' Bull. 14:225. 1955; Raizada in Ind. For. 84:8:479. 1958. *Guatteria micrantha* A. DC. Mem. Anon. 42. 1832. *Uvaria micrantha* Hook. f. & Thoms. Fl. Ind. 103. 1855 & F.B.I. 1:51. 1872; Kurz, For. Fl. Br. Burma 1:29. 1877; King in Mat.

F.M.P. 1:4:270. 1892 & in Ann. R. bot. Gdn. Cal. 4:26. t. 18. 1893; Ridley, F.M.P. 1:33. 1922; Craib, Fl. Siam. Enum. 1:30. 1925. *U. sumatrana* Kurz, Andam. Report 29. 1870. *Anaxagorea sumatrana* Miq. Fl. Ind. Bot. Suppl. 382, 1861. *Cyathostemma sumatrana* Boerl. in Ic. Bog. 1:3:171. t. 58. 1899. *Polyalthia fruticans* A. DC. Mem. Ann. 42. 1832. *Popowia nitida* King in Mat. F.M.P. 1:4:341. 1891 & in Ann. R. bot. Gdn. Cal. 4:118. t. 165 B. 1893.

Distribution: The Andaman Islands.

***Cyathostemma viridiflorum* Griff.**

in Notul. 4:707. 1854 & Ic. 4:t. 650. 1854.

Distribution: North Andaman.

VI. DESMOS Loureiro

***Desmos chinensis* Lour.**

Fl. Cochinch. 352. 1790; Ridley, F.M.P. 1:46. 1922; Sinclair in Gardens' Bull. 14:266. 1955; Raizada in Ind. For. 84:8:480. 1958. *Unona discolor* Vahl. Symb. Bot. 2:63. t. 36. 1791; Dunal, Anon. 111. 1817; DC. Prodr. 1:19. 1824; Roxb. Fl. Ind. 2:669. 1832; Hook. f. & Thoms. Fl. Ind. 132. 1855 & F.B.I. 1:59. 1872; Kurz, For. Fl. Burma 1:34. 1877; King in Mat. F.M.P. 1:4:293. 1892 & in Ann. R. bot. Gdn. Cal. 4:56. t. 74. 1893; W. & A. Prodr. 9. 1834; Bedd. Ic. Pl. Ind. Or. t. 51. 1874; Prain, Beng. Pls. 1:203. 1903; Kanjilal et al Fl. Assam 1:35. 1935; Haines, Bot. Bihar & Orissa 2:11. 1921; Cooke, Fl. Bomb. 1:12. 1958; *U. dunalii* Hook. f. & Thoms. Fl. Ind. 131. 1855 (the Concan plant); Dalz. & Gibs. Fl. Bomb. 3. 1861 (not Wall.). *U. amherstiana* A. DC. Mem. Anon. 28. 1832. *U. biglandulosa* Bl. Bijdr. 16. 1825. *U. lessertiana* Dunal, Anon. 107. t. 27. 1817; DC. Prodr. 1:90. 1928. *U. cordifolia* Roxb. Fl. Ind. 2:602. 1832.

Distribution: Sikkim, Assam, Khasia Hills, Silhet, Chittagong, Orissa, Central Bengal and Concan.

***Desmos cochinchinensis* Lour.**

Fl. Coch. 1:352. 1790; Ridley, F.M.P. 1:45. 1922; Craib, Fl. Siam. Enum. 1:38. 1925; Ast. Suppl. Fl. Gen. L' Indochine 1:1:66. 1938; Raizada in Ind. For. 84:8:480. 1958; Sinclair in Gardens' Bull. 14:264. 1955; Merr. Trans. American Phil. Soc. 24:160. 1935. *Unona cochinchinensis* A. DC. Prodr. 1:91. 1824. *U. Desmos* Raeusch. Nomencl. ed. 3:161. 1797; Dunal, Anon. 112. 1817; Hook. f. & Thoms. Fl. Ind. 134. 1855 & F.B.I. 1:59. 1872; Miq. Fl. Ind. Bat. 1:42. t. 1. 1858; Kurz, For Fl. Burma 1:34. 1877; King in Mat. F.M.P. 1:4:293. 1892 & in Ann. R. bot. Gdn. Cal. 4:55. t. 73. 1893; Kanjilal et al Fl. Assam 1:35. 1935. *U. pedunculosa* A. DC. Mem. Anon. 28. 1832; Wall. Cat. 6422 nom. nud.

Distribution: Assam, Cachar in evergreen forests between Makum & Lumding.

***Desmos dasymaschala* (Bl.) Safford**

in Bull. Torr. Bot. Club. 39:507. 1912; Ridley, F.M.P. 1:46. 1922; Sinclair in Gardens' Bull. 14:

269. 1955. *Unona dasymaschala* Bl. Fl. Jav. Anon. 1:55. t. 27. 1830; Hook. f. & Thoms. Fl. Ind. 135. 1855 & F.B.I. 1:61. 1872; King in Mat F.M.P. 1:4:296. 1892 & in Ann. R. bot. Gdn. Cal. 4:59. t. 81. 1893. *U. coelophloeia* Scheff. in Flora 52:300. 1869. *U. cleistogama* Burck & Boerl. in Ic. Bog. 1:127. 201. t. 72. 1899. *Dasymaschalon blumei* Finet & Gignep in Bull. Soc. Bot. Fr. Mem. 4:143. 1906. *D. coelophloeum* (Scheff.) Merr. in Philipp. Journ. Sc. 10:237. 1915. *D. cleistogamum* (Burck) Merr. in Philipp. Journ. Sc. 10:237. 1915.

Distribution: The Andaman Islands.

***Desmos dumosus* (Roxb.) Safford**

in Bull. Torr. Bot. Club. 39. 506. 1912; Ridley, F.M.P. 1:46. 1922; Craib, Fl. Siam. Enum. 1:39. 1925; Raizada in Ind. For. 84:8:480. 1958; Sinclair in Gardens' Bull. 14:268. 1955. *Unona dumosa* Roxb. Fl. Ind. 2:670. 1832; Hook. f. & Thoms. Fl. Ind. 131. 1855 & F.B.I. 1:59. 1872; King in Mat. F.M.P. 1:4:299. 1892 & in Ann. R. bot. Gdn. Cal. 4:57. t. 76. 1893; Kanjilal et al Fl. Assam 1:35. 1935. *Desmos subbiglandulosus* (Miq.) Merr. in Philipp. Journ. Sc. 10. 235. 1915. *Unona subbiglandulosa* Miq. Ann. Mus. Bot. Lugd.-Bat. 2:11. 1865. *Oxymitra monilifera* Merr. in Univ. Calif. Publ. Bot. 15:73. 1929.

Distribution: Silhet, Sibsagar district.

***Desmos dunalii* (Hook. f. & Thoms.) Safford**

in Bull. Torr. Bot. Club. 39:506. 1912; Ridley, F.M.P. 1:45. 1922; Sinclair in Gardens' Bull. 14:263. 1955; Raizada in Ind. For. 84:8:480. 1958. *Unona dunalii* Hook. f. & Thoms. Fl. Ind. 131. 1855 exl. Concan Plant & F.B.I. 1:58. 1872; Wall. Cat. 6425 nom. nud.; Miq. Fl. Ind. Bat. 1:41. t. 1. 1854; King in Ann. R. bot. Gdn. Cal. 4:54. t. 71. 1893; Prain, Beng. Pls. 1:203. 1903.

Distribution: Bengal, Chittagong at Sitakund.

***Desmos lawii* Safford**

in Bull. Torr. Bot. Club. 39:506. 1912. *Unona lawii* Hook. f. & Thoms. Fl. Ind. 132. 1855 & F.B.I. 1:59. 1872; Bedd. Ic. Pl. Ind. Or. t. 73. 1874; Gamble, Fl. Madr. 1:10. 1957; Cooke, Fl. Bomb. 1:12. 1958.

Distribution: Malabar, Concan, W. Ghats in Mysore, Travancore and Tinnevely.

***Desmos longiflorus* (Roxb.) Safford**

in Bull. Torr. Bot. Club. 39:507. 1912; Raizada in Ind. For. 84:8:480. 1958. *Unona longiflora* Roxb. Fl. Ind. 2:668. 1832; Wall. Cat. 6419 nom. nud.; Hook. f. & Thoms. Fl. Ind. 134. 1855 & F.B.I. 1:61. 1872; King in Ann. R. bot. Gdn. Cal. 4:58. t. 80. 1893. Prain, Beng. Pls. 1:203. 1903; Haines, Bot. Bihar & Orissa 2:11. 1921; Kanjilal et al Fl. Assam 1:34. 1935.

Distribution: Assam, the Khasia Hills, Chittagong; Orissa, damp forests of Puri.

***Desmos pannosus* (Dalz.) Safford**

in Bull. Torr. Bot. Club. 39:506. 1912. *Unona*

pannosa Dalz. in Hook. Kew Journ. Bot. 3:207. 1851; Hook. f. & Thoms. Fl. Ind. 135. 1855 & F.B.I. 1:58. 1872; Bedd. Ic. Pl. Ind. Or. t. 52. 1874; King in Ann. R. bot. Gdn. Cal. 4:55. t. 72. 1893; Gamble, Fl. Madr. 1:10. 1957; Cooke, Fl. Bomb. 1:11. 1958. *Uvaria mollis* Wall. Cat. 6475 nom. nud.

Distribution: Travancore, Concan, Canara, W. Ghats in Madras.

Desmos praecox (Hook. f. & Thoms.) Safford

in Bull. Torr. Bot. Club. 39:507. 1912. *Unona praecox* Hook. f. & Thoms. Fl. Ind. 136. 1855 & F.B.I. 1:60. 1872; Kanjilal et al. Fl. Assam 1:34. 1935; King in Ann. R. bot. Gdn. Cal. 4:58. t. 79. 1893.

Distribution: Miku Hills in Upper Assam, Sikkim, Riang.

Desmos ramarowii (Dunn) Das comb. nov.

Basionym: *Unona ramarowii* Dunn in Kew Bull. 1914:183. 1914.

Distribution: Madras, Travancore.

Desmos viridiflorus Safford

in Bull. Torr. Bot. Club. 39:506. 1912. *Unona viridiflora* Bedd. Ic. Pl. Ind. Or. 158. t. 34. 1874; Gamble, Fl. Madr. 1:10. 1957; Hook. f. & Thoms. F.B.I. 1:60. 1872; King in Ann. R. bot. Gdn. Cal. 4:56. t. 75. 1893.

Distribution: Anamallai forests in Travancore.

VII. POLYALTHIA Blume

Polyalthia cerasoides (Benth. & Hook.) Hook. f. & Thoms.

F.B.I. 1:63. 1872; Prain, Beng. Pls. 1:204. 1903; Haines, Bot. Bihar & Orissa 2:12. 1921; Gamble, Fl. Madr. 1:12. 1957; Cooke, Fl. Bomb. 1:14. 1958; Kanjilal et al. Fl. Assam 1:33. 1935; King in Ann. R. bot. Gdn. Cal. 4:65. t. 86 B. 1893. *Uvaria cerasoides* Roxb. Fl. Ind. 2:666. 1832 & Corom. Pl. 1:30. t. 33. 1795. *Guatteria cerasoides* Dunal, Anon. 127. 1817; DC. Prodr. 1:93. 1824; Wall. Cat. 6436 nom. nud.; Hook. f. Thoms. Fl. Ind. 1:139. 1855; Dalz. & Gibs. Bomb. Fl. 3. 1861.

Distribution: Bihar, Chotonagpur, Hazaribagh, Manbhum and Gaya Ghats; Assam; Bengal; Concan & Travancore.

Polyalthia coffeoides (Benth. & Hook.) Hook. f. & Thoms.

F.B.I. 1:62. 1872; Bedd. Ic. Pl. Ind. Or. t. 53. 1874; King in Ann. R. bot. Gdn. Cal. 4:67. t. 91. 1893; Gamble, Fl. Madr. 1:11. 1957. *Guatteria coffeoides* Hook. f. & Thoms. Fl. Ind. 141. 1855. Thwaites, Enum. 10. 1864.

Distribution: W. Ghats in S. Canara, Coorg, Malabar, Nilgiris and Travancore upto 4,000 ft.

Polyalthia crassa R. N. Parker

in Ind. For. 55:375. 1929.

Distribution: The Aadamans Islands.

Polyalthia fragrans (Benth. & Hook.) Hook. f. & Thoms.

F.B.I. 1:63. 1872; Bedd. Ic. Pl. Ind. Or. t. 54. 1874; Gamble, Fl. Madr. 1:11. 1957; Copke, Fl. Bomb. 1:13. 1958; King in Ann. R. bot. Gdn. Cal. 4:72. t. 100 A. 1893. *Guatteria fragrans* Dalz. in Hook. Kew Journ. Bot. 3:206. 1851; Hook. f. & Thoms. Fl. Ind. 142. 1855.

Distribution: Malabar; South Concan & Canara.

Polyalthia jenkinsii (Benth. & Hook.) Hook. f. & Thoms.

F.B.I. 1:64. 1872; Kanjilal et al. Fl. Assam 1:32. 1935; King in Ann. R. bot. Gdn. Cal. 4:70. t. 96. 1893 & in Mat. F.M.P. 1:4:306. 1892; Sinclair in Gardens' Bull. 14:305. 1955. *Guatteria jenkinsii* Hook. f. & Thoms. Fl. Ind. 141. 1855. *Polyalthia andamanica* Kurz, Andam. Report. 29. 1870. *P. havilandii* Boerl. in Ic. Bog. 1:107. t. 66. 1899. *P. cumingiana* Merr. in Govt. Lab. Publ. (Philipp.) 35:71. 1906. *P. agusanensis* Merr. in Philip. Journ. Sc. Bot. 10:250. 1915. *P. rumphii* (Bl.) Merr. Enum. Philip. Fl. Pls. 2:162. 1923. sensu Merr. non sensu Bl. *Unona agusanensis* Elm. Leaf. Philip. Bot. 5:1743. 1913.

Distribution: Assam, Silhet & Andamans.

Polyalthia Korinti (Benth. & Hook.) Hook. f. & Thoms.

F.B.I. 1:64. 1872; Gamble, Fl. Madr. 1:11. 1957; King in Ann. R. bot. Gdn. Cal. 4:79. t. 110 A. 1893. *Guatteria Korinti* Dunal, Anon. 133. 1817; DC. Prodr. 1:94. 1824; W. & A. Prodr. 10. 1834; Wight, Ic. Pl. 2:t. 398. 1852; Hook. f. & Thoms. Fl. Ind. 141. 1855. *G. acutiflora* Wall. Cat. 6438 excl. D. nom. nud.

Distribution: E. Ghats and hills from Vizagapatnam southwards to Tinnevely and Travancore.

Polyalthia lateriflora (Bl.) King

in Mat. F.M.P. 1:4. 307. 1892 & in Ann. R. bot. Gdn. Cal. 4:73. t. 102. 1893; Boerl. in Ic. Bog. 1:105. 1899; Ridley, F.M.P. 1:59. 1922; Sinclair in Gardens' Bull. 14:310. 1955. *Guatteria lateriflora* Bl. Bijdr. 20. 1825 & Fl. Jav. Anon. 1:100. t. 50 & 50 D. 1830; Miq. Fl. Ind. Bat. 1:47. t. 1. 1858. *Monoon lateriflorum* Miq. Ann. Mus. Bot. Lugd-Bat. 2:19. 1865.

Distribution: The Andaman Islands.

Polyalthia longifolia (Sonnerat) Thwaites

Enum. 398, 1864; Hook. f. & Thoms. F.B.I. 1:62. 1872; Gamble, Fl. Madr. 1:11. 1957; Prain, Beng. Pls. 1:204. 1903; Kanjilal et al. Fl. Assam 1:31. 1935; Haines, Bot. Bihar & Orissa 2:12. 1921; Cooke, Fl. Bomb. 1:13. 1958; King in Ann. R. bot. Gdn. Cal. 4:72. t. 99. 1893; Sinclair, in Gardens' Bull. 14:322. 1955. *Guatteria longifolia* Wall. Cat. 6442; nom. nud.; W. & A. Prodr. 10. 1834; Wight, Ic. Pl. 1:t. 1. 1852; Hook. f. & Thoms. Fl. Ind. 139. 1855; Thwaites, Enum. 10. 1858. *Uvaria longifolia* Sonnerat, Voyage aux Indes 2:233. Pl. 131. 1782; Roxb. Fl. Ind. 2:664. 1832. *Unona longifolia* Dunal, Anon. 109. 1817.

Distribution: Throughout the hotter parts of India.

***Polyalthia parkinsonii* Hutchinson**

in Kew Bull. 1917:25. 1917.

Distribution: The Andaman Islands.

***Polyalthia rufescens* Hook. f. & Thoms.**

F.B.I. 1:66. 1872; Gamble, Fl. Madr. 1:12. 1957; King in Ann. R. bot. Gdn. Cal. 4:83. t. 116. 1893.

Distribution: Cochin, Travancore.

***Polyalthia simiarum* (Benth. & Hook.) Hook. f. & Thoms.**

F.B.I. 1:63. 1872; Prain, Beng. Pls. 1:204. 1903; Kanjilal et al Fl. Assam 1:31. 1935; Haines, Bot. Bihar & Orissa 2:12. 1921; King in Ann. R. bot. Gdn. Cal. 4:73. t. 101. 1893. *Guatteria simiarum* Ham. Wall. Cat. 6440; nom. nud.; Hook. f. & Thoms. Fl. Ind. 142. 1855. *G. fasciculata* Wall. mss. Voigt Hort. Sub. Cal. 16. 1845.

Distribution: Assam, Chittagong, Silhet, Orissa, N. Bengal, Duars.

***Polyalthia suberosa* (Benth. & Hook.) Hook. f. & Thoms.**

F.B.I. 1:65. 1872; Bedd. Ic. Pl. Ind. Or. t. 56. 1874; Prain, Beng. Pls. 1:204. 1903; Kanjilal et al Fl. Assam 1:31. 1935; Haines, Bot. Bihar & Orissa 2:13. 1921; Gamble, Fl. Madr. 1:12. 1957; Sinclair in Gardens' Bull. 14:298. 1955; King in Ann. R. bot. Gdn. Cal. 4:64. t. 77 B. 1893. *Uvaria suberosa* Roxb. Corom. Pl. 1:t. 34. 1795 & Fl. Ind. 2:567. 1832. *Guatteria suberosa* DC. Prodr. 1:93. 1824; Wall. Cat. 6437 nom. nud.; W. & A. Prodr. 10. 1834; Hook. f. & Thoms. Fl. Ind. 140. 1855.

Distribution: Bengal, Khasia hills, Puri.

***Polyalthia sumatrana* (Miq.) Kurz**

in Journ. As. Soc. Beng. 43:2:53. 1874; King in Mat. F.M.P. 1:4. 302. 1892 & in Ann. R. bot. Gdn. Cal. 4:66. t. 89. 1893; Merr. in Journ. St. Br. Roy. As. Soc. 258. 1921; Ridley, F.M.P. 1:52. 1922; Airyshaw in Kew Bull. 280. 1939; Sinclair in Gardens' Bull. 14:319. 1955. *Guatteria sumatrana* Miq. Fl. Ind. Bat. Suppl. 380. 1861. *Monoon sumatrana* Miq. in Ann. Mus. Bot. Lugd.-Bat. 2:19. 1865.

Distribution: The Andaman Islands.

VIII. TRIVALVARIA Miquel

***Trivalvaria argentea* (Hook. f. & Thoms.) Sinclair**

in Sarawak Mus. Journ. 5:603. 1951. *Polyalthia argentea* Hook. f. & Thoms. F.B.I. 1:67. 1872. *Guatteria pallida* Hook. f. & Thoms. Fl. Ind. 143. 1872.

Distribution: Assam & Silhet.

***Trivalvaria dubia* (Kurz) Sinclair comb. nov.**

in Gardens' Bull. 14:47. 1953. *Popowia dubia* Kurz, For. Fl. Burma 1:38. 1877. *P. kurzii* King in Journ. As. Soc. Beng. 61:96. 1892 and in Ann. R. bot. Gdn. Cal. 4:122. t. 163 B. 1893, excluding syn. *Guatteria macrophylla* Bl.

Distribution: The Andaman Islands, Assam, Garampani district, Sibsagar.

IX. ANAXAGOREA St. Hillaire.

***Anaxagorea luzonensis* A. Gray**

Bot. Wilkes U.S. Explor. Exped. 27. 1854; Hook. f. & Thoms. F.B.I. 1:68. 1872; King in Ann. R. bot. Gdn. Cal. 4:84. t. 118. A. 1893. *A. zeylanica* Hook. f. & Thoms. Fl. Ind. 144. 1855; Thwaites, Enum. 10. 1858; Bedd. Ic. Pl. Ind. Or. t. 46. 1874; Merr. Enum. Philipp. Pls. 2:158. 1923.

Distribution: The Andaman Islands.

X. POPOWIA Endl.

***Popowia beddomeana* Hook. f. & Thoms.**

F.B.I. 1:68. 1872; Gamble, Fl. Madr. 1:12. 1957; King in Ann. R. bot. Gdn. Cal. 4:119. t. 160 B. 1893. *P. ramosissima* Bedd. Ic. Pl. Ind. Or. t. 75 (excl. synon). 1874.

Distribution: Mountains of Travancore & Tinnevely.

***Popowia hookeri* King**

in Journ. As. Soc. Beng. 61:2:97. 1892; Kanjilal et al Fl. Assam 1:36. 1935; King in Ann. R. bot. Gdn. Cal. 4:123. t. 165 A. 1893.

Distribution: Assam. Sibsagar district, Naga Hills.

***Popowia parvifolia* Kurz**

in Journ. Bot. 13:324. 1875.

Distribution: The Nicobar Islands.

XI. FRIESODIELSIA Steen.

***Friesodielsia fornicata* (Roxb.) Das comb. nov.**

Basionym: *Uvaria fornicata* Roxb. Fl. Ind. 2:662. 1832.

Synonyms: *Oxymitra fornicata* Hook. f. & Thoms. Fl. Ind. 146. 1855 & F.B.I. 1:71. 1872; Kanjilal et al Fl. Assam 1:46. 1935; King in Ann. R. bot. Gdn. Cal. 4:124. t. 156 B. 1893. *Uvaria roxburghiana* Wall. Cat. 6423 A. nom. nud.

Distribution: Assam, Silhet & Andamans. N.B. Van Steenis in Bull. Bot. Gard. Buitz. 17:3 458. 1948 has pointed out that the generic name *Oxymitra* Hook. f. & Thoms. cannot be retained as a valid name as this is antedated by Ricciaceous genus *Oxymitra* Bischoff. & Lindenb. Therefore he proposed a new name for this genus namely, *Friesodielsia*. This name is adopted here, although Sinclair, in Gardens' Bull. 14:447. 1955 retains *Oxymitra* Hook. f. & Thoms. as a generic name.

XII. PHAEANTHUS Hook. f. & Thoms.

***Phaeanthus malabaricus* Bedd.**

in Ic. Pl. Ind. Or. t. 76. 1874; Hook. f. & Thoms. F.B.I. 1:72. 1872; King in Ann. R. bot. Gdn. Cal. 4:154. t. 201 B. 1893; Gamble, Fl. Madr. 1:12. 1957.

Distribution: W. Ghats, Malabar.

XIII. GONIOTHALAMUS Hook. f. & Thoms.**Goniothalamus cardiopetalus** Hook. f. & Thoms.

Fl. Ind. 107. 1855 & F.B.I. 1:75. 1872; Bedd. Ic. Pl. Ind. Or. t. 62. 1874; Cooke, Fl. Bomb. 1:14. 1958; Gamble, Fl. Madr. 1:13. 1957; King in Ann. R. bot. Gdn. Cal. 4:93. t. 129. 1893. *Uvaria obovata* Heyne & Wall. Cat. 6471 nom. nud. *Polyalthia cardiopetala* Dalz. in Hook. Kew Journ. Bot. 2:39. 1850.

Distribution: W. Ghats in S. Canara, Coorg, Wynaad & Anamalais.

Goniothalamus griffithii Hook. f. & Thoms.

Fl. Ind. 110. 1855 & F.B.I. 1:73. 1872; King in Ann. R. bot. Gdn. Cal. 4:97. t. 136. 1893.

Distribution: The Andaman Islands.

Goniothalamus macranthus (Kurz) Boerl.

in Ic. Bog. 1:137. 1899; Sinclair in Gardens' Bull. 14:45. 1953. *Unona macrantha* Kurz in Andm. Rep. Edit. 1, App. B. 1. 1867. *Pyramidanthe macrantha* Kurz, Op. Cit. Edit. 2:29. 1870. *Melodorum macranthum* Kurz in Journ. As. Soc. Beng. 41:291. 1872; King in Ann. R. bot. Gdn. Cal. 4:140. t. 186. 1893. *Fissistigma macranthum* Merr. in Philipp. Journ. Sc. Bot. 15:133. 1919.

Distribution: South Andaman.

Goniothalamus meeboldii Craib

in Feede, Report 12:391. 1913.

Distribution: The Andaman Islands.

Goniothalamus rhynchantherus Dunn

in Kew Bull. 1914:182. 1914; Gamble, Fl. Madr. 1:13. 1957.

Distribution: W. Ghats in Tinnevely and Travancore.

Goniothalamus sesquipedalis Hook. f. & Thoms.

Fl. Ind. 108. 1855 & F.B.I. 1:73. 1872; Kanjilal et al. Fl. Assam 1:37. 1935; King in Ann. R. bot. Gdn. Cal. 4:98. t. 138. 1893. *Guatteria sesquipedalis* Wall. Pl. As. Rar. 3:t. 266. 1832; Wall. Cat. 6446 nom. nud. *G. macrophylla* A. DC. Mem. 42. 1832; Wall. Cat. 6451 nom. nud.

Distribution: Sikkim, Assam, Khasia Hills.

Goniothalamus simonsii Hook. f. & Thoms.

Fl. Ind. 108. 1855 & F.B.I. 1:74. 1872; Kanjilal et al. Fl. Assam 1:37. 1935; King in Ann. R. bot. Gdn. Cal. 4:96. t. 137. 1893.

Distribution: Assam, Khasia Hills.

Goniothalamus thwaitesii Hook. f. & Thoms.

Fl. Ind. 106. 1855 & F.B.I. 1:72. 1872; Thwaites, Enum. 7:1864; Bedd. Ic. Pl. Ind. Or. t. 58. 1874; King in Ann. R. bot. Gdn. Cal. 4:88. Pl. 121. 1893; Gamble, Fl. Madr. 1:13. 1957.

Distribution: W. Ghats of S. Travancore & Tinnevely.

Goniothalamus wightii Hook. f. & Thoms.

Fl. Ind. 106. 1855 & F.B.I. 1:76. 1872; Bedd. Ic. Pl. Ind. Or. t. 63. 1874; King in Ann. R. bot. Gdn.

Cal. 4:92. t. 122 B. 1893; Gamble, Fl. Madr. 1:13. 1957.

Distribution: W. Ghats in Anamalais, Travancore & Tinnevely.

Goniothalamus wynaadensis Bedd.

in Ic. Pl. Ind. Or. 1:13. t. 61. 1874; Hook. f. & Thoms. F.B.I. 1:74. 1872; King in Ann. R. bot. Gdn. Cal. 4:92. t. 128. 1893; Gamble, Fl. Madr. 1:13. 1957.

Distribution: W. Ghats in Wynaad.

XIV. MITREPHORA Hook. f. & Thoms.**Mitrephora grandiflora** Bedd.

in Ic. Pl. Ind. Or. 1:t. 101. 1874; Hook. f. & Thoms. F.B.I. 1:78. 1872; King in Ann. R. bot. Gdn. Cal. 4:112. t. 155. 1893; Gamble, Fl. Madr. 1:14. 1957.

Distribution: W. Ghats, near Conoor & Garisopah, S. Canara & Travancore.

Mitrephora heyneana Thwaites

Enum. 8. 1864; Bedd. Ic. Pl. Ind. Or. t. 77. 1874; King in Ann. R. bot. Gdn. Cal. 4:113. t. 152 B. 1893; Gamble, Fl. Madr. 1:14. 1957; Hook. f. & Thoms. F.B.I. 1:77. 1872. *Uvaria heyneana* Wall. Cat. 6463 nom. nud. *U. lutea* β, W. & A. Prodr. 8. 1834. *Orophea heyneana* Hook. f. & Thoms. Fl. Ind. 110. 1855.

Distribution: Carnatic at Courtalum, W. Ghats.

Mitrephora tomentosa Hook. f. & Thoms.

Fl. Ind. 113. 1855 & F.B.I. 1:76. 1872; Prain, Beng. Pls. 1:205. 1903; Kanjilal et al. Fl. Assam 1:38. 1935; King in Ann. R. bot. Gdn. Cal. 4:111. t. 153. 1893.

Distribution: Chittagong, Assam, Garo Hills, Nowgong, N. Cachar.

XV. PSEUDUVARIA Miquel**Pseuduvaria prainii** (King) Merr.

in Philipp. Journ. Sc. 10:4:255. 1915; Raizada in Ind. For. 84:8:504. 1958. *Mitrephora prainii* King in Journ. As. Soc. Beng. 61:2:88. 1892 & in Ann. R. bot. Gdn. Cal. 4:115. t. 158. 1893.

Distribution: The Andaman Islands.

XVI. ANNONA Linn.**Annona muricata** Linn.

Sp. Pl. 1:536. 1753; Bor. Man. Ind. For. Bot. 44. 1953; Wealth of Ind. 1:80. 1948; DC. Prodr. 1:84. 1824.

Distribution: Assam, South India.

Annona reticulata Linn.

Sp. Pl. 1:757. 1762; DC. Prodr. 1:85. 1824; W. & A. Prodr. 7. 1834; Hook. f. & Thoms. Fl. Ind. 115. 1855 & F.B.I. 1:78. 1872; Roxb. Fl. Ind. 3:657. 1832; Wall. Cat. 6489 nom. nud. Prain, Beng. Pls.

1:206. 1903; Haines, Bot. Bihar & Orissa 2:10. 1921; Kanjilal et al. Fl. Assam 1:43. 1935; Cooke, Fl. Bomb. 1:15. 1958; Gamble, Fl. Madr. 1:14. 1957; Merr. Trans. American Phil. Soc. 24:162. 1935.

Distribution: Bengal, Purneah; Assam, Khasia Hills, Shillong.

Annona squamosa Linn.

Sp. Pl. 1:757. 1762; DC. Prodr. 1:85. 1824; Roxb. Fl. Ind. 2:657. 1832; W. & A. Prodr. 7. 1834; Wall. Cat. 6490 nom. nud. Hook. f. & Thoms. Fl. Ind. 1:15. 1855 & F.B.I. 1:78. 1872; Prain, Beng. Pls. 1:206. 1903; Haines, Bot. Bihar & Orissa 2:9. 1921; Cooke, Fl. Bomb. 1:15. 1958; Gamble, Fl. Madr. 1:14. 1957; Kanjilal et al. Fl. Assam 1:43. 1935; Merr. Trans. American Phil. Soc. 24:162. 1935.

Distribution: Almost throughout India, Bengal, Assam, Bihar, W. Palamau, Hazaribag, S. India.

XVII. FISSISTIGMA Griffith.

Fissistigma bicolor (Roxb.) Merr.

in Philipp. Journ. Sc. Bot. 15:131. 1919; Raizada in Ind. For. 84:8:485. 1958. *Uvaria bicolor* Roxb. Fl. Ind. 2:662. 1832 (not of Wall. Cat.) *Melodorum bicolor* Hook. f. & Thoms. Fl. Ind. 1:19. 1855 & F.B.I. 1:80. 1872; Kanjilal et al. Fl. Assam 1:48. 1935; King in Ann. R. bot. Gdn. Cal. 4:133. t. 175 B. 1893.

Distribution: Sikkim, Himalaya. Assam, Khasia Hills. Bengal.

Fissistigma polyanthum (Hook. f. & Thoms.) Merr.

in Philipp. Journ. Sc. Bot. 15:135. 1919; Chatt. in Kew Bull. 1948: 373. 1948. *Uvaria polyantha* Wall. Cat. 6467 nom. nud. *Melodorum polyanthum* Hook. f. & Thoms. Fl. Ind. 1:21. 1855 & F.B.I. 1:81. 1872; Prain, Beng. Pls. 1:205. 1903; Kanjilal et al. Fl. Assam 1:49. 1935; King in Ann. R. bot. Gdn. Cal. 4:131. t. 172 A. 1893.

Distribution: Khasia Hills; Silhet, Chittagong, Naga Hills.

Fissistigma polyanthum Merr. var. *elliptica* Das comb. nov.

Basionym: *Melodorum polyanthum* Hook. f. & Thoms. var. *elliptica* King in Ann. R. bot. Gdn. Cal. 4:131. 1893.

Distribution: Bengal, Chittagong Hill tracts.

Fissistigma rubiginosum (A. DC.) Merr.

in Philipp. Journ. Sc. Bot. 15:135. 1919; Sinclair in Gardens' Bull. 14:361. 1955; Raizada in Ind. For. 84:8:485. 1958. *Uvaria rubiginosa* A. DC. in Mem. Soc. Phys. Geneve 5:202. 1832; Wall. Cat. 6465 nom. nud. *U. nervosa* Wall. Cat. 6479 nom. nud. *U. fulva* Wall. Cat. 6427 nom. nud. *Melodorum rubiginosum* Hook. f. & Thoms. Fl. Ind. 1:16. 1855 & F.B.I. 1:79. 1872; King in Ann. R. bot. Gdn. Cal. 4:138. t. 183. 1893 (including var. *oblonga*); Ridley, F.M.P. 1:88. 1922; Craib, Fl. Siam. Enum. 57. 1925; Sinclair in Gardens' Bull. 14:361. 1955.

Distribution: Silhet, Chittagong, Assam.

Fissistigma rufinerve (Hook. f. & Thoms.) Merr.

in Philipp. Journ. Sc. Bot. 15:136. 1919. *Melodorum rufinerve* Hook. f. & Thoms. Fl. Ind. 1:19. 1855 & F.B.I. 1:81. 1872; Kanjilal et al. Fl. Assam 1:49. 1935; King in Ann. R. bot. Gdn. Cal. 4:130. t. 171 B. 1893.

Distribution: Eastern Bengal, Silhet & Cachar.

Fissistigma verrucosum (Hook. f. & Thoms.) Merr.

in Philipp. Journ. Sc. Bot. 15:137. 1919. *Melodorum verrucosum* Hook. f. & Thoms. Fl. Ind. 1:19. 1855 & F.B.I. 1:80. 1872; King in Ann. R. bot. Gdn. Cal. 4:134. t. 177 A. 1893; Kanjilal et al. Fl. Assam 1:47. 1935.

Distribution: The Khasia Hills, Miku Hills, Assam.

Fissistigma Wallichii (Hook. f. & Thoms.) Merr.

in Philipp. Journ. Sc. Bot. 15:137. 1919. *Melodorum wallichii* Hook. f. & Thoms. Fl. Ind. 1:18. 1855 & F.B.I. 1:81. 1872; Kanjilal et al. Fl. Assam 1:48. 1935; King in Ann. R. bot. Gdn. Cal. 4:133. t. 175 A. 1893. *Uvaria bicolor* Wall. Cat. 6466, not of Roxb.

Distribution: Eastern Beng., Silhet, Assam, Khasia Hills, Cachar.

XVIII. XYLOPIA Linn.

Xylopi parvifolia Hook. f. & Thoms.

Fl. Ind. 1:25. 1855 & F.B.I. 1:84. 1872; Thwaites, Enum. 9. 1864; Bedd. Ic. Pl. Ind. Or. t. 43. 1874; King in Ann. R. bot. Gdn. Cal. 4:145. t. 190 A. 1893; Gamble, Fl. Madr. 1:15. 1957.

Distribution: Madras, Travancore.

XIX. MILIUSA Leschen.

Miliusa andamanica (King) Finet & Gagnep

in Bull. Soc. Bot. Fr. Mem. 4:151. 1906; Raizada in Ind. For. 84:8:497. 1958. *Phacanthus andamancus* King in Journ. As. Soc. Beng. 61:2:122. 1892.

Distribution: The Andaman Islands.

Miliusa dolicantha Craib

in Kew Bull. 1920:108. 1920.

Distribution: The Himalayas, Khasia Hills, Assam.

Miliusa eriocarpa Dunn

in Gamble, Fl. Madr. 1:21. 1915; Dunn in Kew Bull. 1916: 58. 1916. *M. indica* var. *tomentosa* Hook. f. & Thoms. F.B.I. 1:86. 1872.

Distribution: W. Ghats in Mysore, Travancore and Tinnevely, Hills of Salem.

Miliusa indica Leschen.

in A. DC. Mem. Soc. Genev. 5:36. 1832; King in Ann. R. bot. Gdn. Cal. 4:157. t. 205 A. 1893; Cooke, Fl. Bomb. 1:16. 1858; Hook. f. & Thoms. Fl. Ind. 1:48. 1855 & F.B.I. 1:86. 1872; Wall. Cat. 6433 nom. nud.; Bedd. Ic. Pl. Ind. Or. t. 85. 1874.

Distribution: Malabar, Anamalai, Tinnevely, Mysore, N. Canara, Nilgiris, Coimbatore & Bengal.

Miliusa longiflora (Hook. f. & Thoms.) Sinclair

in Gardens' Bull. 14:378. 1955; Raizada in Ind. For. 84:8:497. 1958. *Saccopetalum longiflorum* Hook. f. & Thoms. Fl. Ind. 151. 1855 & F.B.I. 1:88. 1872; Prain, Beng. Pls. 1:200. 1903; Haines, Bot. Bihar & Orissa 2:14. 1921.

Distribution: Eastern Bengal, Purneah, Chittagong.

Miliusa macrocarpa Hook. f. & Thoms.

Fl. Ind. 150. 1855 & F.B.I. 1:86. 1872; Kanjilal et al Fl. Assam 1:41. 1935; King in Ann. R. bot. Gdn. Cal. 4:155. t. 202 A. 1893.

Distribution: Sikkim, Himalaya, Khasia Hills, Darjeeling.

Miliusa montana Gardn. & Hook. f. & Thoms.

Fl. Ind. 148. 1855; Bedd. Ic. Pl. Ind. Or. t. 84. 1874; Gamble, Fl. Madr. 1:15. 1957. *M. indica* var. *montana* Hook. f. & Thoms. F.B.I. 1:86. 1872. *M. indica* var. *strigosa* Hook. f. & Thoms. F.B.I. 1:86. 1872.

Distribution: W. Ghats in Malabar, Nilgiris, Anamalais, Tinnevely, Cuddapah.

Miliusa nilagirica Bedd. & Hook. f. & Thoms.

F.B.I. 1:87. 1872; Bedd. in Ic. Pl. Ind. Or. t. 88. 1874; King in Ann. R. bot. Gdn. Cal. 4:156. t. 203 A. 1893; Gamble, Fl. Madr. 1:15. 1957.

Distribution: The Nilgiris.

Miliusa roxburghiana Hook. f. & Thoms.

Fl. Ind. 150. 1855 & F.B.I. 1:87. 1872; Kanjilal et al Fl. Assam 1:42. 1935; Prain, Beng. Pls. 1:201. 1903; King in Ann. R. bot. Gdn. Cal. 4:155. t. 189 B. 1893. *M. wallichiana* Hook. f. & Thoms. Fl. Ind. 149. 1855; *Uvaria dioica* Roxb. Fl. Ind. 2:659. 1832. *Guatteria globosa* A. DC. in Mem. Soc. Genev. 5:43. 1832; Wall. Cat. 6448 nom. nud. *Hyalostemma roxburghiana* Wall. Cat. 6434 nom. nud.; Griff. Ic. Pl. Ind. Or. 4:t. 653. 1854.

Distribution: Sikkim, Mungpoo, the Khasia Hills, Assam, Chittagong, Silhet, Bengal, Naga Hills.

Miliusa tectona Hutchinson & Parkinson

For. Fl. Andaman Isl. 75. 1923. *Saccopetalum tectonum* Chatt. in Kew Bull. 1948: 59. 1948; Raizada in Ind. For. 84:8:506. 1958. *S. horsefieldii* Benn. Pl. Jav. Rar. 165. t. 35. 1838-52.

Distribution: The Andaman Islands.

Miliusa tomentosa (Roxb.) Sinclair comb. nov.

in Gardens' Bull. 14:378. 1955; Raizada in Ind. For. 84:8:497. 1958. *Saccopetalum tomentosum* Hook. f. & Thoms. Fl. Ind. 152. 1855 & F.B.I. 1:88. 1872; Gamble, Fl. Madr. 1:16. 1957; Cooke, Fl. Bomb. 1:17. 1958; Prain, Beng. Pls. 1:200. 1903; Haines, Bot. Bihar & Orissa 2:14. 1921. *Uvaria tomentosa* Roxb. corom. Pl. 1. t. 35. 1795 & Fl. Ind.

2:667. 1832; Wall. Cat. 6472 nom. nud. W. & A. Prodr. 8. 1834.

Distribution: Terai of Nepal, Gorakpur, Bihar, Chotanagpur, Orissa, W. Ghats, Concan, Travancore, Canara, Hyderabad.

Miliusa velutina Hook. f. & Thoms.

Fl. Ind. 151. 1855 & F.B.I. 1:87. 1872; Prain, Beng. Pls. 1:201. 1903; Haines, Bot. Bihar & Orissa 2:13. 1921; Kanjilal et al Fl. Assam 1:41. 1935; Gamble, Fl. Madr. 1:15. 1957; King in Ann. R. bot. Gdn. Cal. 4:158. t. 206. 1893. *Uvaria velutina* Dunal, Anon. 91. 1817. *U. villosa* Roxb. Fl. Ind. 2:664. 1832. *Guatteria velutina* A. DC. in Mem. Soc. Genev. 5:42. 1932; Wall. Cat. 6441 nom. nud.

Distribution: Garhwal, Mussorie, Dehra Dun, Nellore, Assam, Garo Hills, Bihar, Orissa & N. Bengal.

Miliusa Wightiana Hook. f. & Thoms.

Fl. Ind. 149. 1855 & F.B.I. 1:87. 1872; Bedd. Ic. Pl. Ind. Or. t. 86. 1874; King in Ann. R. bot. Gdn. Cal. 4:156. t. 202. B. 1893.

Distribution: W. Ghats in the Nilgiris, Coimbatore, Tinnevely & Travancore.

XX. ALPHONSEA Hook. f. & Thoms.

Alphonsea lutea Hook. f. & Thoms.

Fl. Ind. 153 & F.B.I. 1:89. 1872; Thwaites, Enum. 399. 1864; Bedd. Ic. Pl. Ind. Or. t. 91. 1874; Kanjilal et al Fl. Assam 1:39. 1935; Prain, Beng. Pls. 1:201. 1903; Haines, Bot. Bihar & Orissa 2:15. 1921; Gamble, Fl. Madr. 1:17. 1957; King in Ann. R. bot. Gdn. Cal. 4:162. t. 209. 1893. *Uvaria lutea* Roxb. Corom. Pl. 1:t. 36. 1795 & Fl. Ind. 2:666. 1832 (not of Wall.) *U. russellii* Wall. Cat. 6464 nom. nud.

Distribution: Assam, Silhet, Orissa, Puri division, Eastern slopes of Nilgiris below Coonoor, Madras.

Alphonsea madraspatana Bedd.

in Ic. Pl. Ind. Or. t. 92. 1874; Hook. f. & Thoms. F.B.I. 1:89. 1872; King in Ann. R. bot. Gdn. Cal. 4:165. t. 214 A; Gamble, Fl. Madr. 1:16. 1957.

Distribution: By streams in Mysore & Carnatic. Forests of E. Ghats in ravines and by streams in Vizagapatam, Cuddapah & N. Arcot.

Alphonsea sclerocarpa Thwaites

in Enum. 11. 1864; Hook. f. & Thoms. F.B.I. 1:89. 1872; King in Ann. R. bot. Gdn. Cal. 4:166. t. 215 A. 1893; Gamble, Fl. Madr. 1:16. 1957.

Distribution: W. Ghats in Nilgiris, Malabar, Anamalais, Pulneys & Tinnevely.

Alphonsea ventricosa Hook. f. & Thoms.

Fl. Ind. 152. 1855 & F.B.I. 1:89. 1872; Prain, Beng. Pls. 1:201. 1903; Haines, Bot. Bihar & Orissa 2:15. 1921; Kanjilal et al Fl. Assam 1:39. 1935; King in Ann. R. bot. Gdn. Cal. 4:162. t. 210. 1893. *Uvaria*

ventricosa Roxb. Fl. Ind. 2:658. 1832; Wall. Cat. 6453 nom. nud.

Distribution: Assam, Cachar, Naga Hills, Bengal, Chittagong, Mourbhanj, Rajmahal Hills & the Andaman Island.

***Alphonsea zeylanica* Hook. f. Thoms.**

Fl. Ind. 153. 1855 & F.B.I. 1:89. 1872; Bedd. Ic. Pl. Ind. Or. t. 90. 1874; King in Ann. R. bot. Gdn. Cal. 4:165. t. 214 B. 1893; Gamble, Fl. Madr. 1:16. 1957. *Uvaria lutea* var. *a* W. & A. Prodr. 8. (excl. syn.) 1834. *Guatteria acutifolia* Wall. Cat. 6438 D nom. nud.

Distribution: Travancore at Courtalam.

XXI. OROPHEA Blume

***Orophea erythrocarpa* Bedd.**

in Madr. Journ. Sc. 22:2:71. 1861 & Ic. Pl. Ind. Or. t. 68. 1874; Hook. f. & Thoms. F.B.I. 1:91. 1872; Gamble, Fl. Madr. 1:17. 1957; King in Ann. R. bot. Gdn. Cal. 4:103. t. 145 A. 1893.

Distribution: W. Ghats in Anamalais & Travancore.

***Orophea hexandra* Blume**

in Bijdr. 1:18. 1825; King in Ann. R. bot. Gdn. Cal. 4:105. t. 147 B. 1893. *O. acuminata* A. DC. in Mem. Soc. Genev. 5:39. 1832; Hook. f. & Thoms. Fl. Ind. 112. 1855 & F.B.I. 1:91. 1872; Wall. Cat. 6432 nom. nud.

Distribution: The Andaman Islands.

***Orophea katschallica* Kurz**

in Journ. Bot. 13:323. 1875.

Distribution: The Andaman & Nicobar Islands.

***Orophea polycarpa* A. DC.**

in Mem. Soc. Genev. 5:39. 1832; Hook. f. & Thoms. Fl. Ind. 111. 1855 & F.B.I. 1:91. 1872; Wall. Cat. 6431 nom. nud. Griff. Ic. Pl. Ind. Or. 4:t. 654. 1854; King in Ann. R. bot. Gdn. Cal. 4:109. t. 151 A. 1893; Sinclair in Gardens' Bull. 14:395. 1955. *O. anceps* Pierre, Fl. For. Cochinch. t. 46. 1881. *O. undulata* Pierre, Fl. For. Cochinch. t. 45. 1881. *O. polycephala* Pierre, Fl. For. Cochinch. t. 46. 1881. *O. gracilis* King in Mat. F.M.P. 1:4:332. 1892 & in Ann. R. bot. Gdn. Cal. 4:107. t. 149 A. 1893; Ridley, F.M.P. 1:71. 1922.

Distribution: Sikkim, the Himalayas & the Andaman Islands.

***Orophea salacifolia* Hutchinson**

in Kew Bull. 1923:115. 1923.

Distribution: The Andaman Islands.

***Orophea thomsoni* Bedd.**

in Madr. Journ. 22:2:72. 1861 & in Ic. Pl. Ind. Or. t. 68. 1874; Hook. f. & Thoms. F.B.I. 1:91. 1872; King in Ann. R. bot. Gdn. Cal. 4:103. t. 144 B. 1893; Gamble, Fl. Madr. 1:17. 1957.

Distribution: The W. Ghats in the Anamalais, Travancore & Tinnevely.

***Orophea torulosa* Hutchinson**

in Kew Bull. 1923:117. 1923.

Distribution: The Andaman Islands.

***Orophea uniflora* Hook. f. & Thoms.**

Fl. Ind. 111. 1855 & F.B.I. 1:90. 1872; Bedd. Ic. Pl. Ind. Or. t. 69. 1874; King in Ann. R. bot. Gdn. 1957.

Distribution: The W. Ghats from Coorg through Wynaad to Travancore, Tinnevely, Madras.

***Orophea zeylanica* Hook. f. & Thoms.**

Fl. Ind. 111. 1855 & F.B.I. 1:90. 1872; Thwaites, Enum. 8. 1864; Bedd. Ic. Pl. Ind. Or. t. 70. 1874; Cooke, Fl. Bomb. 1:17. 1958; King in Ann. R. bot. Gdn. Cal. 4:104. t. 146 B. 1893; Gamble, Fl. Madr. 1:17. 1957.

Distribution: Canara, Coorg, Mysore, Travancore, Malabar & Concan.

XXII. SAGERAEA Dalz.

***Sageraea dalzellii* Bedd.**

In Ic. Pl. Ind. Or. t. 42. 1874; Chatterjee, in Proc. Linn. Soc. London 154:267. 1941-42; Gamble, Fl. Madr. 1:8. 1957; King in Ann. R. bot. Gdn. Cal. 4:9. 1893.

Distribution: S. India, Anamalai forests, Malabar, Travancore & Tinnevely.

***Sageraea grandiflora* Dunn**

in Kew Bull. 1914:182. 1914; Gamble, Fl. Madr. 1:8. 1957; Chatterjee, in Proc. Linn. Soc. London 154:267. 1941-42.

Distribution: Travancore.

***Sageraea laurifolia* (Grah.) Blatter**

in Journ. Bomb. Nat. Hist. Soc. 294. 1931; Raizada in Ind. For. 84:8:506. 1955; Chatterjee in Proc. Linn. Soc. London 154:266. 1941-42. *S. laurina* Dalz. in Kew Journ. Bot. 3:207. 1851; Hook. f. & Thoms. Fl. Ind. 93. 1855; Dalz. & Gibson, Fl. Bomb. 2. 1861; Baillon, Nat. Hist. 96. 1. 1811; Bedd. Ic. Pl. Ind. Or. t. 9. 1874; King in Ann. R. bot. Gdn. Cal. 4:7. t. 35 B. 1893; Talbot, For. Fl. Bomb. 1:33. 1909; Kanjilal et al Fl. Assam 1:42. 1935; Chatterjee in Proc. Linn. Soc. 154:266. 1941-42. *Bocagea dalzellii* Hook. f. & Thoms. F.B.I. 1:92. 1872; Cooke, Fl. Bomb. 1:18. 1958, p.p. *Guatteria laurifolia* Graham Cat. Bomb. Pl. 4. 1839.

Distribution: Bomb. Presidency on the W. Ghats, Malabar, Concan & Canara on the hills.

***Sageraea listeri* King**

in Ann. R. bot. Gdn. Cal. 4:7. t. 35 A. 1893; Prain, Beng. Pls. 1:198. 1903; Chatterjee, in Proc. Linn. Soc. 154:268. 1941-42.

Distribution: Bengal, Chittagong Hill tracts.

***Sageraea listeri* King var. *andamanica* Chatterjee & Mukerjee**

in Proc. Linn. Soc. 154:268. 1941-42.

Distribution: The Andaman Islands.