



Flora of **TAMILNADU** INDIA

SERIES I : ANALYSIS
VOLUME THREE

A.N. HENRY, V. CHITHRA & N.P. BALAKRISHNAN



GOVERNMENT OF INDIA

FLORA OF TAMIL NADU

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Series I: Analysis

(IN THREE VOLUMES)

VOLUME THREE

A. N. HENRY, V. CHITHRA & N. P. BALAKRISHNAN

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PLAN OF THE ANALYSIS

In the Analysis, the families are broadly arranged in the sequence of Bentham and Hooker's system with present day delimitation of certain families. The third volume deals with about 1290 species and infra specific taxa, from Hydrocharitaceae to Poaceae; the Gymnosperms are included at the end. The genera and species in a family are arranged alphabetically. The treatment of each species includes the original citation of the correct name, followed by relevant synonyms, if any, thereby facilitating reference to *Flora of British India* by Hooker and *Flora of the Presidency of Madras* by Gamble (and Fischer). References to published drawings/plates of species are also given wherever practicable. Local names, if any, are given in italics separately after the citation of literature. Short descriptive notes on habit and habitat are also included. Under distribution, the names of districts are given; the recently formed districts have however been not treated separately. It may be noted that most of the species dealt with in the Analysis are present in MH. Wherever a species is absent from

MH, but present in CAL (or other herbarium) its abbreviation is given against the district/region concerned in the distribution. If no specimen of a species has been seen from a particular district in any of the herbaria, reference to an author (with year) listed in the References is cited as to its authority.

Species endemic to India, endangered or rare, and species economically important and considered important in plant breeding work are marked by the following symbols after the distribution, separated by a full stop:

- O** : Endemic species
- +** : Endangered species
- R** : Rare species
- E** : Economically important species
- B** : Species useful in plant breeding

A list of References for all the three volumes arranged alphabetically author-wise is included at the end.

ANALYSIS

HYDROCHARITACEAE

S.R. SRINIVASAN

Blyxa aubertii Rich. in Mem. Cl. Sci. Math. Inst. Natl. France 12(2): 77. t. 4. 1812. *B. oryzetorum* (Decne.) Hook. f. Fl. Brit. India 5: 661. 1888. *Diplosiphon oryzetorum* Decne. in Jacq. Voy. 167. 1884. *Blyxa ceylanica* Hook. f. Fl. Brit. India 5: 661. 1888; Fischer in Gamble, Fl. Pres. Madras 3: 978. 1957 (repr. ed.). *B. griffithii* Planch. ex Hook. f. Fl. Brit. India 5: 661. 1888 p.p.

A submerged herb in still or flowing waters.

Distrib.: Coimbatore, Madurai (PCM).

Blyxa echinosperma (Clarke) Hook. f. Fl. Brit. India 5: 661. 1888; Fischer in Gamble, Fl. Pres. Madras 3: 978. 1957 (repr. ed.). *Hydrotraphus echinospermus* Clarke in J. Linn. Soc. Bot. 14: 8. t. 1. 1875. *Blyxa lancifolia* Hook. f. Fl. Brit. India 5: 661. 1888. *B. talbotii* Hook. f. Fl. Brit. India 5: 661. 1888; Fischer in Gamble, Fl. Pres. Madras 3: 978. 1957 (repr. ed.).

A submerged herb in still or flowing waters.

Distrib.: Chengalpattu, South Arcot.

Blyxa octandra (Roxb.) Planch. ex Thw. Enum. Pl. Zeyl. 332. 1864 excl. descr.; Fischer in Gamble, Fl. Pres. Madras 3: 978. 1957 (repr. ed.). *Vallisneria octandra* Roxb. Pl. Cor. t. 165. 1802. *Blyxa roxburghii* Rich. in Mem. Cl. Sci. Math. Inst. Natl. France 12(2): 77. t. 5. 1812; Hook. f. Fl. Brit. India 5: 660. 1888. *B. griffithii* Planch. ex Hook. f. Fl. Brit. India 5: 661. 1888 p.p.

A submerged herb in still or flowing waters.

Distrib.: Chengalpattu (Mayuranathan 1929); South Arcot; "All Districts" (Fischer 1957).

Enhalus acoroides (L.f.) Royle, Ill. 453. 1840; Fischer in Gamble, Fl. Pres. Madras 3: 1305. 1957 (repr. ed.); Hartog, Sea-grasses World 215. 1970. *Stratiotes acoroides* L.f. Suppl. Pl. 268. 1781. *Enhalus koenigii* Rich. in Mem. Cl. Sci. Math. Inst. Natl. France 2(2): 64 & 78. 1812; Hook. f. Fl. Brit. India 5: 663. 1888.

A robust submerged, marine herb, in tidal and sub-tidal zones on sandy and muddy bottoms.

Distrib.: Pudukkottai, Ramanathapuram, Thanjavur.

Halophila beccarii Asch. in Nuovo Giorn. Bot. Ital. 3: 302. 1871; Hartog, Sea-grasses World 261. 1970; Matthew & Britto in Matthew, Fl. Tamilnadu Carnatic 3: 1544. 1983.

A slender submerged marine herb.

Distrib.: South Arcot, Tirunelveli.

Halophila decipiens Ostenf. in Bot. Tidsskr. 24: 260. 1920; Hartog in Steenis, Fl. Males. ser. 1. 5: 410. t. 18. 1957 & Sea-grasses World 254. 1970; Parthasarathy et al. in IX Intern. Symp. Trop. Ecol. (Abstracts) 160. 1987; Lakshmanan et al. in Curr. Sci. 57: 199. 1988.

A submerged, slender, creeping marine herb.

Distrib.: Tirunelveli.

Halophila ovalis (R. Br.) Hook. f. Fl. Tasman. 2: 45. 1858; Fischer in Gamble, Fl. Pres. Madras 3: 1304. 1957 (repr. ed.); Hartog, Sea-grasses World 240. 1970. *Caulinia ovalis* R. Br. Prodr. 1: 339. 1810.

Halophila ovata auct. non Gaudich. 1827; Hook. f. Fl. Brit. India 5: 663. 1888; Fischer in Gamble, Fl. Pres. Madras 3: 979. 1957 (repr. ed.) p.p.

A slender, submerged marine herb in sea and backwaters.

Distrib.: Chengalpattu, Kanniyakumari (UCT), Pudukkottai, Ramanathapuram, South Arcot, Thanjavur, Tirunelveli.

Halophila ovata Gaudich. Voy. Uranie t. 40. f. 1. 1827; Fischer in Gamble, Fl. Pres. Madras 3: 978. 1957 (repr. ed.) p.p.; Hartog, Sea-grasses World 251. 1970 & in Steenis, Fl. Males. ser. 1. 6: 953. 1972. *H. minor* (Zoll.) Hartog in Steenis, Fl. Males. ser. 1. 5: 410. f. 17b. 1957; Sachet & Fosberg in Taxon 22: 441. 1973. *Lemnopsis minor* Zoll. Syst. Verz. Ind. Archip. 1: 75. 1854.

A slender marine creeping herb, in shallow waters.

Distrib.: Pudukkottai, Ramanathapuram (Hartog 1970), South Arcot, Thanjavur, Tirunelveli.

Halophila stipulacea (Forssk.) Asch. in Bot. Zeitung (Berlin) 25: 95. 1867; Hartog, Sea-grasses World 258. 1970. *Zostera stipulacea* Forssk. Fl. Aeg. -Arab. 158. 1775. *Halophila balfourii* Soler. in Beih. Bot. Centralbl. 30(1): 47. 1913; Fischer in Gamble, Fl. Pres. Madras 3: 1305. 1957 (repr. ed.). *H. ovata* auct. non Gaudich. 1827; Fischer in Gamble, Fl. Pres. Madras 3: 979. 1957 (repr. ed.) p.p.

A small submerged marine herb, in tidal and sub-tidal zones.

Distrib.: Pudukkottai, Ramanathapuram (Hartog 1970), Thanjavur.

Hydrilla verticillata (L.f.) Royle, Ill. 376. 1839; Hook. f. Fl. Brit. India 5: 659. 1888; Fischer in Gamble, Fl. Pres. Madras 3: 977. 1957 (repr. ed.). *Serpicula verticillata* L.f. Suppl. Pl. 416. 1781; Roxb. Pl. Cor. t. 164. 1802.

A slender submerged stoloniferous, copiously branched herb in water.

Distrib.: Almost all districts.

Nechamandra alternifolia (Roxb.) Thw. Enum. Pl. Zeyl. 332. 1864. *Vallisneria alternifolia* Roxb. Fl. Ind. 3: 750. 1832; Wight, Ill. 1: t. 11. 1840. *Lagarosiphon alternifolia* (Roxb.) Druce in Bot. Soc. Exch. Club Brit. Isles 1916: 630. 1917; Fischer in Gamble, Fl. Pres. Madras 3: 977. 1957 (repr. ed.); Govindarajalu in Proc. Indian Acad. Sci. (Plant Sci.) 93: 15. 1984. *L. roxburghii* (Planch.) Benth. in Benth. & Hook. f. Gen. Pl. 3: 451. 1880; Hook. f. Fl. Brit. India 5: 659. 1888. *Nechamandra roxburghii* Planch. in Ann. Sci. Nat. Bot. ser. 3. 11: 78. 1849.

A common, submerged herb in fresh water.

Distrib.: Almost all districts.

Ottelia alismoides (L.) Pers. Syn. 1: 400. 1805; Hook. f. Fl. Brit. India 5: 662. 1888; Fischer in Gamble, Fl. Pres. Madras 3: 978. 1957 (repr. ed.); Matthew, Ill. Fl. Tamilnadu Carnatic t. 688. 1982. *Stratiotes alismoides* L. Sp. Pl. 535. 1753.

A flaccid herb, submerged or partially floating.

Distrib.: Almost all districts.

Thalassia hemprichii (Ehrenb.) Asch. in Petermanns Geogr. Mitt. 17: 242. 1871; Hartog, Sea-grasses World 232. 1970; Lakshmanan & Rajeshwari in Curr. Sci. 51: 373. 1982. *Schizotheca hemprichii* Ehrenb. in Abh. Berl. Akad. Wiss. 1832 (1): 429. 1834.

A submerged perennial marine creeping herb.

Distrib.: Chengalpattu, Pudukkottai, Ramanathapuram (Lakshmanan & Rajeshwari 1982), Thanjavur, Tirunelveli.

Vallisneria natans (Lour.) Hara in J. Jap. Bot. 49: 136. 1974. *Physkium natans* Lour. Fl. Cochinch. 2: 663. 1790. *Vallisneria spiralis* auct. non L. 1753; Wight, Ill. 1: tt. 23 & 24. 1840; Hook. f. Fl. Brit. India 5: 660. 1888 p.p.; Fischer in Gamble, Fl. Pres. Madras 3: 977. 1957 (repr. ed.).

A submerged stoloniferous herb in fresh water.

Distrib.: Almost all districts. E.

BURMANNIACEAE

S.R. SRINIVASAN

Burmannia candelabrum Gagnep. in Bull. Soc. Bot. France 54: 462. 1907; Jonker in Meded. Bot. Mus. Herb. Rijks. Univ. Utrecht 51: 160. 1938. *B. candida* Griff. ex Hook. f. Fl. Brit. India 5: 665. 1888 p.p.; Fischer in Rec. Bot. Surv. India 9(1): 173. 1921. *B. coelestis* sensu Fischer in Gamble, Fl. Pres. Madras 3: 979. 1957 p.p., non D. Don 1825.

A slender herb up to 20 cm tall.

Distrib.: Coimbatore (Fischer 1921).

Burmannia coelestis D. Don, Prodr. Fl. Nep. 44. 1825; Hook. f. Fl. Brit. India 5: 665. 1888; Fischer in Gamble, Fl. Pres. Madras 3: 979. 1957 (repr. ed.) p.p.

A very slender herb up to 30 cm long.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem (Marthew & Britto 1983).

Burmannia pusilla (Wall. ex Miers) Thw. Enum. Pl. Zeyl. 325. 1864; Hook. f. Fl. Brit. India 5: 665. 1888. *Tripteranthus pusilla* Wall. ex Miers in Trans. Linn. Soc. London 18: 537. 1841. *Burmannia coelestis* sensu Fischer in Gamble, Fl. Pres. Madras 3: 979. 1957 p.p., non D. Don 1825.

A slender herb.

Distrib.: Kanniyakumari.

Burmannia wallichii (Miers) Hook. f. Fl. Brit. India 5: 666. 1888; Fischer in Rec. Bot. Surv. India 9(1): 173. 1921. *Gonyanthes wallichii* Miers in Trans. Linn. Soc. London 18: 537. t. 38. f. 2. 1841.

An annual herb.

Distrib.: Coimbatore (Fischer 1921).

ORCHIDACEAE

J. JOSEPH & R. ANSARI

Acampe praemorsa (Roxb.) Blatter & McCann in J. Bombay Nat. Hist. Soc. 35: 495. 1932. *Epidendrum praemorsum* Roxb. Pl. Cor. t. 43. 1795. *Saccolabium praemorsum* (Roxb.) Hook. f. Fl. Brit. India 6: 62. 1890. *S. wightianum* (Lindl. ex Wight) Hook. f. Fl. Brit. India 6: 62. 1890. *Vanda wightiana* Lindl. ex Wight, Ic. t. 1670. 1851. *Acampe wightiana* (Lindl. ex Wight) Lindl. Fol. Orchid. 2. 1853; Fischer in Gamble, Fl. Pres. Madras 3: 1011. 1957 (repr. ed.).

A robust epiphyte, on avenue trees, especially at lower altitudes.

Distrib.: Coimbatore, Madurai, Nilgiri, Ramanathapuram.

Acanthephippium bicolor Lindl. in Edward's Bot. Reg. 20: t. 1730. 1835; Hook. f. Fl. Brit. India 5: 815. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 997. 1957 (repr. ed.).

A terrestrial herb in thick evergreen forests; flowers pink, large, gibbous at base, in short lateral spikes.

Distrib.: Madurai, Nilgiri (CAL), Salem.

Aerides crispum Lindl. Gen. Sp. Orchid. Pl. 239. 1833; Hook. f. Fl. Brit. India 6: 45. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1008. 1957 (repr. ed.).

A. lindleyana Wight, Ic. t. 1677. 1851.

A robust epiphyte or lithophyte; flowers pinkish white, fragrant.

Distrib.: Coimbatore, Madurai, Nilgiri.

Aerides maculosum Lindl. in Bot. Reg. 1: t. 58. 1845 & in Gard. Chron. 691. 1845; Hook. f. Fl. Brit. India 6: 45. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1008. 1957 (repr. ed.). *Saccolabium speciosum* Wight, Ic. tt. 1674 & 1675. 1851.

An epiphyte in deciduous forests.

Distrib.: Coimbatore. R.

Aerides ringens (Lindl.) Fischer in Kew Bull. 1928: 284. 1928 & in Gamble, Fl. Pres. Madras 3: 1008. 1957 (repr. ed.). *Saccolabium ringens* Lindl. Gen. Sp. Orchid. Pl. 221. 1833. *Aerides radicosum* A. Rich. in Ann. Sci. Nat. Bot. ser. 2. 15: 65. 1841; Hook. f. Fl. Brit. India 6: 47. 1890. *Saccolabium rubrum* Wight, Ic. t. 1673. 1851.

An epiphyte; flowers pink or mauve, in dense lateral racemes.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem (Seidenfaden 1983), Tirunelveli.

Anoectochilus elatus Lindl. in J. Proc. Linn. Soc., Bot. 1: 178. 1857; Hook. f. Fl. Brit. India 6: 95. 1890, "*elatior*"; Fischer in Gamble, Fl. Pres. Madras 3: 1016. 1957 (repr. ed.).

A terrestrial herb; leaves dark green, golden nerved.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem (Seidenfaden 1983), Tirunelveli. R.

Anoectochilus rotundifolius (Blatter) Balakr. in J. Bombay Nat. Hist. Soc. 63: 530. 1960. *Odontochilus rotundifolius* Blatter in J. Bombay Nat. Hist. Soc. 32: 521. 1928; Fischer in Gamble, Fl. Pres. Madras 3: 1016. 1957 (repr. ed.).

A terrestrial herb in evergreen forests; leaves few, orbicular; flower solitary, terminal.

Distrib.: Madurai (Blatter 1928). O.R.

Aphyllorchis montana Reichb. f. in Linnaea 41: 57. 1876; Hook. f. Fl. Brit. India 6: 116. 1890; King & Pantl. in Ann. Roy. Bot. Gard. (Calcutta) 8: t. 349. 1898; Fischer in Gamble, Fl. Pres. Madras 3: 1019. 1957 (repr. ed.). *A. prainii* Hook. f. Fl. Brit. India 6: 117. 1890 & in Hooker's Icon. Pl. t. 2192. 1894; Joseph, Orchids Nilgiris 15. 1982.

A slender leafless saprophyte; flowers straw-coloured.

Distrib.: Coimbatore (Fischer 1957), Kanniyakumari, Nilgiri, Ramanathapuram, Tirunelveli. R.

Arundina graminifolia (D. Don) Hochr. in Bull. New York Bot. Gard. 6: 270. 1910; Fischer in Gamble, Fl. Pres. Madras 3: 1002. 1957 (repr. ed.). *Bletia graminifolia* D. Don, Prodr. Fl. Nep. 29. 1825. *Arundina bambusifolia* Lindl. ex Wight, Ic. t. 1661. 1851; Hook. f. Fl. Brit. India 5: 857. 1890.

A herb; leaves grass-like; flowers large, red.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Tirunelveli.

Brachycorythis iantha (Wight) Summerh. in Kew Bull. 10: 238. 1955. *Platanthera iantha* Wight, Ic. t. 1692. 1851. *Habenaria galeandra* Benth. var. *nilgirica* Hook. f. Fl. Brit. India 6: 164. 1890. *H. iantha* (Wight) Hook. f. Fl. Brit. India 6: 164. 1890 p.p. quoad basionym tantum. *Phyllomphax obcordata* Schltr. in Repert. Spec. Nov. Regni Veg. Beih. 4: 119. 1919; Fischer in Gamble, Fl. Pres. Madras 3: 1031. 1957 (repr. ed.).

A herb; the common "purple orchid" of grasslands.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli. O.

Brachycorythis splendida Summerh. in Kew Bull. 1955: 240. 1955. *Habenaria iantha* Hock. f. Fl. Brit. India 6: 164. 1890 p.p. descr. tantum partim excl. basionym. *Phyllomphax obcordata* Schltr. var. *iantha* Fischer in Gamble, Fl. Pres. Madras 1476. 1928 & 3: 1031. 1957 (repr. ed.).

A terrestrial herb, in open grasslands.

Distrib.: Coimbatore, Kanniyakumari, Madurai. O.

Bulbophyllum acutiflorum A. Rich. in Ann. Sci. Nat. Bot. ser. 2. 15: 18. 1841. *Cirrhopetalum acutiflorum* (A. Rich.) Hock. f. Fl. Brit. India 5: 779. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 993. 1957 (repr. ed.).

A pseudobulbous epiphyte; flowers greenish-white.

Distrib.: Nilgiri (Hook. f. 1890). O. +.

Bulbophyllum albidum (Wight) Hook. f. Fl. Brit. India 5: 757. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 992. 1957 (repr. ed.). *Cirrhopetalum albidum* Wight, Ic. t. 1653. 1851.

The pseudobulbs turn golden yellow on drying.

Distrib.: Nilgiri (Hook. f. 1890), Tirunelveli. O. +.

Bulbophyllum aureum (Hook. f.) J.J. Smith in Bull. Jard. Bot. Buitenzorg ser. 2. 8: 22. 1912. *Cirrhopetalum aureum* Hook. f. Fl. Brit. India 5: 777. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 993. 1957 (repr. ed.).

An epiphyte; flowers golden yellow.

Distrib.: Kanniyakumari.

Bulbophyllum elegantulum (Rolfe) J.J. Smith in Bull. Jard. Bot. Buitenzorg

ser. 2. 8: 23. 1912. *Cirrhopetalum elegantulum* Rolfe in Gard. Chron. 1: 552. 1891; Fischer in Gamble, Fl. Pres. Madras 3: 993. 1957 (repr. ed.).

A small herb attached to rocks.

Distrib.: Nilgiri. O. R.

Bulbophyllum fischeri Seidenfaden in Dansk Bot. Ark. 29: 202. 1973. *Cirrhopetalum macraei* sensu Wight, Ic. t. 1652. 1851, non Lindl. 1820. *C. wightii* Thw. Enum. Pl. Zeyl. 229. 1861, non *Bulbophyllum wightii* Reichb. f. 1861. *Cirrhopetalum gamblei* Hock. f. Fl. Brit. India 5: 778. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 993. 1957 (repr. ed.). *Bulbophyllum gamblei* (Hook. f.) J.J. Smith in Bull. Jard. Bot. Buitenzorg ser. 2. 8: 24. 1912, non Hook. f. 1890.

A herb, in river sholas, attached to rocks or tree trunks.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri (Fischer 1957), Salem.

Bulbophyllum fuscopurpureum Wight, Ic. t. 1651. 1851; Hook. f. Fl. Brit. India 5: 760. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 992. 1957 (repr. ed.).

An epiphyte; rhizome stout.

Distrib.: Coimbatore, Nilgiri. O. R.

Bulbophyllum kaitiense Reichb. f. in Walp. Ann. 6: 262. 1861. *Cirrhopetalum neilgherrense* Wight, Ic. t. 1654. 1851; Hook. f. Fl. Brit. India 5: 778. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 993. 1957 (repr. ed.), non *Bulbophyllum neilgherrense* Wight 1851.

An epiphyte; flowers pale greenish-yellow turning to reddish or rusty coloured when old.

Distrib.: Coimbatore (Fischer 1957), Nilgiri (CAL), Salem (Seidenfaden 1983). O. R.

Bulbophyllum neilgherrense Wight, Ic. t. 1650. 1851; Hook. f. Fl. Brit. India 5: 761. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 992. 1957 (repr. ed.).

An epiphyte or lithophyte; flowers brownish-yellow or greenish-purple with unpleasant odour.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem (Seidenfaden 1983).

Bulbophyllum nodosum (Rolfe) J.J. Smith in Bull. Jard. Bot. Buitenzorg ser. 2. 8: 23. 1912. *Cirrhopetalum nodosum* Rolfe in Kew Bull. 1895: 35. 1895; Fischer in Gamble, Fl. Pres. Madras 3: 993. 1957 (repr. ed.).

An epiphyte; flowers reddish-brown.

Distrib.: Nilgiri (Fischer 1957). O.+.

Bulbophyllum proudlockii (King & Pantl.) J.J. Smith in Bull. Jard. Bot. Buitenzorg ser. 2. 8: 27. 1912. *Cirrhopetalum proudlockii* King & Pantl. in J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 66: 588. 1897; Fischer in Gamble, Fl. Pres. Madras 3: 993. 1957 (repr. ed.).

A small herb, pseudobulbs aggregated, on rocks or on trees.

Distrib.: Nilgiri. O.+.

Bulbophyllum tremulum Wight, Ic. t. 1749. 1851; Hook. f. Fl. Brit. India 5: 763. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 992. 1957 (repr. ed.).

A creeping herb attached to rocks.

Distrib.: Coimbatore, Nilgiri (Fischer 1957), Tirunelveli. O.

Calanthe masuca (D. Don) Lindl. Gen. Sp. Orchid. Pl. 249. 1833; Hook. f. Fl. Brit. India 5: 850. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1001. 1957 (repr. ed.). *Bletia masuca* D. Don, Prodr. Fl. Nep. 30. 1825. *Calanthe emarginata* Wight, Ic. t. 918. 1844 1845.

An elegant herb, in evergreen forests; flowers mauve turning to rusty colour when old.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri (PCM), Ramanathapuram, Tirunelveli.

Calanthe triplicata (Willem.) Ames in Philipp. J. Sci. 2: 326. 1907. *Orchis triplicata* Willem. in Ann. Bot. (Usteri) 6: 52. 1796. *Calanthe veratrifolia* (Willd.) Ker-Gawl. in Bot. Reg. 9: t. 720. 1823; Hook. f. Fl. Brit. India 5: 851. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1001. 1957 (repr. ed.). *Limodorum veratrifolium* Willd. Sp. Pl. 4: 122. 1805. *Calanthe perrottetii* A. Rich. in Ann. Sci. Nat. Bot. ser. 2. 15: 68. 1841; Wight, Ic. tt. 1664 & 1665. 1851.

A shade loving herb, in humus-rich moist soil.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem (Seidenfaden 1983).

Calanthe vestita Lindl. Gen. Sp. Orchid. Pl. 250. 1833; Hook. Fl. Brit. India 5: 852. 1890; Abraham & Vatsala, Intr. Orch. 265. 1981.

An elegant terrestrial herb; flowers white with a dark yellow patch at the base of lip.

Distrib.: Madurai (Abraham & Vatsala 1981).

Cheirostylis flabellata Wight, Ic. 5(1): 16. t. 1727. 1851 (cited as *Monochilus flabellatum*); Hook. f. Fl. Brit. India 6: 105. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1017. 1957 (repr. ed.).

A herb with creeping rhizome, in humus along roadsides.

Distrib.: Coimbatore, Madurai, Nilgiri. R.

Cheirostylis parvifolia Lindl. in Bot. Reg. Misc. 20. 1839; Hook. f. Fl. Brit.

India 6: 105. 1890; Fischer in Kew Bull. 1938: 126. 1938.

A herb; flowers small, white.

Distrib.: Tirunelveli. **R.**

Chiloschista pusilla (Willd.) Schltr. in Repert. Spec. Nov. Regni Veg. Beih. 4: 275. 1919; Fischer in Gamble, Fl. Pres. Madras 3: 1007. 1957 (repr. ed.). *Limodorum pusillum* Willd. Sp. Pl. 4: 126. 1805. *Chiloschista usneoides* auct. non Lindl. 1832; Wight, Ic. t. 1741 (excl. the left hand fig.) 1851. *Sarcochilus wightii* Hook. f. Fl. Brit. India 6: 37. 1890.

A small epiphyte, aerial roots prominent.

Distrib.: Kanniyakumari, Nilgiri (Joseph 1982). +.

Chrysoglossum hallbergii Blatter in J. Bombay Nat. Hist. Soc. 32: 519. 1928; Fischer in Gamble, Fl. Pres. Madras 3: 994. 1957 (repr. ed.).

Single-leaved epiphyte; racemes lateral, flowers lax.

Distrib.: Madurai (Blatter 1928). **O.R.**

Chrysoglossum maculatum (Thw.) Hook. f. Fl. Brit. India 5: 784. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 994. 1957 (repr. ed.). *Ania maculata* Thw. Enum. Pl. Zeyl. 301. 1861.

A terrestrial herb, in evergreen forests.

Distrib.: Madurai, Salem (Seidenfaden 1983), Tirunelveli.

Coelogyne breviscapa Lindl. Fol. Orchid. 4. 1854; Hook. f. Fl. Brit. India 5: 833. 1890 p.p.; Fischer in Gamble, Fl. Pres. Madras 3: 1000. 1957 (repr. ed.).

An epiphyte, flowers white, fragrant.

Distrib.: Nilgiri, Salem (Seidenfaden 1983).

Coelogyne glandulosa Lindl. Fol. Orchid. 6. 1854, var. *glandulosa*; Hook. f.

Fl. Brit. India 5: 835. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1000. 1957 (repr. ed.). *C. nervosa* sensu Wight, Ic. t. 1638. 1851, non A. Rich. 1841.

A herb usually overhanging on rocks; flowers large, white.

Distrib.: Coimbatore, Madurai, Nilgiri (Lindl. 1854).

Coelogyne glandulosa Lindl. var. *bournei* Das & Jain in Bull. Bot. Surv. India 18: 244. 1976 (1979). *C. glandulosa* sensu Fyson, Fl. Nilgiri & Pulney Hill-tops 1: 390. 1915 p.p., non Lindl. 1854.

This variety is characterised by four keels of the labellum.

Distrib.: Madurai. **O.**

Coelogyne glandulosa Lindl. var. *sathanarayananae* Das & Jain in Bull. Bot. Surv. India 18: 242. 1976 (1979). *C. mossiae* Rolfe in Kew Bull. 1894: 156. 189 p.p. & in Gard. Chron. 400. f. 49. 1894; Fyson, Fl. Nilgiri & Pulney Hill-tops 1: 391. 1915 p.p.

The entire lip with two eglandular keels is quite diagnostic.

Distrib.: Madurai (BLAT). **O.**

Coelogyne mossiae Rolfe in Kew Bull. 1894: 156. 1894 p.p., emend. Das & Jain in Orchid Rev. 86: 199. 1978; Fischer in Gamble, Fl. Pres. Madras 3: 999. 1957 (repr. ed.).

An epiphyte or lithophyte; flowers large, white, fragrant.

Distrib.: Madurai, Nilgiri (Fischer 1957). **O.**

Coelogyne nervosa A. Rich. in Ann. Sci. Nat. Bot. ser. 2. 15: 16. 1841; Fischer in Gamble, Fl. Pres. Madras 3: 1000. 1957 (repr. ed.). *C. corrugata* Wight, Ic. t. 1639. 1851; Hook. f. Fl. Brit. India 5: 835. 1890.

An epiphyte in sholas.

Distrib.: Coimbatore, Kanniyakumari, Madurai (Fyson 1915), Nilgiri, Tirunelveli (Fischer 1957). O.

Coelogyne odoratissima Lindl. Gen. Sp. Orchid. Pl. 41. 1830; Wight, Ic. t. 1640. 1851; Hook. f. Fl. Brit. India 5: 834. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1000. 1957 (repr. ed.) incl. var. *augustifolia* Lindl.

An aggregate epiphyte with few sweet-scented flowers.

Distrib.: Nilgiri.

Coelogyne ovalis Lindl. in Edward's Bot. Reg. 24: 91. Misc. 191. 1838; Hook. f. Fl. Brit. India 5: 836. 1890; Abraham & Vatsala, Intr. Orch. 282. 1981.

An epiphyte, pseudobulbs elongated-cylindric, flowers pale brown.

Distrib.: Nilgiri (Abraham & Vatsala 1981). R.

Coelogyne prolifera Lindl. Gen. Sp. Orchid. Pl. 40. 1830 p.p.; Hook. f. Fl. Brit. India 5: 838. 1890; Abraham & Vatsala, Intr. Orch. 282. 1981.

An epiphyte, raceme terminal, erect and slender; flowers few, greenish or brownish yellow.

Distrib.: Coimbatore (Abraham & Vatsala 1981). R.

Coelogyne uniflora Lindl. Gen. Sp. Orchid. Pl. 42. 1830; Hook. f. Fl. Brit. India 5: 842. 1890; King & Pantl. in Ann. Roy. Bot. Gard. (Calcutta) 8: t. 192. 1898; Fischer in Gamble, Fl. Pres. Madras 3: 1000. 1957 (repr. ed.).

An epiphyte, pseudobulbs in clusters, flowers 1-2 in small lateral spikes.

Distrib.: Coimbatore, Nilgiri (Fischer 1957). R.

Corymborkis veratrifolia (Reinw.) Blume, Coll. Orchid. 125. tt. 42 & 43.

1859; Fischer in Gamble, Fl. Pres. Madras 3: 1015. 1957 (repr. ed.). *Hysteria veratrifolia* Reinw. Nov. Pl. Ind. Gen.-Syll. Pl. Nov. 2: 5 1825-1826. *Corymbis veratrifolia* (Reinw.) Reichb. f. in Flora 48: 184. 1865; Hook. f. Fl. Brit. India 6: 91. 1890.

A tall rigid herb; leaves large; panicles axillary, spreading.

Distrib.: Nilgiri (Fischer 1957), Tirunelveli. +.

Cottonia peduncularis (Lindl.) Reichb. f. in Cat. Orchid. Schiller 52. 1857. *Vanda peduncularis* Lindl. Gen. Sp. Orchid. Pl. 216. 1833. *Cottonia macrostachya* Wight, Ic. t. 1755. 1851; Hook. f. Fl. Brit. India 6: 26. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1006. 1957 (repr. ed.).

An epiphyte characterised by a very long peduncle branched at tip; in wet deciduous forests.

Distrib.: Coimbatore (Fischer 1957), Nilgiri. R.

Cymbidium aloifolium (L.) Sw. in Nova Acta Regiae Soc. Sci. Upsal. 6: 73. 1799; Wight, Ic. tt. 1687 & 1688. 1851; Hook. f. Fl. Brit. India 6: 10. 1890 p.p.; Fischer in Gamble, Fl. Pres. Madras 3: 1004. 1957 (repr. ed.). *Epidendrum aloifolium* L. Sp. Pl. 1350. 1753. *Cymbidium bicolor* Hook. f. Fl. Brit. India 6: 11. 1890.

A common epiphyte of all altitudes.

Distrib.: All districts.

Dendrobium anamalayanum Chandrasekaran & N.C. Nair in J. Bombay Nat. Hist. Soc. 78: 575. 1981; Seidenfaden in Matthew, Fl. Tamilnadu Carnatic 3: 1588. 1983.

An epiphyte, in evergreen forests and sholas; flowers white.

Distrib.: Coimbatore, Salem (Seidenfaden 1983). O.

Dendrobium aqueum Lindl. in Edward's Bot. Reg. 29: t. 54 & Misc. 6. 1843; Hook. f. Fl. Brit. India 5: 739. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 991. 1957 (repr. ed.). *D. album* Wight, Ic. t. 1645. 1851.

A pendulous epiphyte; flowers large, greenish white.

Distrib.: Coimbatore, Salem, Tiruchchirappalli. **O. R.**

Dendrobium barbatulum Lindl. Gen. Sp. Orchid. Pl. 84. 1830; Hook. f. Fl. Brit. India 5: 719. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 990. 1957 (repr. ed.).

An epiphyte; flowers yellow, on lateral racemes; leafless at the time of flowering.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri. **O.**

Dendrobium haemoglossum Thw. Enum. Pl. Zeyl. 429. 1864; Hook. f. Fl. Brit. India 5: 727. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 990. 1957 (repr. ed.).

A pendulous epiphyte.

Distrib.: Ramanathapuram.

Dendrobium herbaceum Lindl. in Edward's Bot. Reg. 26: 69 & Misc. 153. 1840; Hook. f. Fl. Brit. India 5: 719. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 990. 1957 (repr. ed.). *D. ramosissimum* Wight, Ic. t. 1648. 1851.

An epiphyte hanging on branches of trees.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Salem. **O.**

Dendrobium heterocarpum Wall. ex Lindl. Gen. Sp. Orchid. Pl. 78. 1830; Hook. f. Fl. Brit. India 5: 737. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 991. 1957 (repr. ed.). *D. aureum* Lindl. Gen. Sp. Orchid. Pl. 77. 1830; Wight, Ic. t. 1646. 1851.

A pendulous epiphyte; flowers creamy white, fragrant.

Distrib.: Coimbatore, Kanniyakumari, Salem (Seidenfaden 1983).

Dendrobium heyneanum Lindl. Gen. Sp. Orchid. Pl. 90. 1830; Wight, Ic. t. 909. 1843-1845; Hook. f. Fl. Brit. India 5: 718. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 990. 1957 (repr. ed.).

An erect epiphyte.

Distrib.: Coimbatore (CAL), Nilgiri (Fischer 1957), Tirunelveli. **O. R.**

Dendrobium macrostachyum Lindl. Gen. Sp. Orchid. Pl. 78. 1830; Wight, Ic. t. 1649. 1851; Hook. f. Fl. Brit. India 5: 735. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 990. 1957 (repr. ed.).

A drooping epiphyte.

Distrib.: Madurai, Nilgiri, Ramanathapuram, Tirunelveli.

Dendrobium microbulbon A. Rich. in Ann. Sci. Nat. Bot. ser. 2. 15: 19. t. 8. 1841; Hook. f. Fl. Brit. India 5: 716. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 990. 1957 (repr. ed.).

An epiphyte; pseudobulbs small, crowded, among mosses.

Distrib.: Coimbatore (Sant. & Kapadia 1966), Nilgiri, Salem (Seidenfaden 1983), Tirunelveli. **O.**

Dendrobium nanum Hook. f. in Hooker's Icon. Pl. t. 1853. 1889 & Fl. Brit. India 5: 717. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 990. 1957 (repr. ed.).

A tiny epiphyte.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem, Tirunelveli. **O.**

Dendrobium nutans Lindl. Gen. Sp. Orchid. Pl. 90. 1830; Hook. f. Fl. Brit. India 5: 734. 1890; Fischer in Gamble,

Fl. Pres. Madras 3: 990. 1957 (repr. ed.).
D. jerdonianum Wight, Ic. t. 1644. 1851.

A common epiphyte in sholas; flowers orange-red.

Distrib.: Coimbatore, Kanniyakumari, Madurai (Blatter 1928), Nilgiri, Tirunelveli.

Dendrobium wightii A. Hawkes & A.H. Heller in *Orquidea* 24 : 16. 1962.
D. graminifolium Wight, Ic. t. 1649. 1851, non Willd. 1805; Hook. f. Fl. Brit. India 5: 718. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 990. 1957 (repr. ed.).

A slender herb in tufts on rocks or tree branches; leaves small, grass-like.

Distrib.: Coimbatore (Fischer 1957), Kanniyakumari, Nilgiri (Fischer 1957), Salem, Tirunelveli. **O.**

Didymoplexis pallens Griff. in *Calcutta J. Nat. Hist.* 4 : 383. t. 17. 1844; Hook. f. Fl. Brit. India 6 : 122. 1890; Fischer in Gamble, Fl. Pres. Madras 3 : 1021. 1957 (repr. ed.).

A small leafless saprophyte in dense forests.

Distrib.: Tirunelveli. **R.**

Diplozentrum recurvum Lindl. in *Edward's Bot. Reg.* 18 : sub t. 1522. 1832; Hook. f. Fl. Brit. India 6 : 78. 1890; Fischer in Gamble, Fl. Pres. Madras 3 : 1013. 1957 (repr. ed.).

An epiphyte; leaves narrow, decurved; flowers small, scented.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem, Tirunelveli (Fischer 1957), Tiruchchirappalli.

Disperis nellgherrensis Wight, Ic. t. 1719. 1851; Hook. f. Fl. Brit. India 6 : 169. 1890; Fischer in Gamble, Fl. Pres. Madras 3 : 1032. 1957 (repr. ed.). *D.*

zeylanica Trimen in *J. Bot.* 23 : 245. 1885; Hook. f. Fl. Brit. India 6 : 169. 1890. *D. monophylla* Blatter ex Fischer in Gamble, Fl. Pres. Madras 1478. 1928 & 3 : 1033. 1957 (repr. ed.).

A herb in moist loose soil under shade; flowers pink.

Distrib.: Coimbatore, Kanniyakumari, Madurai (PCM), Nilgiri, Salem, Tirunelveli.

Epidendrum radicans Pav. ex Lindl. *Gen. Sp. Orchid. Pl.* 104. 1831.

A herb, cultivated for its attractive red flowers; flowering almost throughout the year.

Epipactis veratrifolia Boiss. *Diagn. Pl. Orient. ser. 1.* 11. 1842. *E. consimilis* Wall. ex Hook. f. Fl. Brit. India 6: 126. 1890, non D. Don 1825; Fischer in Gamble, Fl. Pres. Madras 3: 1021. 1957 (repr. ed.).

A large erect herb, in sholas.

Distrib.: Nilgiri. **R.**

Epipogium roseum (D. Don) Lindl. in *J. Proc. Linn. Soc., Bot.* 1: 177. 1857. *Limodorum roseum* D. Don, *Prodr. Fl. Nep.* 30. 1825. *Podanthera pallida* Wight, Ic. t. 1759. 1851. *Epipogium nutans* Reichb. f. in *Bonplandia* 5: 36. 1857; Hook. f. Fl. Brit. India 6: 124. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1021. 1957 (repr. ed.).

An aphyllous succulent saprophyte, in dense forests.

Distrib.: Coimbatore, Madurai (Fischer 1957), Nilgiri. **R.**

Eria albiflora Rolfe in *Kew Bull.* 1893: 170. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 996. 1957 (repr. ed.).

An epiphyte; pseudobulbs small, globular, aggregate.

Distrib.: Nilgiri. **O. R.**

Eria dalzellii (Hook. ex Dalz.) Lindl. in J. Proc. Linn. Soc., Bot. 3: 47. 1858; Hook. f. Fl. Brit. India 5: 789. 1890 p.p.; Fischer in Gamble, Fl. Pres. Madras 3: 996. 1957 (repr. ed.). *Dendrobium dalzellii* Hook. ex Dalz. in Hooker's J. Bot. Kew Gard. Misc. 4: 292. 1852. *Eria dalzellii* (Hook. ex Dalz.) Lindl. var. *fimbriata* Hook. f. Fl. Brit. India 5: 789. 1890.

A small herb; pseudobulbs discoid, appressed on horizontal branches of trees.

Distrib.: Nilgiri. O.

Eria microchilos (Dalz.) Lindl. in J. Proc. Linn. Soc., Bot. 3: 47. 1858; Sant. & Kapadia, Orchids Bombay 154. 1966. *Dendrobium microchilos* Dalz. in Hooker's J. Bot. Kew Gard. Misc. 3: 345. 1851.

Distrib.: "Madras State" (Sant. & Kapadia 1966).

Eria mysorensis Lindl. in J. Proc. Linn. Soc., Bot. 3: 54. 1858; Hook. f. Fl. Brit. India 5: 793. 1890. *E. pubescens* Wight, Ic. t. 1634. 1851, non (Hook.) Steud. 1840; Hook. f. Fl. Brit. India 5: 793. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 996. 1957 (repr. ed.).

An epiphyte; racemes more or less drooping; flowers dense, white.

Distrib.: Coimbatore, Nilgiri. O.

Eria nana A. Rich. in Ann. Sci. Nat. Bot. ser. 2. 15: 19. 1841; Hook. f. Fl. Brit. India 5: 789. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 996. 1957 (repr. ed.), *Dendrobium filiforme* Wight, Ic. t. 1642 (lower right hand fig.). 1851.

A minute herb, densely crowded on horizontal branches of trees.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem (Seidenfaden 1983). O. R.

Eria pauciflora Wight, Ic. t. 1636. 1851; Hook. f. Fl. Brit. India 5: 799. 1890;

Fischer in Gamble, Fl. Pres. Madras 3: 996. 1957 (repr. ed.).

A lithophyte; pseudobulbs small, fusiform.

Distrib.: Coimbatore, Kanniyakumari, Madurai (Blatter 1928), Nilgiri, Salem. O.

Eria polystachya A. Rich. in Ann. Sci. Nat. Bot. ser. 2. 15: 20. t. 9. 1841; Wight, Ic. t. 1635 (cited as *E. pubescens*). 1851; Hook. f. Fl. Brit. India 5: 792. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 996. 1957 (repr. ed.).

An epiphyte; flowers small, creamy white in axillary inflorescence.

Distrib.: Kanniyakumari, Nilgiri, Salem (Seidenfaden 1983). O.

Eria pseudoclavicaulis Blatter in J. Bombay Nat. Hist. Soc. 32: 519. 1928; Fischer in Gamble, Fl. Pres. Madras 3: 997. 1957 (repr. ed.).

An epiphyte; flowers pinkish white, faintly fragrant.

Distrib.: Madurai (Blatter 1928). O.R.

Eria reticosa Wight, Ic. t. 1637. 1851; Hook. f. Fl. Brit. India 5: 787. 1890. *E. bracteata* Dalz. & Gibs. Bombay Fl. 262. 1861, non Lindl. 1859; Fischer in Gamble, Fl. Pres. Madras 3: 996. 1957 (repr. ed.).

A tiny herb; pseudobulbs discoid, appressed; on wet tree trunks in semi-evergreen forests.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem (Seidenfaden 1983).

Eulophia cullenii (Wight) Blume, Coll. Orchid. 182. 1859; Fischer in Gamble, Fl. Pres. Madras 1435. 1928 & 3: 1003. 1957 (repr.ed.). *Cyrtopera cullenii* Wight, Ic. t. 1754. 1851.

Distrib.: Coimbatore and Madurai (Fischer 1957). R.

Eulophia epidendraea (Koen.) Schltr. Orchideen 346. 1915; Fischer in Gamble, Fl. Pres. Madras 3: 1003. 1957 (repr. ed.). *Serapias epidendraea* Koen. in Retz. Obs. Bot. 6: 65. 1791. *Eulophia virens* (Roxb.) R.Br. ex Lindl. in Bot. Reg. 7: sub t. 573. 1821; Wight, Ic. t. 913. 1844-1845; Hook. f. Fl. Brit. India 6: 1. 1890. *Limodorum virens* Roxb. Pl. Cor. t. 38. 1795.

A terrestrial pseudobulbous herb; spikes long, slender, few-flowered.

Distrib.: Chengalpattu, Coimbatore, Nilgiri, Pudukkottai (RHT), Ramanathapuram, South Archt, Tiruchchirappalli (RHT), Tirunelveli.

Eulophia graminea Lindl. Gen. Sp. Orchid. Pl. 182. 1833; Hook. f. Fl. Brit. India 6: 2. 1890; King & Pantl. in Ann. Roy. Bot. Gard. (Calcutta) 8: t. 238. 1898; Fischer in Gamble, Fl. Pres. Madras 3: 1003. 1957 (repr. ed.).

A terrestrial herb, leaves grass-like, inflorescence branched.

Distrib.: Coimbatore, Salem (Seidenfaden 1983), Tirunelveli (Abraham & Vatsala 1981).

Eulophia nuda Lindl. Gen. Sp. Orchid. Pl. 180. 1833; Hook. f. Fl. Brit. India 6: 5. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1003. 1957 (repr. ed.). *Cyrtopera fusca* Wight, Ic. t. 1690. 1851.

A terrestrial herb with creeping underground tubers.

Distrib.: Madurai, Nilgiri. +.

Eulophia pulchra (Thouars) Lindl. Gen. Sp. Orchid. Pl. 182. 1833; Seidenfaden in Matthew, Fl. Tamilnadu Carnatic 3: 1607. 1893. *Limodorum pulchrum* Thouars, Orch. Iles. Austr. Afr. Pls. 43 & 44. 1822. *Eulophia macrostachya* Lindl. Gen. Sp. Orchid. Pl. 183. 1833; Wight, Ic. tt. 1667 & 1668. 1851; Hook. f. Fl. Brit. India 6: 4. 1890; Fischer in

Gamble, Fl. Pres. Madras 3: 1003. 1957 (repr. ed.).

A pseudobulbous herb on river banks.

Distrib.: Nilgiri, Salem (Seidenfaden 1983), Tirunelveli (Fischer 1957).

Eulophia ramentacea Lindl. ex Wight, Ic. t. 1666. 1851. *E. pratensis* Lindl. in J. Proc. Linn. Soc. Bot. 3: 25. 1858; Hook. f. Fl. Brit. India 6: 4. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1003. 1957 (repr. ed.).

A small herb among grasses in clayey soil.

Distrib.: Madurai. O. R.

Flickingeria nodosa (Dalz.) Seidenfaden in Dansk Bot. Ark. 34: 41. 1980 & in Matthew, Fl. Tamilnadu Carnatic 3: 1586. 1983. *Dendrobium nodosum* Dalz. in Hooker's J. Bot. Kew Gard. Misc. 4: 292. 1852. *D. macraei* auct. non Lindl. 1830; Hook. f. Fl. Brit. India 5: 714. 1890. *Desmotrichum fimbriatum* auct. non Blume 1825; Fischer in Gamble, Fl. Pres. Madras 3: 987. 1957 (repr. ed.). *Ephemerantha macraei* sensu Joseph, Orchids Nilgiris 88. 1982, non (Lindl.) Hunt & Summerh. 1961.

An epiphyte; stem profusely branched ending in pseudobulbs.

Distrib.: Nilgiri, Salem (Seidenfaden 1983), Tirunelveli. E. O.

Gastrochilus acaulis (Lindl.) Kuntze, Rev. Gen. Pl. 2: 661. 1891; Seidenfaden in Matthew, Fl. Tamilnadu Carnatic 3: 1598. 1983. *Cleisostoma acaulis* Lindl. Gen. Sp. Orchid. Pl. 227. 1833. *Saccolabium acaule* (Lindl.) Hook. f. Fl. Brit. India 6: 61. 1890.

An epiphyte; flowers yellowish-green.

Distrib.: Salem (Seidenfaden 1983). R.

Gastrochilus calceolaris (Buch.-Ham. ex J.E. Smith) D. Don, Prodr. Fl. Nep.

32. 1825. *Aerides calceolare* Buch.-Ham. ex J.E. Smith in Rees, Cyclop. 39: n. 11. 1818. *Saccolabium calceolare* (Buch.-Ham. ex J.E. Smith) Lindl. ex Hook. f. Fl. Brit. India 6: 60. 1890. *S. nilagiricum* Hook. f. Fl. Brit. India 6: 60. 1890. *S. pulchellum* (Wight) Fischer in Gamble, Fl. Pres. Madras 1446. 1928 & 3: 1011. 1957 (repr. ed.). *Vanda pulchella* Wight, Ic. t. 1671. 1851.

A dwarf epiphyte.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem, Tirunelveli.

Geodorum densiflorum (Lam.) Schltr. in Repert. Spec. Nov. Regni Veg. Beih. 4: 259. 1929; Fischer in Gamble, Fl. Pres. Madras 3: 1004. 1957 (repr. ed.). *Limodorum densiflorum* Lam. Encycl. 3: 516. 1791-1792. *Geodorum purpureum* R. Br. in Ait. Hort. Kew. ed. 2. 5: 207. 1813; Hook. f. Fl. Brit. India 6: 16. 1890. *G. dilatatum* R. Br. in Ait. Hort. Kew. ed. 2. 5: 207. 1813; Wight, Ic. t. 912. 1844-1845.

A stout terrestrial herb, characterised by drooping nature of tip of inflorescence when in bud and gradually becoming erect.

Distrib.: Chengalpattu, Coimbatore, Nilgiri, Salem (Seidenfaden 1983).

Goodyera procera (Ker-Gawl.) Hook. Exot. Fl. t. 39. 1823; Wight, Ic. t. 1729. 1851; Hook. f. Fl. Brit. India 6: 111. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1018. 1957 (repr. ed.). *Neottia procera* Ker-Gawl. in Bot. Reg. 8: t. 639. 1822.

A terrestrial herb at higher altitudes.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Habenaria acuminata (Thw.) Thw. in Trimen, Cat. Pl. Ceylon 91. 1885; Hook. f. Fl. Brit. India 6: 133. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1026. 1957

(repr. ed.). *Ate acuminata* Thw. Enum. Pl. Zeyl. 309. 1861.

A small erect herb, common in grasslands.

Distrib.: Coimbatore.

Habenaria barnesii Summerh. in Gamble, Fl. Pres. Madras 1887. 1936 & 3: 1306. 1957 (repr. ed.).

A slender herb, among forest undergrowth.

Distrib.: Nilgiri. **O. R.**

Habenaria cephalotes Lindl. Gen. Sp. Orchid. Pl. 322. 1835; Wight, Ic. t. 1711. 1851; Hook. f. Fl. Brit. India 6: 139. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1027. 1957 (repr. ed.).

A small rigid herb; flowers white, fragrant.

Distrib.: Nilgiri. **O.**

Habenaria crassifolia A. Rich. in Ann. Sci. Nat. Bot. ser. 2. 15: 72. t. 3c. 1841; Hook. f. Fl. Brit. India 6: 151. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1028. 1957 (repr. ed.).

A common herb, on grassy slopes at higher altitudes.

Distrib.: Coimbatore, Madurai, Nilgiri, Ramanathapuram.

Habenaria crinifera Lindl. Gen. Sp. Orchid. Pl. 323. 1835; Wight, Ic. t. 926. 1844-1845; Hook. f. Fl. Brit. India 6: 142. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1028. 1957 (repr. ed.).

The only epiphytic species of this genus, growing on lower portion of tree trunks or on dead trunks.

Distrib.: Coimbatore, Madurai (UCT).

Habenaria decipiens Wight, Ic. 5(1): 14. (excl. t. 927). 1844-1845; Hook. f. Fl. Brit. India 6: 197. 1890; Fischer in

Gamble, Fl. Pres. Madras 3: 1027. 1957 (repr. ed.). *H. montana* auct. non A. Rich. 1841; Wight, Ic. t. 1714 (left hand fig. only). 1851.

A herb on open slopes; flowers white.

Distrib.: Coimbatore, Madurai, Nilgiri (CAL), Salem, Tirunelveli.

Habenaria denticulata Reichb. f. in *Linnaea* 19: 376. 1847; Fischer in Gamble, Fl. Pres. Madras 3: 1027. 1957 (repr. ed.).

A herb.

Distrib.: Nilgiri (Fischer 1957). O.R.

Habenaria digitata Lindl. Gen. Sp. Orchid. Pl. 307. 1835, var. ***digitata***; Hook. f. Fl. Brit. India 6: 134. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1026. 1957 (repr. ed.). *H. trinervia* Wight, Ic. t. 1701. 1851.

A terrestrial herb; flowers green, pungent foul-smelling.

Distrib.: Madurai (PCM), Nilgiri, Salem (Seidenfaden 1983), Tiruchchirappalli, Tirunelveli (Fischer 1957).

Habenaria digitata Lindl. var. ***foliosa*** (A. Rich.) Hock. f. Fl. Brit. India 6: 135. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1026. 1957 (repr. ed.). *H. foliosa* A. Rich. in Ann. Sci. Nat. Bot. ser. 2. 15: 71. 1841; Wight, Ic. t. 1700. 1851.

A small herb in open grasslands; flowers dirty white.

Distrib.: Coimbatore, Nilgiri.

Habenaria digitata Lindl. var. ***travancorica*** (Hock. f.) Fischer in Gamble, Fl. Pres. Madras 1469. 1928 & 3: 1026. 1957 (repr. ed.). *H. travancorica* Hook. f. Fl. Brit. India 6: 135. 1890. *H. lindleyana* Wight, Ic. t. 922. 1844-1845, non Steud. 1840.

A small terrestrial herb, in open grasslands.

Distrib.: Coimbatore, Madurai. O.

Habenaria elliptica Wight, Ic. t. 1706. 1851; Hook. f. Fl. Brit. India 6: 147. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1028. 1957 (repr. ed.).

A herb on slopes near sholas; flowers small, greenish white.

Distrib.: Madurai, Nilgiri, Tirunelveli. O.

Habenaria elwesii Hock. f. in Bot. Mag. t. 7478. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1026. 1957 (repr. ed.).

A slender, erect herb; flowers white.

Distrib.: Nilgiri. O.+.

Habenaria furcifera Lindl. Gen. Sp. Orchid. Pl. 319. 1835; Hook. f. Fl. Brit. India 6: 149. 1890; King & Pantl. in Ann. Roy. Bot. Gard. (Calcutta) 8: 313. t. 410. 1898.

A terrestrial herb; leaves large, radical.

Distrib.: Coimbatore, Nilgiri. R.

Habenaria grandifloriformis Blatter & McCann in J. Bombay Nat. Hist. Soc. 36: 17. 1932, emend. Sant. & Kapadia in J. Bombay Nat. Hist. Soc. 56: 195. 1959; Seidenfaden in Matthew, Fl. Tamilnadu Carnatic 3: 1561. 1983. *H. grandiflora* Lindl. ex Hook. f. Fl. Brit. India 6: 136. 1890, non Torr. ex Beck. 1823; Fischer in Gamble, Fl. Pres. Madras 3: 1027. 1957 (repr. ed.).

A herb among short grasses; leaf single, suborbicular, lying flat on ground.

Distrib.: Salem (Fischer 1957). R.

Habenaria heyneana Lindl. Gen. Sp. Orchid. Pl. 320. 1835; Wight, Ic. t. 923. 1844-1845; Hock. f. Fl. Brit. India 6: 148. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1028. 1957 (repr. ed.).

A herb, in abundance on rocky plateau; flowers white.

Distrib.: Coimbatore, Nilgiri, Salem. O.

Habenaria hollandiana Sant. Fl. Purandhar 126. 1958. *H. affinis* Wight, Ic. t. 1707. 1851, non D. Don 1825; Hook. f. Fl. Brit. India 6: 149. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1028. 1957 (repr. ed.).

A herb; leaves radical, flowers small, green.

Distrib.: Coimbatore, Nilgiri (Fischer 1957). O. R.

Habenaria longicorniculata Graham, Cat. Pl. Bombay 202. 1839. *H. longicalcarata* A. Rich. in Ann. Sci. Nat. Bot. ser. 2. 15: 71. t. 3. 1841; Wight, Ic. t. 925. 1844-1845; Hook. f. Fl. Brit. India 6: 141. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1027. 1957 (repr. ed.).

A tall herb in grasslands; flowers white, pleasant smelling.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem (Seidenfaden 1983).

Habenaria longicornu Lindl. Gen. Sp. Orchid. Pl. 322. 1835; Hook. f. Fl. Brit. India 6: 139. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1027. 1957 (repr. ed.). *H. montana* A. Rich. in Ann. Sci. Nat. Bot. ser. 2. 15: 73. 1841; Wight, Ic. t. 927. f. 1. 1844-1845 & t. 1714 (centre fig. and lower right hand flower) 1851.

A terrestrial herb; flowers white.

Distrib.: Coimbatore, Madurai, Nilgiri, Ramanathapuram, Salem (Fischer 1957), Tirunelveli. O.

Habenaria macrostachya Lindl. Gen. Sp. Orchid. Pl. 307. 1835; Hook. f. Fl. Brit. India 6: 134. 1890.

A robust herb; leaves large, crowded above middle.

Distrib.: Coimbatore (Hook. f. 1890).

Habenaria marginata Coleb. in Hook. Exot. Fl. t. 136. 1825; Hook. f. Fl. Brit. India 6: 150. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1028. 1957 (repr. ed.).

A herb among short grasses in moist soil.

Distrib.: Coimbatore. R.

Habenaria multicaudata Sedgw. in Rec. Bot. Surv. India 6: 352. 1919; Fischer in Gamble, Fl. Pres. Madras 3: 1026. 1957 (repr. ed.).

A herb; greenish yellow flower gives the appearance of a spider due to its long and slender segments.

Distrib.: Coimbatore (CAL), Nilgiri (Fischer 1957), Salem (Seidenfaden 1983). O. R.

Habenaria ovalifolia Wight, Ic. t. 1708. 1851; Hook. f. Fl. Brit. India 6: 149. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1028. 1957 (repr. ed.).

A small herb, in dense undergrowth of forests.

Distrib.: Coimbatore (FRC), Nilgiri (Hook. f. 1890), Salem (Seidenfaden 1983), Tiruchchirappalli (RHT).

Habenaria perrottetiana A. Rich. in Ann. Sci. Nat. Bot. ser. 2. 15: 74. t. 4 B. 1841; Hook. f. Fl. Brit. India 6: 164. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1028. 1957 (repr. ed.). *Platanthera lutea* Wight, Ic. t. 919. 1844-1845.

An elegant herb among grasses.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri. O.

Habenaria plantaginea Lindl. Gen. Sp. Orchid. Pl. 323. 1835; Wight, Ic. t. 1710. 1851; Hook. f. Fl. Brit. India 6: 141.

1890; Fischer in Gamble, Fl. Pres. Madras 3: 1027. 1957 (repr. ed.).

A slender herb among grasses on rocky hill slopes at lower altitudes.

Distrib.: Most of the districts.

Habenaria polyodon Hook. f. Fl. Brit. India 6: 139. 1890. *H. fimbriata* Wight, Ic. t. 1712. 1851, non R. Br. 1813; Fischer in Gamble, Fl. Pres. Madras 3: 1027. 1957 (repr. ed.).

A small rigid herb; flowers white.

Distrib.: Nilgiri (Fischer 1957). O.

Habenaria rariflora A. Rich in Ann. Sci. Nat. Bot. ser. 2. 15: 70. t. 2 D. 1841; Wight, Ic. t. 924. 1844-1845; Hook. f. Fl. Brit. India 6: 136. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1027. 1957 (repr. ed.).

A herb on open rocks and old walls.

Distrib.: Coimbatore, Madurai, Nilgiri, Ramanathapuram, Salem, Tiruchchirappalli. O.

Habenaria richardiana Wight, Ic. t. 1713. 1851; Hook. f. Fl. Brit. India 6: 139. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1027. 1957 (repr. ed.).

A slender erect herb; flowers white.

Distrib.: Coimbatore (Fischer 1957), Nilgiri. O.

Habenaria roxburghii Nicolson in Saldanha & Nicolson, Fl. Hassan Dist. 834. 1976. *Orchis roxburghii* Pers. Syn. 2: 503. 1807, nom illeg. (incl. *O. plantaginea* Roxb.). *Habenaria platyphylla* Spreng. Syst. Veg. 690. 1826, nom. illeg. (incl. *Orchis plantaginea* Roxb.); Wight, Ic. t. 1709. 1851; Hook. f. Fl. Brit. India 6: 140. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1027. 1957 (repr. ed.).

A herb; leaves large, suborbicular, lying flat on ground. Flowers white, densely clustered at tip of a long, erect peduncle.

Distrib.: Chengalpattu, Coimbatore, Tirunelveli.

Habenaria virens (Lindl.) Abeyw. in Ceylon J. Sci., Biol. Sci. 2: 151. 1959. *Ate virens* Lindl. Gen. Sp. Orchid. Pl. 327. 1835; Wight, Ic. t. 928. 1844-1845. *Habenaria barbata* Wight ex Hook. f. Fl. Brit. India 6: 133. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1026. 1957 (repr. ed.).

A herb among grasses.

Distrib.: Coimbatore, Madurai, Tirunelveli.

Habenaria viridiflora (Rottl. ex Sw.) R. Br. Prodr. 312. 1810; Wight, Ic. t. 1705. 1851; Hook. f. Fl. Brit. India 6: 150. 1890 incl. var. *dalzellii*; Fischer in Gamble, Fl. Pres. Madras 3: 1028. 1957 (repr. ed.). *Orchis viridiflora* Rottl. ex Sw. in Kongl. Vetensk. Acad. Nya Handl. 21: 206. 1800.

A herb in rice-fields of lower altitudes.

Distrib.: Chengalpattu, Pudukkottai (RHT), Salem (Seidenfaden 1983), Tiruchchirappalli (RHT).

Hetaeria ovalifolia Benth. in Benth. & Hook. f. Gen. Pl. 3: 604. 1883; Hook. f. Fl. Brit. India 6: 115. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1019. 1957 (repr. ed.). *Goodyera ovalifolia* (Benth.) Wight, Ic. t. 1730. 1851.

A herb, in undergrowth of dense forests.

Distrib.: Coimbatore, Tirunelveli. O.

Kingidium decumbens (Griff.) Hunt in Kew Bull. 24: 97. 1970. *Aerides decumbens* Griff. Not. Pl. Asiat. 3: 365. 1851. *Doritis wightii* (Reichb. f.) Benth. in Benth. & Hook. f. Gen. Pl. 3: 574. 1883; Hook. f. Fl. Brit. India 6: 32. 1890. *Phalaenopsis wightii* Reichb. f. in Bot. Zeitung (Berlin) 214. 1862. *Kingiella decumbens* (Griff.) Rolfe in Orchid

Rev. 25 : 197. 1917; Fischer in Gamble, Fl. Pres. Madras 3 : 1006. 1957 (repr. ed.).

An epiphytic herb; flowers small, pinkish.

Distrib.: Kanniyakumari. **R.**

Liparis atropurpurea Lindl. Gen. Sp. Orchid. Pl. 28. 1830; Hook. f. Fl. Brit. India 5: 698. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 987. 1957 (repr. ed.).
L. olivacea Wight, Ic. t. 903. 1844-1845.

A herb; flowers purple.

Distrib.: Madurai, Nilgiri, Salem, Tirunelveli.

Liparis beddomei Ridley in J. Linn. Soc. Bot. 22: 268. 1886; Hook. f. Fl. Brit. India 5: 695. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 986. 1957 (repr. ed.).

A delicate herb, in rocky regions.

Distrib.: Madurai (Hook. f. 1890). **O.R.**

Liparis biloba Wight, Ic. t. 1633. 1851; Hook. f. Fl. Brit. India 5: 699. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 986. 1957 (repr. ed.).

A small two-leaved herb; flowers purple.

Distrib.: Nilgiri (Wight 1851), Salem. **O. R.**

Liparis caespitosa (Thouars) Lindl. in Bot. Reg. 2: sub t. 882. 1825. *Malaxis caespitosa* Thouars, Orch. Iles. Austr. Afr. Pls. t. 90. 1822. *Liparis pusilla* Ridley in J. Linn. Soc. Bot. 22: 119. 1886; Hook. f. Fl. Brit. India 5: 701. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 987. 1957 (repr. ed.).

A single-leaved epiphyte; flowers white.

Distrib.: Coimbatore (Fischer 1957).

Liparis duthiei Hook. f. in Hooker's Icon. Pl. 19: t. 1857 B. 1889 & Fl. Brit. India 5: 701. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 987. 1957 (repr. ed.).

A small, single-leaved epiphyte; flowers minute, yellowish.

Distrib.: Nilgiri (Fischer 1957). +.

Liparis elliptica Wight, Ic. t. 1735. 1851. *L. viridiflora* auct. non Lindl. 1830; Hook. f. Fl. Brit. India 5: 704. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 987. 1957 (repr. ed.).

An epiphyte; pseudobulbs small, elliptic.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Liparis nervosa (Sw.) Lindl. Gen. Sp. Orchid. Pl. 26. 1830; Fischer in Gamble, Fl. Pres. Madras 3: 987. 1957 (repr. ed.).
Malaxis nervosa Sw. in Kongl. Vetensk. Acad. Nya Handl. 21: 235. 1800. *Liparis paradoxa* Reichb. f. in Walp. Ann. 6: 218. 1861; Hook. f. Fl. Brit. India 5: 697. 1890; King & Pantl. in Ann. Roy. Bot. Gard. (Calcutta) 8: 27. t. 34. 1898.

A slender terrestrial herb; flowers few, small, pale yellow, restricted to upper half of a long slender scape.

Distrib.: Coimbatore (Fischer 1957), Nilgiri. **R.**

Liparis platyphylla Ridley in J. Linn. Soc. Bot. 22: 264. 1886; Hook. f. Fl. Brit. India 5: 695. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 986. 1957 (repr. ed.).

A small terrestrial herb; leaves two, spreading.

Distrib.: Coimbatore (Fischer 1957), Nilgiri. **O. R.**

Liparis prazeri King & Pantl. in J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 66: 582. 1897; Ellis & Swamin. in J. Bombay Nat. Hist. Soc. 66: 233. 1969.

A terrestrial herb; leaves two, large, suborbicular, flowers green, turning yellow with age.

Distrib.: Nilgiri, Ramanathapuram. **R.**

Liparis resupinata Ridley in J. Linn. Soc. Bot. 22: 290. 1886; Hook. f. Fl. Brit. India 5: 705. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 987. 1957 (repr. ed.).

An epiphyte; flowers pale yellow.

Distrib.: Nilgiri (Fischer 1957). **R.**

Liparis viridiflora (Blume) Lindl. Gen. Sp. Orchid. Pl. 31. 1830. *Malaxis viridiflora* Blume, Bijdr. 392. 1825. *Liparis longipes* Lindl. in Wall. Pl. Asiat. Rar. 1: 31. t. 35. 1830; Hook. f. Fl. Brit. India 5: 703. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 987. 1957 (repr. ed.).

A herb in tufts on lower part of tree trunks or on wet rocks.

Distrib.: Madurai, Nilgiri, Ramanathapuram, Salem, Tirunelveli (Fischer 1957).

Liparis walkeriae Graham in Edinburgh New Philos. J. 20: 194. 1836; Hook. f. Fl. Brit. India 5: 698. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 987. 1957 (repr. ed.).

A small fleshy herb, in grasslands.

Distrib.: Coimbatore, Nilgiri, Salem (PCM). **R.**

Liparis wightiana Thw. Enum. Pl. Zeyl. 295. 1861; Hook. f. Fl. Brit. India 5: 695. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 986. 1957 (repr. ed.). *L. atropurpurea* Wight, Ic. t. 904. 1844-1845, non Lindl. 1830.

A herb along patches of soil on rocks.

Distrib.: Coimbatore, Kanniyakumari, Madurai (Fischer 1957), Nilgiri, Salem, Tirunelveli.

Loxoma maculata (Dalz.) Garay in J. Arnold Arbor. 53: 202. 1972. *Micropera maculata* Dalz. in Hooker's J. Bot. Kew Gard. Misc. 3: 282. 1851. *Saccolabium*

maculatum (Dalz.) Hook. f. Fl. Brit. India 6: 64. 1890.

An epiphytic herb, flowers pinkish yellow.

Distrib.: Kanniyakumari. **O. R.**

Luisia birchea Blume, Rumph. 4: 50. 1849; Seidenfaden in Dansk Bot. Ark. 27(4): 35. 1971. *L. tenuifolia* auct. non Blume 1849; Hook. f. Fl. Brit. India 6: 24. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1006. 1957 (repr. ed.). *Cymbidium triste* auct. non (L.) Willd. 1805; Wight, Ic. t. 911. 1844-1845.

An epiphyte; leaves long, slender, terete.

Distrib.: Coimbatore, Madurai, Nilgiri, Ramanathapuram, Salem (PCM), South Arcot, Tirunelveli.

Luisia pulniana Vatsala in Abraham & Vatsala, Intr. Orch. 486. 1981.

An erect epiphyte in tufts; at higher altitudes.

Distrib.: Madurai (Vatsala 1981). **O. R.**

Luisia zeylanica Lindl. Fol. Orchid. 3. 1853. *L. teretifolia* auct. non Gaudich. 1826; Hook. f. Fl. Brit. India 6: 22. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1005. 1957 (repr. ed.). *Cymbidium tenuifolium* sensu Wight, Ic. t. 1689. 1851, non Willd. 1805-1806.

An erect epiphyte; leaves thick, terete.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem, Tiruchchirappalli, Tirunelveli (UCT).

Malaxis acuminata D. Don, Prodr. Fl. Nep. 29. 1825. *Microstylis wallichii* Lindl. ex Hook. f. Fl. Brit. India 5: 686. 1888; King & Pantl. in Ann. Roy. Bot. Gard. (Calcutta) 8 : 16. t. 18. 1898; Fischer in Gamble, Fl. Pres. Madras 3 : 985. 1957 (repr. ed.).

A terrestrial herb growing along with grasses among patches of wet soil on rocks.

Distrib.: Coimbatore, Nilgiri, Salem (Seidenfaden 1983).

Malaxis densiflora (A. Rich.) Kuntze, Rev. Gen. Pl. 2 : 673. 1891. *Liparis densiflora* A. Rich. in Ann. Sci. Nat. Bot. ser. 2. 15 : 18. t. 1 B. 1841. *Microstylis versicolor* auct. non Lindl. 1830; Wight, Ic. t. 901. 1844 1845; Hook. f. Fl. Brit. India 5 : 691. 1890. *M. densiflora* (A. Rich.) Fischer in Gamble, Fl. Pres. Madras 3 : 985. 1957 (repr. ed.).

A slender terrestrial herb along sbola slopes.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem (Fyson 1932).

Malaxis intermedia (A. Rich.) Seidenfaden in Bot. Tidsskr. 73 : 99. 1978. *Liparis intermedia* A. Rich. in Ann. Sci. Nat. Bot. ser. 2. 15 : 17. 1841. *Microstylis stocksii* Hook. f. in Hooker's Icon. Pl. t. 1833. 1889 & Fl. Brit. India 5 : 691. 1890; Fischer in Gamble, Fl. Pres. Madras 3 : 985. 1957 (repr. ed.).

An erect terrestrial herb; inflorescence dense, pink-flowered.

Distrib.: Madurai (Fyson 1932), Nilgiri. O.

Malaxis rheedii Sw. in Kongl. Vetensk. Acad. Nya Handl. 21 : 235. 1800. *Microstylis versicolor* Lindl. Gen. Sp. Orchid. Pl. 21. 1830; Fischer in Gamble, Fl. Pres. Madras 3 : 985. 1957 (repr. ed.). *Microstylis rheedii* auct. non Lindl. 1830; Wight, Ic. t. 902. 1844 1845; Hook. f. Fl. Brit. India 5 : 690. 1890.

An erect herb, common in shady places.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem, Tiruchchirappalli, Tirunelveli.

Malleola gracilis (Lindl.) Schltr. in Repert. Spec. Nov. Regni Veg. Beih.

1 : 981. 1913. *Saccolabium gracile* Lindl. Gen. Sp. Orchid. Pl. 225. 1833; Hook. f. Fl. Brit. India 6 : 57. 1890; Fischer in Gamble, Fl. Pres. Madras 3 : 1011. 1957 (repr. ed.).

A slender epiphyte with zig-zag stem, hanging from branches of trees.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Tirunelveli. R.

Nervilia aragoana Gaudich. Voy. Uranie 422. t. 35. 1827; Fischer in Gamble, Fl. Pres. Madras 3 : 1020. 1957 (repr. ed.). *Pogonia flabelliformis* Lindl. Gen. Sp. Orchid. Pl. 415. 1840; Hook. f. Fl. Brit. India 6 : 121. 1890.

A terrestrial herb among fallen leaves under shade.

Distrib.: Madurai (Fischer 1957), Nilgiri. R.

Nervilia carinata (Roxb.) Schltr. in Bot. Jahrb. Syst. 45 : 406. 1911; Fischer in Gamble, Fl. Pres. Madras 3 : 1020. 1957 (repr. ed.). *Epipactis carinata* Roxb. Fl. Ind. 3 : 454. 1832. *Pogonia carinata* (Roxb.) Lindl. Gen. Sp. Orchid. Pl. 414. 1840; Hook. f. Fl. Brit. India 6 : 121. 1890 & in Ann. Roy. Bot. Gard. (Calcutta) 5 : t. 94. 1895.

A terrestrial herb in the undergrowth of small trees.

Distrib.: Madurai. R.

Nervilia plicata (Andr.) Schltr. in Bot. Jahrb. Syst. 45 : 403. 1911; Fischer in Gamble, Fl. Pres. Madras 3 : 1020. 1957 (repr. ed.). *Arethusa plicata* Andr. Bot. Repos. 5 : t. 321. 1803. *Pogonia biflora* Wight, Ic. t. 1758. 1851; Hook. f. Fl. Brit. India 6 : 119. 1890. *Nervilia biflora* (Wight) Schltr. in Bot. Jahrb. Syst. 45 : 403. 1911; Fischer in Gamble, Fl. Pres. Madras 3 : 1020. 1957 (repr. ed.).

A tuberous herb; leaf single, dark brownish-purple, lying flat on ground.

Distrib.: Nilgiri.

Nervilia prainiana (King & Pantl.) Seidenfaden in Dansk Bot. Ark. 32: 149. 1978; Matthew, Ill. Fl. Tamilnadu Carnatic t. 700. 1982. *Pogonia prainiana* King & Pantl. in J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 65 : 129. 1896. *Nervilia monantha* Blatter & McCann in J. Bombay Nat. Hist. Soc. 35 : 724. 1932; Fischer in Gamble, Fl. Pres. Madras 3 : 1305. 1957 (repr. ed.).

A tuberous herb among decaying leaves under shade.

Distrib.: Nilgiri. **R.**

Oberonia anamalayana Joseph in J. Indian Bot. Soc. 42 : 222. 1963.

An elegant, erect epiphyte or lithophyte, usually in clusters.

Distrib.: Coimbatore. **O.**

Oberonia brunoniana Wight, Ic. t. 1622. 1851; Hook. f. Fl. Brit. India 5 : 681. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 984. 1957 (repr. ed.).

An erect or pendulous epiphyte.

Distrib.: Coimbatore, Nilgiri, Salem (Seidenfaden 1983). **O.**

Oberonia ensiformis (J.E. Smith) Lindl. Fol. Orchid. 8. 1859; Hook. f. Fl. Brit. India 5 : 679. 1888; Fischer in Gamble, Fl. Pres. Madras 3: 984. 1957 (repr. ed.). *Malaxis ensiformis* J.E. Smith in Rees, Cyclop. 22 : n. 14. 1812.

A large pendulous epiphyte; all ensiform leaves curve in one direction.

Distrib.: Coimbatore, Madurai, Nilgiri (CAL).

Oberonia iridifolia Lindl. Gen. Sp. Orchid. Pl. 15. 1830. *O. iridifolia* Lindl. var. *denticulata* (Wight) Hook. f. Fl. Brit. India 5 : 676. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 983. 1957 (repr. ed.).

O. denticulata Wight, Ic. t. 1625. 1851.

A small erect epiphyte.

Distrib.: Madurai, Nilgiri (Hook. f. 1888), Salem (Seidenfaden 1983), Tiruchchirappalli.

Oberonia platycaulon Wight, Ic. t. 1623. 1851; Hook. f. Fl. Brit. India 5 : 682. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 984. 1957 (repr. ed.).

One of the largest oberonias occurring in Tamilnadu.

Distrib.: Madurai (PCM), Nilgiri (Joseph 1982). **O. R.**

Oberonia proudlockii King & Pantl. in J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 66 : 580. 1897; Fischer in Gamble, Fl. Pres. Madras 3: 983. 1957 (repr. ed.).

An epiphyte; spikes very small.

Distrib.: Nilgiri, Salem (Seidenfaden 1983). **O. R.**

Oberonia santapau Kapadia in J. Bombay Nat. Hist. Soc. 57 : 265. 1960. *O. lindleyana* Wight, Ic. t. 1624. 1851, non Brongn. ex Duperr. 1834; Hook. f. Fl. Brit. India 5 : 681. 1888; Fischer in Gamble, Fl. Pres. Madras 3 : 984. 1957 (repr. ed.).

An epiphytic herb; leaves very succulent; racemes large, drooping.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem, Tirunelveli. **O.**

Oberonia sebastiana Shetty & Vivek. in Bull. Bot. Surv. India 17 : 157. 1975 (1978).

A pendulous epiphyte of grassy hill tops.

Distrib.: Coimbatore. **O.**

Oberonia seidenfadeniana Joseph & Vajravelu in Bull. Bot. Surv. India 13 : 344. 1971 (1973).

A small epiphyte.

Distrib.: Coimbatore. **R.**

Oberonia tenuis Lindl. Fol. Orchid. 3. 1859; Hook. f. Fl. Brit. India 5: 682. 1888; Henry & Swamin. in Indian J. For. 5: 79. 1982.

A small epiphytic herb, in evergreen forests.

Distrib.: Kanniyakumari. **R.**

Oberonia verticillata Wight, Ic. t. 1626. 1851; Hook. f. Fl. Brit. India 5: 677. 1888; Fischer in Gamble, Fl. Pres. Madras 3: 984. 1957 (repr. ed.).

A pendulous epiphyte; inflorescence long, verticillate.

Distrib.: Coimbatore, Madurai (PCM), Nilgiri, Salem.

Oberonia wightiana Lindl. in Edward's Bot. Reg. 25: Misc. 9. 1839, var. **wightiana**; Wight, Ic. t. 1627. 1851; Hook. f. Fl. Brit. India 5: 683. 1888 p.p.; Fischer in Gamble, Fl. Pres. Madras 3: 984. 1957 (repr. ed.) p.p.

A pendulous epiphyte, usually attached to jack fruit trees.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem.

Oberonia wightiana Lindl. var. **arnottiana** (Wight) R. Ansari, N.C. Nair & V.J. Nair in J. Econ. Tax. Bot. 3: 118. 1982. *O. arnottiana* Wight, Ic. t. 1628. 1851.

A pendulous epiphyte, on small trees in sholas.

Distrib.: Nilgiri. **O.**

Oberonia wightiana Lindl. var. **nilgirensis** R. Ansari, N.C. Nair & V.J. Nair in J. Econ. Tax. Bot. 3: 118. 1982.

Similar to the above variety from which it differs only in the structure of the lip.

Distrib.: Nilgiri. **O.**

Oberonia zeylanica Hook. f. in Hooker's Icon. Pl. 18: t. 1782. 1888 & Fl. Brit. India 5: 680. 1888; Fischer in Gamble, Fl. Pres. Madras 3: 984. 1957 (repr. ed.).

A small epiphyte.

Distrib.: Coimbatore (Fischer 1957), Madurai, Tirunelveli (CAL). **R.**

Pachystoma senile (Lindl.) Reichb. f. in Bonplandia 3: 251. 1858; Hook. f. Fl. Brit. India 5: 812. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 997. 1957 (repr. ed.). *Apaturia senilis* Lindl. Gen. Sp. Orchid. Pl. 130. 1831. *A. lindleyana* Wight, Ic. t. 1662. 1851.

A tuberous herb, in grasslands.

Distrib.: Coimbatore, Nilgiri, Tirunelveli. **R.**

Paphiopedilum druryi (Bedd.) Pfitz. Morph. Stud. Orchideenbl. 2: 41. 1886; Fischer in Gamble, Fl. Pres. Madras 3: 1033. 1957 (repr. ed.). *Cypripedium druryi* Bedd. Ic. t. 112. 1868-1874; Hook. f. Fl. Brit. India 6: 172. 1890.

A terrestrial herb, in open grasslands of high altitudes; flowers faded yellow, marked with black lines.

Distrib.: Tirunelveli. **O.** +.

Papilionanthe subulata (Koen.) Garay in Bot. Mus. Leaflet. 23: 372. 1972. *Epidendrum subulatum* Koen. in Retz. Obs. Bot. 6: 51. 1791. *Aerides cylindricum* Lindl. Gen. Sp. Orchid. Pl. 240. 1833; Wight, Ic. t. 1744. 1851; Hook. f. Fl. Brit. India 6: 44. 1890; Fyson, Fl. South Indian Hill St. 2: t. 506. 1932; Fischer in Gamble, Fl. Pres. Madras 3: 1008. 1957 (repr. ed.).

The terete leaves and long branched aerial roots are very characteristic.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem (Fyson 1932), Tirunelveli.

Pecteilis gigantea (J.E. Smith) Rafin. Fl. Tellur. 2: 38. 1837. *Orchis gigantea* J.E. Smith, Exot. Bot. 2: 79. t. 100. 1805. *Habenaria susannae* auct. non (L.) R. Br. ex Spreng. 1826; Hook. f. Fl. Brit. India 6: 137. 1890. *Platanthera susannae* auct. non (L.) Lindl. 1835; Wight, Ic. t. 920. 1844-1845; Fischer in Gamble, Fl. Pres. Madras 3: 1031. 1957 (repr. ed.).

A stout herb in open grasslands; flowers white.

Distrib.: Coimbatore, Madurai, Nilgiri. **R.**

Peristylus aristatus Lindl. Gen. Sp. Orchid. Pl. 300. 1835; Fischer in Gamble, Fl. Pres. Madras 3: 1030. 1957 (repr. ed.). *P. exilis* Wight, Ic. t. 1698. 1851. *Habenaria aristata* (Lindl.) Hook. f. Fl. Brit. India 6: 158. 1890.

A slender herb in damp places under shade.

Distrib.: Coimbatore, Madurai, Tirunelveli.

Peristylus brachyphyllus A. Rich. in Ann. Sci. Nat. Bot. ser. 2. 15: 70. t. 2. 1841; Fischer in Gamble, Fl. Pres. Madras 3: 1030. 1957 (repr. ed.). *Habenaria malabarica* Hook. f. Fl. Brit. India 6: 159. 1890.

A herb in open grasslands; flowers dull yellow.

Distrib.: Coimbatore, Nilgiri. **O.**

Peristylus densus (Lindl.) Sant. & Kapadia, Orchids Bombay 46. 1966. *Coeloglossum densum* Lindl. Gen. Sp. Orchid. Pl. 302. 1835. *Habenaria peristylodes* Wight, Ic. t. 1702. 1851. *H. stenostachya* Benth. Fl. Hong. 362. 1861; Hook. f. Fl. Brit. India 6: 156. 1890. *Peristylus stenostachya* (Benth.) Kraenzl. Orchid. Gen. Sp. 1: 502. 1898; Fischer in Gamble, Fl. Pres. Madras 3: 1030. 1957 (repr. ed.).

A herb amidst grasses; leaves narrow.

Distrib.: Kanniyakumari, Madurai.

Peristylus goodyeroides (D. Don) Lindl. Gen. Sp. Orchid. Pl. 299. 1835; Fischer in Gamble, Fl. Pres. Madras 3: 1030. 1957 (repr. ed.). *Habenaria goodyeroides* D. Don, Prodr. Fl. Nep. 25. 1825; Hook. f. Fl. Brit. India 6: 161. 1890; King & Pantl. in Ann. Roy. Bot. Gard. (Calcutta) 8: t. 430. 1898.

A stout terrestrial herb, in grasslands especially along acclivities.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Salem (Seidenfaden 1983).

Peristylus lawii Wight, Ic. t. 1695. 1851. *Habenaria lawii* (Wight) Hook. f. Fl. Brit. India 6: 162. 1890; Sharma et al. in Biol. Mem. 2(1 & 2): 143. 1977.

A slender herb, in dense undergrowth on slopes; flowers dull white.

Distrib.: Nilgiri. **R.**

Peristylus plantagineus Lindl. Gen. Sp. Orchid. Pl. 300. 1835; Wight, Ic. t. 921. 1844-1845; Fischer in Gamble, Fl. Pres. Madras 3: 1030. 1957 (repr. ed.). *Habenaria wightii* Trimen, Cat. Pl. Ceylon 91. 1885; Hook. f. Fl. Brit. India 6: 162. 1890.

A terrestrial herb, along forest path sides.

Distrib.: Coimbatore.

Peristylus richardianus Wight, Ic. t. 1697. 1851; Fischer in Gamble, Fl. Pres. Madras 3: 1030. 1957 (repr. ed.). *Habenaria bicornuata* Hook. f. Fl. Brit. India 6: 156. 1890.

A small terrestrial herb, among grasses in hill tops.

Distrib.: Coimbatore, Madurai, Nilgiri.

Peristylus secundus (Lindl.) Rathakr. in Indian Forester 98: 31. 1972. *Coeloglossum secundum* Lindl. Gen. Sp.

Orchid. Pl. 303. 1835. *Peristylus robustior* Wight, Ic. t. 1699. 1851. *Habenaria robustior* (Wight) Hook. f. Fl. Brit. India 6: 160. 1890. *Peristylus lancifolius* A. Rich. in Ann. Sci. Nat. Bot. ser. 2. 15: 69. 1841; Fischer in Gamble, Fl. Pres. Madras 3: 1030. 1957 (repr. ed.).

A rigid terrestrial herb; leaves arising from above middle of stem.

Distrib.: Madurai and Nilgiri (Hook. f. 1890).

Peristylus spiralis A. Rich. in Ann. Sci. Nat. Bot. ser. 2. 15: 69. t. 2 B. 1841; Wight, Ic. t. 1696. 1851; Fischer in Gamble, Fl. Pres. Madras 3: 1030. 1957 (repr. ed.). *Habenaria torta* Hook. f. Fl. Brit. India 6: 159. 1890.

A slender erect herb; in open marshy grasslands.

Distrib.: Coimbatore, Nilgiri.

Peristylus stocksii (Hook. f.) Kraenzl. Orchid. Gen. Sp. 1: 513. 1898; Fischer in Gamble, Fl. Pres. Madras 3: 1030. 1957 (repr. ed.). *Habenaria stocksii* Hook. f. Fl. Brit. India 6: 158. 1890.

A slender erect herb, in open grasslands at higher altitudes.

Distrib.: Nilgiri (Abraham & Vatsala 1981). R.

Pholidota pallida Lindl. in Edward's Bot. Reg. 21: sub t. 1777. 1836. *P. imbricata* sensu Lindl. in Edward's Bot. Reg. 14: t. 1213. 1828, non Lindl. in Hook. Exot. Fl. t. 138. 1825; Wight, Ic. t. 907. 1844-1845; Hook. f. Fl. Brit. India 5: 845. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1000. 1957 (repr. ed.).

A pendent epiphyte; flowers small, closely arranged distichously on upper half of a slender, pendulous spike.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem (Seidenfaden 1983), Tirunelveli.

Podochilus falcatus Lindl. Gen. Sp. Orchid. Pl. 234. 1833; Hook. f. Fl. Brit. India 6: 80. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1014. 1957 (repr. ed.). *P. malabaricus* Wight, Ic. t. 1748. 1851; Hook. f. Fl. Brit. India 6: 80. 1890.

A slender herb; leaves minute, laterally compressed.

Distrib.: Nilgiri. R.

Polystachya concreta (Jacq.) Garay & Sweet in Revista Soc. Colomb. Orquideol. 9 (3): 206. 1974; Seidenfaden in Matthew, Fl. Tamilnadu Carnatic 3: 1592. 1983. *Epidendrum concretum* Jacq. Enum. Pl. Carib. 30. 1760. *Polystachya purpurea* Wight, Ic. t. 1679. 1851; Hook. f. Fl. Brit. India 6: 21. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1005. 1957 (repr. ed.). *P. wightii* Reichb. f. in Walp. Ann. 6: 640. 1861; Hook. f. Fl. Brit. India 6: 21. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1005. 1957 (repr. ed.).

An epiphyte, flowers pale brown.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem. R.

Porpax jerdoniana (Wight) Rolfe in Orchid Rev. 16: 18. 1908; Fischer in Gamble, Fl. Pres. Madras 3: 995. 1957 (repr. ed.). *Lichenora jerdoniana* Wight, Ic. t. 1738. 1851. *Eria lichenora* Lindl. in J. Proc. Linn. Soc., Bot. 3: 46. 1859; Hook. f. Fl. Brit. India 5: 787. 1890.

A small epiphyte; pseudobulbs discoid, bilobed, firmly attached to tree trunks.

Distrib.: Kanniyakumari. R.

Porpax reticulata Lindl. in Edward's Bot. Reg. 31: Misc. 66. 1845; Fischer in Gamble, Fl. Pres. Madras 3: 994. 1957 (repr. ed.). *Eria reticulata* (Lindl.) Benth. in Benth & Hook. f. Gen. Pl. 3: 509. 1883; Hook. f. Fl. Brit. India 5: 786. 1890. *Aggeianthus marchantioides* Wight, Ic. t. 1737. 1851.

A tiny herb, in semi-evergreen forests, aggregated on wet rocks or tree trunks.

Distrib.: Nilgiri. O. R.

Proteroceras holtumii Joseph & Vajra-
velu in J. Indian Bot. Soc. 53 : 189. 1974.

A small epiphyte, on moss-clad slender branchlets of small trees.

Distrib.: Coimbatore. O.

Rhynchostylis retusa (L.) Blume, Bijdr. 286. t. 49. 1825; Hook. f. Fl. Brit. India 6 : 32. 1890; Fischer in Gamble, Fl. Pres. Madras 3 : 1007. 1957 (repr. ed.).
Epidendrum retusum L. Sp. Pl. 953. 1753.

An epiphyte on dead trees; the "fox tail" orchid.

Distrib.: Nilgiri, Salem (under cultivation). R.

Robiquetia josephiana Manilal & Satish Kumar in Orchid Rev. 92 : 293. 1984.
Saccolabium roseum auct. non Lindl. 1833; Joseph in J. Indian Bot. Soc. 41 : 297. 1962. *Malleola rosea* auct. non (Lindl.) Schltr. 1903; Joseph, Orchids Nilgiris 125. 1982.

A small epiphyte, on moss-clad tree trunks.

Distrib.: Coimbatore, Nilgiri, Ramanathapuram O. R.

Satyrium nepalense D. Don, Prodr. Fl. Nep. 26. 1825; Wight, Ic. t. 929. 1844 1845; Hook. f. Fl. Brit. India 6 : 168. 1890; Fischer in Gamble, Fl. Pres. Madras 3 : 1032. 1957 (repr. ed.).

A terrestrial herb, along open slopes near forests; flowers rose, scented.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Ramanathapuram, Salem.

Schoenorchis filiformis (Wight) Schltr. in Repert. Spec. Nov. Regni Veg. Beih. 1 : 986. 1913. *Sarcanthus filiformis*

Wight, Ic. t. 1684 (excl. capsule). 1851. *Saccolabium filiforme* (Wight) Lindl. in J. Proc. Linn. Soc., Bot. 3 : 36. 1859; Hook. f. Fl. Brit. India 6 : 56. 1890; Fischer in Gamble, Fl. Pres. Madras 3 : 1011. 1957 (repr. ed.).

A slender epiphyte in sholas; leaves filiform, terete.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Schoenorchis jerdoniana (Wight) Garay in Bot. Mus. Leaflet 23 : 202. 1972. *Taeniophyllum jerdonianum* Wight, Ic. t. 1756. 1851. *Saccolabium jerdonianum* (Wight) Reichb. f. in Walp. Ann. 6 : 886. 1861; Hook. f. Fl. Brit. India 6 : 59. 1890; Fischer in Gamble, Fl. Pres. Madras 3 : 1011. 1957 (repr. ed.).

A small epiphyte, on branches of trees along streams.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Salem (Seidenfaden 1983), Tirunelveli. O. R.

Sirhookera lanceolata (Wight) Kuntze, Rev. Gen. Pl. 2 : 681. 1891. *Josephia lanceolata* Wight, Ic. t. 1742. 1851; Hook. f. Fl. Brit. India 5 : 823. 1890; Fischer in Gamble, Fl. Pres. Madras 3 : 909. 1957 (repr. ed.).

A perennial epiphyte, on moss-clad tree trunks of evergreen forests.

Distrib.: Coimbatore, Madurai, Tirunelveli.

Sirhookera latifolia (Wight) Kuntze, Rev. Gen. Pl. 2 : 681. 1891. *Josephia latifolia* Wight, Ic. t. 1743. 1851; Hook. f. Fl. Brit. India 5 : 823. 1890; Fischer in Gamble, Fl. Pres. Madras 3 : 999. 1957 (repr. ed.).

A perennial epiphyte, among moss on tree trunks; leaves purple.

Distrib.: Coimbatore, Kanniyakumari, Tirunelveli. O.

Spathoglottis plicata Blume, Bijdr. 401. t. 76. 1825; Hook. f. Fl. Brit. India 5 : 813. 1890.

A herb, commonly cultivated both in plains and hill stations.

Spiranthes sinensis (Pers.) Ames, Orchidaceae 2 : 53. 1908, var. **sinensis**; Fischer in Gamble, Fl. Pres. Madras 3 : 1017. 1957 (repr. ed.). *Neottia sinensis* Pers. Syn. 2 : 511. 1807. *Spiranthes australis* Lindl. in Bot. Reg. 10 : sub t. 823. 1824; Wight, Ic. t. 1724 (middle and right hand figs.). 1851; Hook. f. Fl. Brit. India 6 : 102. 1890.

A slender herb, in open, dry grasslands at higher altitudes.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem, Tirunelveli.

Spiranthes sinensis (Pers.) Ames var. **wightiana** Lindl. Gen. Sp. Orchid. Pl. 465. 1840; Wight, Ic. t. 1724 (left hand fig.). 1851; Hook. f. Fl. Brit. India 6 : 102. 1890; Fischer in Gamble, Fl. Pres. Madras 3 : 1017. 1957 (repr. ed.).

A small, stout herb; spike dense flowered.

Distrib.: Nilgiri. O. R.

Taeniophyllum alwisii Lindl. in J. Proc. Linn. Soc., Bot. 3 : 42. 1859; Hook. f. Fl. Brit. India 6 : 76. 1890; Seidenfaden in Matthew, Fl. Tamilnadu Carnatic 3 : 1609. 1893.

A small, stemless and leafless epiphyte on shola trees; flowers greenish.

Distrib.: Salem (Seidenfaden 1983). R.

Tainia bicornis (Lindl.) Reichb. f. in Bonplandia 5 : 54. 1857. *Ania bicornis* Lindl. in Edward's Bot. Reg. 28 : Misc. 37. 1842. *A. latifolia* Wight, Ic. t. 914. 1844 1845. *Tainia bicornis* (Lindl.) Benth. ex Hook. f. Fl. Brit. India 5 : 820. 1890; Fischer in Gamble, Fl. Pres. Madras 3 : 998. 1957 (repr. ed.).

A single-leaved terrestrial herb, in wet forest floor.

Distrib.: Coimbatore, Tirunelveli. R.

Thelasis pygmaea (Griff.) Lindl. in J. Proc. Linn. Soc., Bot. 3 : 63. 1859; Hook. f. Fl. Brit. India 6 : 86. 1890; Fischer in Gamble, Fl. Pres. Madras 3 : 1014. 1957 (repr. ed.). *Euphorboscis pygmaea* Griff. in Calcutta J. Nat. Hist. 5 : 372. t. 26. 1845; Wight, Ic. t. 1732. 1851.

A small epiphyte; flowers minute, clustered at top of a slender spike.

Distrib.: Coimbatore.

Thrixspermum muscaeflorum A.S. Rao & Joseph var. **nilagiricum** Joseph & Vajravelu in Indian Forester 107 : 648. 1981.

A small, erect epiphytic herb; roots long, slender, well appressed and twining on branches of forest trees.

Distrib.: Coimbatore, Nilgiri. O. R.

Trias stocksii Benth. ex Hook. f. Fl. Brit. India 5 : 781. 1890; Vivek. in Bull. Bot. Surv. India 10 : 241. 1968.

A tiny herb, on ultimate branches of trees in wet deciduous forests.

Distrib.: Coimbatore, Kanniyakumari, Tirunelveli. O. R.

Trichoglottis tenera (Lindl.) Schltr. in Bull. Herb. Boissier 2. 6 : 471. 1906. *Oeceoclades tenera* Lindl. Gen. Sp. Orchid. Pl. 236. 1833; Wight, Ic. t. 1683. 1851. *Cleisostoma tenerum* (Lindl.) Hook. f. Fl. Brit. India 6 : 73. 1890; Fischer in Gamble, Fl. Pres. Madras 3 : 1012. 1957 (repr. ed.).

An epiphyte, on tree trunks among moss; stem slender, creeping; aerial roots long, wiry.

Distrib.: Madurai, Nilgiri.

Tropidia angulosa (Lindl.) Blume, Coll. Orchid. 122. 1859; Hook. f. Fl. Brit.

India 6: 92. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1015. 1957 (repr. ed.). *Cnemidia angulosa* Lindl. in Edward's Bot. Reg. 19: sub t. 1618. 1833. *Govindooia nervosa* Wight, Ic. t. 2090. 1853.

A terrestrial among decaying leaves under shades of small trees.

Distrib.: Coimbatore, Madurai (Fischer 1957), Salem (Seidenfaden 1983).

Tropidia curculigoides Lindl. Gen. Sp. Orchid. Pl. 497. 1840; Hook. f. Fl. Brit. India 6: 93. 1890; R. Rao & Ahuja in Bull. Bot. Surv. India 10: 365. 1968.

A small erect herb; leaves grass-like.

Distrib.: Kanniyakumari, Tirunelveli.

Vanda spathulata (L.) Spreng. Syst. Veg. 3: 719. 1826; Wight, Ic. t. 915. 1844-1845; Hook. f. Fl. Brit. India 6: 50. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1010. 1957 (repr. ed.). *Epidendrum spathulatum* L. Sp. Pl. 952. 1753.

A long scandant epiphyte; flowers yellow, in long axillary spikes.

Distrib.: Almost all districts.

Vanda tessellata (Roxb.) Hook. ex G. Don in Loud. Hort. Brit. 372. 1830; Fischer in Gamble, Fl. Pres. Madras 3: 1010. 1957 (repr. ed.). *Epidendrum tessellatum* Roxb. Pl. Cor. t. 42. 1795. *Vanda roxburghii* R. Br. in Bot. Reg. 6: t. 506. 1820; Hook. f. Fl. Brit. India 6: 52. 1890.

An epiphyte on trees in plains; flowers reddish brown, produced in axillary inflorescence.

Distrib.: Most of the districts.

Vanda testacea (Lindl.) Reichb. f. in Gard. Chron. 2: 166. 1877. *Aerides testaceum* Lindl. Gen. Sp. Orchid. Pl. 238. 1833. *Vanda parviflora* Lindl. in Edward's Bot. Reg. 30: Misc. 57. 1844; Wight, Ic. t. 1669. 1851; Hook. f. Fl. Brit.

India 6: 50. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1010. 1957 (repr. ed.).

A perennial epiphyte, on small trees.

Distrib.: Most of the districts.

Vanda wightii Reichb. f. in Walp. Ann. 6: 932. 1861; Hook. f. Fl. Brit. India 6: 54. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1010. 1957 (repr. ed.).

An epiphyte; leaves long, narrow; few-flowered.

Distrib.: Nilgiri (Hook. f. 1890). O. +.

Vanilla walkeriae Wight, Ic. t. 932. 1844-1845; Hook. f. Fl. Brit. India 6: 90. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1015. 1957 (repr. ed.).

A leafless, stout, root climber on shrubs.

Distrib.: Coimbatore (Fischer 1957), Nilgiri, Salem (Seidenfaden 1983). R.

Vanilla wightiana Lindl. Gen. Sp. Orchid. Pl. 436. 1840; Hook. f. Fl. Brit. India 6: 90. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1015. 1957 (repr. ed.).

An extensive leafless root climber; flowers large, yellow.

Distrib.: Kanniyakumari, Salem (Seidenfaden 1983). O. R.

Zeuxine gracilis (Breda) Blume, Fl. Javae n.s. 56. t. 18. f. 2. & t. 23 D. 1858. *Psychechilos gracile* Breda, Gen. Sp. Orchid. Asclep. t. 9. 1827. *Zeuxine affinis* Benth. ex Hook. f. Fl. Brit. India 6: 108. 1890. *Z. blatteri* Fischer in Kew Bull. 1928: 76. 1928 & in Gamble, Fl. Pres. Madras 3: 1018. 1957 (repr. ed.).

A terrestrial in sandy humus soil, in shade of wet deciduous forests.

Distrib.: Madurai (Fischer 1957), Tirunelveli. R.

Zeuxine longilabris (Lindl.) Benth. ex Hook. f. Fl. Brit. India 6: 107. 1890; Fischer in Gamble, Fl. Pres. Madras

3: 1018. 1957 (repr. ed.). *Monochilus longilabre* Lindl. Gen. Sp. Orchid. Pl. 487. 1840. *M. affine* sensu Wight, Ic. t. 1728. 1851, non Lindl. 1840.

A puberulous herb; rhizome creeping among decaying leaves along roadsides.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Ramanathapuram, Salem (Seidenfaden 1983), Tirunelveli.

ZINGIBERACEAE

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Alpinia abundiflora Burtt & Smith in Notes Roy. Bot. Gard. Edinburgh 34: 179. t. 5. 1975. *Amomum involucratum* sensu Fischer in Gamble, Fl. Pres. Madras 1487. 1928 & 3: 1039. 1957 (repr. ed.), non (Thw.) Benth. ex Trimen 1885.

A herb at higher altitudes.

Distrib.: Coimbatore, Tirunelveli.

Alpinia calcarata Roscoe in Trans. Linn. Soc. London 8: 347. 1807; Wight, Ic. t. 2028. 1853; Baker in Hook. f. Fl. Brit. India 6: 254. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1043. 1957 (repr. ed.).

A perennial herb, often under cultivation.

Alpinia galanga Sw. Obs. Bot. 8. 1791; Baker in Hook. f. Fl. Brit. India 6: 253. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1042. 1957 (repr. ed.). *A. rheedii* Wight, Ic. t. 2026. 1853.

Tamil: *Perarattai*.

A perennial herb, often cultivated for its rhizome.

Alpinia malaccensis (Burm. f.) Roscoe in Trans. Linn. Soc. London 8: 345. 1807; Baker in Hook. f. Fl. Brit. India 6: 255. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1043. 1957 (repr. ed.).

Maranta malaccensis Burm. f. Fl. Ind. 2. 1768.

A perennial herb, at higher altitudes.

Distrib.: Most of the districts.

Amomum cannicarpum (Wight) Benth. ex Baker in Hook. f. Fl. Brit. India 6: 240. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1039. 1957 (repr. ed.). *Elettaria cannicarpum* Wight, Ic. t. 2007. 1853.

A herb, at higher altitudes; flowers yellow.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Amomum hypoleucum Thw. Enum. Pl. Zeyl. 318. 1861; Baker in Hook. f. Fl. Brit. India 6: 240. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1039. 1957 (repr. ed.).

A herb, at lower elevations in hilly regions.

Distrib.: Coimbatore. R. +.

Amomum muricatum Bedd. in Madras J. Lit. Sci. ser. 3. 1: 59. 1864; Fischer in Gamble, Fl. Pres. Madras 3: 1039. 1957 (repr. ed.).

A herb, at lower elevation of hilly tracts; flowers yellow.

Distrib.: Coimbatore.

Amomum pterocarpum Thw. Enum. Pl. Zeyl. 317. 1861; Baker in Hook. f. Fl. Brit. India 6: 241. 1892. *A. microstephanum* Baker in Hook. f. Fl. Brit. India 6: 239. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1039. 1957 (repr. ed.).

A herb, at lower elevations of hills; flowers white.

Distrib.: Coimbatore.

Curcuma amada Roxb. in Asiat. Res. 11: 341. 1810; Baker in Hook. f. Fl. Brit. India 6: 213. 1890; Fischer in

Gamble, Fl. Pres. Madras 3: 1036. 1957 (repr. ed.).

Tamil: *Maingi*.

A tuberous herb, often under cultivation. **E.**

Curcuma aromatica Salisb. Parad. Lond. t. 96. 1807; Wight, Ic. t. 2005. 1853; Baker in Hook. f. Fl. Brit. India 6: 210. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1036. 1957 (repr. ed.).

Tamil: *Kasturi manjal*.

A tuberous herb, often cultivated for its tubers. **E.**

Curcuma longa L. Sp. Pl. 2. 1753; Baker in Hook. f. Fl. Brit. India 6: 214. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1036. 1957 (repr. ed.). *C. domestica* Valetton in Bull. Jard. Bot. Buitenzorg ser. 2. 27: 31. 1981.

Tamil: *Manjal*.

A tuberous herb, often cultivated.

Curcuma neilgherrensis Wight, Ic. t. 2006. 1853; Baker in Hook. f. Fl. Brit. India 6: 210. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1036. 1957 (repr. ed.).

Tamil: *Kaattu manjal*.

A tuberous herb, at higher elevations.

Distrib.: Coimbatore, Nilgiri, Salem, Tirunelveli.

Curcuma pseudomontana Graham, Cat. Pl. Bombay 210. 1839; Fischer in Gamble, Fl. Pres. Madras 3: 1036. 1957 (repr. ed.). *C. montana* sensu Baker in Hook. f. Fl. Brit. India 6: 214. 1890 p.p., non Roscoe 1807.

A tuberous herb, in higher elevations.

Distrib.: Coimbatore (CAL, HIEP).

Curcuma zedoaria (Christm.) Roscoe in Trans. Linn. Soc. London 8: 354.

1807; Baker in Hook. f. Fl. Brit. India 6: 210. 1890; Fischer in Gamble, Fl. Pres. Madras 3: 1036. 1957 (repr. ed.). *Amonum zedoaria* Christm. in Christm. & Panzer, Linn. Pflanzensyst. 5: 12. 1779. *Curcuma zerumbet* Roxb. in Asiat. Res. 11: 332. 1810 & Pl. Cor. t. 201. 1811.

Tamil: *Kichchilik-kishangu*.

A tuberous herb, often cultivated.

Elettaria cardamomum (L.) Maton in Trans. Linn. Soc. London 10: 254. 1811, var. **cardamomum**; Baker in Hook. f. Fl. Brit. India 6: 251. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1041. 1957 (repr. ed.). *Amonum cardamomum* L. Sp. Pl. 1. 1753. *Alpinia cardamomum* (L.) Roxb. in Asiat. Res. 11: 355. 1810 & Pl. Cor. t. 226. 1815.

Tamil: *Elam*.

A perennial herb, often under cultivation. **E.**

Elettaria cardamomum (L.) Maton var. **major** Thw. Enum. Pl. Zeyl. 318. 1861; Baker in Hook. f. Fl. Brit. India 6: 251. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1042. 1957 (repr. ed.).

A perennial herb, often cultivated. **E.**

Globba marantina L. Mant. Pl. 170. 1771; Baker in Hook. f. Fl. Brit. India 6 : 206. 1890. *G. bulbifera* Roxb. in Asiat. Res. 11 : 358. 1810; Baker in Hook. f. Fl. Brit. India 6 : 206. 1890; Fischer in Gamble, Fl. Pres. Madras 3 : 1035. 1957 (repr. ed.).

A herb, in moist forests; flowers yellow.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Ramanathapuram.

Globba ophioglossa Wight, Ic. t. 2002. 1853; Baker in Hook. f. Fl. Brit. India 6 : 202. 1890; Fischer in Gamble, Fl.

Pres. Madras 3 : 1035. 1957 (repr. ed.).

An erect herb, in damp places.

Distrib.: Coimbatore, Nilgiri, Tiruchchirappalli (RHT), Tirunelveli.

Hedychium coronarium Koen. in Retz. Obs. Bot. 3 : 73. 1783; Wight, Ic. t. 2010. 1853; Baker in Hook. f. Fl. Brit. India 6 : 225. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1039. 1957 (repr. ed.).

A herb, in moist localities in hilly regions.

Distrib.: Most of the districts. E.

Hedychium chrysoleucum Hook. in Bot. Mag. t. 4516. 1850. *H. coronarium* Koen. var. *chrysoleucum* (Hook.) Baker in Hook. f. Fl. Brit. India 6 : 226. 1892. *H. flavescens* Carey ex Roscoe var. *chrysoleucum* (Hook.) Fischer in Gamble, Fl. Pres. Madras 1485. 1928 & 3 : 1038. 1957 (repr. ed.).

A herb; flowers white, base yellow.

Distrib.: Nilgiri, Salem.

Hedychium flavescens Carey ex Roscoe, Monandr. Pl. Scitam. t. 50. 1824; Wight, Ic. t. 2008. 1853; Gamble, Fl. Pres. Madras 3 : 1038. 1957 (repr. ed.). *H. coronarium* Koen. var. *flavescens* (Carey ex Roscoe) Baker in Hook. f. Fl. Brit. India 6 : 226. 1892.

A herb in hilly areas; flowers yellow.

Distrib.: Madurai, Nilgiri, Ramana-thapuram, Tiruchchirappalli, Tirunelveli.

Hedychium venustum Wight, Ic. t. 2012. 1853; Baker in Hook. f. Fl. Brit. India 6 : 226. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1038. 1957 (repr. ed.).

A tuberous herb, at higher elevations.

Distrib.: Madurai, Nilgiri.

Kaempferia evansii Blatter in J. & Proc. Asiat. Soc. Bengal 26 : 359. 1931.

A perennial herb.

Distrib.: Madurai.

Roscoea alpina Royle, Ill. 361. 1839; Parthasarathy & Mahadevan in Geobios New Reports 7 : 40. 1988.

A small, aromatic ephemeral herb.

Distrib.: Tirunelveli (Parthasarathy & Mahadevan 1988).

Zingiber officinale Roscoe in Trans. Linn. Soc. London. 8 : 348. 1807; Baker in Hook. f. Fl. Brit. India 6 : 246. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1040. 1957 (repr. ed.).

Tamil : Shukku, Inghi.

A tuberous herb, often under cultivation. E.

Zingiber purpureum Roscoe in Trans. Linn. Soc. London 8 : 348. 1807; Burt & Smith in Dassanayake & Fosberg, Rev. Handb. Fl. Ceylon 4 : 494. 1983. *Z. cassumunar* Roxb. in Asiat. Res. 11 : 347. t. 5. 1810; Baker in Hook. f. Fl. Brit. India 6 : 248. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1041. 1957 (repr. ed.).

A tuberous herb, often under cultivation.

Zingiber roseum (Roxb.) Roscoe in Trans. Linn. Soc. London 8 : 348. 1807; Baker in Hook. f. Fl. Brit. India 6 : 244. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1040. 1957 (repr. ed.). *Amomum roseum* Roxb. Pl. Cor. t. 126. 1800.

A tuberous herb, at higher elevations.

Distrib.: Nilgiri.

Zingiber wightianum Thw. Enum. Pl. Zeyl. 315. 1861; Baker in Hook. f. Fl. Brit. India 6 : 244. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1040. 1957 (repr. ed.). *Z. squarrosum* Wight, Ic. t. 2004. 1853.

A tuberous herb, at higher elevations.

Distrib.: Coimbatore, Nilgiri.

Zingiber zerumbet (L.) J.E. Smith, Exot. Bot. 2 : 105. t. 112. 1804; Baker in Hook. f. Fl. Brit. India 6 : 247. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1040. 1957 (repr. ed.). *Amomum zerumbet* L. Sp. Pl. 1. 1753.

A tuberous herb, often under cultivation.

COSTACEAE

K. RAMAMURTHY

Costus speciosus (Koen.) J.E. Smith in Trans. Linn. Soc. London 1 : 249. 1791; Wight, Ic. t. 2014. 1853; Baker in Hook. f. Fl. Brit. India 6 : 249. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1041. 1957 (repr. ed.). *Banksea speciosa* Koen. in Retz. Obs. Bot. 3 : 75. 1783.

Tamil : *Kottam*.

A succulent herb, in moist localities.

Distrib.: Almost all districts. E.

MARANTACEAE

K. RAMAMURTHY

Maranta arundinacea L. Sp. Pl. 2. 1753; Fischer in Gamble, Fl. Pres. Madras 3 : 1045. 1957 (repr. ed.).

Tamil : *Arurutukizhangu*.

A perennial herb, often cultivated for its roots. E.

Phrynium pubinerve Blume, Enum. Pl. Javae 1 : 58. 1827; Rao & Verma in Bull. Bot. Surv. India 14 : 141. 1972. *P. capitatum* auct. non Willd. 1797; Wight, Ic. t. 2016. 1853; Baker in Hook. f. Fl. Brit. India 6 : 258. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1044. 1957 (repr. ed.).

A creeping herb, at lower elevations.

Distrib.: Coimbatore.

Schumannianthus virgatus (Roxb.) Rolfe in J. Bot. 46: 244. 1907; Fischer in Gamble,

Fl. Pres. Madras 3: 1043. 1957 (repr. ed.). *Phrynium virgatum* Roxb. in Asiat. Res. 11: 324. 1810. *Clinogyne virgata* (Roxb.) Benth. ex Baker in Hook. f. Fl. Brit. India 6: 258. 1892. *Maranta virgata* (Roxb.) Wall. ex Wight, Ic. t. 2015. 1853.

Tamil: *Periya-kuhai-valai*.

An erect herb, in evergreen forests.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

MUSACEAE

K. RAMAMURTHY

Ensete edule Horan. Prodr. Monog. Scitam. 41. 1862; Matthew in Rec. Bot. Surv. India 20(1): 208. 1969.

Tamil: *Mondan valai*.

A gigantic herb, cultivated.

Ensete superbum (Roxb.) Cheesman in Kew Bull. 1948: 100. 1948. *Musa superba* Roxb. Pl. Cor. t. 223. 1811; Wight, Ic. tt. 2017 & 2018. 1853; Baker in Hook. f. Fl. Brit. India 6: 261. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1046. 1957 (repr. ed.).

An erect plant, in rocky hillsides.

Distrib.: Chengalpattu, Coimbatore.

Heliconia psittacorum L. f. Suppl. Pl. 158. 1781; Sharma et al. in Biol. Mem. 2(1 & 2): 145. 1977.

An ornamental, under cultivation.

Musa acuminata Colla, Mem. Gen. Musa 66. 1830; Sundararaj & Balasubramanyam in Kew Bull. 25: 332. 1971.

Distrib.: Tirunelveli (Sundararaj & Balasubramanyam 1971).

Musa balbisiana Colla, Mem. Gen. Musa 56. 1830; Cheesman in Kew Bull. 1948: 11. 1948.

Distrib.: Tamilnadu (Cheesman 1948).

Musa kattuvazhana Jacob, Monog. Madras Bananas 129. 1952.

Distrib.: Tamilnadu (Jacob 1952).

Musa paradisiaca L. Sp. Pl. 1043. 1753; Fischer in Gamble, Fl. Pres. Madras 3: 1046. 1957 (repr. ed.). *M. sapientum* L. Syst. Nat. ed. 10. 1303. 1759; Baker in Hook. f. Fl. Brit. India 6: 262. 1892. *M. sapidisiaca* Jacob, Monog. Madras Bananas 129. 1952.

Tamil: *Vazhai*.

The banana tree; many cultigens occur. E.

Ravenala madagascarensis Sonner. Voy. Ind. Or. Chine 3(5): 244. 1782; Fischer in Gamble, Fl. Pres. Madras 3: 1046. 1957 (repr. ed.).

The common traveller's tree under cultivation.

CANNACEAE

K. RAMAMURTHY

Canna indica L. Sp. Pl. 1. 1753. *C. indica* L. var. *orientalis* (Roscoe) Baker in Hook. f. Fl. Brit. India 6 : 260. 1892. *C. orientalis* Roscoe, Monandr. Pl. Scitam. t. 12. 1826; Fischer in Gamble, Fl. Pres. Madras 3 : 1045. 1957 (repr.ed.).

A perennial garden herb with different colours and cultigens; runs wild.

BROMELIACEAE

K. RAMAMURTHY

Ananas comosus (L.) Merr. Interpr. Rumph. Herb. Amboin. 133. 1917. *Bromelia comosa* L. Herb. Amboin. 21. 1754. *Ananas sativus* Schultes & Schultes f. Syst. 7 : 1283. 1830; Fischer in Gamble, Fl. Pres. Madras 3 : 1046. 1957 (repr. ed.).

Tamil: *Anashippazham*.

The Pine Apple, cultivated for fruits. E.

HAEMODORACEAE

K. RAMAMURTHY

Ophiopogon intermedius D. Don, Prodr. Fl. Nep. 48. 1825, var. *intermedius*; Hook. f. Fl. Brit. India 6 : 269. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1048. 1957 (repr. ed.). *O. indicus* Wight, Ic. t. 2050. 1853.

A small herb, in hilly regions.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Tirunelveli.

Ophiopogon intermedius D. Don var. *gracilipes* Hook. f. Fl. Brit. India 6 : 269. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1048. 1957 (repr. ed.).

A small herb; leaves conspicuous, tapering.

Distrib.: Nilgiri.

Ophiopogon intermedius D. Don var. *pauciflorus* Hook. f. Fl. Brit. India 6 : 269. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1048. 1957 (repr. ed.).

A small herb, flowers few in racemes.

Distrib.: Coimbatore, Madurai, Nilgiri, Tiruchchirappalli, Tirunelveli.

Peliosanthes teta Andr. subsp. *humilis* (Andr.) Jessop in Blumea 23 : 155. 1976. *P. humilis* Andr. Bot. Repos. 634. 1811. *P. neilgherrensis* Wight, Ic. t. 2052. 1853; Hook. f. Fl. Brit. India 6 : 266. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1047. 1957 (repr. ed.). *P. courtallensis* Wight, Ic. t. 2051. 1853; Hook. f. Fl. Brit. India 6 : 266. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1047. 1957 (repr. ed.).

A perennial robust herb, in evergreen forests.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

IRIDACEAE

V. CHITHRA & M.K. JANARTHANAM

Aristea ecklonii Baker in J. Linn. Soc. Bot. 16 : 112. 1878; Sharma et al. in Biol. Mem. 2(1 & 2) : 145. 1977.

A herb, flowers in a loose panicle with a flattened rachis; cultivated.

Crocospmia pottsii (Baker) N.E. Br. in Trans. Roy. Soc. South Africa 20 : 262. 1932; Bailey, Man. Cult. Pl. 284. 1958. *Montbretia pottsii* Baker in Gard. Chron. 424. 1877.

A herb, flowers orange-yellow.

Dieramma pulcherrima (Hook. f.) Baker in J. Linn. Soc. Bot. 15 : 99. 1877; Bailey, Man. Cult. Pl. 280. 1958. *Sparaxis pulcherrima* Hook. f. in Bot. Mag. t. 5555. 1864.

A herb, flowers bright blood-red to purple; cultivated.

Eleutherine palmifolia (L.) Merr. in Philipp. J. Sci. 7 : 233. 1912. *Sisyrinchium palmifolium* L. Mant. Pl. 122. 1767. *Eleutherine plicata* Herbert in Edward's Bot. Reg. 29: sub t. 57. 1843; Bailey, Stand. Cyclop. Hort. 1 : 1110. 1958.

A herb, bulbs ovoid, perianth white; cultivated.

Freesia refracta Klatt in Linnaea 34 : 673. 1865 1866; Bailey, Man. Cult. Pl. 281. 1958.

A herb, corm ovoid or conical with heavy tunics, flowers greenish-yellow to bright yellow; cultivated.

Gladiolus primulinus Baker in Gard. Chron. 122. 1890; Bailey, Man. Cult. Pl. 283. 1958.

A herb; leaves and flowers yellow; cultivated.

Iris germanica L. Sp. Pl. 38. 1753; Bailey, Man. Cult. Pl. 271. 1958.

A herb, flowers lilac or lilac-purple; cultivated.

Iris japonica Thunb. in Trans. Linn. Soc. London 2 : 327. 1794; Bailey, Man. Cult. Pl. 270. 1958.

A herb; spathe 3-5-flowered, flowers lilac or bluish; cultivated.

Iris unguicularis Poir. Voy. Barbarie 2 : 86. 1789; Bailey, Man. Cult. Pl. 276. 1958.

A herb; spathe 1-3-flowered, flowers lilac, fragrant, cultivated.

Moraea iridioides L. Mant. Pl. 28. 1767; Bailey, Man. Cult. Pl. 277. 1958.

A herb, cultivated.

Watsonia ardernei Mathews & Bolus in Ann. Bolus Herb. 4 : 25. 1925; Mathew in Rec. Bot. Surv. India 20 (1) : 212. 1969.

A perennial herb, often planted.

Watsonia rosea Ker-Gawl. in Ann. Bot. (Koen. & Sims) 1 : 230. 1804; Bailey, Man. Cult. Pl. 281. 1958.

A herb; flowers red, of papery texture; cultivated.

AMARYLLIDACEAE

V. CHANDRASEKARAN

Crinum asiaticum L. Sp. Pl. 292. 1753; Hook. f. Fl. Brit. India 6: 280. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1051. 1957 (repr. ed.). *C. toxicarium* Roxb. Fl. Ind. 2 : 134. 1824; Wight, Ic. tt. 2021 & 2022. 1853.

Tamil: *Vishamungil*.

A stout herb, often cultivated. E.

Crinum defixum Ker-Gawl. in J. Sci. Arts (London) 3 : 105. 1817; Hook. f.

Fl. Brit. India 6 : 281. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1051. 1957 (repr. ed.).

Tamil: *Vishamungil*.

A herb in swampy river banks and backwaters.

Distrib.: Chengalpattu, Dharmapuri, Nilgiri, Ramanathapuram, South Arcot, Tiruchchirappalli (RHT). E.

Crinum latifolium L. Sp. Pl. 291. 1753; Wight, Ic. tt. 2019 & 2020. 1853; Hook. f. Fl. Brit. India 6 : 283. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1051. 1957 (repr. ed.).

Tamil: *Vishamungil*.

A herb in hills.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli. E.

Crinum moorei Hook. f. in Bot. Mag. t. 6113. 1874.

Cultivated in gardens.

Eucharis grandiflora Planch. & Linden in Fl. Serres Jard. Eur. ser. 1. 9 : 225. 1853 - 1854.

A herb, cultivated. E.

Eurycles sylvestris Salisb. in Trans. Hort. Soc. London 1 : 337. 1812.

A herb, cultivated in gardens.

Haemanthus coccineus L. Sp. Pl. 325. 1753.

A herb, cultivated in gardens.

Haemanthus matalensis Hook. in Bot. Mag. t. 5378. 1863.

A herb, cultivated in gardens.

Leucojum aestivum L. Syst. Nat. ed. 10. 975. 1759.

A herb; leaves strap-shaped; flowers white, tipped with green. "Grown in

Coonoor and Ootacamund " (Wealth of India 1962).

Leucojum pulchellum Salisb. Parad. Lond. t. 74. 1807.

A bulbous herb, cultivated.

Narcissus tazetta L. Sp. Pl. 290. 1753.

A bulbous herb, cultivated.

Nerine undulata Herbert in Bot. Mag. sub t. 2124. 1820.

A herb, cultivated in gardens. E.

Pancratium triflorum Roxb. Fl. Ind. 2 : 126. 1832; Hook. f. Fl. Brit. India 6 : 285. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1051. 1957 (repr. ed.). *P. verecundum* auct. non Ait. 1789; Wight, Ic. t. 2023. 1853; Hook. f. Fl. Brit. India 6 : 286. 1892.

A bulbous herb.

Distrib.: Chengalpattu (Mayuranathan 1929), Coimbatore, Tirunelveli. E.

Sprekelia formosissima Herbert in Edward's Bot. Reg. App. 35. 1840.

A bulbous herb, cultivated in gardens; flowers large, deep crimson.

Stenomesson coccineum Herbert in Edward's Bot. Reg. App. 40. 1840.

A bulbous herb, cultivated in gardens. E.

Zephyranthes carinata Herbert in Bot. Mag. t. 2594. 1825; Fyson, Fl. South Indian Hill St. 2 : t. 537. 1932; Fischer in Gamble, Fl. Pres. Madras 3 : 1052. 1957 (repr. ed.). *Z. grandiflora* Lindl. in Bot. Reg. 11 : t. 902. 1825.

A herb; an escape from gardens in hills. E.

Zephyranthes tubispatha Herbert in Edward's Bot. Reg. App. 36. 1840; Hook. f. Fl. Brit. India 6 : 277. 1892;

Fischer in Gamble, Fl. Pres. Madras 3 : 1052. 1957 (repr. ed.).

A herb; an escape from gardens in plains.

AGAVACEAE

V. CHANDRASEKARAN

Agave angustifolia Haw. Syn. Pl. Succ. 72. 1812. *A. wightii* Drumm. & Prain in Bengal Agric. Bull. 8 : 15. 1906 & in Agric. Ledger 13(7) : 91. 1906; Fischer in Gamble, Fl. Pres. Madras 3 : 1052. 1957 (repr. ed.). *A. vivipara* Wight, Ic. t. 2024. 1853; Hook. f. Fl. Brit. India 6 : 277. 1892.

Tamil: *Kathalai*.

A herb, planted. E.

Agave cantula Roxb. Fl. Ind. 2 : 167. 1832; Fischer in Gamble, Fl. Pres. Madras 3 : 1052. 1957 (repr. ed.). *A. americana* auct. non L. 1753; Hook. f. Fl. Brit. India 6 : 277. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1052. 1957 (repr. ed.).

Tamil: *Kathalai*.

A nearly stemless shrub; often planted. E.

Agave sisalana Perrine ex Engelm. in Trans. Acad. Sci. St. Louis 3 : 314. tt. 2-4. 1875; Fischer in Gamble, Fl. Pres. Madras 3 : 1052. 1957 (repr. ed.).

A stemless shrub, planted. E.

Agave vera-cruz Mill. Gard. Dict. ed. 8. n. 7. 1768; Fischer in Gamble, Fl. Pres. Madras 3 : 1052. 1957 (repr. ed.).

Tamil: *Kathalai*.

A stout shrub, grown as a hedge plant. E.

Cordyline australis (Forst. f.) Hook. f. Fl. Nov. Zel. 1(4) : 257. 1853; Matthew in Rec. Bot. Surv. India 20(1) : 214. 1969. *Dracaena australis* Forst. f. Insul. Austr. Prodr. 24. 1786.

A tree, cultivated.

Dracaena terniflora Roxb. Fl. Ind. 2 : 159. 1824; Hook. f. Fl. Brit. India 6 : 328. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1062. 1957 (repr. ed.). *D. terminalis* Wight, Ic. t. 2054. 1853.

A straggling shrub, especially in wet evergreen forests.

Distrib.: Coimbatore, Kanniyakumari, Tiruchchirappalli, Tirunelveli.

Furcraea foetida (L.) Haw. Suppl. Pl. Succ. 73. 1819. *Agave foetida* L. Sp. Pl. 323. 1753. *Furcraea gigantea* Vent. in Bull. Sci. Soc. Philom. Paris 1 : 65. 1793; Curtis, Bot. Mag. t. 2250. 1821; Fischer in Gamble, Fl. Pres. Madras 3 : 1052. 1957 (repr. ed.).

Tamil: *Seemaikathalai*.

A stout plant from a perennial rhizome; frequently cultivated. E.

Phormium tenax Forst. Char. Gen. 48. 1775; Curtis, Bot. Mag. t. 3199. 1832; Matthew in Rec. Bot. Surv. India 20(1) : 214. 1969.

A robust, perennial plant, cultivated in hill stations. E.

Polianthes tuberosa L. Sp. Pl. 316. 1753.

Tamil: *Nilasampangi*.

An erect herb, cultivated in gardens; flowers white, fragrant.

Sansevieria roxburghiana Schultes & Schultes f. Syst. 7 : 357. ff. 12 D & E. 1829; Hook. f. Fl. Brit. India 6 : 271. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1061. 1957 (repr. ed.). *S. zeylanica* Roxb. Pl. Cor. t. 184. 1805, non (L.) Willd. 1799.

Tamil: *Marul*, *Mottamanjii*.

A fleshy herb.

Distrib.: In most districts. E.

Sansevieria thyriflora Thunb. Prodr. Pl. Cap. 65. 1794.

A stout herb; cultivated.

Yucca gloriosa L. Sp. Pl. 319. 1753; Fischer in Gamble, Fl. Pres. Madras 3 : 1067. 1957 (repr. ed.).

A shrub or small tree, cultivated (Fischer 1957). E.

ALSTROEMERIACEAE

V. CHANDRASEKARAN

Alstroemeria aurantiaca D. Don in Sweet, Brit. Flow. Gard. ser. 2. t. 205. 1829 1838.

A herb.

Bomarea caldasiana Herbert, Amaryllidac. 119. 1837.

A herb, cultivated.

Bomarea oligantha Baker in Gard. Chron. 648. 1877.

A herb, cultivated.

HYPOXIDACEAE

V. CHANDRASEKARAN

Curculigo orchioides Gaertn. Fruct. 1 : 63. t. 16. f. 11. 1788; Hook. f. Fl. Brit. India 6 : 279. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1050. 1957 (repr. ed.). *C. malabarica* Wight, Ic. t. 2043A. 1853.

Tamil: *Nilappanaikizhangu*.

A stemless herb, from sea level to higher altitudes. E.

Curculigo trichocarpa (Wight) Bennet & Raizada in Indian J. For. 4 : 61. 1981. *Hypoxis trichocarpa* Wight, Ic. t. 2045. 1853. *Molineria finlaysoniana* Baker in J. Linn. Soc. Bot. 17 : 121. 1878; Fischer in Gamble, Fl. Pres. Madras

3 : 1049. 1957 (repr. ed.). *Curculigo finlaysoniana* Wall. ex Hook. f. Fl. Brit. India 6 : 279. 1892. *Molineria trichocarpa* (Wight) Balakr. in J. Bombay Nat. Hist. Soc. 63 : 330. 1966.

A herb.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Tiruchchirappalli (RHT), Tirunelveli.

Hypoxis aurea Lour. Fl. Cochin. 1 : 200. 1790; Hook. f. Fl. Brit. India 6 : 277. 1892; Fyson, Fl. South Indian Hill St. 2 : t. 535. 1932; Fischer in Gamble, Fl. Pres. Madras 3 : 1049. 1957 (repr. ed.).

A small herb in hills.

Distrib.: Coimbatore, Madurai (Fischer 1957), Nilgiri. E.

TACCACEAE

V. CHITHRA

Tacca leontopetaloides (L.) Kuntze, Rev. Gen. Pl. 3 : 311. 1893. *Leontice leontopetaloides* L. Sp. Pl. 313. 1753. *Tacca pinnatifida* Forst. Char. Gen. 70. f. 35. 1776; Hook. f. Fl. Brit. India 6 : 287. 1892; Barnes in Bull. Madras Govt. Museum 4(2) : 36. 1938.

A perennial herb, leaves radical; rarely cultivated.

DIOSCOREACEAE

K. RAMAMURTHY

Dioscorea alata L. Sp. Pl. 1033. 1753; Wight, Ic. t. 810. 1844; Hook. f. Fl. Brit. India 6 : 296. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1056. 1957 (repr. ed.). *D. globosa* Roxb. Fl. Ind. 3 : 797. 1832; Wight, Ic. t. 812. 1844; Hook. f. Fl. Brit. India 6 : 296. 1892.

Tamil: *Siruvalli, Mullu-valli*.

A tuberous climber; often under cultivation. E.

Dioscorea bulbifera L. Sp. Pl. 1033. 1753, var. **bulbifera**; Wight, Ic. t. 878. 1844-1845; Fischer in Gamble, Fl. Pres. Madras 3 : 1055. 1957 (repr. ed.). *D. sativa* sensu Hook. f. Fl. Brit. India 6 : 295. 1892, non L. 1753.

Tamil: *Pannukilangu*.

A tuberous climber.

Distrib.: Almost all districts.

Dioscorea bulbifera L. var. **sativa** Prain & Burkill in J. & Proc. Asiat. Soc. Bengal 10 : 26. 1914; Fischer in Gamble, Fl. Pres. Madras 3 : 1055. 1957 (repr. ed.).

A tuberous climber; bulbils edible; cultivated. E.

Dioscorea bulbifera L. var. **vera** Prain & Burkill in J. & Proc. Asiat. Soc. Bengal 10 : 26. 1914; Fischer in Gamble, Fl. Pres. Madras 3 : 1055. 1957 (repr. ed.).

A tuberous climber, cultivated; bulbils large, edible. E.

Dioscorea esculenta (Lour.) Burkill in Gard. Bull. Straits Settlem. 1 : 396. 1917; Fischer in Gamble, Fl. Pres. Madras 3 : 1055. 1957 (repr. ed.). *Oncus esculentus* Lour. Fl. Cochinch. 1 : 194. 1790. *Dioscorea spinosa* Roxb. ex Hook. f. Fl. Brit. India 6 : 291. 1892.

Tamil: *Siruvalli kilangu*.

A twining climber, often under cultivation. A variable species, several varieties are recognised. E.

Dioscorea hamiltonii Hook. f. Fl. Brit. India 6 : 295. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1056. 1957 (repr. ed.).

A tuberous climber.

Distrib.: Nilgiri. E.

Dioscorea hispida Dennst. Schluess. Hort. Ind. Malab. 15. 1818; Fischer in Gamble, Fl. Pres. Madras 3 : 1055.

1957 (repr. ed.). *D. daemona* Roxb. Fl. Ind. 3 : 805. 1832; Wight, Ic. t. 811. 1844; Hook. f. Fl. Brit. India 6 : 289. 1892.

Tamil: *Periperendai*.

A tuberous climber, in lower elevations.

Distrib.: Coimbatore, Madurai, Nilgiri.

Dioscorea kalkapershadii Prain & Burkill in J. & Proc. Asiat. Soc. Bengal 10 : 30. 1914; Fischer in Gamble, Fl. Pres. Madras 3 : 1056. 1957 (repr. ed.).

A tuberous climber; leaflets 5-7.

Distrib.: Salem (CAL).

Dioscorea oppositifolia L. Sp. Pl. 1033. 1753, var. **oppositifolia**; Wight, Ic. t. 813. 1844; Hook. f. Fl. Brit. India 6 : 292. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1056. 1957 (repr. ed.). *D. oppositifolia* L. var. *linnaei* Prain & Burkill in J. & Proc. Asiat. Soc. Bengal 10 : 30. 1914; Fischer in Gamble, Fl. Pres. Madras 3 : 1056. 1957 (repr. ed.).

Tamil: *Kavala-kodi*.

A tuberous climber in lower elevations.

Distrib.: Almost all districts.

Dioscorea oppositifolia L. var. **dukhumensis** Prain & Burkill in J. & Proc. Asiat. Soc. Bengal 10 : 30. 1914; Fischer in Gamble, Fl. Pres. Madras 3 : 1056. 1957 (repr. ed.).

A tuberous climber.

Distrib.: Madurai, Salem.

Dioscorea pentaphylla L. Sp. Pl. 1032. 1753, var. **pentaphylla**; Wight, Ic. t. 814. 1844; Hook. f. Fl. Brit. India 6 : 281. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1056. 1957 (repr. ed.). *D. pentaphylla* L. var. *linnaei* Prain & Burkill in J. & Proc. Asiat. Soc. Bengal 10: 23. 1914; Fischer in Gamble, Fl. Pres. Madras 3 : 1056. 1957 (repr. ed.).

Tamil: *Chedukundi*.

A tuberous climber.

Distrib.: Almost all districts. E.

Dioscorea pentaphylla* L. var. *communis
Prain & Burkill in J. & Proc. Asiat. Soc. Bengal 10 : 23. 1914; Fischer in Gamble, Fl. Pres. Madras 3 : 1056. 1957 (repr. ed.).

A tuberous climber; leaves rusty pubescent.

Distrib.: Coimbatore.

***Dioscorea spicata* Roth, Nov. Pl. Sp. 571. 1821; Hook. f. Fl. Brit. India 6 : 291. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1056. 1957 (repr. ed.).**

A tuberous climber, in hilly regions.

Distrib.: Tirunelveli.

***Dioscorea tomentosa* Koen. ex Spreng. Pl. Min. Cogn. Pug. 2 : 92. 1815; Hook. f. Fl. Brit. India 6 : 289. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1055. 1957 (repr. ed.); Matthew, Ill. Fl. Tamilnadu Carnatic t. 738. 1982.**

Tamil: *Nalveli-kilangu*.

A tuberous climber; leaves white-tomentose.

Distrib.: Most of the districts.

***Dioscorea wallichii* Hook. f. Fl. Brit. India 6 : 295. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1056. 1957 (repr. ed.). *D. aculeata* L. Sp. Pl. 1033. 1753 p.p.; Wight, Ic. t. 2060. 1853; Hook. f. Fl. Brit. India 6 : 296. 1892.**

A tuberous climber; leaves suborbicular, secondary nerves conspicuous.

Distrib.: Coimbatore, Nilgiri.

***Dioscorea wightii* Hook. f. Fl. Brit. India 6 : 291. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1056. 1957 (repr. ed.).**

A tuberous climber; leaves ovate, cordate at base.

Distrib.: Tirunelveli. O.

***Trichopus zeylanicus* Gaertn. subsp. *travancoricus* (Bedd.) Burkill in Steenis, Fl. Males. ser. 1. 4 : 299. 1951. *Trichopodium travancoricum* Bedd. Ic. 68. 1868-1874 (under *T. zeylanicus*). *Trichopus zeylanicus* sensu Hook. f. Fl. Brit. India 6 : 297. 1892 p.p., non Gaertn. 1788; Fischer in Gamble, Fl. Pres. Madras 3 : 1057. 1957 (repr. ed.).**

A perennial herb, several stems arise from the nodose rhizome.

Distrib.: Kanniyakumari, Tirunelveli.

STEMONACEAE

P. BHARGAVAN

***Stemona tuberosa* Lour. Fl. Cochinch. 2 : 490. 1790; Hook. f. Fl. Brit. India 6 : 298. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1058. 1957 (repr. ed.). *Roxburghia gloriosoides* Roxb. Pl. Cor. t. 32. 1795.**

A twining herb; stem woody at base; flowers greenish purple.

Distrib.: Chengalpattu, Salem (Matthew 1981).

LILIACEAE

P. BHARGAVAN

***Aloe vera* (L) Burm. f. Fl. Ind. 83. 1768; Fischer in Gamble, Fl. Pres. Madras 3 : 1062. 1957 (repr. ed.). *A. perfoliata* L. var. *vera* L. Sp. Pl. 320. 1753.**

Tamil: *Chotthu Kathalai*.

A herb; leaves fleshy; mostly in hedges in dry zones.

Distrib.: Almost all districts.

***Asparagus asiaticus* L. Sp. Pl. 409. 1753; Hook. f. Fl. Brit. India 6 : 316.**

1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1060. 1957 (repr. ed.).

A scandent climber.

Distrib.: Nilgiri. **R.**

Asparagus fysonii Macbr. in Contr. Gray Herb. n.s. 56 : 17. 1918; Fyson, Fl. South Indian Hill St. 2 : t. 543. 1932; Fischer in Gamble, Fl. Pres. Madras 3 : 1059. 1957 (repr. ed.). *A. subulatus* Steud. ex Baker in J. Linn. Soc. Bot. 14 : 614. 1875, non Thunb. 1794; Hook. f. Fl. Brit. India 6 : 315. 1892.

A herb; stem erect with straight spines.

Distrib.: Coimbatore (Fischer 1957), Madurai, Nilgiri.

Asparagus gonocladus Baker in J. Linn. Soc. Bot. 14 : 627. 1875; Hook. f. Fl. Brit. India 6 : 318. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1060. 1957 (repr. ed.).

A climber in scrub jungles; leaves spinescent.

Distrib.: Coimbatore, Nilgiri, Tiruchchirappalli.

Asparagus laevissimus Steud. ex Baker in J. Linn. Soc. Bot. 14 : 623. 1875; Hook. f. Fl. Brit. India 6 : 317. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1060. 1957 (repr. ed.).

A climbing shrub at higher elevations.

Distrib.: Nilgiri. **R.**

Asparagus plumosus Baker in J. Linn. Soc. Bot. 14 : 613. 1875; Bailey, Man. Cult. Pl. 216. 1958.

A climber, flowers white; cultivated.

Asparagus racemosus Willd. Sp. Pl. 2 : 152. 1799; Wight, Ic. t. 2056. 1853; Hook. f. Fl. Brit. India 6 : 316. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1060. 1957 (repr. ed.).

Tamil: *Ammaikodi, Kadumulla, Nili-chedi, Thanneer vittan kizhangu.*

A climbing shrub, in deciduous forests in hilly terrain; rootstock stout.

Distrib.: Almost all districts.

Asparagus rottleri Baker in J. Linn. Soc. Bot. 14 : 611. 1875; Hook. f. Fl. Brit. India 6 : 315. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1059. 1957 (repr. ed.).

An unarmed tall shrub; flowers in clusters.

Distrib.: Tiruchchirappalli (RHT). **R.**

Asphodelus tenuifolius Cav. in Anales Ci. Nat. 3 : 46. t. 27. 1801; Hook. f. Fl. Brit. India 6 : 332. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1064. 1957 (repr. ed.). *A. parviflorus* Wight, Ic. t. 2062. 1853.

An annual herb, in moist places.

Distrib.: Coimbatore, Nilgiri. **R.**

Chlorophytum acaule Baker in J. Linn. Soc. Bot. 15 : 327. 1876; Hook. f. Fl. Brit. India 6 : 336. 1892; Mukherjee in Bull. Bot. Soc. Bengal 29 : 81. 1975.

A tuberous herb; leaves linear; pedicels inarticulate.

Distrib.: North Arcot (Mukherjee 1975). **R.**

Chlorophytum arundinaceum Baker in J. Linn. Soc. Bot. 15 : 323. 1876; Hook. f. Fl. Brit. India 6 : 333. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1066. 1957 (repr. ed.).

A tuberous perennial herb.

Distrib.: Nilgiri.

Chlorophytum attenuatum (Wight) Baker in J. Linn. Soc. Bot. 15 : 332. 1876; Hook. f. Fl. Brit. India 6 : 335. 1892; Fischer in Gamble, Fl. Pres. Madras

3 : 1066. 1957 (repr. ed.). *Phalangium attenuatum* Wight, Ic. t. 2037. 1853.

Rhizomatous herb at higher elevations.

Distrib.: Kanniyakumari, Madurai, Nilgiri, Tirunelveli.

Chlorophytum heynei Rottl. ex Baker in J. Linn. Soc. Bot. 15 : 322. 1876; Fischer in Gamble, Fl. Pres. Madras 3 : 1065. 1957 (repr. ed.). *C. heyneanum* Wall. ex Hook. f. Fl. Brit. India 6 : 333. 1892.

An erect herb, in moist shady areas; scape short, stout.

Distrib.: Kanniyakumari, Tirunelveli.

Chlorophytum laxum R. Br. Prodr. 277. 1810; Hook. f. Fl. Brit. India 6 : 336. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1066. 1957 (repr. ed.). *Phalangium parviflorum* (Dalz.) Wight, Ic. t. 2039. 1853. *Chlorophytum parviflorum* Dalz. in Hooker's J. Bot. Kew Gard. Misc. 2 : 141. 1850.

A slender herb; generally in hilly areas; leaves narrow; scape slender.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Tiruchchirappalli, Tirunelveli.

Chlorophytum malabaricum Baker in J. Linn. Soc. Bot. 15 : 331. 1876; Hook. f. Fl. Brit. India 6 : 335. 1892; Fyson, Fl. South Indian Hill St. 2 : t. 544. 1932; Fischer in Gamble, Fl. Pres. Madras 3 : 1066. 1957 (repr. ed.).

A herb in hilly terrains.

Distrib.: Nilgiri.

Chlorophytum nimmonii (Graham) Dalz. in Hooker's J. Bot. Kew Gard. Misc. 2 : 142. 1850; Panigrahi in Kew Bull. 30 : 564. 1975. *Anthericum nimmonii* Graham, Cat. Pl. Bombay 220. 1839. *Chlorophytum orchidastrum* sensu Hook. f. Fl. Brit. India 6 : 336. 1892 p.p., non

Lindl. 1824; Fischer in Gamble, Fl. Pres. Madras 3 : 1066. 1957 (repr. ed.). *Phalangium oligospermum* Wight, Ic. t. 2038. 1853.

A tall herb, in moist shady places.

Distrib.: Coimbatore, Nilgiri, Tiruchchirappalli, Tirunelveli.

Chlorophytum tuberosum (Roxb.) Baker in J. Linn. Soc. Bot. 15 : 332. 1876; Hook. f. Fl. Brit. India 6 : 334. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1066. 1957 (repr. ed.). *Anthericum tuberosum* Roxb. Fl. Ind. 1 : 149. 1832. *Phalangium tuberosum* (Roxb.) Wight, Ic. t. 2036. 1853.

A small tuberous herb, in moist shady places.

Distrib.: Chengalpattu, Coimbatore, Nilgiri, North Arcot, South Arcot, Tiruchchirappalli.

Dianella ensifolia (L.) DC. in Redoute, Liliac. 1. t. 1. 1802; Hook. f. Fl. Brit. India 6 : 337. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1063. 1957 (repr. ed.). *Dracaena ensifolia* L. Mant. Pl. 63. 1767. *Dianella ensata* (Thunb.) Henderson in Taxon 26 : 136. 1977. *Dracaena ensata* Thunb. Diss. Bot. Drac. 4. 1808.

A stout, stoloniferous herb, in evergreen forests.

Distrib.: Kanniyakumari, Madurai, Tirunelveli.

Dipcadi montanum (Dalz.) Baker var. ***madrasicum*** (Barnes & Fischer) Deb & Dasgupta in J. Bombay Nat. Hist. Soc. 75 : 59. 1978. *D. madrasicum* Barnes & Fischer in Kew Bull. 1940 : 301. 1941.

An erect bulbous herb in moist places, appearing after showers.

Distrib.: Chengalpattu, Coimbatore, Tirunelveli.

Disporum leschenaultianum D. Don in Proc. Linn. Soc. London 1 : 45. 1839, var. **leschenaultianum**; Hook. f. Fl. Brit. India 6 : 360. 1892; Fyson, Fl. South Indian Hill St. 2 : t. 546. 1932; Fischer in Gamble, Fl. Pres. Madras 3 : 1063. 1957 (repr. ed.).

An erect herb, in moist places of evergreen forests.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Disporum leschenaultianum D. Don var. **angustifolium** Fischer in Gamble, Fl. Pres. Madras 1522. 1928 & 3 : 1063. 1957 (repr. ed.); Fyson, Fl. South Indian Hill St. 1 : 612. 1932.

An erect herb, in moist places at higher elevations.

Distrib.: Nilgiri.

Eucomis punctata L' Herit. Sert. Angl. 18. t. 19. 1788.

Cultivated in gardens.

Eucomis undulata Ait. Hort. Kew. ed. 1. 1 : 433. 1789; Fyson, Fl. South Indian Hill St. 2 : t. 548. 1932; Matthew in Rec. Bot. Surv. India 20(1) : 210. 1969.

A scapigerous herb from a globose bulb.

Distrib.: Madurai (Matthew 1969).

Gloriosa superba L. Sp. Pl. 305. 1753; Wight, Ic. t. 2047. 1853; Hook. f. Fl. Brit. India 6 : 358. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1061. 1957 (repr. ed.).

Tamil: *Kalappaikkilangu, Kannuvelli*.

A climbing herb, in shady places in deciduous forests and plains.

Distrib.: Most of the districts. E.

Hemerocallis flava L. Sp. Pl. 462. 1753.

A herb cultivated in gardens; "yellow day lily".

Iphigenia indica (L.) A. Gray ex Kunth, Enum. Pl. 4 : 213. 1843; Hook. f. Fl. Brit. India 6 : 357. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1067. 1957 (repr. ed.); Matthew, Ill. Fl. Tamilnadu Carnatic t. 744. 1982. *Melanthium indicum* L. Mant. Pl. 226. 1771.

Tamil: *Neerppanai*.

A small erect herb in moist places.

Distrib.: Chengalpattu, Coimbatore, Madurai, Nilgiri, Ramanathapuram, Salem, Tiruchchirappalli, Tirunelveli.

Kniphofia uvaria (L.) Hook. in Bot. Mag. t. 4816. 1854; Matthew in Rec. Bot. Surv. India 20(1) : 209. 1969. *Aloe uvaria* L. Sp. Pl. 323. 1753.

A perennial, gregarious, acaulescent, stout herb; cultivated.

Lilium trigrinum Ker-Gawl. in Bot. Mag. t. 1237. 1809.

A tall herb; bulbs spherical; leaves sessile; flowers showy, reddish, spotted purple; cultivated.

Lilium wallichianum Schultes & Schultes f. var. **neilgherrense** (Wight) Hara in Ohashi, Fl. East. Himal. 3: 132. 1975. *L. neilgherrense* Wight, Ic. tt. 2031 & 2032. 1853; Hook. f. Fl. Brit. India 6: 350. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1064. 1957 (repr. ed.).

A tall, bulbous leafy herb in evergreen forests.

Distrib.: Madurai, Nilgiri, Ramanathapuram, Tirunelveli.

Scilla hyacinthina (Roth) Macbr. in Contr. Gray Herb. 56: 14. 1918. *Ledebouria hyacinthina* Roth, Nov. Pl. Sp. 195. 1821; Wight, Ic. t. 2040. 1853. *Scilla indica* (Wight) Baker in Saunders, Refug. Bot. 3 (App.) : 12. 1870, non

Roxb. 1832; Hook. f. Fl. Brit. India 6 : 348. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1067. 1957 (repr. ed.). *Barnardia indica* Wight, Ic. t. 2041. 1853.

Tamil: *Narivengayam*.

A scapigerous bulbous herb, in marshy places.

Distrib.: Almost all districts.

Urginea congesta Wight, Ic. t. 2064 (left hand fig.). 1853; Hook. f. Fl. Brit. India 6: 348. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1067. 1957 (repr. ed.).

A bulbous scapigerous herb, in sandy areas.

Distrib.: Chengalpattu.

Urginea indica (Roxb.) Kunth, Enum. Pl. 4: 333. 1843; Wight, Ic. t. 2063. 1853; Hook. f. Fl. Brit. India 6: 347. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1066. 1957 (repr. ed.); Deb & Dasgupta in Bull. Bot. Surv. India 16: 118. 1974. *Scilla indica* Roxb. Fl. Ind. 2: 147. 1832. *Urginea coromandeliana* (Roxb.) Hook. f. Fl. Brit. India 6: 347. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1066. 1957 (repr. ed.). *Scilla coromandeliana* Roxb. Fl. Ind. 2: 148. 1832. *Urginea wightiana* Hook. f. Fl. Brit. India 6: 347. 1892. *U. govindappae* Boraiah & Fatima in Bull. Bot. Surv. India 12: 128. 1970.

A bulbous herb.

Distrib.: Chengalpattu, Coimbatore, Ramanathapuram, Tiruchchirappalli, Tirunelveli.

Urginea polyantha Blatter & McCann in J. Bombay Nat. Hist. Soc. 32: 735. 1928; Deb & Dasgupta in Bull. Bot. Surv. India 16: 122. 1974.

A herb.

Distrib.: Coimbatore (Deb & Dasgupta 1974).

ALLIACEAE

P. BHARGAVAN

Agapanthus africanus (L.) Hoffmgg. Verz. Pfl.-Kult. 35. 1824; Matthew in Rec. Bot. Surv. India 20(1): 211. 1969. *Crinum africanum* L. Sp. Pl. 419. 1753. *Agapanthus umbellatus* L' Herit. Sert. Angl. 18. 1788; Curtis, Bot. Mag. t. 500. 1800.

A scapigerous perennial herb; cultivated. E.

Agapanthus orientalis Leight. var. *albus* Hort. Chitt. Dict. Gard. 62. 1951; Matthew in Rec. Bot. Surv. India 20(1): 212. 1969.

A robust succulent herb; cultivated.

Allium cepa L. Sp. Pl. 300. 1753; Hook. f. Fl. Brit. India 6: 337. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1067. 1957 (repr. ed.).

Tamil: *Vengayam*.

A bulbous biennial herb under cultivation. Bulb edible and used medicinally.

Distrib.: Madurai, Nilgiri. E.

Allium sativum L. Sp. Pl. 296. 1753; Hook. f. Fl. Brit. India 6: 337. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1067. 1957 (repr. ed.).

Tamil: *Vellaipundu*.

A bulbous herb, cultivated for edible bulbs. E.

RUSCACEAE

V. CHITHRA

Ruscus aculeatus L. Sp. Pl. 1041. 1753; Matthew in Rec. Bot. Surv. India 20(1): 210. 1969.

An evergreen, dioecious shrub; true leaves reduced to small scarios scales bearing numerous, ovate, spine-tipped

cladodes in their axils; planted in gardens as a hedge plant.

SMILACACEAE

P. BHARGAVAN

Smilax aspera L. Sp. Pl. 1028. 1753; Hook. f. Fl. Brit. India 6: 306. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1060. 1957 (repr. ed.). *S. maculata* Roxb. Fl. Ind. 3: 796. 1832; Wight, Ic. t. 2059. 1853.

A climbing shrub, in evergreen forests.

Distrib.: Coimbatore, Madurai, Nilgiri.

Smilax perfoliata Lour. Fl. Cochinch. 2: 622. 1790. *S. prolifera* Wall. ex Roxb. Fl. Ind. 3: 795. 1832; Hook. f. Fl. Brit. India 6: 312. 1892; Fyson, Fl. South Indian Hill St. 2: t. 542. 1932; Fischer in Gamble, Fl. Pres. Madras 3: 1061. 1957 (repr. ed.).

A climbing shrub at higher elevations.

Distrib.: Coimbatore, Madurai, Nilgiri, Ramanathapuram, Salem.

Smilax wightii A. DC. Monog. Phan. 1: 174. 1878; Hook. f. Fl. Brit. India 6: 310. 1892; Fyson, Fl. South Indian Hill St. 2: t. 541. 1932; Fischer in Gamble, Fl. Pres. Madras 3: 1061. 1957 (repr. ed.).

A climbing shrub at higher elevations.

Distrib.: Nilgiri.

Smilax zeylanica L. Sp. Pl. 1029. 1753; Hook. f. Fl. Brit. India 6: 309. 1892; Fyson, Fl. South Indian Hill St. 2: t. 539. 1932; Fischer in Gamble, Fl. Pres. Madras 3: 1061. 1957 (repr. ed.).

Tamil: *Kattukodi*.

A prickly climber with variable leaves; in plains and ghats.

Distrib.: Almost all districts.

PONTEDERIACEAE

P. BHARGAVAN

Eichhornia crassipes (Mart.) Solms-Laub. in A. DC. Monog. Phan. 4: 527. 1883; Fischer in Gamble, Fl. Pres. Madras 3: 1069. 1957 (repr. ed.); Matthew, Ill. Fl. Tamilnadu Carnatic t. 747. 1982. *Pontederia crassipes* Mart. Nov. Gen. Sp. 1: 9. t. 4. 1823.

A floating herb.

Distrib.: Almost all districts.

Monochoria hastata (L.) Solms-Laub. in A. DC. Monog. Phan. 4: 523. 1883. *Pontederia hastata* L. Sp. Pl. 288. 1753. *Monochoria hastaeifolia* Presl, Reliq. Haenk. 1: 128. 1827; Hook. f. Fl. Brit. India 6: 362. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1068. 1957 (repr. ed.).

A robust aquatic herb in plains.

Distrib.: Chengalpattu, Coimbatore, Madurai.

Monochoria vaginalis (Burm.f.) Presl, Reliq. Haenk. 1: 128. 1827; Hook. f. Fl. Brit. India 6: 363. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1068. 1957 (repr. ed.) incl. var. *plantaginea* (Roxb.) Solms-Laub. *Pontederia vaginalis* Burm.f. Fl. Ind. 80. 1768.

A small aquatic herb, in fields and puddles.

Distrib.: Most of the districts. E.

XYRIDACEAE

P. BHARGAVAN

Xyris capensis Thunb. var. *schoenoides* (Mart.) Nilsson in Kongl. Vet. Akad. Forh. 3: 154. 1891; Royen in Steenis, Fl. Males. ser. 1. 4: 374. 1953; Matthew, Ill. Fl. Tamilnadu Carnatic t. 749. 1982. *X. schoenoides* Mart. in Wall. Pl. Asiat. Rar. 3: 30. 1832; Hook. f. Fl. Brit. India

6: 365. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1070. 1957 (repr. ed.).

A slender erect herb, in marshy places.

Distrib.: Madurai, Nilgiri, Salem, Tiruchchirappalli (RHT), Tirunelveli.

Xyris pauciflora Willd. Phytogr. 2. t. 1. f. 1. 1794; Hook. f. Fl. Brit. India 6: 365. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1070. 1957 (repr. ed.).

An erect scapigerous herb, in swampy areas.

Distrib.: Chengalpattu, Coimbatore, Madurai, Pudukkottai, Ramanathapuram, Tirunelveli.

COMMELINACEAE

P. BHARGAVAN

Aclisia secundiflora (Blume) Bakh. f. in Backer & Bakh. f. Fl. Java 3: 658. 1968. *Commelina secundiflora* Blume, Enum. Pl. Jav. 1: 5. 1827. *Aclisia indica* Wight, Ic. t. 2068. 1853. *Pollia sorzogonensis* (E. Meyer) Endlicher ex Steud. var. *indica* (Wight) Clarke in A. DC. Monog. Phan. 3: 127. 1881; Hook. f. Fl. Brit. India 6: 368. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1071. 1957 (repr. ed.). *P. secundiflora* (Blume) Bakh. f. in Blumea 6: 399. 1950.

A large herb, in evergreen forests.

Distrib.: Coimbatore, Nilgiri, Tirunelveli (Fischer 1957).

Aneilema montana (Wight) Clarke in A. DC. Monog. Phan. 3: 217. 1881; Hook. f. Fl. Brit. India 6: 381. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1079. 1957 (repr. ed.). *Dictyospermum montanum* Wight, Ic. t. 2069. 1853.

A subscandent herb at low hills.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Tirunelveli.

Aneilema ovalifolia (Wight) Hook. f. ex Clarke in A. DC. Monog. Phan. 3: 218. 1881; Hook. f. Fl. Brit. India 6: 382. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1079. 1957 (repr. ed.). *Dictyospermum ovalifolium* Wight, Ic. t. 2070. 1853.

An erect pubescent herb at higher elevations.

Distrib.: Nilgiri.

Belosynapsis kewensis Hassk. in Flora 54: 259. 1871; Fischer in Gamble, Fl. Pres. Madras 3: 1082. 1957 (repr. ed.). *Cyanotis kewensis* (Hassk.) Clarke in A. DC. Monog. Phan. 3: 243. t. 5. f. 6. 1881; Hook. f. Fl. Brit. India 6: 388. 1892.

An epiphytic or lithophytic slender spreading herb, in deep forests at higher elevations.

Distrib.: Kanniyakumari, Tirunelveli. R.

Belosynapsis vivipara (Dalz.) Fischer in Kew Bull. 1928: 254. 1928 & in Gamble, Fl. Pres. Madras 3: 1082. 1957 (repr. ed.). *Cyanotis vivipara* Dalz. in Hooker's J. Bot. Kew Gard. Misc. 3: 226. 1851; Hook. f. Fl. Brit. India 6: 388. 1892.

A spreading epiphytic herb, in evergreen forests.

Distrib.: Coimbatore (Fischer 1957). R.

Commelina attenuata Koen. ex Vahl, Enum. Pl. 2: 168. 1805; Hook. f. Fl. Brit. India 6: 372. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1074. 1957 (repr. ed.).

A slender spreading herb, from plains to higher elevations.

Distrib.: Almost all districts.

Commelina benghalensis L. Sp. Pl. 41. 1753; Wight, Ic. t. 2065. 1853; Hook. f. Fl. Brit. India 6: 370. 1892; Fischer in

Gamble, Fl. Pres. Madras 3: 1075. 1957 (repr. ed.).

Tamil: *Adutinnathalai, Kanavaazhai*.

A slender creeping fleshy herb.

Distrib.: Almost all districts.

Commelina clavata Clarke, Commelyn. Cyrtandr. Bengal. t. 5. 1874; Hook. f. Fl. Brit. India 6: 371. 1892; Fyson, Fl. South Indian Hill St. 2: t. 551. 1932; Fischer in Gamble, Fl. Pres. Madras 3: 1074. 1957 (repr. ed.).

A spreading herb.

Distrib.: Chengalpattu, Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem, Tiruchchirappalli (RHT), Tirunelveli.

Commelina diffusa Burm. f. Fl. Ind. 18. t. 7. f. 2. 1768. *C. nudiflora* auct. non L. 1753; Hook. f. Fl. Brit. India 6: 369. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1074. 1957 (repr. ed.).

A spreading herb.

Distrib.: Chengalpattu, Coimbatore, Nilgiri.

Commelina ensifolia R. Br. Prodr. 269. 1810; Hook. f. Fl. Brit. India 6: 374. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1075. 1957 (repr. ed.). *C. undulata* var. *setosa* Clarke in A. DC. Monog. Phan. 3: 179. 1881; Hook. f. Fl. Brit. India 6: 373. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1075. 1957 (repr. ed.).

A spreading herb on hills.

Distrib.: Chengalpattu, Coimbatore, Madurai, Nilgiri, North Arcot, Tiruchchirappalli. Tirunelveli.

Commelina erecta L. Sp. Pl. 41. 1753, var. *erecta*. *C. undulata* R. Br. Prodr. 270. 1810; Hook. f. Fl. Brit. India 6: 373. 1892 p.p. *C. kurzii* Clarke in J. Linn. Soc. Bot. 11: 444. 1869; Hook. f. Fl. Brit. India 6: 373. 1892; Fischer

in Gamble, Fl. Pres. Madras 3: 1075. 1957 (repr. ed.).

A spreading herb on hills.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem, South Arcot, Tiruchchirappalli, Tirunelveli.

Commelina erecta L. var. ***glochidea*** (Koen. ex Clarke) Bhargavan comb. nov. *C. kurzii* Clarke var. *glochidea* Koen. ex Clarke in A. DC. Monog. Phan. 3: 185. 1881; Hook. f. Fl. Brit. India 6: 374. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1075. 1957 (repr. ed.).

A spreading herb with elliptic-lanceolate leaves.

Distrib.: Coimbatore. R.

Commelina forskalaei Vahl, Enum. Pl. 2: 172. 1805; Hook. f. Fl. Brit. India 6: 371. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1075. 1957 (repr. ed.).

A diffuse herb in dry places.

Distrib.: Coimbatore, Ramanathapuram, Tirunelveli.

Commelina hasskarlii Clarke, Commelyn. Cyrtandr. Bengal. t. 5. 1874; Hook. f. Fl. Brit. India 6: 370. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1074. 1957 (repr. ed.).

A slender branched herb in low lands.

Distrib.: Chengalpattu. R.

Commelina hirsuta (Wight) Clarke in A. DC. Monog. Phan. 3: 163. 1881; Hook. f. Fl. Brit. India 6: 371. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1074. 1957 (repr. ed.). *Heterocarpus hirsutus* Wight, Ic. t. 2067. 1853.

An erect branched herb, in evergreen forests; flowers yellow.

Distrib.: Madurai, Nilgiri.

Commelina imberbis Ehrenb. ex Hassk. in Schweinf. Beitr. Fl. Aethiop. 206.

1867; R. Rao in *Blumea* 14 : 352. 1966. *C. persicariaefolia* Wight ex Clarke in A.D.C. Monog. Phan. 3 : 171. 1881, non DC. 1816; Hook. f. *Fl. Brit. India* 6 : 372. 1892. *C. jacobii* Fischer in *Kew Bull.* 1928 : 277. 1928 & in Gamble, *Fl. Pres. Madras* 3 : 1075. 1957 (repr. ed.).

A spreading herb.

Distrib.: Chengalpattu, Coimbatore, Ramanathapuram, Tiruchchirappalli.

Commelina indehiscens Barnes in *J. Bombay Nat. Hist. Soc.* 46 : 74. 1946.

A slender spreading herb at higher elevations.

Distrib.: Coimbatore, Madurai, Nilgiri.

Commelina longifolia Lam. *Tabl. Encycl.* 1 : 129. 1791. *C. salicifolia* Roxb. *Fl. Ind.* 1 : 176. 1820; Hook. f. *Fl. Brit. India* 6 : 370. 1892; Fischer in Gamble, *Fl. Pres. Madras* 3 : 1074. 1957 (repr. ed.).

A slender herb in low hills.

Distrib.: Coimbatore, Nilgiri, South Arcot.

Commelina maculata Edgew. in *Trans. Linn. Soc. London* 20: 89. 1846; R. Rao in *Blumea* 14 : 353. 1966. *C. obliqua* sensu Hook. f. *Fl. Brit. India* 6 : 372. 1892 p.p., non Buch.-Ham. ex D. Don 1825. *C. paludosa* Blume var. *viscida* (Clarke) R. Rao & Kammathy in *Bull. Bot. Surv. India* 3 : 168. 1961 (1962). *C. obliqua* var. *viscida* Clarke in A.D.C. Monog. Phan. 3 : 178. 1881.

A herb.

Distrib.: Peninsular India (R. Rao 1966).

Commelina paleata Hassk. in *Miq. Pl. Jungh.* 139. 1852; Hook. f. *Fl. Brit. India* 6 : 372. 1892; Fischer in Gamble, *Fl. Pres. Madras* 3 : 1075. 1957 (repr. ed.).

A spreading herb.

Distrib.: Chengalpattu (Mayuranathan 1929), Coimbatore, Salem, Tiruchchirappalli (RHT).

Commelina paludosa Blume, *Enum. Pl. Jav.* 1 : 2. 1827. *C. obliqua* Buch.-Ham. ex D. Don, *Prodr. Fl. Nep.* 45. 1825, non Vahl 1805; Hook. f. *Fl. Brit. India* 6 : 372. 1892 p.p.; Fischer in Gamble, *Fl. Pres. Madras* 3 : 1075. 1957 (repr. ed.). *C. polyspatha* Wight, *Ic. t.* 2066. 1853.

A spreading branched herb at higher elevations.

Distrib.: Coimbatore, Nilgiri, South Arcot, Tiruchchirappalli (RHT), Tirunelveli.

Commelina subulata Roth, *Nov. Pl. Sp.* 23. 1821; Hook. f. *Fl. Brit. India* 6 : 369. 1892; Fischer in Gamble, *Fl. Pres. Madras* 3 : 1074. 1957 (repr. ed.).

A herb in hills.

Distrib.: Chengalpattu (Mayuranathan 1929), Dharmapuri and Salem (Matthew 1981).

Commelina tricolor Barnes in *J. Bombay Nat. Hist. Soc.* 46: 79. 1949.

A herb.

Distrib.: Nilgiri. R.

Commelina wightii R. Rao in *Bull. Bot. Surv. India* 3: 168. 1961 (1962). *C. glabra* (Wight) Clarke in A. DC. Monog. Phan. 3: 163. 1881, non G.F.W. Meyer 1818; Hook. f. *Fl. Brit. India* 6: 371. 1892. *Heterocarpus glaber* Wight, *Ic. t.* 2067. 1853.

A spreading herb with yellowish flowers.

Distrib.: Coimbatore, Tiruchchirappalli.

Cyanotis adscendens Dalz. in *Hooker's J. Bot. Kew Gard. Misc.* 4 : 343. 1852. *C. tuberosa* (Roxb.) Schultes &

Schultes f. var. *adscendens* (Dalz.) Clarke in A.D.C. Monog. Phan. 3: 249. 1881; Hook. f. Fl. Brit. India 6: 386. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1081. 1957 (repr. ed.). *C. sarmentosa* Wight, Ic. t. 2087. 1853.

A slender, glabrous herb.

Distrib.: Coimbatore, Madurai, Salem.

Cyanotis arachnoidea Clarke in A.D.C. Monog. Phan. 3: 250. 1881, var. **arachnoidea**; Hook. f. Fl. Brit. India 6: 386. 1892 p.p.; Fyson, Fl. South Indian Hil St 2: t. 556. 1932; Fischer in Gamble, Fl. Pres. Madras 3: 1081. 1957 (repr. ed.).

A prostrate densely villous herb at higher elevations.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Ramanathapuram, Salem, Tiruchchirappalli, Tirunelveli.

Cyanotis arachnoidea Clarke var. **thwaitesii** (Hassk.) R. Rao & Kammathy in Notes Roy. Bot. Gard. Edinburgh 25: 186. 1964. *C. thwaitesii* Hassk. Commelin. Ind. 136. 1870. *C. fasciculata* (Heyne ex Roth) Roem. & Schultes var. *thwaitesii* (Hassk.) Clarke in A.D.C. Monog. Phan. 3: 254. 1881; Hook. f. Fl. Brit. India 6: 388. 1892.

A slender spreading herb with purple flowers.

Distrib.: Coimbatore, Tirunelveli.

Cyanotis arcotensis R. Rao in Blumea 14: 345. 1966. *C. papilionacea* auct. non (L.) Schultes & Schultes f. 1830; Wight, Ic. t. 2089. 1853; Hook. f. Fl. Brit. India 6: 384. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1081. 1957 (repr. ed.), omnes p.p.

An annual hirsute slender herb, in forest areas.

Distrib.: Chengalpattu, North Arcot, Ramanathapuram, Thanjavur, Tirunelveli.

Cyanotis burmanniana Wight, Ic. t. 2089. 1853. *C. papilionacea* (L.) Schultes & Schultes f. var. *burmanniana* (Wight) Clarke in A.D.C. Monog. Phan. 3: 246. 1881; Hook. f. Fl. Brit. India 6: 385. 1892.

A slender herb.

Distrib.: Coimbatore. R.

Cyanotis cerifolia R. Rao & Kammathy in J. Linn. Soc. Bot. 59: 306. f. 6. 1966; Karthik. & Sharma in J. Bombay Nat. Hist. Soc. 80: 76. 1983.

A herb.

Distrib.: Tamilnadu (Karthik. & Sharma 1983).

Cyanotis concanensis Hassk. Commelin. Ind. 114. 1870. *C. tuberosa* sensu Hook. f. Fl. Brit. India 6: 386. 1892, non Schultes & Schultes f. 1830. *C. sahyadrica* Blatter in J. Bombay Nat. Hist. Soc. 33: 77. 1928.

A large fleshy, pubescent herb, in ever-green forests.

Distrib.: Nilgiri. R.

Cyanotis cristata (L.) D. Don, Prodr. Fl. Nep. 46. 1825; Wight, Ic. t. 2082. 1853; Hook. f. Fl. Brit. India 6: 385. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1081. 1957 (repr. ed.). *Commelina cristata* L. Sp. Pl. 42. 1753.

A fleshy herb.

Distrib.: Almost all districts

Cyanotis fasciculata (Heyne ex Roth) Schultes & Schultes f. Syst. 7: 1152. 1830; Wight, Ic. t. 2086. 1853 p.p.; Hook. f. Fl. Brit. India 6: 387. 1892; Fischer in Gamble, Fl. Pres. Madras 3. 1082. 1957 (repr. ed.). *Tradescantia fasciculata* Heyne ex Roth, Nov. Pl. Sp. 189. 1821.

A slender spreading herb with silky white hairs, from low hill to high elevations.

Distrib.: Chengalpattu, Coimbatore, Madurai, Nilgiri, North Arcot, Ramanathapuram, Salem, South Arcot.

Cyanotis obtusa Trimen, Handb. Fl. Ceylon 4: 312. t. 94. 1898; R. Rao in Blumea 14: 349. 1966. *C. arachnoidea* sensu Hook. f. Fl. Brit. India 6: 386. 1892 p.p., non Clarke 1881.

A perennial robust herb, in rocky crevices along exposed grassy hill tops

Distrib.: "Peninsular India" (R. Rao 1966).

Cyanotis papilionacea (L.) Schultes & Schultes f. Syst. 7: 1151. 1830; Hook. f. Fl. Brit. India 6: 384. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1081. 1957 (repr. ed.). *Tradescantia papilionacea* L. Mant. Pl. 513. 1771.

A slender decumbent herb with blue flowers.

Distrib.: Chengalpattu, Coimbatore, Ramanathapuram, Thanjavur, Tirunelveli.

Cyanotis pilosa Schultes & Schultes f. Syst. 7: 1155. 1830; Hook. f. Fl. Brit. India 6: 387. 1892; Fyson, Fl. South Indian Hill St. 2: t. 555. 1932; Fischer in Gamble, Fl. Pres. Madras 3: 1081. 1957 (repr. ed.).

A decumbent herb with long spreading hairs.

Distrib.: Madurai, Nilgiri, Salem, Tirunelveli.

Cyanotis tuberosa (Roxb.) Schultes & Schultes f. Syst. 7: 1153. 1830; Hook. f. Fl. Brit. India 6: 386. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1081. 1957 (repr. ed.). *Tradescantia tuberosa* Roxb. Pl. Cor. t. 108. 1799.

A spreading herb.

Distrib.: Chengalpattu (Barnes 1938), Coimbatore, Madurai, Nilgiri, North Arcot, Salem, Tirunelveli.

Cyanotis villosa (Spreng.) Schultes & Schultes f. Syst. 7: 1155. 1830; Hook. f. Fl. Brit. India 6: 387. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1081. 1957 (repr. ed.). *Tradescantia villosa* Spreng. Syst. Veg. 2: 116. 1825. *Cyanotis lanceolata* Wight, Ic. t. 2085. 1853.

A fleshy herb with deep purple stem and leaves.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem, Tiruchchirappalli, Tirunelveli.

Cyanotis wightii Clarke in A. DC. Monog. Phan. 3: 250. 1881; Hook. f. Fl. Brit. India 6: 386. 1892. *C. pilosa* sensu Fischer in Gamble, Fl. Pres. Madras 3: 1081. 1957 (repr. ed.) p.p., non Schultes & Schultes f. 1830.

A spreading herb.

Distrib.: Madurai, Nilgiri. R.

Dictyospermum scaberrimum (Blume) Morton ex Hara et al. Enum. Fl. Pl. Nepal 1: 82. 1982. *Commelina scaberrima* Blume, Enum. Pl. Jav. 1: 4. 1827. *Aneilema scaberrimum* (Blume) Kunth, Enum. Pl. 4: 69. 1843; Hook. f. Fl. Brit. India 6: 382. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1079. 1957 (repr. ed.). *Dictyospermum protensum* Wight, Ic. t. 2071. 1853

An erect slender herb from low hills to higher elevations.

Distrib.: Nilgiri.

Floscopa scandens Lour. Fl. Cochinch. 1: 193. 1790; Hook. f. Fl. Brit. India 6: 390. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1083. 1957 (repr. ed.). *Dithyrocarpus rothii* Wight, Ic. t. 208. 1839.

A subscandent herb; filaments purplish, prominent.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri.

Murdannia dimorpha (Dalz.) Brueckner in Engler & Prantl, Pflanzenf. ed. 2. 15 a: 173. 1930. *Aneilema dimorphum* Dalz. in Hooker's J. Bot. Kew Gard. Misc. 3: 138. 1851; Hook. f. Fl. Brit. India 6: 377. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1078. 1957 (repr. ed.). *A. paniculata* Wight, Ic. t. 2075. 1853.

An erect herb.

Distrib.: Coimbatore, Tiruchchirappalli, Tirunelveli.

Murdannia edulis (Stokes) Faden in Taxon 29: 77. 1980. *Commelina edulis* Stokes, Bot. Materia Med. 1: 184. 1812. *Aneilema scapiflorum* (Roxb.) Kostel. in Alleg. Med. -Pharm. Fl. 1: 127. 1831; Wight, Ic. t. 2073. 1853; Hook. f. Fl. Brit. India 6: 375. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1078. 1957 (repr. ed.). *Commelina scapiflora* Roxb. Fl. Ind. 1: 178. 1820. *Murdannia scapiflora* (Roxb.) Royle, Ill. 403. t. 95. 1840.

An erect herb; leaves radical, linear-ensiform.

Distrib.: Tiruchchirappalli, Tirunelveli.

Murdannia esculenta (Wall. ex Clarke) Raizada ex R.Rao & Kammathy in Bull. Bot. Surv. India 3: 394. 1961 (1962). *Aneilema esculenta* Wall. ex Clarke in A. DC. Monog. Phan. 3: 206. 1881; Hook. f. Fl. Brit. India 6: 377. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1078. 1957 (repr. ed.). *A. pulneyense* Fyson in Kew Bull. 1914: 337. 1914 & Fl. Nilgiri & Pulney Hill-tops 2: t. 267. 1915.

A tuberous herb.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Ramanathapuram, Tiruchchirappalli, Tirunelveli.

Murdannia gigantea (Vahl) Brueckner in Engler & Prantl, Pflanzenf. ed. 2.

15a: 173. 1930. *Commelina gigantea* Vahl, Enum. Pl. 2: 177. 1805. *Aneilema gigantea* (Vahl) R. Br. Prodr. 271. 1810; Hook. f. Fl. Brit. India 6: 379. 1892 p.p.; Fischer in Gamble, Fl. Pres. Madras 3: 1079. 1957 (repr. ed.). *A. ensifolia* Wight, Ic. t. 2074. 1853.

A large herb.

Distrib.: Tirunelveli.

Murdannia glauca (Thw. ex Clarke) Brueckner in Engler & Prantl, Pflanzenf. ed. 2. 15 a: 173. 1930. *Aneilema glaucum* Thw. ex Clarke in A. DC. Monog. Phan. 3: 200. 1881; Hook. f. Fl. Brit. India 6: 375. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1078. 1957 (repr. ed.).

A herb in shady places; leaves broad; scape erect.

Distrib.: Tirunelveli. R.

Murdannia japonica (Thunb.) Faden in Taxon 26: 142. 1977. *Commelina japonica* Thunb. in Trans. Linn. Soc. London 2: 332. 1794. *Aneilema lineolatum* Kunth, Enum. Pl. 4: 69. 1843; Hook. f. Fl. Brit. India 6: 376. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1078. 1957 (repr. ed.). *A. latifolium* Wight, Ic. t. 2072. 1853. *Murdannia elata* (Vahl) Brueckner in Engler & Prantl, Pflanzenf. ed. 2. 15a: 173. 1930. *Commelina elata* Vahl, Enum. Pl. 2: 178. 1805.

A tuberous herb, in forest areas.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Murdannia juncooides (Wight) R.Rao & Kammathy in Bull. Bot. Surv. India 6: 3. 1964 (1965). *Dichaespermum juncooides* Wight, Ic. t. 2078. f. 2. 1853. *Aneilema paniculatum* Wall. ex Clarke in A. DC. Monog. Phan. 3: 215 1881, non Wight 1853; Hook. f. Fl. Brit. India 6: 381. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1079. 1957 (repr. ed.), omnes p.p.

A tufted erect perennial herb; leaf-sheaths crowded below forming thick subterranean persistent bulbous base.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Tirunelveli.

Murdannia lanceolata (Wight) Kamma-
thy in Bull. Bot. Surv. India 24: 206.
1982 (1983). *Dichaespermum lanceolatum*
Wight, Ic. t. 2078. f. 1. 1853. *Aneilema*
koenigii Wall. ex Clarke in A. DC.
Monog. Phan. 3: 215. 1881; Hook. f. Fl.
Brit. India 6: 381. 1892; Fischer in
Gamble, Fl. Pres. Madras 3: 1079. 1957
(repr. ed.). *Murdannia koenigii* (Wall.
ex Clarke) Brueckner in Engler & Prantl,
Pflanzenf. ed. 2. 15a: 173. 1930.

A much-branched glabrous herb.

Distrib.: Chengalpattu, Tirunelveli. +.

Murdannia lanuginosa (Wall. ex Clarke)
Brueckner in Engler & Prantl, Pflanzenf.
ed. 2. 15a: 173. 1930. *Aneilema lanuginosa*
Wall. ex Clarke, Commelin. Cyrtandr.
Bengal 214. 1874; Hook. f. Fl. Brit. India
6: 380. 1892; Fischer in Gamble, Fl.
Pres. Madras 3: 1079. 1957 (repr. ed.).

A tuberous slender herb, on grassy
slopes at higher elevations.

Distrib.: Nilgiri.

Murdannia loriformis (Hassk.) R. Rao &
Kammathy in Bull. Bot. Surv. India 3:
393. 1961 (1962). *Aneilema loriformis*
Hassk. in Miq. Pl. Jungh. 143. 1852.
A. nudiflorum R. Br. var. *terminalis*
(Wight) Clarke in A. DC. Monog. Phan.
3: 211. 1881; Hook. f. Fl. Brit. India
6: 379. 1892; Fischer in Gamble, Fl.
Pres. Madras 3: 1078. 1957 (repr. ed.).
A. terminale Wight, Ic. t. 2076. 1853.

A robust herb.

Distrib.: Coimbatore, Kanniyakumari,
Madurai, Tirunelveli.

Murdannia nudiflora (L.) Brenan in
Kew Bull. 7: 189. 1952. *Commelina*

nudiflora L. Sp. Pl. 41. 1753. *Aneilema*
nudiflorum (L.) R. Br. Prodr. 271. 1810;
Hook. f. Fl. Brit. India 6: 378. 1892;
Fischer in Gamble, Fl. Pres. Madras 3:
1078. 1957 (repr. ed.).

A diffuse slender herb from plain to
hilly regions.

Distrib.: Chengalpattu, Coimbatore,
South Arcot, Tiruchchirappalli.

Murdannia pauciflora Brueckner in
Engler & Prantl, Pflanzenf. ed. 2. 15a:
173. 1930. *Aneilema pauciflorum* Wight,
Ic. t. 2077. 1853, non Dalz. 1851; Hook.
f. Fl. Brit. India 6: 378. 1892; Fischer in
Gamble, Fl. Pres. Madras 3: 1078. 1957
(repr. ed.). *Murdannia wightii* R. Rao &
Kammathy in Notes Roy. Bot. Gard.
Edinburgh 25: 184. 1964.

A slender diffuse creeping herb, from
plains to higher elevations.

Distrib.: Coimbatore, Nilgiri.

Murdannia semiteres (Dalz.) Sant. in
Poona Agri. Coll. Mag. 41: 284. 1951.
Aneilema semiteres Dalz. in Hooker's J.
Bot. Kew Gard. Misc. 3: 138. 1851.
A. paniculatum Wall. ex Clarke in A. DC.
Monog. Phan. 3: 215. 1881, non Wight
1853; Hook. f. Fl. Brit. India 6: 381.
1892; Fischer in Gamble, Fl. Pres. Madras
3: 1079. 1957 (repr. ed.), omnes p.p.

A gregarious annual, spreading on bare
hill tops on the onset of monsoon.

Distrib.: Coimbatore, Kanniyakumari,
Madurai, Tirunelveli.

Murdannia simplex (Vahl) Brenan in Kew
Bull. 7: 186. 1952; R. Rao & Kammathy
in J. Bombay Nat. Hist. Soc. 59: 66.
1962. *Commelina simplex* Vahl, Enum.
Pl. 2: 177. 1805. *Aneilema sinicum*
Ker-Gawl. in Bot. Reg. 8: t. 659. 1822;
Hook. f. Fl. Brit. India 6: 379. 1892;
Fischer in Gamble, Fl. Pres. Madras
3: 1078. 1957 (repr. ed.). *A. secundum*
Wight, Ic. t. 2075. 1853.

A diffuse branched, tuberous herb, in evergreen forests.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri.

Murdannia spirata (L.) Brueckner in Engler & Prantl, Pflanzenf. ed. 2 15a: 173. 1930. *Commelina spirata* L. Mant. Pl. 176. 1771. *Aneilema spiratum* (L.) R. Br. Prodr. 271. 1810; Hook. f. Fl. Brit. India 6: 377. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1078. 1957 (repr. ed.).

A prostrate herb, from sea level to higher elevations.

Distrib.: Chengalpattu, Madurai, Nilgiri, Pudukkottai (RHT), South Arcot, Thanjavur, Tiruchchirappalli, Tirunelveli.

Murdannia vaginata (L.) Brueckner in Engler & Prantl, Pflanzenf. ed. 2. 15a: 173 1930. *Commelina vaginata* L. Mant. Pl. 177. 1771. *Aneilema vaginatum* (L.) R. Br. Prodr. 271. 1810; Wight, Ic. t. 2076. 1853; Hook. f. Fl. Brit. India 6: 381. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1079. 1957 (repr. ed.).

A slender herb, on sea shores and in low lying areas.

Distrib.: Chengalpattu.

Murdannia zeylanica (Clarke) Brueckner var. *longiscapa* (Clarke) R. Rao & Kammathy in Bull. Bot. Surv. India 3: 394. 1961 (1962). *Aneilema zeylanica* Clarke var. *longiscapa* Clarke in A.D.C. Monog. Phan. 3: 204. 1881; Hook. f. Fl. Brit. India 6: 376. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1078. 1957 (repr. ed.).

A slender herb.

Distrib.: Kanniyakumari, Madurai, Nilgiri, Tirunelveli.

Rhoeo discolor Hance in Walp. Ann. 3: 660. 1853.

A short-stemmed low herb, cultivated.

Tonningia axillaris (L.) Kuntze, Rev. Gen. Pl. 2: 721. 1891. *Commelina axillaris* L. Sp. Pl. 42. 1753. *Cyanotis axillaris* (L.) Schultes & Schultes f. Syst. 7: 1154. 1830; Hook. f. Fl. Brit. India 6: 388. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1082. 1957 (repr. ed.). *Amischophacelus axillaris* (L.) R. Rao & Kammathy in J. Linn. Soc. Bot. 59: 306. 1966; Matthew, Ill. Fl. Tamilnadu Carnatic t. 750. 1982.

Tamil: *Vazhukai pul.*

A slender decumbent herb in low lands.

Distrib.: Almost all districts.

Tonningia cucullata (Roth) Kuntze, Rev. Gen. Pl. 2 : 722. 1891. *Tradescantia cucullata* Roth, Nov. Pl. Sp. 189. 1821. *Cyanotis cucullata* (Roth) Kunth, Enum. Pl. 4 : 107. 1843; Hook. f. Fl. Brit. India 6 : 389. 1892; Fischer in Gamble, Fl. Pres. Madras 3 : 1082. 1957 (repr. ed.). *Amischophacelus cucullata* (Roth) R. Rao & Kammathy in J. Linn. Soc. Bot. 59 : 306. 1966.

A prostrate slender herb in plains.

Distrib.: Coimbatore, North Arcot, Tiruchchirappalli.

Zebrina pendula Schnitzl. in Bot. Zeitung (Berlin) 7 : 870. 1849; Matthew, Fl. Tamilnadu Carnatic 3 : 1667. 1983.

A decumbent branched herb: cultivated.

FLAGELLARIACEAE

A. N. HENRY & M. S. SWAMINATHAN

Flagellaria indica L. Sp. Pl. 333. 1753; Hook. f. Fl. Brit. India 6: 391. 1892; Henry & Swamin. in Indian J. For. 3: 140. 1980.

Tamil: *Sooralvalli.*

A climbing shrub along backwaters.

Distrib.: Kanniyakumari. R.

JUNCACEAE

P. BHARGAVAN

Juncus bufonius L. Sp. Pl. 466. 1753; Hook. f. Fl. Brit. India 6: 392. 1892; Fyson, Fl. South Indian Hill St. 2: t. 599. 1932; Fischer in Gamble, Fl. Pres. Madras 3: 1084. 1957 (repr. ed.).

An erect tufted perennial marshy herb, from plains to higher elevations.

Distrib.: Nilgiri. R.

Juncus effusus L. Sp. Pl. 326. 1753; Hook. f. Fl. Brit. India 6: 392. 1892; Shetty & Vivek. in Bull. Bot. Surv. India 14: 19. 1972 (1975).

A tufted marshy herb.

Distrib.: Madurai, Nilgiri.

Juncus inflexus L. Sp. Pl. 326. 1753. *J. glaucus* Ehrh. ex Sibth. Fl. Oxon. 113. 1794; Hook. f. Fl. Brit. India 6: 393. 1892; Fyson, Fl. South Indian Hill St. 2: 557. 1932; Fischer in Gamble, Fl. Pres. Madras 3: 1084. 1957 (repr. ed.).

An erect herb in marshy places, at higher elevations.

Distrib.: Madurai, Nilgiri.

Juncus prismatocarpus R. Br. Prodr. 259. 1810; Hook. f. Fl. Brit. India 6: 395. 1892 p.p.; Fyson, Fl. South Indian Hill St. 2: t. 558. 1932; Fischer in Gamble, Fl. Pres. Madras 3: 1084. 1957 (repr. ed.).

A tufted herb in water-logged areas.

Distrib.: Coimbatore, Madurai, Nilgiri, Ramanathapuram, Salem, Tiruchchirappalli, Tirunelveli.

Luzula campestris (L.) DC. Fl. Fr. 3: 161. 1805; Hook. f. Fl. Brit. India 6: 401. 1892 p.p.; Fischer in Gamble, Fl. Pres. Madras 3: 1084. 1957 (repr. ed.). *Juncus campestris* L. Sp. Pl. 329. 1753.

An erect perennial hairy herb at higher elevations; extremely polymorphous.

Distrib.: Coimbatore (Hook. f. 1892), Madurai, Nilgiri.

ARECACEAE

P. BHARGAVAN

Areca catechu L. Sp. Pl. 1189. 1753; Roxb. Pl. Cor. t. 75. 1796; Beccari & Hook. f. in Hook. f. Fl. Brit. India 6: 405. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1085. 1957 (repr. ed.).

Tamil: *Pakku*.

A palm 10-15 m tall, in lesser elevation and plains, commonly under cultivation.

Arenga wightii Griff. in Calcutta J. Nat. Hist. 5: 475. 1845; Beccari & Hook. f. in Hook. f. Fl. Brit. India 6: 422. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1087. 1957 (repr. ed.).

Tamil: *Alam panei*, *Kattuthengai*.

A palm about 5 m tall with subglobose female flowers; at higher elevations.

Distrib.: Nilgiri, Tirunelveli.

Bentinckia condapanna Berry ex Roxb. Fl. Ind. 3: 621. 1832; Beccari & Hook. f. in Hook. f. Fl. Brit. India 6: 418. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1085. 1957 (repr. ed.).

A slender tall palm, at higher elevations.

Distrib.: Kanniyakumari, Madurai, Tirunelveli.

Borassus flabellifer L. Sp. Pl. 1187. 1753; Beccari & Hook. f. in Hook. f. Fl. Brit. India 6: 482. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1090. 1957 (repr. ed.). *B. flabelliformis* Murr. Syst. Veg. ed. 13 827. 1774; Roxb. Pl. Cor. tt.71 & 72. 1796.

Tamil: *Pandai*.

A tall palm, generally in dry areas. E.

Distrib.: Almost all districts.

Calamus brandisii Beccari ex Beccari & Hook. f. in Hook. f. Fl. Brit. India 6:

448. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1093. 1957 (repr. ed.).

A slender scandent shrub, in evergreen forests.

Distrib.: Kanniyakumari, Tirunelveli.

Calamus delessertianus Beccari in Ann. Roy. Bot. Gard. (Calcutta) 11: 276. 1908; Karthik. & Sharma in J. Bombay Nat. Hist. Soc. 80: 76. 1983.

A moderate-sized scandent shrub.

Distrib.: S. Peninsular India (Karthik. & Sharma 1983).

Calamus gamblei Beccari ex Beccari & Hook. f. in Hook. f. Fl. Brit. India 6: 453. 1893, var. **gamblei**; Fischer in Gamble, Fl. Pres. Madras 3: 1093. 1957 (repr. ed.).

Tamil: *Othaiyadi perambu*.

A moderate-sized shrub, probably scandent.

Distrib.: Coimbatore, Madurai, Nilgiri.

Calamus gamblei Beccari ex Beccari & Hook. f. var. **sphaerocarpa** Beccari ex Fischer in Gamble, Fl. Pres. Madras 1568. 1931 & 3: 1094. 1957 (repr. ed.).

A scandent shrub; fruits spherical.

Distrib.: Nilgiri (Fischer 1931).

Calamus huegelianus Mart. Hist. Nat. Palm. 3: t. Z(xii). f.3. 1849 & 338. 1853; Beccari & Hook. f. in Hook. f. Fl. Brit. India 6: 452. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1094. 1957 (repr. ed.).

A moderate-sized climber, in evergreen forests.

Distrib.: Nilgiri, Tirunelveli.

Calamus pseudo-tenuis Beccari ex Beccari & Hook. f. in Hook. f. Fl. Brit. India 6: 445. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1093. 1957 (repr. ed.).

A slender climber, in evergreen forests.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Tirunelveli.

Calamus rheedii Griff. in Calcutta J. Nat. Hist. 5: 73. 1845; Beccari & Hook. f. in Hook. f. Fl. Brit. India 6: 452. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1093. 1957 (repr. ed.).

A scandent shrub at higher elevations.

Distrib.: Tirunelveli (Fischer 1957).

Calamus rotang L. Sp. Pl. 325. 1753; Beccari & Hook. f. in Hook. f. Fl. Brit. India 6: 447. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1094. 1957 (repr. ed.).

Tamil: *Churel, Sothu perambu*.

A tall slender climber, from plains to higher elevations.

Distrib.: Almost all districts. E.

Calamus travancoricus Bedd. ex Beccari & Hook. f. in Hook. f. Fl. Brit. India 6: 452. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1093. 1957 (repr. ed.).

A very slender climber, at higher elevations.

Distrib.: Tirunelveli (Fischer 1957).

Caryota urens L. Sp. Pl. 1189. 1753; Beccari & Hook. f. in Hook. f. Fl. Brit. India 6: 422. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1089. 1957 (repr. ed.).

Tamil: *Koonthalpanai, Thippilipanei*.

A palm about 15-20 m tall, in all districts, sometimes cultivated. E.

Cocos nucifera L. Sp. Pl. 1188. 1753; Hook. f. Fl. Brit. India 6: 482. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1086. 1957 (repr. ed.).

Tamil: *Thennei*.

A tall stout palm, in plains and along coastal regions, cultivated. E.

Corypha umbraculifera L. Sp. Pl. 1127. 1753; Hook. f. Fl. Brit. India 6: 428. 1898; Fischer in Gamble, Fl. Pres. Madras 3: 1089. 1957 (repr. ed.).

A hapaxanthic tree, mostly planted; "Talipot palm"

Livistona chinensis (Jacq.) R. Br. Prodr. 268. 1810; Mayuranathan in Bull. Madras Govt. Museum n.s. 2: 297. 1929. *Catania chinensis* Jacq. Frag. 16. t. 2. f. 1. 1800.

A tree, occasionally cultivated in gardens as an ornamental.

Livistona rotundifolia (Lam.) Mart. Hist. Nat. Palm. 1: t. 102. 1831 & 3: 241. 1849; Matthew in Rec. Bot. Surv. India 20(1): 217. 1969. *Corypha rotundifolia* Lam. Encycl. 2: 131. 1796

A stout tree with ringed trunks, cultivated.

Phoenix loureirii Kunth, Enum. Pl. 3: 257. 1841. *P. humilis* Royle var. *pedunculata* Beccari, Malesia 3: 379 & 387. t. 44. ff. 13-15, 18-21, 25-27. 1890; Beccari & Hook. f. in Hook. f. Fl. Brit. India 6: 427. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1088. 1957 (repr. ed.).

Tamil: *Malai eecham*.

A small tree or low shrub; fruits edible.

Distrib.: In all hilly districts. E.

Phoenix pusilla Gaertn. Fruct. 1: 24. t. 9. 1788. *P. farinifera* Roxb. Pl. Cor. t. 74. 1796; Beccari & Hook. f. in Hook. f. Fl. Brit. India 6: 424. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1088. 1957 (repr. ed.).

Tamil: *Ithi*.

A small shrub in plains.

Distrib.: Chengalpattu, Coimbatore, Ramanathapuram, Salem, South Arcot, Thanjavur, Tiruchchirappalli, Tirunelveli. E.

Phoenix rupicola T. And. in J. Linn. Soc. Bot. 11: 13. 1871; Beccari & Hook. f. in Hook. f. Fl. Brit. India 6: 425. 1892; Matthew in Rec. Bot. Surv. India 20(1): 215. 1969.

A dioecious, slender palm, cultivated.

Phoenix sylvestris (L.) Roxb. Fl. Ind. 3: 787. 1832; Beccari & Hook. f. in Hook. f. Fl. Brit. India 6: 425. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1088. 1957 (repr. ed.). *Elate sylvestris* L. Sp. Pl. 1189. 1753.

Tamil: *Icham*.

A tree about 7 m tall, in plains.

Distrib.: Chengalpattu, Thanjavur, Tiruchchirappalli.

Pinanga dicksonii (Roxb.) Blume, Rumph. 2: 85. 1837-1838; Beccari & Hook. f. in Hook. f. Fl. Brit. India 6: 409. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1086. 1957 (repr. ed.). *Areca dicksonii* Roxb. Fl. Ind. 3: 616. 1832.

A slender tree about 7m, at higher elevations.

Distrib.: Nilgiri, Tirunelveli.

Rhapis excelsa (Thunb.) A. Henry ex Rehder in J. Arnold Arbor. 11: 153. 1930. *R. flabelliformis* L' Herit. ex Ait. Hort. Kew. ed. 1. 3: 473. 1789, nom. illeg.

An evergreen palm up to 3.5 m tall with semicircular shiny leaves; grown for ornament. E.

Roystonea regia (Kunth) O.F. Cook in Science ser. 2. 12: 479. 1900. *Oreodoxa regia* Kunth in H.B.K. Nov. Gen. Sp. 1: 244. 1816.

A tall, stout, monoecious palm; stem generally more or less thickened at the middle, leaves very large; the Royal Palm, cultivated E.

Sabal mauritiiformis (Karsten) Griseb. & Wendl. in Griseb. Fl. Brit. W.I. 514.

1864; Matthew in Rec. Bot. Surv. India 20(1): 217. 1969. *Trithrinax mauritii-formis* Karsten in Flora 28: 244. 1856.

A tree, cultivated, "Trinidad Palm, Savannah Palm".

Trachycarpus fortunei (Hook.) Wendl. in Bull. Soc. Bot. France 8: 429. 1861; Matthew in Rec. Bot. Surv. India 20(1): 216. 1969. *Chamaerops fortunei* Hook. in Bot. Mag. t. 5221. 1860. *Trachycarpus excelsa* Wendl. in Bull. Soc. Bot. France 8: 429. 1861; Beccari & Hook. f. in Hook. f. Fl. Brit. India 6: 436. 1892.

A slender tree, "Windmil Palm"; cultivated.

Washingtonia robusta Wendl. in Berl. Gaertnzeitung 2: 198. 1883; Matthew in Rec. Bot. Surv. India 20(1): 216. 1969.

A stout tree about 15 m tall, cultivated in gardens, "Desert Palm, Fan Palm".

PANDANACEAE

P. BHARGAVAN

Pandanus canaranus Warb. in Engler, Pflanzenr. 4(9): 75. f. 21E. 1900; Fischer in Gamble, Fl. Pres. Madras 3: 1095. 1957 (repr. ed.).

A tree.

Distrib.: Tamilnadu Carnatic (Stone 1983).

Pandanus fascicularis Lam. Encycl. 1: 372. 1785; Hook. f. Fl. Brit. India 6: 485. 1893. *P. odoratissimus* L. f. Suppl. Pl. 424. 1781, nom. illeg. *P. tectorius* sensu Fischer in Gamble, Fl. Pres. Madras 3: 1095. 1957 (repr. ed.), non Soland. ex Parkinson 1774.

Tamil: *Tazhai*.

A branched shrub or small tree, at low elevations and in plains.

Distrib.: Almost all districts.

Pandanus kaida Kurz in J. Asiat. Soc. Bengal, Pt. 2, Nat. Hist. 38: 148. 1869; Stone in Matthew, Fl. Tamilnadu Carnatic 3: 1683. 1983.

A tree.

Distrib.: Tamilnadu Carnatic (Stone 1983).

Pandanus tectorius Parkinson in Naturforscher 4: 220. 1774.

A herb, cultivated; several cultivars are recognised.

Pandanus thwaitesii Martelli in Webbia 1: 369. 1905; Fischer in Gamble, Fl. Pres. Madras 3: 1095. 1957 (repr. ed.).

A small undershrub in evergreen forests; flowers very fragrant.

Distrib.: Kanniyakumari.

TYPHACEAE

P. BHARGAVAN

Typha angustata Bory & Chaub. Exped. Sci. Moree Bot. 1: 338. 1833; Hook. f. Fl. Brit. India 6: 489. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1096. 1957 (repr. ed.). *T. angustifolia* auct. non L. 1753; Roxb. Fl. Ind. 3: 507. 1832.

Tamil: *Sambu*.

A robust and tall herb, in marshes from plains to hilly terrain.

Distrib.: Almost all districts.

ARACEAE

P. BHARGAVAN

Acorus calamus L. Sp. Pl. 324. 1753; Hook. f. Fl. Brit. India 6: 555. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1100. 1957 (repr. ed.); Matthew, III. Fl. Tamilnadu Carnatic t. 764. 1982.

Tamil: *Vasambu*.

A semi-aquatic perennial herb with aromatic rhizome; wild or cultivated. E.

Alocasia indica (Roxb.) Schott in Oesterr. Bot. Wochenbl. 4: 440. 1854; Hook. f. Fl. Brit. India 6: 525. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1103. 1957 (repr. ed.). *Arum indicum* Roxb. Fl. Ind. 3: 498. 1832.

A tuberous herb, cultivated. E.

Amorphophallus paeoniifolius (Dennst.) Nicolson in Taxon 26: 338. 1977, var. **paeoniifolius**; Suresh et al. in Taxon 32: 128. 1983. *Dracontium paeoniifolium* Dennst. Schluss. Hort. Ind. Malab. 13, 21 & 38. 1818.

Tamil: *Mul-chenai*.

A cormous herb.

Distrib.: Eastern and Western ghats. E.

Amorphophallus paeoniifolius (Dennst.) Nicolson var **campanulatus** (Blume ex Decne.) Sivadasan in Taxon 32: 130. 1983. *A. campanulatus* (Roxb.) Blume ex Decne. in Nouv. Ann. Mus. Hist. Nat. 3: 366. 1834; Hook. f. Fl. Brit. India 6: 513. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1107. 1957 (repr. ed.). *Arum campanulatum* Roxb. Pl. Cor. t. 272. 1820; Wight, Ic. t. 782. 1844.

Tamil: *Chennai kizhangu*.

A cormous herb, cultivated. E.

Amorphophallus sylvaticus (Roxb.) Kunth, Enum. Pl. 3: 34. 1841; Fischer in Gamble, Fl. Pres. Madras 3: 1107. 1957 (repr. ed.). *Arum sylvaticum* Roxb. Fl. Ind. 3: 511. 1832; Wight, Ic. t. 802. 1844. *Synantherias sylvatica* (Roxb.) Schott, Gen. Aroid. t. 28. 1858; Hook. f. Fl. Brit. India 6: 518. 1893.

A herb, in evergreen forests.

Distrib.: Chengalpattu (Barnes 1938), Coimbatore (Fischer 1921), Nilgiri (Fischer 1957).

Anaphyllum beddomei Engler, Pflanzenr. 48: 26. 1913; Fischer in Gamble, Fl. Pres. Madras 3: 1108. 1957 (repr. ed.).

A tall herb, in evergreen forests.

Distrib.: Coimbatore (Fischer 1921), Tirunelveli.

Anaphyllum wightii Schott, Gen. Aroid. t. 83. 1858; Hook. f. Fl. Brit. India 6: 551. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1108. 1957 (repr. ed.).

A tall slender herb, in evergreen forests.

Distrib.: Coimbatore, Tirunelveli.

Anthurium spathiphyllum N. E. Br. in Gard. Chron. 1: 652. 1877.

A small herb with pink, red or white spathe and spike; cultivated; many cultivars are recognised.

Arisaema auriculatum Barnes in Kew Bull. 1946: 44. 1946; Sebastine in Bull. Bot. Surv. India 4: 220. 1962 (1963).

A herb.

Distrib.: Nilgiri (Sebastine 1963).

Arisaema barnesii Fischer in Kew Bull. 1933: 342. 1933 & in Gamble, Fl. Pres. Madras 1891 (addenda) 1935 & 3: 1308. 1957 (repr. ed.). *A. wightii* auct. non Schott 1859; Hook. f. Fl. Brit. India 6: 507. 1893 p.p.; Fischer in Gamble, Fl. Pres. Madras 3: 1109. 1957 (repr. ed.) p.p.

A tuberous herb, in shady places at higher elevations.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem, Tiruchchirappalli, Tirunelveli.

Arisaema leschenaultii Blume, Rumph. 1: 93. 1836; Hook. f. Fl. Brit. India 6: 504. 1893; Fyson, Fl. South Indian Hill St. 2: t. 562. 1932; Fischer in Gamble, Fl. Pres. Madras 3: 1105. 1957 (repr. ed.). *A. pulchrum* N. E. Br. in J. Linn. Soc. Bot. 18: 252. t. 6. 1880; Hook. f. Fl. Brit. India 6: 505. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1105. 1957 (repr. ed.).

Tamil: *Paambukkodi*.

A tuberous herb, in shady places at higher elevations.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem, Tiruchchirappalli, Tirunelveli.

Arisaema murrayi (Graham) Hook. in Bot. Mag. 74: t. 4388. 1848; Hook. f. Fl. Brit. India 6: 507. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1106. 1957 (repr. ed.). *Arum murrayi* Graham, Cat. Pl. Bombay 229. 1839.

A herb at higher elevations.

Distrib.: Nilgiri. R.

Arisaema tortuosum (Wall.) Schott in Schott & Endlicher, Melet. Bot. 17. 1832; Hook. f. Fl. Brit. India 6: 502. 1893; Fyson, Fl. South Indian Hill St. 2: t. 561. 1932; Fischer in Gamble, Fl. Pres. Madras 3: 1105. 1957 (repr. ed.). *Arum tortuosum* Wall. Pl. Asiat. Rar. 2: 10. t. 114. 1830. *Arisaema tortuosum* (Wall.) Schott var. *neglectum* (Schott) Fischer in Gamble, Fl. Pres. Madras 1585. 1931 & 3: 1105. 1957 (repr. ed.). *A. neglectum* Schott in Bonplandia 7: 26. 1859; Hook. f. Fl. Brit. India 6: 504. 1893.

Tamil: *Kattu-chenai*.

A cormous herb. A variable species; several varieties are recognised.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Tirunelveli.

Arisaema translucens Fischer in Kew Bull. 1933: 344. 1933 & in Gamble, Fl. Pres. Madras 3: 1308. 1957 (repr. ed.).

A dioecious herb; tuber subglobose.

Distrib.: Nilgiri. R.

Arisaema tuberculatum Fischer in Kew Bull. 1935: err. slip. opp. 64. 1935 & in Gamble, Fl. Pres. Madras 3: 1308. 1957 (repr. ed.). *A. convolutum* Fischer in Kew Bull. 1934: 167. 1934, non Nakai 1929.

A herb, tube of spathe white, limb purple with 5-7 white bands.

Distrib.: Nilgiri. R.

Arisaema tylophorum Fischer in Kew Bull. 1933: 346. 1933 & in Gamble, Fl. Pres. Madras 3: 1308. 1957 (repr. ed.). *A. wightii* sensu Fischer in Gamble, Fl. Pres. Madras 3: 1105. 1957 (repr. ed.) p.p., non Schott 1859.

A herb in hills.

Distrib.: Nilgiri. R.

Arisaema wightii Schott in Bonplandia 7: 26. 1859; Hook. f. Fl. Brit. India 6: 507. 1893 p.p.; Fischer in Gamble, Fl. Pres. Madras 3: 1105 p.p. & 1308 (addenda). 1957 (repr. ed.).

A dioecious, tuberous herb.

Distrib.: Coimbatore, Nilgiri.

Caladium bicolor (Ait.) Vent. Mag. Encycl. 4: 464. Jan. 1801 & Descr. Pl. Jard. Cels. t. 30. Mar. 1801. *Arum bicolor* Ait. Hort. Kew. ed. 1. 3: 316. 1789; Curtis, Bot. Mag. t. 820. 1805.

A perennial herb; lamina mottled with different attractive colours, cultivated. E.

Colocasia esculenta (L.) Schott in Schott & Endlicher, Melet. Bot. 18. 1832; Matthew, Ill. Fl. Tamilnadu Carnatic tt. 766 & 979C. 1982. *Arum esculentum* L. Sp. Pl. 965. 1753. *Colocasia antiquorum* Schott in Schott & Endlicher, Melet. Bot. 18. 1832; Hook. f. Fl. Brit. India 6: 523. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1102. 1957 (repr. ed.).

Tamil: *Shana dumpa*, *Seppan kizhangu*.

A tall tuberous herb in marshy places; cultivated. E.

Cryptocoryne ciliata (Roxb.) Schott in Schott & Endlicher, Melet. Bot. 16. 1832; Wight, Ic. t. 775. 1844; Hook. f. Fl. Brit. India 6: 492. 1893; Fischer in

Gamble, Fl. Pres. Madras 3: 1098. 1957 (repr. ed.). *Ambrosinia ciliata* Roxb. Pl. Cor. t. 294. 1820.

A marshy herb.

Distrib.: Coimbatore (Fischer 1921).

Cryptocoryne consobrina Schott in Bonplandia 5: 222. 1857; Hook. f. Fl. Brit. India 6: 493. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1099. 1957 (repr. ed.). *C. wightii* Schott, Prodr. Syst. Aroid. 17. 1860; Hook. f. Fl. Brit. India 6: 493. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1099. 1957 (repr. ed.).

A small marshy herb, in evergreen forests.

Distrib.: Coimbatore, Nilgiri (Sharma et al. 1977).

Cryptocoryne retrospiralis (Roxb.) Kunth, Enum. Pl. 23: 12. 1841; Wight, Ic. t. 772. 1844; Hook. f. Fl. Brit. India 6: 493. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1098. 1957 (repr. ed.). *Ambrosinia retrospiralis* Roxb. Fl. Ind. 3: 492. 1832. *Cryptocoryne unilocularis* (Roxb.) Kunth, Enum. Pl. 3: 13. 1841; Wight, Ic. t. 774. 1844; Fischer in Gamble, Fl. Pres. Madras 3: 1099. 1957 (repr. ed.). *Ambrosinia unilocularis* Roxb. Fl. Ind. 3: 493. 1832.

A marshy herb on the banks of streams; rootstock creeping, tube of the spathe deep violet.

Distrib.: Almost all districts.

Cryptocoryne spiralis (Retz.) Fischer ex Wydler in Linnaea 5: 428. 1830; Wight, Ic. t. 773. 1844; Hook. f. Fl. Brit. India 6: 494. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1099. 1957 (repr. ed.). *Arum spiralis* Retz. Obs. Bot. 1: 30. 1779.

A perennial marshy herb.

Distrib.: Tamilnadu Carnatic (Matthew 1983).

Lagenandra meeboldii (Engler) Fischer in Gamble, Fl. Pres. Madras 1576. 1931 & 3: 1099. 1957 (repr. ed.). *Cryptocoryne meeboldii* Engler, Pflanzenr. 71: 234. 1920.

An aquatic herb, spathe small, deep violet.

Distrib.: Tirunelveli.

Lagenandra ovata (L.) Thw. Enum. Pl. Zeyl. 334. 1864; Fischer in Gamble, Fl. Pres. Madras 3: 1099. 1957 (repr. ed.). *Arum ovatum* L. Sp. Pl. 967. 1753. *Lagenandra toxicaria* Dalz. var. *barnesii* Fischer in Kew Bull. 1936: 126. 1936.

A large aquatic herb; spathe dark brown.

Distrib.: Kanniyakumari, Nilgiri, Tirunelveli.

Monstera deliciosa Liebm. in Vidensk. Meddel. Dansk Naturhist. Foren. Kjobenhavn 1: 19. 1849; Matthew, Fl. Tamilnadu Carnatic 3: 1695. 1983.

A tall straggling climber with hanging cord-like roots, mostly cultivated for ornament.

Pistia stratiotes L. Sp. Pl. 963. 1753; Hook. f. Fl. Brit. India 6: 497. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1097. 1957 (repr. ed.).

Tamil: *Kodi-tamarai*, *Agasa-tamarai*, *Kuzhi-thamarai*.

A floating herb, in fresh water ponds and lakes with small light yellow flowers.

Distrib.: Almost all districts.

Plesmonium margaritiferum (Roxb.) Schott, Syn. Aroid. 34. 1856; Hook. f. Fl. Brit. India 6: 518. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1107. 1957 (repr. ed.). *Arum margaritifer* Roxb. Fl. Ind. 3: 512. 1832; Wight, Ic. t. 795. 1844.

A tuberous herb.

Distrib.: Coimbatore.

Pothos armatus Fischer in Kew Bull. 1929: 126. 1929 & in Gamble, Fl. Pres. Madras 3: 1110. 1957 (repr. ed.).

A branched climbing shrub in evergreen forests; spines at nodes.

Distrib.: Coimbatore.

Pothos scandens L. Sp. Pl. 968. 1753; Hook. f. Fl. Brit. India 6: 551. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1110. 1957 (repr. ed.).

An unarmed branched climbing shrub, in evergreen forests.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Tiruchchirappalli (RHT), Tirunelveli.

Pothos thomsonianus Schott, Aroideae 24. t. 51. 1856-1857; Hook. f. Fl. Brit. India 6: 555. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1110. 1957 (repr. ed.).

An unarmed branched shrub, in evergreen forests.

Distrib.: Tirunelveli.

Remusatia vivipara (Lodd.) Schott in Schott & Endlicher, Melet. Bot. 18. 1832; Hook. f. Fl. Brit. India 6: 521. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1104. 1957 (repr. ed.). *Caladium viviparum* Lodd. Bot. Cab. 3: t. 281. 1818.

A tuberous herb in evergreen forests.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Tiruchchirappalli.

Rhaphidophora aurea (Linden ex Andre) Furtado in Gard. Bull. Straits Settlements 20: 379. 1964. *Pothos aurea* Linden ex Andre in Ill. Hort. 27: 69. t. 381. 1880. *Scindapsus aureus* (Linden ex Andre) Engler, Pflanzenr. 37: 80. 1908.

A climber, grown in gardens as the "money plant".

Rhaphidophora laciniata (Burm. f.) Merr. in Philipp. J. Sci. 19: 342. 1921. *Poly-*

podium laciniatum Burm. f. Fl. Ind. 231. 1768. *Pothos pertusus* Roxb. Fl. Ind. 1: 455. 1820; Wight, Ic. t. 781. 1844. *Rhaphidophora pertusa* (Roxb.) Schott in Bonplandia 5: 45. 1857; Hook. f. Fl. Brit. India 6: 546. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1109. 1957 (repr. ed.).

Tamil: *Anaitippili*.

A large epiphytic climber, from plains to higher elevations; leaves entire, pinnatisect.

Distrib.: Coimbatore (Fischer 1921), Kanniyakumari, Nilgiri.

Therophonum fischeri Sivadasan in Aroideana 4: 64. 1981; Sivadasan & Nicolson in Kew Bull. 37: 282. 1982 & in Matthew, Fl. Tamilnadu Carnatic 3: 1699. 1983. *T. dalzelli* sensu Fischer in Rec. Bot. Surv. India 9(1): 187. 1921, non Schott 1855.

A small herb, with narrowly hastate leaves and broadly ovate to abruptly acuminate spathe.

Distrib.: Coimbatore (Sivadasan & Nicolson 1982), Kanniyakumari, Tirunelveli.

Therophonum minutum (Willd.) Baillon, Hist. Pl. 13: 457. 1895; Fischer in Gamble, Fl. Pres. Madras 3: 1101. 1957 (repr. ed.); Sivadasan & Nicolson in Kew Bull. 37: 285. 1982. *Arum minutum* Willd. Sp. Pl. 4: 481. 1805. *Therophonum crenatum* (Wight) Blume, Rumph. 1: 128. 1837; Hook. f. Fl. Brit. India 6: 512. 1893; Fischer in Rec. Bot. Surv. India 9(1): 187. 1921. *Arum crenatum* Wight in Bot. Misc. 2: 100 (suppl.) t. 3. 1831. *Therophonum wightii* Schott in Oesterr. Bot. Z. 8: 3. 1858; Hook. f. Fl. Brit. India 6: 512. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1101. 1957 (repr. ed.). *Typhonium divaricatum* auct. non Decne. 1834; Mayuranathan in Bull. Madras Govt. Museum n. s. 2: 300. 1929.

A small cormous herb, spathe greenish-purplish.

Distrib.: Chengalpattu, Coimbatore (Fischer 1921), Madurai, Ramanathapuram, Salem, South Arcot, Thanjavur.

Theriophonum sivagangamum (Ramam. & Sebastine) Bogner in Bull. Bot. Surv. India 10: 244. 1968; Sivadasan & Nicolson in Kew Bull. 37: 289. 1982. *Paucella sivagangana* Ramam. & Sebastine in Bull. Bot. Surv. India 8: 348. 1966 (1967).

A small tuberous herb in moist places.

Distrib.: Ramanathapuram; Tamilnadu Carnatic (Matthew 1983).

Xanthosoma sagittifolium (L.) Schott in Schott & Endlicher, Melet. Bot. 19. 1832; Curtis, Bot. Mag. t. 4989. 1857; Matthew, Fl. Tamilnadu Carnatic 3: 1702. 1983. *Arum sagittifolium* L. Sp. Pl. 966. 1753.

An introduced perennial herb, cultivated widely for its edible tubers.

Zantedeschia aethiopica (L.) Spreng. Syst. 3: 765. 1826; Matthew, Fl. Tamilnadu Carnatic 3: 1704. 1983. *Calla aethiopica* L. Sp. Pl. 968. 1753.

A perennial rhizomatous herb in moist places, cultivated; many cultivars are recognised.

LEMNACEAE

P. BHARGAVAN

Lemna gibba L. Sp. Pl. 970. 1753; Hook. f. Fl. Brit. India 6: 556. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1111. 1957 (repr. ed.).

A small floating plant in still waters; rootlet solitary; frond suborbicular or obovate in outline.

Distrib.: All districts (Fischer 1957).

Lemna perpusilla Torrey, Fl. New York 2: 245. 1843; van der Plas in Steenis, Fl.

Males. ser. 1. 7: 231. 1971. *L. paucicostata* Hegelm. Lemnac. 139. t. 8. 1868; Hook. f. Fl. Brit. India 6: 556. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1111. 1957 (repr. ed.). *L. eleanorae* McCann in J. Bombay Nat. Hist. Soc. 43: 154. 1942; Karthik. & Sharma in J. Bombay Nat. Hist. Soc. 80: 76. 1983. *L. minor* sensu Hook. f. Fl. Brit. India 6: 556. 1893 p.p., non L. 1753; Fischer in Rec. Bot. Surv. India 9(1): 188. 1921.

A small floating green scale-like plant.

Distrib.: Chengalpattu, Coimbatore, Madurai, Tiruchchirappalli, Tirunelveli.

Spirodela polyrhiza (L.) Schleiden in Linnaea 13: 392. 1839. *Lemna polyrhiza* L. Sp. Pl. 970. 1753; Hook. f. Fl. Brit. India 6: 557. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1111. 1957 (repr. ed.).

A small floating plant in still waters.

Distrib.: Almost all districts.

Wolffia globosa (Roxb.) Hartog & van der Plas in Blumea 18: 367. 1970. *Lemna globosa* Roxb. Fl. Ind. 3: 565. 1832. *Wolffia arrhiza* auct. non Horkel ex Wimmer 1857; Hook. f. Fl. Brit. India 6: 557. 1893 p.p.; Fischer in Gamble, Fl. Pres. Madras 3: 1111. 1957 (repr. ed.).

A rootless minute plant with subglobose minute leaves.

Distrib.: Madurai.

TRIURIDACEAE

P. BHARGAVAN

Hyalisma janthina Champ. in Calcutta J. Nat. Hist. 7: 463. 1847; Sant. & Henry, Dict. Fl. Pl. India 82. 1973. *Sciaphila janthina* (Champ.) Thw. Enum. Pl. Zeyl. 294. 1864; Hook. f. Fl. Brit. India 6: 558. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1112. 1957 (repr. ed.).

A slender leafless herb.

Distrib.: Tirunelveli. R.

ALISMATACEAE

P. BHARGAVAN

Caldesia parnassiifolia (L.) Parl. Fl. Ital. 3: 599. 1858. *Alisma parnassiifolia* L. Syst. Nat. ed. 12. 3 (App.): 230. 1768. *A. reniforme* D. Don, Prodr. Fl. Nep. 22. 1825; Wight, Ic. t. 322. 1840; Hook. f. Fl. Brit. India 6: 560. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1117. 1957 (repr. ed.).

A scapigerous herb, leaves ovate-suborbicular, spikes brittle, flowers white.

Distrib.: Dharmapuri (Matthew 1981).

Limnophyton obtusifolium (L.) Miq. Fl. Ned. Ind. 3: 242. 1856; Hook. f. Fl. Brit. India 6: 560. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1113. 1957 (repr. ed.). *Sagittaria obtusifolia* L. Sp. Pl. 993. 1753.

An erect succulent marshy herb, in plains and low hills.

Distrib.: Chengalpattu, Madurai, Salem, South Arcot.

Sagittaria guayanensis H.B.K. subsp. *lappula* (D. Don) Bogin in Mem. New York Bot. Gard. 9: 192. f. 5. 1955. *S. lappula* D. Don, Prodr. Fl. Nep. 22, 1825. *S. guayanensis* sensu Hook. f. Fl. Brit. India 6: 561. 1893 p.p.; Fischer in Gamble, Fl. Pres. Madras 3: 1113. 1957 (repr. ed.).

An aquatic herb, flowers white.

Distrib.: Nilgiri, South Arcot.

Sagittaria sagittifolia L. Sp. Pl. 993. 1753; Hook. f. Fl. Brit. India 6: 561. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1113. 1957 (repr. ed.).

An aquatic herb with sagittate leaves and white flowers.

Distrib.: Nilgiri. R.

NAJADACEAE

P. BHARGAVAN

Najas graminea Del. Descr. Egypt. Hist. Nat. 282. t. 50. f. 3. 1813; Hook. f. Fl. Brit. India 6: 569. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1118. 1957 (repr. ed.); Matthew, Ill. Fl. Tamilnadu Carnatic t. 776. 1982.

A submerged slender herb, in stagnant fresh water; leaf margins with spiny teeth; flowers solitary or up to 4, white.

Distrib.: Chengalpattu, Salem, Thanjavur; Dharmapuri, South Arcot and Tiruchchirappalli (Matthew 1981).

Najas indica (Willd.) Cham. in Linnaea 4: 501. 1829; Fischer in Gamble, Fl. Pres. Madras 3: 1119. 1957 (repr. ed.). *Caulinia indica* Willd. in Mem. Acad. Roy. Sci. Hist. (Berlin) 87. t. 1. f. 3. 1801. *Najas falciculata* Braun in J. Bot. 2: 278. 1864; Hook. f. Fl. Brit. India 6: 569. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1119. 1957 (repr. ed.). *N. lacerata* Rendle in Trans. Linn. Soc. London, Bot. 5: 416. t. 41. ff. 132-138. 1899; Fischer in Gamble, Fl. Pres. Madras 3: 1119. 1957 (repr. ed.).

A delicate submerged herb; leaf sheath auriculate, toothed.

Distrib.: Chengalpattu; Dharmapuri, Salem and South Arcot (Matthew 1981), Tirunelveli (Fischer 1957).

Najas malesiana Wilde in Acta Bot. Neerl. 10: 168. 1961 & in Steenis, Fl. Males. ser. 1. 6: 169. 1962. *N. graminea* Del. var. *minor* Rendle in Trans. Linn. Soc. London, Bot. 5: 426. 1899; Fischer in Gamble, Fl. Pres. Madras 3: 1118. 1957 (repr. ed.).

A herb up to 15 cm long.

Distrib.: "Tuticorin (Wight)" (Fischer 1957).

Najas marina L. Sp. Pl. 1015. 1753; Wilde in Steenis, Fl. Males. ser. 1. 6: 162. 1962. *N. major* All. Fl. Pedem. 2: 221. 1785; Hook. f. Fl. Brit. India 6: 569. 1893.

A submerged herb; internodes with spinous teeth.

Distrib.: South Arcot (Matthew 1983).
R.

Najas minor All. Fl. Pedem. 2: 221. 1785; Hook. f. Fl. Brit. India 6: 569. 1893 p.p.; Fischer in Gamble, Fl. Pres. Madras 3: 1119. 1957 (repr. ed.) incl. var. *spinosa* Rendle.

A submerged fresh water herb.

Distrib.: Chengalpattu, Coimbatore, Nilgiri, North Arcot; South Arcot (Matthew 1981), Thanjavur.

Ruppia maritima L. Sp. Pl. 127. 1753; Fischer in Gamble, Fl. Pres. Madras 3: 1116. 1957 (repr. ed.). *R. rostellata* Koch ex Reichb. Iconogr. Bot. Pl. Crit. 2: 66. 1824; Hook. f. Fl. Brit. India 6: 568. 1893.

A much-branched herb with creeping rootstocks, along the coasts.

Distrib.: Chengalpattu (Mayuranathan 1929).

APONOGETONACEAE

P. BHARGAVAN

Aponogeton appendiculatus Bruggen in Blumea 16: 265. f. 5. 1968. *A. crispus* auct. non Thunb. 1781; Hook. f. Fl. Brit. India 6: 564. 1893 p.p.; Fischer in Gamble, Fl. Pres. Madras 3: 1115. 1957 (repr. ed.) p.p.

A small tuberous, submerged herb in shallow waters.

Distrib.: Chengalpattu. **R.**

Aponogeton distachyus L. f. Suppl. Pl. 215. 1781; Sharma et al. in Biol. Mem. 2(1 & 2): 152. 1977.

A submerged scapigerous herb, cultivated.

Aponogeton echinatus Roxb. Fl. Ind. 2: 210. 1832; Hook. f. Fl. Brit. India 6: 564. 1893; Matthew & Britto in Matthew, Fl. Tamilnadu Carnatic 3: 1713. 1983.

A tuberous perennial submerged herb; flowers white or pinkish; fruits echinate.

Distrib.: Nilgiri, Salem.

Aponogeton natans (L.) Engler & K. Krause in Engler, Pflanzenr. 24: 11. 1906; Fischer in Gamble, Fl. Pres. Madras 3: 1115. 1957 (repr. ed.). *Saururus natans* L. Mant. Pl. 227. 1771. *Aponogeton monostachyon* L. f. Suppl. Pl. 214. 1781; Roxb. Pl. Cor. t. 81. 1798; Hook. f. Fl. Brit. India 6: 564. 1893.

A tuberous herb, in marshy places.

Distrib.: Almost all districts.

Aponogeton undulatus Roxb. Fl. Ind. 2: 211. 1832; Bruggen in Blumea 18: 465. 1970. *A. crispus* auct. non Thunb. 1781; Hook. f. Fl. Brit. India 6: 564. 1893 p.p.; Fischer in Gamble, Fl. Pres. Madras 3: 1115. 1957 (repr. ed.) p.p.

A submerged herb, flowers white.

Distrib.: Chengalpattu (Fischer 1957).
R.

POTAMOGETONACEAE

P. BHARGAVAN

Cymodocea rotundata Ehrenb. & Hempr. ex Asch. in Sitzungsber. Ges. Naturf. Freunde Berlin 1870: 84. 1870; Fischer in Gamble, Fl. Pres. Madras 3: 1117. 1957 (repr. ed.).

A submerged marine herb, in tidal and sub-tidal zones on marshy, sandy and rocky substrata.

Distrib.: Chengalpattu, Pudukkottai, Ramanathapuram, Thanjavur, Tirunelveli.

Cymodocea serrulata (R. Br.) Asch. & Magnus in Sitzungsber. Ges. Naturf. Freunde Berlin 1870: 84. 1870; Hook. f. Fl. Brit. India 6: 570. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1117. 1957 (repr. ed.). *Caulinia serrulata* R. Br. Prodr. 339. 1810.

A submerged marine herb in tidal and sub-tidal zones; leaf sheath pink, leaf tip serrulate.

Distrib.: Chengalpattu, Kanniyakumari, Pudukkottai, Ramanathapuram, Thanjavur, Tirunelveli.

Halodule pinifolia (Miki) Hartog in Blumea 12: 309. f. 10. 1964 & Seagrasses World 158. 1970; Hartog & Zong-Dai Yang in Curr. Sci. 57: 1172. 1988. *Diplanthera pinifolia* Miki in Bot. Mag. (Tokyo) 46: 787. f. 9. 1932.

A small seagrass with linear leaves upto 20cm long.

Distrib.: Ramanathapuram (Hartog & Zong-Dai Yang 1988).

Halodule uninervis (Forssk.) Asch. in Boiss. Fl. Orient. 5: 24. 1882; Hartog, Sea-grasses World 147. 1970. *Zostera uninervis* Forssk. Fl. Aeg.-Arab. 157. 1775. *Diplanthera uninervis* (Forssk.) Asch. in Engler & Prantl, Pflanzenf. 1: 37. 1892; Fischer in Gamble, Fl. Pres. Madras 3: 1117. 1957 (repr. ed.). *Cymodocea australis* Trimen, Cat. Pl. Ceylon 99. 1885; Hook. f. Fl. Brit. India 6: 570. 1893.

A submerged marine herb with tridentate leaf tip; forming meadows in tidal and sub-tidal zones on sandy, rocky and marshy substrata.

Distrib.: Chengalpattu, Kanniyakumari, Pudukkottai, South Arcot, Ramanathapuram, Thanjavur, Tirunelveli.

Two forms are observed, one with broad leaves and another with narrow leaves.

Potamogeton crispus L. Sp. Pl. 126. 1753; Hook. f. Fl. Brit. India 6: 566. 1893; Matthew & Britto in Matthew, Fl. Tamilnadu Carnatic 3: 1715. 1983.

Rhizomes creeping, stem stout, leaves sessile.

Distrib.: Dharmapuri (Matthew 1981).

Potamogeton nodosus Poir. in Lam. Encycl. Suppl. 4: 535. 1816. *P. indicus* Roxb. Fl. Ind. 1: 471. 1820, non Roth ex Roem. & Schultes 1818; Hook. f. Fl. Brit. India 6: 565. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1116. 1957 (repr. ed.).

A heterophyllous submerged herb, in lakes and ponds in plains; leaves floating; spikes axillary.

Distrib.: Chengalpattu, Kanniyakumari, Madurai, Nilgiri, South Arcot, Tirunelveli.

Potamogeton pectinatus L. Sp. Pl. 127. 1753; Hook. f. Fl. Brit. India 6: 567. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1116. 1957 (repr. ed.).

A profusely branched aquatic herb.

Distrib.: Chengalpattu (Mayuranathan 1929), Coimbatore; Dharmapuri and South Arcot (Matthew 1981). R.

Potamogeton perfoliatus L. Sp. Pl. 126. 1753; Hook. f. Fl. Brit. India 6: 566. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1116. 1957 (repr. ed.).

A stout dichotomously branched aquatic herb, leaf margin wavy.

Distrib.: Chengalpattu, Nilgiri (Fischer 1957). R.

Syringodium isoetifolium (Asch.) Dandy in J. Bot. 77: 116. 1939; Hartog, Seagrasses World 177. 1970. *Cymodocea isoetifolia* Asch. in Sitzungsber. Ges. Naturf. Freunde Berlin 1867: 3. 1867; Hook. f. Fl. Brit. India 6: 570. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1117. 1957 (repr. ed.).

A submerged marine herb with terete, fleshy leaves; in tidal and sub-tidal zones.

Distrib.: Chengalpattu, Kanniyakumari, Pudukkottai, Ramanathapuram, Thanjavur, Tirunelveli.

ERIOCAULACEAE

M. CHANDRABOSE

Eriocaulon cinereum R. Br. Prodr. 254. 1810. *E. sieboldianum* Sieb. & Zucc. ex Steud. Syn. Pl. Glumac. 2: 272. 1855; Hook. f. Fl. Brit. India 6: 577. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1127. 1957 (repr. ed.).

A herb at low elevations.

Distrib.: Chengalpattu, Coimbatore, Madurai, Pudukkottai (RHT), South Arcot, Thanjavur, Tiruchchirappalli, Tirunelveli.

Eriocaulon collinum Hook. f. Fl. Brit. India 6: 584. 1893; Fyson, Fl. South Indian Hill St. 2: t. 566. 1932; Fischer in Gamble, Fl. Pres. Madras 3: 1128. 1957 (repr. ed.). *E. christopheri* Fyson in Kew Bull. 1914: 330. 1914 & in J. Indian Bot. Soc. 2: 206. 1921. *E. oliveri* Fyson in Kew Bull. 1914: 331. 1914 & in J. Indian Bot. Soc. 2: 206. 1921.

A herb in wet places.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem.

Eriocaulon conicum (Fyson) Fischer in Gamble, Fl. Pres. Madras 1620. 1931 & 3: 1128. 1957 (repr. ed.). *E. diana*e Fyson var. *conica* Fyson in J. Indian Bot. Soc. 2: 250. 1921.

A herb in hills.

Distrib.: Nilgiri.

Eriocaulon dianae Fyson var. *richardiana* Fyson in J. Indian Bot. Soc. 2: 260. t. 14. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1128. 1957 (repr. ed.).

A herb in hills.

Distrib.: Nilgiri.

Eriocaulon elenorae Fyson in J. Indian Bot. Soc. 2: 316. t. 35. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1127. 1957 (repr. ed.).

A herb in hills.

Distrib.: Nilgiri.

Eriocaulon ensiforme Fischer in Kew Bull. 1930: 159. 1930 & in Gamble, Fl. Pres. Madras 3: 1126. 1957 (repr. ed.).

A herb in hills.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Tirunelveli.

Eriocaulon gamblei Fischer in Kew Bull. 1930: 160. 1930 & in Gamble, Fl. Pres. Madras 3: 1128. 1957 (repr. ed.).

A herb in hills at high altitudes.

Distrib.: Nilgiri.

Eriocaulon mariae Fyson in Kew Bull. 1914: 331. 1914 & Fl. South Indian Hill St. 1: 630. 1932.

A herb in hills at high altitudes.

Distrib.: Madurai (Fyson 1932).

Eriocaulon melaleucum Mart. in Wall. Pl. Asiat. Rar. 3: 28. 1832; Hook. f. Fl. Brit. India 6: 574. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1127. 1957 (repr. ed.).

A herb in damp places in hills.

Distrib.: Madurai, Nilgiri, Tirunelveli.

Eriocaulon minutum Hook. f. Fl. Brit. India 6: 579. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1127. 1957 (repr. ed.).

A herb in hills at high altitudes.

Distrib.: Nilgiri (Fischer 1957).

Eriocaulon nairii Chandrabose & Chandrasekaran in J. Bombay Nat. Hist. Soc. 76: 165. 1982.

A herb in tufts on grassy slopes, especially in wet places.

Distrib.: Coimbatore.

Eriocaulon nilagirens Steud. Syn. Pl. Glumac. 2: 271. 1855. *E. brownianum* sensu Hook. f. Fl. Brit. India 6: 576. 1893 p.p., non Mart. 1832. *E. brownianum* var. *nilagirens* (Steud.) Fyson in J. Indian Bot. Soc. 2: 262. 1921 & Fl. South Indian Hill St. 2: t. 565. 1932; Fischer in Gamble, Fl. Pres. Madras 3: 1127. 1957 (repr. ed.).

A herb in damp places in hills at high altitudes.

Distrib.: Coimbatore (Fischer 1921), Madurai, Nilgiri.

Eriocaulon odoratum Dalz. in Hooker's J. Bot. Kew Gard. Misc. 3: 280. 1851; Hook. f. Fl. Brit. India 6: 574. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1127. 1957 (repr. ed.).

A herb in hills.

Distrib.: Coimbatore, Madurai, Ramnathapuram.

Eriocaulon pectinatum Ruhl. in Engler, Pflanzenr. 13: 85. 1903; Fischer in Gamble, Fl. Pres. Madras 3: 1127. 1957 (repr. ed.).

A herb in hills.

Distrib.: Nilgiri (Fischer 1957). **O.R.**

Eriocaulon polycephalum Hook. f. Fl. Brit. India 6: 573. 1893. *E. longicuspis* Hook. f. var. *polycephala* (Hook. f.) Fyson in J. Indian Bot. Soc. 2: 308. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1127. 1957 (repr. ed.).

A herb in hills.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Tirunelveli.

Eriocaulon quinquangulare L. Sp. Pl. 87. 1753; Hook. f. Fl. Brit. India 6: 582.

1893; Fischer in Gamble, Fl. Pres. Madras 3: 1128. 1957 (repr. ed.).

A herb in plains and hills.

Distrib.: All districts.

Eriocaulon ritchieanum Ruhl. in Engler, Pflanzenr. 13: 73. 1903; Fischer in Gamble, Fl. Pres. Madras 3: 1127. 1957 (repr. ed.).

A herb in hills at high altitudes.

Distrib.: Nilgiri, Salem (Fyson 1932).

Eriocaulon robustum Steud. Syn. Pl. Glumac. 2: 271. 1855; Hook. f. Fl. Brit. India 6: 572. 1893; Fyson, Fl. South Indian Hill St. 2: t. 564. 1932; Fischer in Gamble, Fl. Pres. Madras 3: 1126. 1957 (repr. ed.).

A herb in hills at high altitudes.

Distrib.: Nilgiri.

Eriocaulon thwaitesii Koern. in Linnaea 27: 627. 1854; Hook. f. Fl. Brit. India 6: 583. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1128. 1957 (repr. ed.).

A herb in hills.

Distrib.: Coimbatore, Madurai, Nilgiri, Pudukkottai (RHT), Salem, Tirunelveli.

Eriocaulon truncatum Buch.-Ham. ex Mart. in Wall. Pl. Asiat. Rar. 3: 29. 1832; Hook. f. Fl. Brit. India 6: 578. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1127. 1957 (repr. ed.).

A herb.

Distrib.: Chengalpattu, Kanniyakumari, Madurai (FRC), Nilgiri, Tirunelveli.

Eriocaulon xeranthemum Mart. in Wall. Pl. Asiat. Rar. 3: 29. 1832; Hook. f. Fl. Brit. India 6: 584. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1127. 1957 (repr. ed.).

A herb at low elevations.

Distrib.: Coimbatore (FRC).

CYPERACEAE

P. BHARGAVAN

Ascopholis gamblei Fischer in Kew Bull. 1931: 105. 1931, in Hooker's Icon. Pl. 32: t. 3183. 1933 & in Gamble, Fl. Pres. Madras 3: 1164. 1957 (repr. ed.).

An erect glabrous herb in higher elevations; spikes sessile.

Distrib.: Nilgiri. R.

Bulbostylis barbata (Rottb.) Clarke in Hook. f. Fl. Brit. India 6: 651. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1153. 1957 (repr. ed.); Matthew, Ill. Fl. Tamilnadu Carnatic t. 778. 1982. *Scirpus barbatus* Rottb. Descr. Pl. Rar. 27. 1772.

A small, slender, glabrous annual herb, in open sandy places.

Distrib.: Almost all districts.

Bulbostylis densa (Wall.) Hand.-Mazz. in Karsten & Schenk, Vegetationsbilder 20(7): 16. 1930. *Scirpus densus* Wall. in Roxb. Fl. Ind. 1: 231. 1820. *Bulbostylis capillaris* var. *trifida* (Nees) Clarke in Hook. f. Fl. Brit. India 6: 652. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1153. 1957 (repr. ed.). *Isolepis trifida* Nees in Wight, Contrib. 108. 1834.

A herb, in open marshy places; stem setaceous.

Distrib.: Madurai, Nilgiri, Salem, Tiruchchirappalli, Tirunelveli.

Bulbostylis puberula (Poir.) Clarke var. **gracilis** Fischer in Gamble, Fl. Pres. Madras 1662. 1931 & 3: 1153. 1957 (repr. ed.).

A tufted slender puberulous herb, in marshy places.

Distrib.: Tirunelveli (Fischer 1957). R.

Carex baccans Nees in Wight, Contrib. 122. 1834; Clarke in Hook. f. Fl. Brit. India 6: 722. 1894; Fischer in Gamble,

Fl. Pres. Madras 3: 1169. 1957 (repr. ed.).

A coarse perennial herb, on wet slopes of open forests.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Tirunelveli.

Carex breviculmis R. Br. Prodr. 242. 1810; Clarke in Hook. f. Fl. Brit. India 6: 746. 1894; Fischer in Gamble, Fl. Pres. Madras 3: 1168. 1957 (repr. ed.).

A tall slender herb, in moist places.

Distrib.: Madurai and Nilgiri (Fischer 1957).

Carex christii Boeckeler, Beitr. Cyper. 1: 44. 1888; Fischer in Gamble, Fl. Pres. Madras 3: 1168. 1957 (repr. ed.).

A perennial herb with spicate inflorescence, in hills.

Distrib.: Nilgiri (Fischer 1957). R.

Carex eluta Nelmes in Kew Bull. 1940: 271. 1940; Karthik. & Sharma in J. Bombay Nat. Hist. Soc. 80: 76. 1983.

A perennial herb.

Distrib.: Tamil Nadu (Karthik. & Sharma 1983).

Carex filicina Nees in Wight, Contrib. 123. 1834; Clarke in Hook. f. Fl. Brit. India 6: 717. 1894; Fyson, Fl. South Indian Hill St. 2: t. 581. 1932; Fischer in Gamble, Fl. Pres. Madras 3: 1169. 1957 (repr. ed.).

A slender herb with lax spikes, in hills.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri.

Carex glaucina Boeckeler in Linnaea 40: 353. 1876. *C. mercarensis* Hochst. ex Steud. var. *major* Steud. ex Clarke in Hook. f. Fl. Brit. India 6: 719. 1894. *C. lindleyana* Nees var. *major* (Steud. ex Clarke) Fischer in Gamble, Fl. Pres. Madras 3: 1169. 1957 (repr. ed.).

A perennial herb with lax puberulous panicles; in wet places on hills.

Distrib.: Kanniyakumari.

Carex hebecarpa C. Meyer var. **ligulata** (Nees) Kuek. in Engler, *Pflanzenr.* 38: 745. 1909; Fischer in Gamble, *Fl. Pres. Madras* 3: 1168. 1957 (repr. ed.). *C. ligulata* Nees in Wight, *Contrib.* 127. 1834; Clarke in Hook. f. *Fl. Brit. India* 6: 747. 1894; Fischer in Gamble, *Fl. Pres. Madras* 3: 1169. 1957 (repr. ed.).

A stoloniferous perennial herb, along the fringes of forests; stem triquetrous, inflorescence racemose.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem.

Carex lateralis Kuek. in Engler, *Pflanzenr.* 38: 639. 1909; Kern & Nooteboom in Steenis, *Fl. Males. ser. 1.* 9: 146. 1979. *C. jackiana* var. *minor* Clarke in Hook. f. *Fl. Brit. India* 6: 735. 1894 p.p.; *C. jackiana sensu* Fischer in Gamble, *Fl. Pres. Madras* 3: 1168. 1957 (repr. ed.), non Boott 1845.

A loosely tufted herb, in moist places; rhizome short.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem and Tirunelveli (Fischer 1957).

Carex lenta D. Don in *Trans. Linn. Soc. London* 14: 327. 1825. *C. brunnea sensu* Clarke in Hook. f. *Fl. Brit. India* 6: 705. 1894, non Thunb. 1784; Fischer in Gamble, *Fl. Pres. Madras* 3: 1168. 1957 (repr. ed.).

A perennial herb with short woody rhizome and interrupted fascicles of spikelets.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Carex leucantha Arn. ex Boott in *Proc. Linn. Soc. London* 1: 257. 1845; Clarke in Hook. f. *Fl. Brit. India* 6: 721. 1894;

Fischer in Gamble, *Fl. Pres. Madras* 3: 1168. 1957 (repr. ed.).

A slender herb with overtopping leaves and androgynous few-flowered spikelets, in hills.

Distrib.: Tirunelveli.

Carex lindleyana Nees in Wight, *Contrib.* 121. 1834, var. **lindleyana**; Clarke in Hook. f. *Fl. Brit. India* 6: 721. 1894; Fischer in Gamble, *Fl. Pres. Madras* 3: 1169. 1957 (repr. ed.).

A slender herb with paniculate inflorescence and crowded spikelets, along wet places on hills.

Distrib.: Coimbatore (Fischer 1957), Madurai, Nilgiri.

***Carex lindleyana** Nees var. **mercurensis** (Hochst. ex Steud.) Fischer in Gamble, *Fl. Pres. Madras* 1687. 1931 & 3: 1169. 1957 (repr. ed.). *C. mercurensis* Hochst. ex Steud. *Syn. Pl. Glumac.* 194. 1855; Clarke in Hook. f. *Fl. Brit. India* 6: 719. 1894.

A slender herb with lax panicles and narrow spikelets, in hills along moist places.

Distrib.: Nilgiri, Tirunelveli (Fischer 1957).

Carex longicuris Nees in Wight, *Contrib.* 124. 1834; Clarke in Hook. f. *Fl. Brit. India* 6: 705. 1894; Fischer in Gamble, *Fl. Pres. Madras* 3: 1168. 1957 (repr. ed.).

A slender herb.

Distrib.: Coimbatore and Nilgiri (Fischer 1957).

Carex longipes D. Don var. **dissitiflora** Clarke in Hook. f. *Fl. Brit. India* 6: 705. 1894; Fischer in Gamble, *Fl. Pres. Madras* 3: 1168. 1957 (repr. ed.).

A small slender herb with spikelets on short peduncles; in hills.

*Sometimes included in *C. raphidocarpa* Nees

Distrib.: Coimbatore, Madurai, Nilgiri.

Carex maculata Boott in Trans. Linn. Soc. London 20: 128. 1846; Clarke in Hook. f. Fl. Brit. India 6: 735. 1894; Fischer in Gamble, Fl. Pres. Madras 3: 1169. 1957 (repr. ed.).

A perennial herb; rhizome small, woody; utricles subsessile, pilose; in moist places of hills.

Distrib.: Nilgiri, Tirunelveli.

Carex myosurus Nees in Wight, Contrib. 122. 1834; Clarke in Hook. f. Fl. Brit. India 6: 723. 1894; Fyson, Fl. South Indian Hill St. 2: t. 582. 1932; Fischer in Gamble, Fl. Pres. Madras 3: 1169. 1957 (repr. ed.).

A herb; rhizome stout, erect, short; spikelets linear, utricles trigonous; in marshy place in hills.

Distrib.: Coimbatore, Madurai, Nilgiri.

Carex nubigena D. Don in Trans. Linn. Soc. London 14: 326. 1825; Clarke in Hook. f. Fl. Brit. India 6: 702. 1894; Fyson, Fl. South Indian Hill St. 2: t. 579. 1932; Fischer in Gamble, Fl. Pres. Madras 3: 1168. 1957 (repr. ed.).

A perennial, rhizomatous densely tufted herb, in moist places on hills.

Distrib.: Coimbatore, Madurai (Fischer 1957), Nilgiri.

Carex phacota Spreng. Syst. Veg. 3: 826. 1826; Clarke in Hook. f. Fl. Brit. India 6: 708. 1894; Fischer in Gamble, Fl. Pres. Madras 3: 1169. 1957 (repr. ed.).

A perennial, tufted herb, in marshy places at higher elevations.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem, Tirunelveli.

Carex pseudoaperta Boeckeler ex Kuek. in Engler, Pflanzenr. 38: 325. 1909;

Fischer in Gamble, Fl. Pres. Madras 3: 1169. 1957 (repr. ed.).

A perennial, tufted herb.

Distrib.: Nilgiri. O. R.

Carex raphidocarpa Nees in Wight, Contrib. 122. 1834; Clarke in Hook. f. Fl. Brit. India 6: 719. 1894; Fischer in Gamble, Fl. Pres. Madras 3: 1169. 1957 (repr. ed.).

A stout herb at higher elevations.

Distrib.: Madurai (Fischer 1957). O. R.

Carex rara Boott in Proc. Linn. Soc. London 1: 284. 1845; Clarke in Hook. f. Fl. Brit. India 6: 713. 1894; Fischer in Gamble, Fl. Pres. Madras 3: 1309. 1957 (repr. ed.).

A perennial; rhizome short; spikelets terminal, androgynous; in hills.

Distrib.: Nilgiri.

Carex speciosa Kunth, Enum. Pl. 2: 504. 1837; Clarke in Hook. f. Fl. Brit. India 6: 729. 1894; Fischer in Gamble, Fl. Pres. Madras 3: 1169. 1957 (repr. ed.).

A rhizomatous tufted herb, at higher elevations.

Distrib.: Nilgiri, Salem.

Carex vicinalis Boott, Ill. 4: 133. t. 428. f. 2. 1867; Clarke in Hook. f. Fl. Brit. India 6: 735. 1894; Fischer in Gamble, Fl. Pres. Madras 3: 1169. 1957 (repr. ed.).

A stout herb with overtopping inflorescence; male spikelets 3, congested; female many, distant on slender peduncle.

Distrib.: Nilgiri (Fischer 1957). O. R.

Carex walkeri Arn. ex Boott in Proc. Linn. Soc. London 1: 257. 1845; Clarke in Hook. f. Fl. Brit. India 6: 725. 1894; Fischer in Gamble, Fl. Pres. Madras 3: 1168. 1957 (repr. ed.).

A glabrous herb with tall stem and spicate inflorescence.

Distrib.: Nilgiri, Tirunelveli (Fischer 1957). **R.**

Carex wallichiana Spreng. Syst. Veg. 3: 812. 1826. *C. foliosa* D. Don in Trans. Linn. Soc. London 14: 327. 1825, non All. 1785; Fischer in Gamble, Fl. Pres. Madras 3: 1168. 1957 (repr. ed.). *C. muricata* L. var. *foliosa* (D. Don) Clarke in Hook. f. Fl. Brit. India 6: 703. 1894.

A small rhizomatous herb; in fringes of forests at higher elevation.

Distrib.: Madurai (Fischer 1957), Nilgiri.

Carex wightiana Nees in Wight, Contrib. 122. 1834; Clarke in Hook. f. Fl. Brit. India 6: 720. 1894; Fischer in Gamble, Fl. Pres. Madras 3: 1169. 1957 (repr. ed.).

A perennial herb with stout rhizome and paniculate inflorescence.

Distrib.: Tirunelveli (Fischer 1957). **O. R.**

***Cyperus alopecuroides** Rottb. Descr. Pl. Rar. 20. 1772 & Descr. Icon. Rar. Pl. 38. t. 8. f. 2. 1773. *Juncellus alopecuroides* (Rottb.) Clarke in Hook. f. Fl. Brit. India 6: 595. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1132. 1957 (repr. ed.).

A perennial herb with short rhizome in swamps and lake margins.

Distrib.: Coimbatore, Salem.

Cyperus arenarius Retz. Obs. Bot. 4: 9. 1786; Clarke in Hook. f. Fl. Brit. India 6: 602. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1140. 1957 (repr. ed.).

A small stoloniferous herb, in coastal areas.

Distrib.: Chengalpattu, Kanniyakumari, Ramanathapuram, Thanjavur, Tirunelveli.

Cyperus articulatus L. Sp. Pl. 44. 1753; Clarke in Hook. f. Fl. Brit. India 6: 611. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1140. 1957 (repr. ed.); Matthew, Ill. Fl. Tamilnadu Carnatic t. 780. 1982.

A perennial robust herb, in moist places.

Distrib.: Chengalpattu, Coimbatore, Tiruchchirappalli (RHT).

Cyperus brevifolius (Rottb.) Hassk. Cat. Bogor. 24. 1844. *Kyllinga brevifolia* Rottb. Descr. Icon. Rar. Pl. 13. t. 4. f. 3. 1773; Clarke in Hook. f. Fl. Brit. India 6: 588. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1130. 1957 (repr. ed.).

A perennial herb, in marshy places.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Cyperus bulbosus Vahl, Enum. Pl. 2: 342. 1805; Clarke in Hook. f. Fl. Brit. India 6: 611. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1140. 1957 (repr. ed.).

A slender, stoloniferous perennial herb, in sandy places.

Distrib.: Chengalpattu, Coimbatore, Ramanathapuram, Tirunelveli.

Cyperus castaneus Willd. Sp. Pl. 1: 278. 1797; Clarke in Hook. f. Fl. Brit. India 6: 598. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1139. 1957 (repr. ed.).

A small annual herb, in open wetlands.

Distrib.: Chengalpattu, North Arcot; Pudukkottai and Tiruchchirappalli (RHT), Tirunelveli.

Cyperus cephalotes Vahl, Enum. Pl. 2: 311. 1805; Clarke in Hook. f. Fl. Brit. India 6: 597. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1139. 1957 (repr. ed.).

*The treatment of *Cyperus* L. is in its wider sense.

A perennial herb with slender stolons, in marshy places.

Distrib.: Coimbatore, Tirunelveli (UCT).

Cyperus clarkei Cooke, Fl. Pres. Bombay 2: 873. 1908. *Mariscus bulbosus* Clarke in Hook. f. Fl. Brit. India 6: 620. 1893, non Steud. 1855; Fischer in Gamble, Fl. Pres. Madras 3: 1142. 1957 (repr. ed.). *M. clarkei* (Cooke) Koyama in J. Jap. Bot. 51: 313. 1976; Britto & Matthew in Matthew, Fl. Tamilnadu Carnatic 3: 1770. 1983.

A herb with short stoloniferous rhizome.

Distrib.: Salem (Britto & Matthew 1983).

Cyperus compactus Retz. Obs. Bot. 5: 10. 1789. *Mariscus microcephalus* Presl, Reliq. Haenk. 1: 182. 1828; Clarke in Hook. f. Fl. Brit. India 6: 624. 1893. *M. compactus* (Retz.) Boldingh, Zakfl. Java 77. 1916; Fischer in Gamble, Fl. Pres. Madras 3: 1143. 1957 (repr. ed.).

A perennial herb, in wet places.

Distrib.: Chengalpattu (Fischer 1957), Tirunelveli.

Cyperus compressus L. Sp. Pl. 46. 1753, emend. Dandy in Exell, Cat. S. Tome 357. 1944; Clarke in Hook. f. Fl. Brit. India 6: 605. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1140. 1957 (repr. ed.).

An annual herb; stem tufted, variable in size; in open grasslands.

Distrib.: Almost all districts.

Cyperus corymbosus Rottb. Descr. Icon. Rar. Pl. 42. t. 7. f. 4. 1773; Clarke in Hook. f. Fl. Brit. India 6: 612. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1140. 1957 (repr. ed.).

A perennial herb; rhizome creeping; stem terete below, trigonous above, spongy; in marshy places.

Distrib.: Chengalpattu (Mayuranathan 1929), Salem. E.

Cyperus curvibracteatus Govindarajalu in Proc. Indian Acad. Sci. 88B: 231. 1979.

An annual herb with capillaceous caespitose culms, in hills.

Distrib.: Nilgiri (Govindarajalu 1979).

Cyperus cuspidatus Kunth in H.B.K. Nov. Gen. Sp. 1: 204. 1815; Clarke in Hook. f. Fl. Brit. India 6: 598. 1893. *C. uncinatus* sensu Fischer in Gamble, Fl. Pres. Madras 3: 1139. 1957 (repr. ed.), non Poir. 1806.

A small annual herb, in open moist places.

Distrib.: Coimbatore (Fischer 1921), Madurai.

Cyperus cyperinus (Retz.) Valcken. Cyperus 154. t. 6. f. 10. 1898. *Kyllingia cyperina* Retz. Obs. Bot. 6: 21. 1791. *Mariscus cyperinus* (Retz.) Vahl, Enum. Pl. 2: 377. 1806; Clarke in Hook. f. Fl. Brit. India 6: 621. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 143. 1957 (repr. ed.).

A perennial herb, in shady places.

Distrib.: Chengalpattu (Mayuranathan 1929), Coimbatore, Kanniyakumari, Madurai, Nilgiri.

Cyperus cyperoides (L.) Kuntze, Rev. Gen. Pl. 3: 333. 1898. *Scirpus cyperoides* L. Mant. Pl. 181. 1771. *Mariscus sieberianus* Nees ex Clarke in Hook. f. Fl. Brit. India 6: 622. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1143. 1957 (repr. ed.).

A perennial herb, in shady places at higher elevation.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem, Tirunelveli.

Cyperus difformis L. Cent. Pl. 2: 6. 1756; Clarke in Hook. f. Fl. Brit. India 6: 599. 1893; Fischer in Gamble, Fl.

Pres. Madras 3: 1139. 1957 (repr. ed.); Matthew, Ill. Fl. Tamilnadu Carnatic t. 781. 1982.

An annual tufted herb with fibrous reddish roots, in open grasslands.

Distrib.: Almost all districts.

Cyperus diffusus Vahl, Enum. Pl. 2: 321. 1805, var. **diffusus**; Clarke in Hook. f. Fl. Brit. India 6: 603. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1139. 1957 (repr. ed.).

A perennial herb, in moist forests.

Distrib.: Coimbatore.

Cyperus diffusus Vahl var. **macrostachyus** Boeckeler in Linnaea 35: 534. 1868. *C. pubisquama* Steud. Syn. Pl. Glumac. 2: 20. 1855; Clarke in Hook. f. Fl. Brit. India 6: 604. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1139. 1957 (repr. ed.).

A perennial herb, in moist forests of hills.

Distrib.: Nilgiri.

Cyperus digitatus Roxb. Fl. Ind. 1: 209. 1820; Clarke in Hook. f. Fl. Brit. India 6: 618. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1141. 1957 (repr. ed.).

A perennial large herb, in marshy places.

Distrib.: Nilgiri, Salem, Tiruchchirappalli (RHT).

Cyperus distans L. f. Suppl. Pl. 103. 1781, var. **distans**; Clarke in Hook. f. Fl. Brit. India 6: 607. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1140. 1957 (repr. ed.).

A perennial herb with short creeping rhizome, in wetlands.

Distrib.: Chengalpattu, Coimbatore, Madurai, Nilgiri, Salem, Tiruchchirappalli (RHT), Tirunelveli.

Cyperus distans L. f. var. **pseudonutans** Kuek. in Engler, Pflanzenr. 101: 140. 1935. *C. nutans* auct. non Vahl 1805; Clarke in Hook. f. Fl. Brit. India 6: 607. 1893 p.p.

A perennial herb with short creeping rhizome, in rice fields and meadows.

Distrib.: Coimbatore, Madurai, Nilgiri.

Cyperus dubius Rottb. Descr. Icon. Rar. Pl. 20. t. 4. f. 5. 1773. *Mariscus dubius* (Rottb.) Kuek. ex Fischer in Gamble, Fl. Pres. Madras 1644. 1931 & 3: 1142. 1957 (repr. ed.). *M. dregeanus* Kunth, Enum. Pl. 2: 120. 1837; Clarke in Hook. f. Fl. Brit. India 6: 620. 1893.

A perennial herb, in open sandy places.

Distrib.: Almost all districts.

Cyperus elatus L. Cent. Pl. 2: 301. 1756; Clarke in Hook. f. Fl. Brit. India 6: 618. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1141. 1957 (repr. ed.).

A perennial herb, on river banks and in swamps.

Distrib.: Coimbatore.

Cyperus esculentus L. Sp. Pl. 45. 1753; Clarke in Hook. f. Fl. Brit. India 6: 616. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1141. 1957 (repr. ed.).

A perennial stoloniferous herb with tubers; in wet places.

Distrib.: Coimbatore, Nilgiri (Fischer 1957). E.

Cyperus exaltatus Retz. Obs. Bot. 5: 11. 1789; Clarke in Hook. f. Fl. Brit. India 6: 617. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1141. 1957 (repr. ed.).

A perennial large herb, in wetlands.

Distrib.: Almost all districts.

Cyperus flabelliformis Rottb. Descr. Pl. Rar. 22. 1772 & Descr. Icon. Rar. Pl.

42, t. 12, f. 2. 1773; Sharma et al. in Biol. Mem. 2 (1 & 2): 155. 1977.

A perennial herb.

Distrib.: Nilgiri (Sharma et al. 1977).

Cyperus flavescens L. Sp. Pl. 46. 1753. *Pycreus flavescens* (L.) Reichb. f. Fl. Germ. Excurs. 1: 72. 1830; Hook. f. Fl. Brit. India 6: 589. 1893; Britto & Matthew in Matthew, Fl. Tamilnadu Carnatic 3: 1776. 1983.

A slender herb in shallow marshy fields.

Distrib.: Salem and Tiruchchirappalli (Matthew 1981).

Cyperus flavidus Retz. Obs. Bot. 5: 13. 1789. *Pycreus capillaris* Nees in Linnaea 9: 283. 1834; Clarke in Hook. f. Fl. Brit. India 6: 591. 1893 incl. var. *nilagiricus*. *P. globosus* Reichb. f. Fl. Germ. Excurs. 2: 140. 1830; Fischer in Gamble, Fl. Pres. Madras 3: 1132. 1957 (repr. ed.).

A small annual or perennial herb, in open wetlands.

Distrib.: Chengalpattu, Coimbatore, Nilgiri, North Arcot, Salem, South Arcot, Tiruchchirappalli.

Cyperus halpan L. Sp. Pl. 45. 1753, "haspan"; Clarke in Hook. f. Fl. Brit. India 6: 600. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1139. 1957 (repr. ed.).

A perennial stoloniferous herb with reddish roots, common in wetlands.

Distrib.: Chengalpattu (Mayuranathan 1929), Coimbatore, Nilgiri, Tiruchchirappalli (RHT), Tirunelveli.

Cyperus hyalinus Vahl, Enum. Pl. 2: 329. 1805. *Pycreus pumilus* Clarke in Hook. f. Fl. Brit. India 6: 591. 1893 quoad descr. *P. hyalinus* (Vahl) Domin, Bibl. Bot. 20(85): 417. 1915; Fischer in Gamble, Fl. Pres. Madras 3: 1132. 1957 (repr. ed.).

An annual small herb with fibrous roots, in sandy places at low elevations.

Distrib.: Chengalpattu, Coimbatore, Nilgiri.

Cyperus imbricatus Retz. Obs. Bot. 5: 12. 1788; Fischer in Gamble, Fl. Pres. Madras 3: 1141. 1957 (repr. ed.). *C. radiatus* Vahl, Enum. Pl. 2: 369. 1805; Clarke in Hook. f. Fl. Brit. India 6: 617. 1893.

A perennial herb, on river banks and in wetlands.

Distrib.: Madurai, Nilgiri.

Cyperus iria L. Sp. Pl. 45. 1753; Clarke in Hook. f. Fl. Brit. India 6: 606. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1140. 1957 (repr. ed.).

An annual or perennial herb, in open wet places.

Distrib.: Almost all districts.

Cyperus kyllingia Endlicher, Cat. Horti Vindob. 1: 94. 1842. *Kyllinga monocephala* Rottb. Descr. Icon. Rar. Pl. 13. t. 4. f. 4. 1773, non *Cyperus monocephalus* Roxb. 1820; Clarke in Hook. f. Fl. Brit. India 6: 588. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1130. 1957 (repr. ed.).

A perennial rhizomatous, aromatic herb along streams and in wastelands.

Distrib.: Almost all districts.

Cyperus laevigatus L. Mant. Pl. 179. 1771; Matthew, Ill. Fl. Tamilnadu Carnatic t. 783. 1982. *Juncellus laevigatus* (L.) Clarke in Hook. f. Fl. Brit. India 6: 596. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1133. 1957 (repr. ed.).

A small herb, in marshy places.

Distrib.: Coimbatore, Ramanathapuram, Tiruchchirappalli (RHT), Tirunelveli.

Cyperus latovaginata Govindarajalu in J. Indian Bot. Soc. 52: 74. 1973 (1974).

A perennial tufted herb with woolly roots and broad prominent many-nerved sheaths.

Distrib.: Madurai (Govindarajalu 1974).

Cyperus lurida Govindarajalu in Proc. Indian Acad. Sci. 81 B: 189. 1975.

An annual herb, characterised by strict, rigid culms.

Distrib.: Coimbatore (Govindarajalu 1975).

Cyperus maderaspatanus Willd. Sp. Pl. 1: 278. 1797. *Mariscus squarrosus* Clarke in Hook. f. Fl. Brit. India 6: 623. 1893, quoad descr.; Fischer in Gamble, Fl. Pres. Madras 3: 1143. 1957 (repr. ed.).

An annual small herb with fibrous roots, in wetlands.

Distrib.: Chengalpattu, Tirunelveli.

Cyperus melanospermus (Nees) Valcken. *Cyperus* 50. t. 2. f. 8. 1898, subsp. **melanospermus**. *Kyllinga melanosperma* Nees in Wight, Contrib. 91. 1834; Clarke in Hook. f. Fl. Brit. India 6: 588. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1130. 1957 (repr. ed.).

A perennial herb with creeping slender rhizome and purplish red leaf sheath; in swamps.

Distrib.: Coimbatore, Kanniyakumari (RHT), Madurai, Nilgiri, Salem, Tiruchchirappalli, Tirunelveli.

Cyperus melanospermus (Nees) Valcken. subsp. **bifolius** (Miq.) Kern in Reinwardtia 3: 62. f. 12. 1954; Govindarajalu in Bull. Bot. Surv. India 8: 352. 1966. *Kyllinga bifolia* Miq. Fl. Ind. Bat. 3: 293. 1856.

A perennial herb with larger spikelets and yellowish brown achenes.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri (Govindarajalu 1966), Pudukkottai and Tiruchchirappalli (RHT).

Cyperus nutans Vahl, Enum. Pl. 2: 363. 1805, var. **nutans**; Clarke in Hook. f. Fl. Brit. India 6: 607. 1893 p.p.; Fischer in Gamble, Fl. Pres. Madras 3: 1140. 1957 (repr. ed.).

A perennial herb, in wetlands.

Distrib.: Salem, Tirunelveli.

Cyperus nutans Vahl var. **eleusinoides** (Kunth) Haines, Bot. Bihar Orissa 5: 898. 1924. *C. eleusinoides* Kunth, Enum. Pl. 2: 39. 1837; Clarke in Hook. f. Fl. Brit. India 6: 608. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1140. 1957 (repr. ed.).

A perennial large herb, in swamps.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Ramanathapuram, Salem, Tiruchchirappalli (RHT).

Cyperus pachyrrhizus Nees ex Boeckeler in Linnaea 35: 545. 1868; Clarke in Hook. f. Fl. Brit. India 6: 602. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1140. 1957 (repr. ed.).

A perennial herb, in coastal regions.

Distrib.: Ramanathapuram, Tirunelveli.

Cyperus pangorei Rottb. Descr. Pl. Rar. 18. 1772 & Descr. Icon. Rar. Pl. 31. t. 7. f. 3. 1773; Fischer in Gamble, Fl. Pres. Madras 3: 1140. 1957 (repr. ed.). *C. tegetum* Roxb. Fl. Ind. 1: 211. 1820; Clarke in Hook. f. Fl. Brit. India 6: 613. 1893.

Tamil: *Pangorai*.

A perennial herb with creeping rhizome along streams and in swamps.

Distrib.: Almost all districts. E.

Cyperus paniceus (Rottb.) Boeckeler in Linnaea 36: 381. 1870 p.p. *Schaenoides paniceus* Rottb. Descr. Pl. Rar. 15. 1772. *Mariscus paniceus* (Rottb.) Vahl, Enum. Pl. 2: 373. 1805; Clarke in Hook. f. Fl. Brit. India 6: 620. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1143. 1957 (repr. ed.).

A perennial herb, in open grasslands.

Distrib.: Chengalpattu, Coimbatore, Madurai, Nilgiri, North Arcot, Tiruchchirappalli, Tirunelveli.

Cyperus pilosus Vahl, Enum. Pl. 2: 354. 1805; Clarke in Hook. f. Fl. Brit. India 6: 609. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1140. 1957 (repr. ed.).

A perennial herb, in open wetlands.

Distrib.: Madurai, Nilgiri, Tirunelveli.

Cyperus platyphyllus Roem. & Schultes Syst. 2: 876. 1817; Clarke in Hook. f. Fl. Brit. India 6: 618. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1141. 1957 (repr. ed.).

A perennial large aquatic herb, along tanks or in marshes.

Distrib.: Tiruchchirappalli (RHT).

Cyperus platystylis R. Br. Prodr. 214. 1810; Clarke in Hook. f. Fl. Brit. India 6: 597. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1139. 1957 (repr. ed.).

A perennial large herb, in swamps.

Distrib.: Chengalpattu, Coimbatore; Tiruchchirappalli and Tirunelveli (RHT).

Cyperus plumbeonucea Govindarajalu in J. Indian Bot. Soc. 52: 76. 1973 (1974).

An annual herb with taller culms, simple contracted rayless inflorescence.

Distrib.: Madurai (Govindarajalu 1974).

Cyperus polyanthelus Govindarajalu in Proc. Indian Acad. Sci. 88 B: 234. 1979.

A perennial herb with woody rhizome and thick roots.

Distrib.: Coimbatore, Kanniyakumari and Madurai (Govindarajalu 1979).

Cyperus polystachyos Rottb. Descr. Pl. Rar. 21. 1772, var. **polystachyos**. *Pycreus polystachyos* (Rottb.) Beauv. Pl. Oware &

Benin 2: 48. t. 86. f. 2. 1807; Clarke in Hook. f. Fl. Brit. India 6: 592. 1893. *P. odoratus* Urban, Symb. Antill. 2: 164. 1900; Fischer in Gamble, Fl. Pres. Madras 3: 1132. 1957 (repr. ed.).

An annual or perennial herb, in open damp places.

Distrib.: Chengalpattu, Coimbatore, Madurai, Nilgiri, North Arcot, Salem, Tiruchchirappalli (RHT), Tirunelveli.

Cyperus polystachyos Rottb. var. **laxiflorus** Benth. Fl. Austral. 7: 261. 1878. *Pycreus polystachyos* (Rottb.) Beauv. var. *laxiflorus* (Benth.) Clarke in Hook. f. Fl. Brit. India 6: 592. 1893.

A small herb with spreading spikelets, along marshy places.

Distrib.: Tirunelveli.

Cyperus procerus Rottb. Descr. Icon. Rar. Pl. 29. t. 5. f. 3. 1773; Clarke in Hook. f. Fl. Brit. India 6: 610. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1140. 1957 (repr. ed.).

A perennial with stoloniferous rhizome, in open swamps.

Distrib.: Chengalpattu, Pudukkottai (RHT), South Arcot, Thanjavur, Tiruchchirappalli (RHT).

Cyperus pulchellus R. Br. Prodr. 213. 1810. *C. leucocephalus* auct. non Retz. 1789; Clarke in Hook. f. Fl. Brit. India 6: 602. 1893 p.p.; Fischer in Gamble, Fl. Pres. Madras 3: 1140. 1957 (repr. ed.).

A herb along sea coast and river banks.

Distrib.: Tamil Nadu (Naithani & Raizada 1977).

Cyperus pumilus L. Cent. Pl. 2: 6. 1756. *Pycreus pumilus* (L.) Nees ex Clarke in Hook. f. Fl. Brit. India 6: 591. 1893, quoad basionym. *P. nitens* Nees in Nov. Act. Nat. Cur. 19 (Suppl.) 1: 53.

1843; Clarke in Hook. f. Fl. Brit. India 6: 591. 1893.

An annual with fibrous yellowish roots, in open marshy places.

Distrib.: Chengalpattu (Mayuranathan 1929), Coimbatore, Nilgiri, North Arcot, Pudukkottai (RHT), South Arcot, Tiruchchirappalli, Tirunelveli.

Cyperus puncticulatus Vahl, Enum. Pl. 2: 348. 1805. *Pycreus puncticulatus* (Vahl) Nees in Mart. Fl. Bras. 2(1): 10 in nota 1842; Clarke in Hook. f. Fl. Brit. India 6: 593. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1133. 1957 (repr. ed.).

A herb in marshy places.

Distrib.: Tamilnadu Carnatic (Britto & Matthew 1983).

Cyperus pygmaeus Rottb. Descr. Icon. Rar. Pl. 20. t. 14. ff. 4 & 5. 1773. *Juncellus pygmaeus* (Rottb.) Clarke in Hook. f. Fl. Brit. India 6: 596. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1133. 1957 (repr. ed.).

An annual herb, in dry zones.

Distrib.: Chengalpattu, Coimbatore, Pudukkottai, Ramanathapuram, Salem.

Cyperus rotundus L. Sp. Pl. 45. 1753, subsp. *rotundus*; Clarke in Hook. f. Fl. Brit. India 6: 614. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1140. 1957 (repr. ed.).

Tamil: *Korai Kizhangu*.

A perennial; rhizome short with long slender stolon ending with blackish tubers; in open lands.

Distrib.: Almost all districts. E.

Cyperus rotundus L. subsp. *tuberosus* (Rottb.) Kuek. in Engler, Pflanzenr. 101: 113. 1935. *C. tuberosus* Rottb. Descr. Pl. Rar. 18. 1772 & Descr. Icon. Rar. Pl. 28. t. 7. f. 1. 1773; Clarke in Hook. f. Fl. Brit. India 6: 616. 1893.

A tall herb with stout base and slender spikelets, in open places.

Distrib.: Coimbatore, North Arcot, Thanjavur.

Cyperus rubicundus Vahl, Enum. Pl. 2: 308. 1805; Britto & Matthew in Matthew, Fl. Tamilnadu Carnatic 3: 1743. 1983. *C. teneriffae* Poir. in Lam. Encycl. 7: 245. 1806; Clarke in Hook. f. Fl. Brit. India 6: 601. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1139. 1931.

Stem tufted, trigonous; spikelets 5-7 in a cluster, digitate, stellate, oblong, purple.

Distrib.: Chengalpattu, Coimbatore, Nilgiri.

Cyperus rubriglomosus Govindarajalu in Proc. Indian Acad. Sci. 88B: 229. 1979.

A woody, stoloniferous annual herb.

Distrib.: Chengalpattu (Govindarajalu 1979).

Cyperus sanguinolentus Vahl, Enum. Pl. 2: 351. 1805. *Pycreus sanguinolentus* (Vahl) Nees in Linnaea 9: 283. 1834; Clarke in Hook. f. Fl. Brit. India 6: 59. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1132. 1957 (repr. ed.).

An annual or perennial herb with short rhizome, in wet open places.

Distrib.: Coimbatore, Madurai, Nilgiri, Tiruchchirappalli (RHT).

Cyperus sesquiflorus (Torr.) Mattf. & Kuek. var. *cylindricus* (Nees) Kuek. in Engler, Pflanzenr. 101: 593. 1936. *Kyllinga cylindrica* Nees in Wight, Contrib. 91. 1834, incl. var. *subtriceps* Nees; Clarke in Hook. f. Fl. Brit. India 6: 588. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1130. 1957 (repr. ed.).

A perennial herb; heads cylindrical; in elevated shady places.

Distrib.: Madurai. R.

Cyperus squarrosus L. Cent. Pl. 2: 6. 1756. *C. aristatus* Rottb. Descr. Pl. Rar. 22. 1772 & Descr. Icon. Rar. Pl. 38. t. 6. f. 1. 1773; Clarke in Hook. f. Fl. Brit. India 6: 606. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1140. 1957 (repr. ed.).

A small annual with fibrous roots, in sandy places.

Distrib.: Almost all districts.

Cyperus stoloniferous Retz. Obs. Bot. 4: 10. 1786; Clarke in Hook. f. Fl. Brit. India 6: 615. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1141. 1957 (repr. ed.).

A perennial shrub with long creeping stolon, in open sandy areas.

Distrib.: Chengalpattu (Mayuranathan 1929), Coimbatore, Dharmapuri.

Cyperus stricticulmis Govindarajalu in Proc. Indian Acad. Sci. 81B: 194. 1975.

A stoloniferous herb with caespitose, rigid, glaucous culms; inflorescence simple, 1-3-rayed.

Distrib.: Coimbatore (Govindarajalu 1975).

Cyperus substramineus Kuek. in Engler, Pflanzenr. 101: 398. 1936. *C. stramineus* Nees in Wight, Contrib. 74. 1834, non Desf. 1820. *Pycrus stramineus* (Nees) Clarke in Hook. f. Fl. Brit. India 6: 589. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1132. 1957 (repr. ed.).

An annual herb with fibrous aromatic roots, in marshes.

Distrib.: Coimbatore, Madurai.

Cyperus sulcinux Clarke in J. Linn. Soc. Bot. 21: 56. 1884. *Pycrus sulcinux* (Clarke) Clarke in Hook. f. Fl. Brit. India 6: 593. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1132. 1957 (repr. ed.).

A herb.

Distrib.: Coimbatore (Fischer 1957). R.

Cyperus tenuiculmis Boeckeler in Linnaea 36: 286. 1870. *C. zollingeri* auct. non Steud. 1855; Clarke in Hook. f. Fl. Brit. India 6: 613. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1141. 1957 (repr. ed.).

A perennial with short creeping rhizome, in open grasslands at higher elevations.

Distrib.: Madurai, Nilgiri.

Cyperus tenuispica Steud. Syn. Pl. Glumac. 2: 11. 1855; Fischer in Gamble, Fl. Pres. Madras 3: 1139. 1957 (repr. ed.). *C. flavidus* sensu Clarke in Hook. f. Fl. Brit. India 6: 600. 1893, non Retz. 1789.

An annual slender herb, in wetlands.

Distrib.: Chengalpattu, Coimbatore, Madurai, Ramanathapuram, Salem, Thanjavur, Tiruchchirappalli, Tirunelveli.

Cyperus triceps (Rottb.) Endlicher, Cat. Horti Vindob. 1: 94. 1842. *Kyllinga triceps* Rottb. Descr. Icon. Rar. Pl. 14. t. 4. f. 6. 1773; Clarke in Hook. f. Fl. Brit. India 6: 587. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1130. 1957 (repr. ed.).

A perennial herb with short rhizome.

Distrib.: Chengalpattu, Coimbatore, North Arcot, Pudukkottai (RHT), South Arcot, Tiruchchirappalli (RHT), Tirunelveli (UCT).

Cyperus unioloides R. Br. Prodr. 216. 1810. *Pycrus angulatus* Nees in Linnaea 9: 283. 1834; Clarke in Hook. f. Fl. Brit. India 6: 593. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1132. 1957 (repr. ed.).

A perennial tufted herb, in open wetlands.

Distrib.: Madurai, Nilgiri.

Eleocharis acutangula (Roxb.) Schultes in Roem. & Schultes, Mant. 2: 91. 1824. *Scirpus acutangulus* Roxb. Fl. Ind. 1: 216. 1820. *Eleocharis fistulosa* Schultes

in Roem. & Schultes, Mant. 2: 89. 1824; Clarke in Hook. f. Fl. Brit. India 6: 626. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1145. 1957 (repr. ed.).

A perennial with short rhizome and long stolons; stem erect; spongy, in wet places.

Distrib.: Coimbatore, Madurai, North Arcot, South Arcot.

Eleocharis atropurpurea (Retz.) Presl, Reliq. Haenk. 1: 196. 1828; Clarke in Hook. f. Fl. Brit. India 6: 627. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1145. 1957 (repr. ed.). *Scirpus atropurpureus* Retz. Obs. Bot. 5: 14. 1788.

A small annual; stem tufted, erect, slender; in marshy places.

Distrib.: Chengalpattu, Coimbatore, Ramanathapuram, South Arcot, Tiruchchirappalli (RHT), Tirunelveli.

Eleocharis congesta D. Don, Prodr. Fl. Nep. 41. 1825; Clarke in Hook. f. Fl. Brit. India 6: 630. 1893; Fyson, Fl. South Indian Hill St. 2: t. 574. 1932; Fischer in Gamble, Fl. Pres. Madras 3: 1145. 1957 (repr. ed.). *E. chaetaria* Roem. & Schultes var. *subvivipara* (Boeckeler) Fischer in Gamble, Fl. Pres. Madras 1648. 1931 & 3: 1145. 1957 (repr. ed.). *E. subvivipara* Boeckeler in Linnaea 36: 424. 1870; Clarke in Hook. f. Fl. Brit. India 6: 629. 1893.

An annual or perennial herb with capillary stem and 6-7 perianth bristles; along marshy places and in wet wastelands.

Distrib.: Madurai, Nilgiri.

Eleocharis dulcis (Burm. f.) Henschel, Vita Rumph. 186. 1833. *Andropogon dulce* Burm. f. Fl. Ind. 219. 1768. *Eleocharis plantaginea* (Retz.) Roem. & Schultes, Syst. 2: 150. 1817; Clarke in Hook. f. Fl. Brit. India 6: 625. 1893; Fischer in Gamble, Fl. Pres. Madras 3:

1145. 1957 (repr. ed.). *Scirpus plantagineus* Retz. Obs. Bot. 5: 14. 1788.

A perennial, stoloniferous herb, in open wetlands.

Distrib.: Chengalpattu, Tirunelveli.

Eleocharis geniculata (L.) Roem. & Schultes, Syst. 2: 150. 1817. *Scirpus geniculatus* L. Sp. Pl. 48. 1753. *Eleocharis capitata* R. Br. Prodr. 225. 1810; Clarke in Hook. f. Fl. Brit. India 6: 627. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1145. 1957 (repr. ed.).

An annual, stem tufted; in open wetlands.

Distrib.: Chengalpattu, Kanniyakumari, Madurai, North Arcot, Salem, South Arcot, Tiruchchirappalli, Tirunelveli.

Eleocharis retroflexa (Poir.) Urban, Symb. Antill. 2: 165. 1900; Kern in Steenis, Fl. Males. ser. 1. 7: 534. 1974. *Scirpus retroflexus* Poir. in Lam. Encycl. 6: 753. 1804. *Eleocharis chaetaria* Roem. & Schultes, Syst. 2: 154. 1817; Clarke in Hook. f. Fl. Brit. India 6: 629. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1145. 1957 (repr. ed.).

An annual, in wet places; stem very slender, tufted, angular.

Distrib.: Madurai.

Eleocharis spiralis (Rottb.) Roem. & Schultes, Syst. 2: 155. 1817; Clarke in Hook. f. Fl. Brit. India 6: 627. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1145. 1957 (repr. ed.). *Scirpus spiralis* Rottb. Descr. Icon. Rar. Pl. 45. t. 15. f. 1. 1773.

A gregarious herb of roadside or irrigation canals, (partly) submerged.

Distrib.: Tamilnadu Carnatic (Britto & Matthew 1983).

Eleocharis tetraquetra Nees in Wight, Contrib. 113. 1834; Clarke in Hook. f.

Fl. Brit. India 6: 630. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1145. 1957 (repr. ed.).

A perennial herb, in open swamps.

Distrib.: Nilgiri. R.

Fimbristylis aestivalis (Retz.) Vahl, Enum. Pl. 2: 288. 1805; Clarke in Hook. f. Fl. Brit. India 6: 637. 1893 p.p. *Scirpus aestivalis* Retz. Obs. Bot. 4: 12. 1786.

A tufted annual with ridged angular stem; in marshy places.

Distrib.: Madurai, Nilgiri, Tirunelveli.

Fimbristylis aggregata Fischer in Kew Bull. 1931: 44. 1931 & in Gamble, Fl. Pres. Madras 3: 1152. 1957 (repr. ed.).

A perennial herb with clustered, sessile spikelets. Restricted to hills.

Distrib.: Coimbatore (Fischer 1957). O. R.

Fimbristylis amplocarpa Govindarajalu in Proc. Indian Acad. Sci. 80 B: 41. 1974.

A perennial herb, root-stock woody; glumes shorter with ciliate margins, keel 5-nerved with a short mucro.

Distrib.: Madurai (Govindarajalu 1974).

Fimbristylis aphylla Steud. Syn. Pl. Glumac. 2: 114. 1855. *F. quinquangularis* (Vahl) Kunth var. *crassa* Clarke in Hook. f. Fl. Brit. India 6: 644. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1151. 1957 (repr. ed.).

A glabrous densely tufted perennial herb; in marshy places.

Distrib.: Madurai, Nilgiri

Fimbristylis argentea (Rottb.) Vahl, Enum. Pl. 2: 294. 1805; Clarke in Hook. f. Fl. Brit. India 6: 640. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1151. 1957 (repr. ed.). *Scirpus argenteus*

Rottb. Descr. Pl. Rar. 27. 1772 & Descr. Icon. Rar. Pl. 51. t. 17. f. 6. 1773.

A glabrous annual with fibrous roots, in wet places.

Distrib.: Almost all districts.

Fimbristylis bisumbellata (Forssk.) Bubani, Dodecanthea 30. 1850; Fischer in Gamble, Fl. Pres. Madras 3: 1151. 1957 (repr. ed.). *Scirpus bisumbellatus* Forssk. Fl. Aeg.-Arab. 15. 1775. *Fimbristylis dichotoma* sensu Clarke in Hook. f. Fl. Brit. India 6: 635. 1893 p.p., non (L.) Vahl 1805.

An annual with fibrous roots, in sandy places near cultivated fields.

Distrib.: Almost all districts.

Fimbristylis cinnamometorum (Vahl) Kunth, Enum. Pl. 2: 229. 1837. *Scirpus cinnamometorum* Vahl, Enum. Pl. 2: 278. 1805. *Fimbristylis cyperoides* R. Br. Prodr. 228. 1810; Clarke in Hook. f. Fl. Brit. India 6: 650. 1893. *F. cyperoides* R. Br. var. *cinnamometorum* (Vahl) Clarke in Hook. f. Fl. Brit. India 6: 650. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1151. 1957 (repr. ed.).

A perennial with woody creeping rhizome; in swamps.

Distrib.: Chengalpattu, Madurai, Tirunelveli.

Fimbristylis complanata (Retz.) Link, Enum. Pl. Hort. Berol. 1: 292. 1827; Clarke in Hook. f. Fl. Brit. India 6: 646. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1151. 1957 (repr. ed.). *Scirpus complanatus* Retz. Obs. Bot. 5: 14. 1788.

A perennial glabrous herb, in muddy areas.

Distrib.: Chengalpattu, Coimbatore, Madurai, Nilgiri, Salem, Tiruchchirappalli, Tirunelveli.

Fimbristylis consanguinea Kunth, Enum. Pl. 2: 228. 1837. *F. complanata* (Retz.)

Link var. *kraussiana* Clarke in Hook. f. Fl. Brit. India 6: 646. 1893.

A perennial herb in wetlands.

Distrib.: Coimbatore, Tirunelveli.

Fimbristylis contorta Fischer in Kew Bull. 1931: 45. 1931 & in Gamble, Fl. Pres. Madras 3: 1152. 1957 (repr. ed.).

A perennial herb with stout, cylindric, contorted spikelets.

Distrib.: Tirunelveli (Fischer 1957).
O. R.

Fimbristylis crystallina Govindarajalu in Proc. Indian Acad. Sci. 79 B: 166. 1974.

An annual herb with angular spikelets; in marshy places.

Distrib.: Coimbatore (Govindarajalu 1974).

Fimbristylis cymosa R. Br. Prodr. 228. 1810. *F. spathacea* Roth, Nov. Pl. Sp. 24. 1821; Clarke in Hook. f. Fl. Brit. India 6: 640. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1151. 1957 (repr. ed.).

A perennial, in open marshy places.

Distrib.: Chengalpattu, Coimbatore, Madurai, North Arcot, South Arcot, Thanjavur, Tiruchchirappalli (RHT).

Fimbristylis dichotoma (L.) Vahl, Enum. Pl. 2: 287. 1805; Hook. f. Fl. Brit. India 6: 635. 1893 p.p.; Fischer in Gamble, Fl. Pres. Madras 3: 1151. 1957 (repr. ed.). *Scirpus dichotomus* L. Sp. Pl. 50. 1753. *Fimbristylis diphylla* Vahl, Enum. Pl. 2: 289. 1805; Mayuranathan in Bull. Madras Govt. Museum n.s. 2: 312. 1929.

A perennial herb in open waste places; a very variable and complex species.

Distrib.: Almost all districts.

Fimbristylis dipsacea (Rottb.) Clarke in Hook. f. Fl. Brit. India 6: 635. 1893;

Fischer in Gamble, Fl. Pres. Madras 3: 1151. 1957 (repr. ed.). *Scirpus dipsaceus* Rottb. Descr. Icon. Rar. Pl. 56. t. 12. f. 1. 1773.

An annual glabrous herb, in muddy places.

Distrib.: Chengalpattu, Coimbatore, Salem, Tirunelveli.

Fimbristylis eligulata Govindarajalu in Proc. Indian Acad. Sci. 76 B: 184. 1972.

A perennial herb.

Distrib.: Chengalpattu and Ramana-thapuram (Govindarajalu 1972).

Fimbristylis eragrostis (Nees & Meyen ex Nees) Hance in J. Linn. Soc. Bot. 13: 132. 1873. *Abildgaardia eragrostis* Nees & Meyen ex Nees in Wight, Contrib. 95. 1834. *Fimbristylis nigrobrunnea* Thw. Enum. Pl. Zeyl. 434. 1864; Clarke in Hook. f. Fl. Brit. India 6: 648. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1151. 1957 (repr. ed.). *F. eragrostis* (Nees & Meyen ex Nees) Hance var. *nigrobrunnea* (Thw.) Hooper in Saldanha & Nicolson, Fl. Hassan Dist. 678. 1976.

A glabrous perennial with short woody rhizome; in marshy places.

Distrib.: Nilgiri, Salem, Tirunelveli.

Fimbristylis falcata (Vahl) Kunth, Enum. Pl. 2: 239. 1837; Matthew, Ill. Fl. Tamilnadu Carnatic t. 788. 1982. *Scirpus falcatus* Vahl, Enum. Pl. 2: 275. 1805. *Fimbristylis junciformis* (Nees) Kunth, Enum. Pl. 2: 239. 1837; Clarke in Hook. f. Fl. Brit. India 6: 647. 1893 incl. vars. *abbreviata* & *latifolia*; Fischer in Gamble, Fl. Pres. Madras 3: 1152. 1957 (repr. ed.). *Trichelostylis junciformis* Nees in Wight, Contrib. 106. 1834.

A perennial, glabrous herb with stout, oblique rhizome and rosette-like leaves; in open grasslands on hills.

Distrib.: Chengalpattu, Coimbatore, Tirunelveli.

Fimbristylis ferruginea (L.) Vahl, Enum. Pl. 2: 291. 1805; Clarke in Hook. f. Fl. Brit. India 6: 638. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1151. 1957 (repr. ed.). *Scirpus ferrugineus* L. Sp. Pl. 50. 1753.

A perennial with creeping rhizome, in marshy places.

Distrib.: Almost all districts.

Fimbristylis kingii Clarke in Boeckeler, Beitr. Cyper. 2: 40. 1888; Clarke in Hook. f. Fl. Brit. India 6: 633. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1150. 1957 (repr. ed.).

An annual with short rhizome, in marshy places.

Distrib.: Coimbatore, Madurai, Nilgiri.

Fimbristylis latiglumifera Govindarajalu in J. Bombay Nat. Hist. Soc. 69: 161. 1972.

A perennial herb.

Distrib.: Nilgiri (Govindarajalu 1972).
R.

Fimbristylis latinucifera Govindarajalu in J. Bombay Nat. Hist. Soc. 69: 159. 1972.

A perennial herb in swamps; culms tufted, erect, inflorescence capitate at the end of the culms; in swamps.

Distrib.: Nilgiri (Govindarajalu 1972).
R.

Fimbristylis littoralis Gaudich. in Freyc. Voy. Uranie 413. 1826. *F. miliacea* Vahl, Enum. Pl. 2: 287. 1805, quoad descr. excl. basionym; Clarke in Hook. f. Fl. Brit. India 6: 644. 1893 p.p.; Fischer in Gamble, Fl. Pres. Madras 3: 1152. 1957 (repr. ed.) p.p.

A glabrous perennial; stem erect, densely tufted; in open wet places.

Distrib.: Coimbatore, Madurai, Pudukkottai, Ramanathapuram, Salem, Thanjavur, Tiruchchirappalli, Tirunelveli.

Fimbristylis longistigmata Govindarajalu in Proc. Indian Acad. Sci. 76 B: 190. 1972.

A perennial herb.

Distrib.: Kanniyakumari (Govindarajalu 1972).

Fimbristylis miliacea (L.) Vahl, Enum. Pl. 2: 287. 1805 quoad basionym; Clarke in Hook. f. Fl. Brit. India 6: 644. 1893 p.p.; Fischer in Gamble, Fl. Pres. Madras 3: 1152. 1957 (repr. ed.) p.p. *Scirpus miliaceus* L. Syst. Nat. ed. 10. 868. 1759. *Fimbristylis quinquangularis* (Vahl) Kunth, Enum. Pl. 2: 229. 1837; Clarke in Hook. f. Fl. Brit. India 6: 644. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1151. 1957 (repr. ed.). *Scirpus quinquangularis* Vahl, Enum. Pl. 2: 279. 1805.

An annual or perennial herb in wetland.

Distrib.: Chengalpattu, Coimbatore, South Arcot.

Fimbristylis monospicula Govindarajalu in Proc. Indian Acad. Sci. 79 B: 169. 1974.

An annual herb; nuts brown, distinctly tricostulate with rounded and transversely elongated tubercles.

Distrib.: Madurai and Salem (Govindarajalu 1974).

Fimbristylis narayanii Fischer in Kew Bull. 1831: 46. 1831 & in Gamble, Fl. Pres. Madras 3: 1152. 1957 (repr. ed.).

A small slender herb in open places.

Distrib.: Tirunelveli (Fischer 1957). O.

Fimbristylis nutans (Retz.) Vahl, Enum. Pl. 2: 285. 1805; Clarke in Hook. f. Fl. Brit. India 6: 632. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1150. 1957 (repr. ed.) *Scirpus nutans* Retz. Obs. Bot. 4: 12. 1786.

A perennial herb with short creeping rhizome.

Distrib.: Chengalpattu (Fischer 1957).

Fimbristylis ovata (Burm.f.) Kern in *Blumea* 15: 126. 1967. *Carex ovata* Burm. f. *Fl. Ind.* 194. 1768. *Fimbristylis monostachyos* (L.) Hassk. *Pl. Jav. Rar.* 6. 1848, "monostachya"; Clarke in Hook. f. *Fl. Brit. India* 6: 649. 1893; Fischer in Gamble, *Fl. Pres. Madras* 3: 1152. 1957 (repr. ed.). *Cyperus monostachyos* L. *Mant. Pl.* 180. 1771.

A glabrous perennial herb, in grasslands.

Distrib.: Almost all districts.

Fimbristylis paupercula Boeckeler in *Linnaea* 38: 396. 1874; Clarke in Hook. f. *Fl. Brit. India* 6: 647. 1893; Fischer in Gamble, *Fl. Pres. Madras* 3: 1152. 1957 (repr. ed.).

A glabrous herb with 5-angular stem, in hills.

Distrib.: Madurai, Nilgiri, Tirunelveli. O.

Fimbristylis pentaptera (Nees) Kunth, *Enum. Pl.* 2: 229. 1837; Clarke in Hook. f. *Fl. Brit. India* 6: 645. 1893; Fischer in Gamble, *Fl. Pres. Madras* 3: 1152. 1957 (repr. ed.). *Trichelostylis pentaptera* Nees in Wight, *Contrib.* 105. 1834.

Rhizome short, woody; sheaths brownish; in open slopes of hills.

Distrib.: Madurai, Nilgiri.

Fimbristylis pierotii Miq. in *Ann. Mus. Bot. Lugduno-Batavum* 2: 145. 1865; Clarke in Hook. f. *Fl. Brit. India* 6: 642. 1893.

A glabrous perennial herb, on open grassy slopes.

Distrib.: Coimbatore.

Fimbristylis polytrichoides (Retz.) R. Br. *Prodr.* 226. 1810; Clarke in Hook. f.

Fl. Brit. India 6: 632. 1893; Fischer in Gamble, *Fl. Pres. Madras* 3: 1150. 1957 (repr. ed.). *Scirpus polytrichoides* Retz. *Obs. Bot.* 4: 11. 1786.

A perennial herb with tufted stem, in open wet places along sea coasts.

Distrib.: Chengalpattu, Ramanathapuram, South Arcot, Thanjavur, Tirunelveli.

Fimbristylis pustulosa Govindarajalu in *Proc. Indian Acad. Sci. (Plant Sci.)* 90: 444. 1981.

A perennial herb, in marshy places.

Distrib.: Coimbatore (Govindarajalu 1981).

Fimbristylis rectifolia Govindarajalu in *Proc. Indian Acad. Sci.* 80 B: 46. 1974.

A perennial herb with obliquely ascending short rhizome; culms glabrous, ribbed; inflorescence simple with solitary spikelets; in hills.

Distrib.: Nilgiri (Govindarajalu 1974). O.

Fimbristylis rigidiuscula Govindarajalu in *Proc. Indian Acad. Sci.* 78 B: 45. 1973.

A perennial herb with twisted stiff culms, on high hills.

Distrib.: Madurai (Govindarajalu 1973).

Fimbristylis rugosa Govindarajalu in *Proc. Indian Acad. Sci.* 78 B: 48. 1973.

A perennial herb with woody rootstock and large tuft of pentaquetrous culms. Restricted to open grassy slopes of hills having heavy rainfall.

Distrib.: Kanniyakumari, Madurai, Nilgiri. O.

Fimbristylis salbundia (Nees) Kunth, *Enum. Pl.* 2: 230. 1837; Clarke in Hook. f. *Fl. Brit. India* 6: 646. 1893. *Trichelostylis salbundia* Nees in Wight, *Contrib.* 105. 1834.

A perennial herb with short creeping rhizome; flowering stem leafless; in marshes on hills.

Distrib.: Kanniyakumari, Madurai.

Fimbristylis scabrisquama Govindarajalu in Proc. Indian Acad. Sci. (Plant Sci.) 91: 43. 1982.

A perennial herb on open grassy slopes.

Distrib.: Madurai (Govindarajalu 1982).

Fimbristylis schoenoides (Retz.) Vahl, Enum. Pl. 2: 286. 1805; Clarke in Hook. f. Fl. Brit. India 6: 634. 1893 p.p.; Fischer in Gamble, Fl. Pres. Madras 3: 1150. 1957 (repr. ed.) p.p. *Scirpus schoenoides* Retz. Obs. Bot. 5: 14. 1788.

A perennial glabrous herb, frequent in plains and foot of the hills in marshes.

Distrib.: Chengalpattu, Pudukkottai, Salem, South Arcot, Tiruchchirappalli (RHT), Tirunelveli.

Fimbristylis semidisticha Govindarajalu in Proc. Indian Acad. Sci. 78 B: 51. 1973.

An annual herb; culms triquetrous, caespitose, glabrous; inflorescence simple, capitate with sessile spikelets.

Distrib.: Madurai and Nilgiri (Govindarajalu 1973).

Fimbristylis sieberiana Kunth, Enum. Pl. 2: 237. 1837; Britto & Matthew in Matthew, Fl. Tamilnadu Carnatic 3: 1760. 1983. *F. ferruginea* var. *sieberiana* (Kunth) Boeckeler in Linnaea 37: 17. 1871.

A rhizomatous perennial herb, common in cultivated fields and open marshy places in plains.

Distrib.: Coimbatore, Ramanathapuram.

Fimbristylis squarrosa Vahl var. *esquarrosa* Makino in Bot. Mag. (Tokyo) 17: 47. 1903. *F. squarrosa* Vahl var. *velata*

(R. Br.) Clarke ex Cheesman, Man. New Zealand Fl. 770. 1938. *F. velata* R. Br. Prodr. 227. 1810; Govindarajalu in Reinwardtia 8: 509. 1974. *F. bisumbellata* (Forssk.) Bubani var. *hirtistyla* Fischer in Kew Bull. 1935: 150. 1935 & in Gamble, Fl. Pres. Madras 3: 1151. 1957 (repr. ed.).

An annual tufted herb, in moist places at higher altitudes.

Distrib.: Madurai, Salem (RHT), Tirunelveli (Fischer 1957).

Fimbristylis strigosa Govindarajalu in Proc. Indian Acad. Sci. 78 B: 54. 1973.

A perennial herb with culms covered by persistent leaf bases; spikelets solitary, many-flowered with strigose glumes.

Distrib.: Coimbatore, Ramanathapuram.

Fimbristylis subtrabeculata Clarke in Hook. f. Fl. Brit. India 6: 633. 1893.

An erect slender herb with subtrabeculate nuts, in hills.

Distrib.: Coimbatore. O. R.

Fimbristylis tenera Roem. & Schultes, Mant. 2: 57. 1824; Clarke in Hook. f. Fl. Brit. India 6: 642. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1152. 1957 (repr. ed.).

A slender annual herb, in open marshes in plains.

Distrib.: Chengalpattu, Coimbatore and Nilgiri (Fischer 1957).

Fimbristylis tetragona R. Br. Prodr. 226. 1810; Clarke in Hook. f. Fl. Brit. India 6: 631. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1150. 1957 (repr. ed.).

An annual or perennial herb, stem tetragonous, leafless with solitary spikelets and linear oblong nut.

Distrib.: Chengalpattu, Coimbatore, Nilgiri, Tiruchchirappalli (RHT), Tirunelveli.

Fimbristylis tortifolia Govindarajalu in Proc. Indian Acad. Sci. (Plant Sci.) 91: 46. 1982.

A perennial herb, on wet open grassy rocks.

Distrib.: Madurai (Govindarajalu 1982).

Fimbristylis triflora (L.) Schum. ex Engler in Abh. Koenigl. Akad. Wiss. Berlin 14. 1894. *Cyperus triflorus* L. Mant. Pl. 180. 1771. *Fimbristylis tristachya* (Vahl) Thw. Enum. Pl. Zeyl. 434. 1864, non R. Br. 1810; Clarke in Hook. f. Fl. Brit. India 6: 649. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1152. 1957 (repr. ed.). *Abildgaardia tristachya* Vahl, Enum. Pl. 2: 297. 1805.

A perennial, densely tufted herb with woody rhizome and rigid tall culms.

Distrib.: Chengalpattu, Madurai, Ramanathapuram, South Arcot.

Fimbristylis tristachya R. Br. Prodr. 226. 1810. *F. schoenoides* auct. non (Retz.) Vahl 1805; Clarke in Hook. f. Fl. Brit. India 6: 634. 1893 p.p.; Fischer in Gamble, Fl. Pres. Madras 3: 1150. 1957 (repr. ed.) p.p.

A perennial herb; leaves canaliculate; umbels reduced to 1-3; frequent in rice fields and along marshy places.

Distrib.: Chengalpattu, Madurai, Ramanathapuram, South Arcot, Tiruchchirappalli (RHT).

Fimbristylis uliginosa Hochst. ex Steud. Syn. Pl. Glumac. 2: 109. 1855; Clarke in Hook. f. Fl. Brit. India 6: 648. 1893; Fyson, Fl. South Indian Hill St. 2: t. 576. 1932; Fischer in Gamble, Fl. Pres. Madras 3: 1152. 1957 (repr. ed.).

An erect small herb, in hills.

Distrib.: Coimbatore, Madurai, Tiruchchirappalli (RHT), Tirunelveli. O.

Fimbristylis woodrowii Clarke in Kew Bull. 1898: 227. 1898 & in J. Linn. Soc. Bot. 34: 68. 1898; Britto & Matthew in Matthew, Fl. Tamilnadu Carnatic 3: 1762. 1983.

A perennial; stem tufted, slender with 3 spikelets in a cluster.

Distrib.: Tamilnadu Carnatic (Matthew 1983).

Fuirena ciliaris (L.) Roxb. Fl. Ind. 1: 184. 1820. *Scirpus ciliaris* L. Mant. Pl. 182. 1771. *Fuirena glomerata* Lam. Tabl. Encycl. 1: 150. 1791; Clarke in Hook. f. Fl. Brit. India 6: 666. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1158. 1957 (repr. ed.).

An annual herb with congested cluster of spikelets, in open wetlands.

Distrib.: Chengalpattu, Coimbatore, Kanniyakumari, Madurai, Ramanathapuram, Salem, Tiruchchirappalli (RHT).

Fuirena pubescens (Lam.) Kunth var. **pergamentacea** Fischer in Gamble, Fl. Pres. Madras 1669. 1931 & 3: 1158. 1957 (repr. ed.).

A short rhizomatous herb, stem triangular, rachis and bracts white pilose; in hills.

Distrib.: Coimbatore, Madurai. O. R.

Fuirena trilobites Clarke in Hook. f. Fl. Brit. India 6: 666. 1893; Nair et al. in Bull. Bot. Surv. India 22: 205. 1980.

An annual slender herb with cluster of 1-3 spikelets.

Distrib.: Salem. O. R.

Fuirena umbellata Rottb. Descr. Icon. Rar. Pl. 70. t. 19. f. 3. 1773; Clarke in Hook. f. Fl. Brit. India 6: 666. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1158. 1957 (repr. ed.).

A perennial with short thick rhizome, stem tufted, cluster of spikelets scattered;

in marshy places along streams and ponds.

Distrib.: Chengalpattu (Mayuranathan 1929), Coimbatore, Kanniyakumari.

Fuirena uncinata (Willd.) Kunth, Enum. Pl. 2: 184. 1837; Clarke in Hook. f. Fl. Brit. India 6: 666. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1158. 1957 (repr. ed.). *Scirpus uncinatus* Willd. Sp. Pl. 1: 300. 1798.

An annual tufted pubescent herb, along marshy places.

Distrib.: Chengalpattu, Coimbatore, Salem, South Arcot.

Fuirena wallichiana Kunth, Enum. Pl. 2: 182. 1837; Clarke in Hook. f. Fl. Brit. India 6: 665. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1158. 1957 (repr. ed.).

A perennial herb; stem sharply trigonous; in marshy areas.

Distrib.: Coimbatore.

Hypolytrum nemorum (Vahl) Spreng. Syst. Veg. 1: 233. 1825. *Schoenus nemorum* Vahl, Symb. Bot. 3: 8. 1794. *Hypaelyptum latifolium* Rich. in Pers. Syn. 1: 70. 1805; Clarke in Hook. f. Fl. Brit. India 6: 678. 1894; Fischer in Gamble, Fl. Pres. Madras 3: 1161. 1957 (repr. ed.).

A robust, rhizomatous, perennial herb; stem leafy, triquetrous with terminal panicles; common along streams and ponds.

Distrib.: Coimbatore, Kanniyakumari, Tirunelveli.

Lepironia articulata (Retz.) Domin, Bibl. Bot. 85: 486. 1915; Fischer in Kew Bull. 1932: 70. 1932 & in Gamble, Fl. Pres. Madras 3: 1161. 1957 (repr. ed.). *Restio articulatus* Retz. Obs. Bot. 4: 14. 1786. *Lepironia mucronata* Rich. in Pers. Syn. 1: 70. 1805; Clarke in Hook. f. Fl. Brit. India 6: 684. 1894.

Rhizome covered with ferruginous scales; stem rigid, smooth, septate; in open swamps, near sea coasts.

Distrib.: "Tranquebar" (Fischer 1957). R.

Lipocarpa chinensis (Osbeck) Kern in Blumea Suppl. 4: 167. 1958. *Scirpus chinensis* Osbeck, Dagbok Ostind. Resa 220. 1757. *Lipocarpa argentea* (Vahl) R. Br. in Tuckey, Narr. Exped. Zaire App. 477. 1818; Clarke in Hook. f. Fl. Brit. India 6: 667. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1158. 1957 (repr. ed.). *Hypaelyptum argenteum* Vahl, Enum. Pl. 2: 283. 1805.

An annual or perennial herb with greyish white capitula; common along swamps and shallow water.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem.

Lipocarpa raynaleana Govindarajalu in Adansonia 20(4): 369. 1981; Karthik. & Sharma in J. Bombay Nat. Hist. Soc. 80: 77. 1983.

Distrib.: Tamilnadu (Karthik. & Sharma 1983).

Lipocarpa sphacelata (Vahl) Kunth, Enum. Pl. 2: 267. 1837; Clarke in Hook. f. Fl. Brit. India 6: 667. 1893. *Hypaelyptum sphacelatum* Vahl, Enum. Pl. 2: 283. 1805. *Lipocarpa triceps* (Roxb.) Nees in Wight, Contrib. 92. 1834; Fischer in Gamble, Fl. Pres. Madras 3: 1158. 1957 (repr. ed.). *Tunga triceps* Roxb. Fl. Ind. 1: 183. 1820.

A perennial herb with short rhizome and reddish capitula; common in wet areas.

Distrib.: Chengalpattu, Coimbatore, Madurai, Pudukkottai (RHT), Ramana-nathapuram, Salem, Tiruchchirappalli, Tirunelveli.

Rhynchospora corymbosa (L.) Britton in Trans. New York Acad. Sci. 11: 84.

1892; Fischer in Gamble, Fl. Pres. Madras 3: 1160. 1957 (repr. ed.). *Scirpus corymbosus* L. Cent. Pl. 2: 7. 1756. *Rhynchospora aurea* Vahl, Enum. Pl. 2: 229. 1805; Clarke in Hook. f. Fl. Brit. India 6: 670. 1893.

A perennial, rhizome short; stem stout, triquetrous; in open swamps.

Distrib.: Madurai, Nilgiri, Tiruchchirappalli, Tirunelveli.

Rhynchospora gracillima Thw. Enum. Pl. Zeyl. 435. 1864; Clarke in Hook. f. Fl. Brit. India 6: 671. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1160. 1957 (repr. ed.).

A perennial; stem densely tufted, slender; leaves very narrow; in moist places.

Distrib.: Tirunelveli (Fischer 1957).
R.

Rhynchospora rubra (Lour.) Makino in Bot. Mag. (Tokyo) 17: 180. t. 7. f. 1 a & b. 1903. *Schoenus ruber* Lour. Fl. Cochinch. 1: 41. 1790. *Rhynchospora wallichiana* Kunth, Enum. Pl. 2: 289. 1837; Clarke in Hook. f. Fl. Brit. India 6: 668. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1160. 1957 (repr. ed.).

An annual herb with short rhizome; stem tufted, trigonous with capitate or globose inflorescence.

Distrib.: Kanniyakumari.

Rhynchospora rugosa (Vahl) Gale in Rhodora 46: 275. 1944. *Schoenus rugosus* Vahl, Eclog. Amer. 5. 1798. *Rhynchospora glauca* Vahl, Enum. Pl. 2: 233. 1805, nom. illeg.; Clarke in Hook. f. Fl. Brit. India 6: 671. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1160. 1957 (repr. ed.).

A perennial herb with short rhizome; in open wetlands.

Distrib.: Coimbatore, Madurai, Nilgiri.

**Scirpus articulatus* L. Sp. Pl. 47. 1753; Clarke in Hook. f. Fl. Brit. India 6: 656. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1156. 1957 (repr. ed.). *Schoenoplectus articulatus* (L.) Palla in Bot. Jahrb. Syst. 10: 299. 1888; Britto & Matthew in Matthew, Fl. Tamilnadu Carnatic 3: 1783. 1983.

An annual; stem densely tufted, fistulose, transversely septate; inflorescence pseudo-lateral; common in open swamps.

Distrib.: Chengalpattu, Madurai, Ramanathapuram, South Arcot, Tiruchchirappalli, Tirunelveli (UCT).

Scirpus fluitans L. Sp. Pl. 48. 1753; Clarke in Hook. f. Fl. Brit. India 6: 653. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1156. 1957 (repr. ed.).

A perennial; stem weak, filiform; leaves narrowly linear, setaceous; peduncle pseudo-lateral; in open swamps.

Distrib.: Madurai, Nilgiri.

Scirpus grossus L. f. Suppl. Pl. 104. 1781; Clarke in Hook. f. Fl. Brit. India 6: 659. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1156. 1957 (repr. ed.).

A stout perennial herb; stolons long; stem erect, sharply triquetrous; in marshy places.

Distrib.: Salem, Tiruchchirappalli (RHT).

Scirpus jacobii Fischer in Kew Bull. 1931: 163. 1931 & in Gamble, Fl. Pres. Madras 3: 1156. 1957 (repr. ed.). *Schoenoplectus senegalensis* (Steud.) Palla ex Raynal in P. de Fabregues & J. P. Lebrun, Cat. Pl. Vasc. Niger 344. 1976 & Adansonia ser. 2. 16: 149. 1976; Britto & Matthew in Matthew, Fl. Tamilnadu Carnatic 3: 1786. 1983. *Isolepis senegalensis* Steud. Syn. Pl. Glumac. 2: 96. 1855, non *S. senegalensis* Lam. 1791.

*The treatment of *Scirpus* L. is in its wider sense.

An annual herb; stem about 10 cm high; bract much exceeding the stem; nuts small, distinctly undulate.

Distrib.: Coimbatore, Madurai, Salem, South Arcot.

Scirpus juncooides Roxb. Fl. Ind. 1: 218. 1820. *S. erectus* auct. non Poir. 1829; Clarke in Hook. f. Fl. Brit. India 6: 656. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1156. 1957 (repr. ed.). *Schoenoplectus juncooides* (Roxb.) Palla in Bot. Jahrb. Syst. 10: 299. 1888; Britto & Matthew in Matthew, Fl. Tamilnadu Carnatic 3: 1784. 1983.

An annual, tufted, in open wetlands.

Distrib.: Madurai, North Arcot.

Scirpus lateriflorus Gmel. Syst. Veg. 1: 127. 1791. *S. supinus* var. *uninodis* Clarke in Hook. f. Fl. Brit. India 6: 656. 1893. *S. supinus* auct. non L. 1753; Clarke in Hook. f. Fl. Brit. India 6: 655. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1156. 1957 (repr. ed.). *Schoenoplectus lateriflorus* (Gmel.) Lye in Bot. Not. 124: 290. 1971; Britto & Matthew in Matthew, Fl. Tamilnadu Carnatic 3: 1784. 1983.

An annual herb with slender tufted stem.

Distrib.: All districts.

Scirpus littoralis Schrader, Fl. Germ. 1: 142. t. 5. f. 7. 1806; Clarke in Hook. f. Fl. Brit. India 6: 659. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1156. 1957 (repr. ed.). *Schoenoplectus littoralis* (Schrader) Palla in Verh. K.K. Zool.-Bot. Ges. Wien. 38. Sitzb.: 49. 1888; Britto & Matthew in Matthew, Fl. Tamilnadu Carnatic 3: 1785. 1983.

A perennial, rhizome short; stem erect, stout; in swamps.

Distrib.: Chengalpattu, North Arcot, Thanjavur.

Scirpus maritimus L. Sp. Pl. 51. 1753; Clarke in Hook. f. Fl. Brit. India 6: 658. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1156. 1957 (repr. ed.).

A perennial herb.

Distrib.: Coimbatore.

Scirpus mucronatus L. Sp. Pl. 50. 1753; Clarke in Hook. f. Fl. Brit. India 6: 657. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1156. 1957 (repr. ed.). *Schoenoplectus mucronatus* (L.) Palla in Verh. K.K. Zool.- Bot. Ges. Wien. 38. Sitzb.: 49. 1888; Britto & Matthew in Matthew, Fl. Tamilnadu Carnatic 3: 1785. 1983.

A perennial herb; rhizome very short; stem stiff, erect; in marshy places.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem, Tiruchchirappalli (RHT), Tirunelveli.

Scirpus squarrosus L. Mant. Pl. 181. 1771; Clarke in Hook. f. Fl. Brit. India 6: 663. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1156. 1957 (repr. ed.). *Rikliella squarrosa* (L.) Raynal in Adansonian ser. 2. 13: 154. 1973; Britto & Matthew in Matthew, Fl. Tamilnadu Carnatic 3: 1782. 1983.

An annual glabrous herb; stem erect, tufted, setaceous; in sandy areas.

Distrib.: Almost all districts.

Scirpus subcapitatus Thw. Enum. Pl. Zeyl. 357. 1864; Clarke in Hook. f. Fl. Brit. India 6: 661. 1893; Fischer in Gamble, Fl. Pres. Madras 3: 1156. 1957 (repr. ed.).

A perennial glabrous herb, in open wetlands on hills.

Distrib.: Madurai, Nilgiri.

Scleria caricina (R. Br.) Benth. Fl. Austral. 7: 426. 1878; Clarke in Hook. f. Fl. Brit. India 6: 688. 1894. *Diplacrum caricinum* R. Br. Prodr. 241. 1810;

Fischer in Gamble, Fl. Pres. Madras 3: 1164. 1957 (repr. ed.).

A slender glabrous annual herb, in open wet places.

Distrib.: Chengalpattu, Coimbatore (Fischer 1921), Madurai.

Scleria corymbosa Roxb. Fl. Ind. 3: 574. 1832; Clarke in Hook. f. Fl. Brit. India 6: 696. 1894; Fischer in Gamble, Fl. Pres. Madras 3: 1163. 1957 (repr. ed.).

A perennial herb; stem robust; in damp, shady places at low altitudes.

Distrib.: Madurai.

Scleria lithosperma (L.) Sw. Prodr. 18. 1788, var. *lithosperma*; Clarke in Hook. f. Fl. Brit. India 6: 685. 1894; Fischer in Gamble, Fl. Pres. Madras 3: 1163. 1957 (repr. ed.). *Scirpus lithospermus* L. Sp. Pl. 51. 1753.

A perennial herb; stem slender, smooth; panicles terminal; in open places and on fringes of forests at low altitudes.

Distrib.: Chengalpattu, Coimbatore, Kanniyakumari, Madurai, Tiruchchirappalli, Tirunelveli.

Scleria lithosperma (L.) Sw. var. *linearis* Benth. Fl. Austral. 7: 430. 1878. *S. lithosperma* (L.) Sw. var. *roxburghii* Clarke in Hook. f. Fl. Brit. India 6: 656. 1894; Fischer in Gamble, Fl. Pres. Madras 3: 1163. 1957 (repr. ed.).

A perennial slender herb with rugulose nuts, in hills.

Distrib.: Madurai, Tirunelveli.

Scleria lithosperma (L.) Sw. var. *multi-spiculata* Govindarajalu in Proc. Indian Acad. Sci. 71 B: 221. 1970.

A perennial herb with thick woody rhizome.

Distrib.: Kanniyakumari (Govindarajalu 1970).

Scleria levis Retz. Obs. Bot. 4: 13. 1786. *S. hebecarpa* Nees in Wight, Contrib. 117. 1834; Clarke in Hook. f. Fl. Brit. India 6: 689. 1894; Fischer in Gamble, Fl. Pres. Madras 3: 1163. 1957 (repr. ed.).

A perennial herb; stem slender, angular, scabrid on the angles; panicle terminal; in open forests.

Distrib.: Nilgiri, Tirunelveli.

Scleria mikawana Makino in Bot. Mag. (Tokyo) 27: 57. 1913; Kern in Steenis, Fl. Males. ser. 1. 17: 744. 1974. *S. tessellata* auct. non Willd. 1806; Clarke in Hook. f. Fl. Brit. India 6: 686. 1894 p.p.; Fischer in Gamble, Fl. Pres. Madras 3: 1163. 1957 (repr. ed.) p.p.

An annual.

Distrib.: Nilgiri (Fischer 1957).

Scleria parvula Steud. Syn. Pl. Glumac. 2: 174. 1855; Kern in Steenis, Fl. Males. ser. 1. 7: 746. 1974. *S. tessellata* auct. non Willd. 1806; Clarke in Hook. f. Fl. Brit. India 6: 686. 1894 p.p.; Fischer in Gamble, Fl. Pres. Madras 3: 1163. 1957 (repr. ed.) p.p.

An annual, in swamps and wet open grasslands.

Distrib.: Nilgiri.

Scleria terrestris (L.) Fassett in Rhodora 26: 159. 1924; Matthew, Ill. Fl. Tamilnadu Carnatic tt. 798 & 799. 1982. *Zizania terrestris* L. Sp. Pl. 991. 1753. *Scleria elata* Thw. Enum. Pl. Zeyl. 353. 1864; Clarke in Hook. f. Fl. Brit. India 6: 690. 1894. *S. cochinchinensis* (Lour.) Druce in Bot. Soc. Exch. Club Brit. Isles 4: 646. 1917; Fischer in Gamble, Fl. Pres. Madras 3: 1163. 1957 (repr. ed.). *Diaphora cochinchinensis* Lour. Fl. Cochinch. 2: 578. 1790.

A perennial herb with woody rhizome; in partial shade, in secondary forests.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem, Tirunelveli.

POACEAE

V.J. NAIR

Acrachne henrardiana (Bor) Phillips in Kew Bull. 37: 158. 1982. *Dactyloctenium henrardianum* Bor in Blumea (Suppl.) 3: 44. 1946 & Grass. Burma Ceylon India Pakistan 489. 1960. *Arthrochloa henrardiana* (Bor) Lorch in J. Indian Bot. Soc. 39: 490. 1960. *Normanboria henrardiana* (Bor) Butzin in Taxon 27: 301. 1978.

An erect herb.

Distrib.: "Madras" (Bor 1960), "Ramnad" (Sebastine 1963).

Acrachne racemosa (Heyne ex Roem. & Schultes) Ohwi in Bull. Tokyo Sci. Mus. n. 18: 1. 1947; Bor, Grass. Burma Ceylon India Pakistan 487. 1960. *Eleusine racemosa* Heyne ex Roem. & Schultes, Syst. 2: 583. 1817. *E. verticillata* Roxb. Fl. India 1: 346. 1820; Hook. f. Fl. Brit. India 7: 295. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1273. 1957 (repr. ed.).

Tamil: *Kadu kapai*.

A tufted annual in waste places and in cultivated fields.

Distrib.: Coimbatore, Madurai, Tiruchchirappalli (RHT), Tirunelveli.

Aeluropus lagopoides (L.) Trin. ex Thw. Enum. Pl. Zeyl. 374. 1864, "lagopodioides"; Fischer in Gamble, Fl. Pres. Madras 3: 1276. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 380. 1960. *Dactylis lagopoides* L. Mant. Pl. 33. 1767. *Aeluropus villosus* Trin. ex C. Meyer, Verz. Pfl. Casp. Meer. 18. 1831; Hook. f. Fl. Brit. India 7: 334. 1896.

A prostrate perennial, often in marshy places.

Distrib.: Chengalpattu, Ramanathapuram, South Arcot, Thanjavur, Tirunelveli.

Agrostis peninsularis Hook. f. Fl. Brit. India 7: 255. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1253. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 389. 1960.

An erect herb, in hilly areas.

Distrib.: Madurai (HIFP), Nilgiri. O. R.

Agrostis pilosula Trin. in Mem. Acad. Imp. Sci. Saint-Petersbourg, Ser. 6, Sci. Math., Seconde Pt. Sci. Nat. 6: 372. 1841, var. *pilosula*; Fischer in Gamble, Fl. Pres. Madras 3: 1254. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 388. 1960. *Calamagrostis pilosula* (Trin.) Hook. f. Fl. Brit. India 7: 263. 1896; Fyson, Fl. South Indian Hill St. 2: t. 600. 1932.

A tufted herb, in hilly areas.

Distrib.: Madurai, Nilgiri. O.

Agrostis pilosula Trin. var. *filifolia* Bor in Kew Bull. 1954: 459. 1954 & Grass. Burma Ceylon India Pakistan 389. 1960.

A herb with lower filiform leaves and green spikelets, in hilly areas.

Distrib.: Madurai. O. R.

Agrostis schmidii (Hook. f.) Fischer in Gamble, Fl. Pres. Madras 1810. 1934 & 3: 1254. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 389. 1960. *Calamagrostis schmidii* Hook. f. Fl. Brit. India 7: 264. 1896.

A small herb with a stout curved root-stock, in hilly areas.

Distrib.: Nilgiri. O. R. +.

Agrostis stolonifera L. Sp. Pl. 62. 1753; Fischer in Gamble, Fl. Pres. Madras 3: 1253. 1957 (repr. ed.). *A. alba* sensu Hook. f. Fl. Brit. India 7: 254. 1896, non L. 1753.

An erect herb with long stolons, in hilly areas.

Distrib.: Madurai, Nilgiri.

Agrostis zenkeri Trin. in Mem. Acad. Imp. Sci. Saint-Petersbourg, Ser. 6, Sci. Math., Seconde Pt. Sci. Nat. 6: 2 & 363. 1841; Bor, Grass. Burma Ceylon India Pakistan 392. 1960. *Deyeuxia abnormis* Hook. f. Fl. Brit. India 7: 268. 1896.

A slender grass, in hilly areas.

Distrib.: Nilgiri.

Alloteropsis cimicina (L.) Stapf in Prain, Fl. Trop. Africa 9: 487. 1919; Fischer in Gamble, Fl. Pres. Madras 3: 1223. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 276. 1960. *Milium cimicinum* L. Mant. Pl. 184. 1771. *Axonopus cimicinus* (L.) P. Beauv. Ess. Agrost. 12. 1812; Hook. f. Fl. Brit. India 7: 64. 1896; Rang. & Tad. Handb. South Indian Grass. tt. 107 & 108. 1921.

An annual, common in fallow fields, among the margins of ditches and canals and waste places.

Distrib.: Almost all districts.

Andropogon hallii Hack. in Sitzungsber. Kaiserl. Akad. Wiss., Math.-Naturwiss. Cl., Abt. 1. 89: 127. 1884; Bor, Grass. Burma Ceylon India Pakistan 90. 1960; Chandrabose & N.C. Nair, Fl. Coimbatore 330. 1988.

A tall herb with spreading rhizomes, introduced; a good sand binder, at times cultivated.

Andropogon lividus Thw. Enum. Pl. Zeyl. 367. 1864; Hook. f. Fl. Brit. India 7: 209. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1215. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 91. 1960. *Cymbopogon lividus* (Thw.) Willis, Rev. Cat. Pl. Ceylon 110. 1911; Fyson, Fl. South Indian Hill St. 2: t. 598. 1932.

A tufted herb in high elevations, often in burnt over areas. "The Purple Grass".

Distrib.: Madurai, Nilgiri.

Andropogon longipes Hack. in Flora 68: 138. 1885; Hook. f. Fl. Brit. India 7: 170. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1215. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 91. 1960.

A herb, often with decumbent culms, confined to hilly areas.

Distrib.: Nilgiri. O.

Andropogon polyptychus Steud. Syn. Pl. Glumac. 1: 380. 1854; Hook. f. Fl. Brit. India 7: 198. 1896; Bor, Grass. Burma Ceylon India Pakistan 91. t. 1. 1960; Shetty et al. in Bull. Bot. Surv. India 15: 276. 1973. *A. polyptychus* Steud. var. *deccanensis* Bor ex Clayton in Kew Bull. 27: 448. 1972. *Dichanthium polyptychum* (Steud.) A. Camus in Bull. Mus. Hist. Nat. (Paris) 27: 549. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1207. 1957 (repr. ed.). *D. polyptychum* (Steud.) A. Camus var. *deccanensis* Bor, Grass. Burma Ceylon India Pakistan 135. 1960 nom. illeg.

A densely tufted herb, in hilly areas.

Distrib.: Madurai, Nilgiri.

Andropogon pumilus Roxb. Fl. Ind. 1: 277. 1820; Hook. f. Fl. Brit. India 7: 170. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1215. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 93. 1960.

Tamil: *Kaavattam pullu*.

A slender annual herb in dry areas, often on black cotton soil.

Distrib.: Chengalpattu, Coimbatore, Ramanathapuram, Tiruchchirappalli, Tirunelveli. O.

Anthoxanthum borii Jain & Pal in J. Bombay Nat. Hist. Soc. 72: 90. 1975. *A. hookeri* auct. non Rendle 1904; Fischer in Gamble, Fl. Pres. Madras 3: 1278. 1957 (repr. ed.).

A rhizomatous perennial.

Distrib.: Madurai (CAL). O. R.

Anthoxanthum odoratum L. Sp. Pl. 28. 1753; Hook. f. Fl. Brit. India 7: 209. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1278. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 431. 1960.

An aromatic herb.

Distrib.: Madurai, Nilgiri.

Apluda mutica L. Sp. Pl. 82. 1753; Fischer in Gamble, Fl. Pres. Madras 3: 1212. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 93. 1960. *A. varia* Hack. subsp. *mutica* (L.) Hack. & subsp. *aristata* Hack. in A. DC. Monog. Phan. 6: 196. 1889; Hook. f. Fl. Brit. India 7: 150. 1896; Rang. & Tad. Handb. South Indian Grass. tt. 141 & 143. 1921.

Tamil: *Manda pul*, *Moongil pul*.

An ascending or decumbent leafy perennial, common in hedges, along roadsides and in waste places, at times in pure formations.

Distrib.: Almost all districts.

Apocopis courtallumensis (Steud.) Henrard in Blumea 4: 524. 1941; Bor, Grass. Burma Ceylon India Pakistan 95. 1960. *Andropogon courtallumensis* Steud. Syn. Pl. Glumac. 1: 377. 1854. *Apocopis wightii* Nees ex Thw. Enum. Pl. Zeyl. 365. 1864; Hook. f. Fl. Brit. India 7: 142. 1896 p.p.; Rang. & Tad. Handb. South Indian Grass. tt. 139 & 140. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1196. 1957 (repr. ed.).

A densely tufted perennial herb.

Distrib.: Chengalpattu, Kanniyakumari, Nilgiri, Pudukkottai (RHT), Tirunelveli.

Apocopis vaginata Hack. in Oesterr. Bot. Z. 41: 8. 1891; Bor, Grass. Burma Ceylon India Pakistan 96. 1960. *A. wightii* Nees ex Thw. var. *vaginata* (Hack.) Hook. f. Fl. Brit. India 7: 143. 1896.

An annual herb, usually in open pastures and forest clearings.

Distrib.: Chengalpattu and Madurai (CAL). O. R.

Aristida adscensionis L. Sp. Pl. 82. 1753; Hook. f. Fl. Brit. India 7: 224. 1896; Rang. & Tad. Handb. South Indian Grass. tt. 171 & 172. 1921; Bor, Grass. Burma Ceylon India Pakistan 407. 1960; Cope in Nasir & Ali, Fl. Pakistan 143: 41. 1982. *A. depressa* Retz. Obs. Bot. 4: 22. 1786; Fischer in Gamble, Fl. Pres. Madras 3: 1252. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 409. 1960.

Tamil: *Kodai balla pullu*, *Oosi pullu*, *Shigam pullu*.

A slender annual with tufted wiry culms, in a wide variety of habitats excepting very moist ones.

Distrib.: Almost all districts.

Aristida funiculata Trin. & Rupr. Sp. Gram. Stipac. 159. 1842; Hook. f. Fl. Brit. India 7: 226. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1253. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 410. 1960.

A slender annual with geniculately ascending culms, usually in open dry areas.

Distrib.: Chengalpattu, Coimbatore, Ramanathapuram, Tirunelveli.

Aristida hystrix L. f. Suppl. Pl. 113. 1781; Hook. f. Fl. Brit. India 7: 225. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1252. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 410. 1960.

A perennial herb with a creeping rootstock, usually in open dry places.

Distrib.: Chengalpattu, Coimbatore, North Arcot, Pudukkottai (RHT), Ramanathapuram, Salem, South Arcot, Tirunelveli.

Aristida mutabilis Trin. & Rupr. Sp. Gram. Stipac. 150. 1842; Hook. f. Fl. Brit. India 7: 226. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1253. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 411. 1960.

A small tufted annual grass, in open dry situations.

Distrib.: Coimbatore, Tirunelveli.

Aristida setacea Retz. Obs. Bot. 4: 22. 1786; Hook. f. Fl. Brit. India 7: 225. 1896; Rang. & Tad. Handb. South Indian Grass. t. 173. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1252. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 412. 1960.

A tall coarse perennial, usually in open dry situations.

Distrib.: Almost all districts.

Arthraxon castratus (Griff.) Narayana-swami ex Bor in Kanjilal et al. Fl. Assam 5: 376. 1940 & Grass. Burma Ceylon India Pakistan 99. 1960; Matthew, Ill Fl. Tamilnadu Carnatic tt. 808 & 809. 1982. *Andropogon castratus* Griff. Not. Pl. Asiat. 3: 89. 1851. *Arthraxon rudis* (Steud.) Hochst. in Flora 39: 188. 1856; Hook. f. Fl. Brit. India 7: 144. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1198. 1957 (repr. ed.). *Andropogon rudis* Steud. Syn. Pl. Glumac. 1: 383. 1854.

A herb up to 60 cm tall, in moist places in hilly areas.

Distrib.: Tamilnadu Carnatic (Britto & Matthew 1983).

Arthraxon depressus Stapf ex Fischer in Kew Bull. 1933: 349. 1933 & in Gamble, Fl. Pres. Madras 3: 1198. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 99. 1960.

A geniculately ascending herb, in hilly areas.

Distrib.: Deccan Peninsula (Bor 1960); Tamilnadu Carnatic (Britto & Matthew 1983).

Arthraxon echinatus (Nees) Hochst. in Flora 39: 188. 1856; Fischer in Gamble, Fl. Pres. Madras 3: 1198. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 99. 1960. *Bathratherum echinatum* Nees in Edinburgh New Philos. J. 18: 181. 1835. *Arthraxon spathaceus* Hook. f. Fl. Brit. India 7: 145. 1896.

A tufted herb.

Distrib.: "Madras State" (Bor 1960). O. R.

Arthraxon lanceolatus (Roxb.) Hochst. in Flora 39: 188. 1856; Hook. f. Fl. Brit. India 7: 143. 1896 p.p.; Fischer in Gamble, Fl. Pres. Madras 3: 1198. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 100. 1960. *Andropogon lanceolatus* Roxb. Fl. Ind. 1: 262. 1820.

A suberect tufted herb.

Distrib.: Coimbatore (CAL). Madurai (Bor 1960). O.

Arthraxon micans (Nees) Hochst. in Flora 39: 188. 1856; Hook. f. Fl. Brit. India 7: 146. 1896 (under *A. ciliaris* P. Beauv.); Bor, Grass. Burma Ceylon India Pakistan 101. 1960; Britto & Matthew in Matthew, Fl. Tamilnadu Carnatic 3: 1805. 1983. *Bathratherum micans* Nees in Edinburgh New Philos. J. 18: 182. 1835.

A herb with matty tufted culms, in hilly areas.

Distrib.: Tamilnadu Carnatic (Britto & Matthew 1983).

Arthraxon prionodes (Steud.) Dandy in Andr. Fl. Pl. Sudan 3: 399. 1956; Bor, Grass. Burma Ceylon India Pakistan 101. 1960. *Andropogon prionodes* Steud. Syn. Pl. Glumac. 1: 383. 1854. *Arthraxon lanceolatus* sensu Hook. f. Fl. Brit. India

7: 143. 1896 p.p., non (Roxb.) Hochst. 1856.

An erect herb.

Distrib.: Coimbatore, Madurai, Nilgiri.

Arthraxon quartinianus (A. Rich.) Nash in N. Amer. Flora 17: 99. 1912; Fischer in Gamble, Fl. Pres. Madras 3: 1198. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 102. 1960. *Alectro-
toridia quartiniana* A. Rich. Tent. Fl. Abyss. 2: 488. t. 99. 1851. *Arthraxon ciliaris* sensu Hook. f. Fl. Brit. India 7: 146. 1896, non P. Beauv. 1812.

A herb with erect or creeping stems, often in swampy places, along roadsides and in fallow fields.

Distrib.: Coimbatore, Madurai (CAL), Nilgiri. O.

Arthraxon villosus Fischer in Kew Bull. 1933: 350. 1933 & in Gamble, Fl. Pres. Madras 3: 1198. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 103. 1960.

An annual herb with densely villous sessile spikelets.

Distrib.: "Madras" (Bor 1960). O. R.

Arundinaria walkeri Munro in Trans. Linn. Soc. London 26: 21. 1868; Hook. f. Fl. Brit. India 7: 377. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1285. 1957 (repr. ed.).

A shrubby caespitose bamboo.

Distrib.: Madurai (Fischer 1957).

Arundinaria wightiana Nees in Linnaea 9: 482. 1834, var. *wightiana*; Gamble in Hook. f. Fl. Brit. India 7: 377. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1285. 1957 (repr. ed.).

An erect gregarious shrub.

Distrib.: Nilgiri.

Arundinaria wightiana Nees var. *hispida* Gamble in Ann. Roy. Bot. Gard. (Cal-

culta) 7: 4. 1896 & in Hook. f. Fl. Brit. India 7: 377. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1285. 1957 (repr. ed.).

An erect gregarious shrub; stems and leafsheaths clothed with golden tubercle-based hairs.

Distrib.: Nilgiri. O.

Arundinella ciliata (Roxb.) Nees ex Miq. in Verh. Kon. Ned. Inst. 3(4): 30. 1851; Bor, Grass. Burma Ceylon India Pakistan 421. 1960. *Holcus ciliatus* Roxb. Fl. Ind. 1: 321. 1820. *Arundinella agrostoides* sensu Hook. f. Fl. Brit. India 7: 71. 1896, non Trin. 1836. *A. holcoides* sensu Fischer in Gamble, Fl. Pres. Madras 3: 1247. 1957 (repr. ed.), non (Kunth) Trin. 1836.

Tamil: *Masapul*.

An annual herb.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem, Thanjavur, Tirunelveli. O.

Arundinella hookeri Munro ex Keng in Nat. Centr. Univ. Sci. Rep. Ser. B. 2. n.3. 50. 1936; Bor, Grass. Burma Ceylon India Pakistan 422. 1960; Naithani & Raizada in Indian Forester 103: 514. 1977. *A. villosa* Arn. ex Steud. var. *himalaica* Hook. f. Fl. Brit. India 7: 73. 1896.

An annual herb, in hilly regions.

Distrib.: Madurai (Naithani & Raizada 1977). R.

Arundinella leptochloa (Nees ex Steud.) Hook. f. Fl. Brit. India 7: 76. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1247. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 423. 1960. *Panicum leptochloa* Nees ex Steud. Syn. Pl. Glumac. 1: 62. 1854. *Arundinella lawsonii* Hook. f. Fl. Brit. India 7: 76. 1896.

A tall herb with a woody rootstock, in wet places, often in swamps.

Distrib.: Nilgiri, Tirunelveli. O.

Arundinella mesophylla Nees ex Steud. Syn. Pl. Glumac. 1: 115. 1854; Hook. f. Fl. Brit. India 7: 69. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1246. 1957 (repr. ed.).

A perennial with slender culms.

Distrib.: Coimbatore, Madurai, Nilgiri (Fyson 1932), Tirunelveli. O.

Arundinella nepalensis Trin. Gram. Panic. 62. 1826; Fischer in Gamble, Fl. Pres. Madras 3: 1247. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 423. 1960. *A. brasiliensis* sensu Hook. f. Fl. Brit. India 7: 73. 1896, non Raddi 1823.

A perennial with stout creeping root-stocks, in hilly areas.

Distrib.: Madurai (Fischer 1957).

Arundinella nervosa (Roxb.) Nees ex Hook. & Arn. Bot. Beech. Voy. 237. 1836; Hook. f. Fl. Brit. India 7: 70. 1896; Bor in Kew Bull. 1955: 395. 1955 & Grass. Burma Ceylon India Pakistan 424. 1960. *Holcus nervosus* Roxb. Fl. Ind. 1: 320. 1820.

An annual herb.

Distrib.: Madurai, Salem and Tirunelveli (Bor 1955). O. R.

Arundinella pumila (Hochst. ex A. Rich.) Steud. Syn. Pl. Glumac. 1: 114. 1854; Fischer in Gamble, Fl. Pres. Madras 3: 1247. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 423. 1960. *Acra-therum pumilum* Hochst. ex A. Rich. Tent. Fl. Abyss. 2: 414. t. 100. 1851. ***Arundinella tenella*** Nees ex Steud. Syn. Pl. Glumac. 1: 115. 1854; Hook. f. Fl. Brit. India 7: 71. 1896.

A pretty annual herb, very common in hilly areas.

Distrib.: Chengalpattu, Coimbatore, Madurai, Nilgiri.

Arundinella purpurea Hochst. ex Steud. Syn. Pl. Glumac. 1: 115. 1854, var. ***purpurea***; Bor, Grass. Burma Ceylon India Pakistan 424. 1960. *A. fuscata* auct. non Nees ex Buese 1854; Hook. f. Fl. Brit. India 7: 74. 1896; Fyson, Fl. South Indian Hill St. 2: t. 589. 1932.

A perennial herb, attaining a peculiar greenish yellow colouration on drying.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli. O.

Arundinella purpurea Hochst. ex Steud. var. ***laxa*** Bor in Kew Bull. 1955: 407. 1955 & Grass. Burma Ceylon India Pakistan 424. 1960.

A perennial herb; spikelets with long pedicels.

Distrib.: Nilgiri. O. R.

Arundinella setosa Trin. Gram. Panic. 63. 1826, var. ***setosa***; Bor, Grass. Burma Ceylon India Pakistan 424. 1960. *A. capillaris* Hook. f. Fl. Brit. India 7: 74. 1896.

A perennial herb; pedicels usually with setae at tip.

Distrib.: Chengalpattu, Coimbatore, Madurai, Nilgiri, Salem, South Arcot, Tirunelveli.

Arundinella setosa Trin. var. ***asetosa*** Bor, Grass. Burma Ceylon India Pakistan 425. 1960.

A perennial herb.

Distrib.: "Madras" (Bor 1960). R.

Arundinella setosa Trin. var. ***lanifera*** Fischer in Gamble, Fl. Pres. Madras 1801. 1934 & 3: 1247. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 424. 1960.

A perennial herb; woolly at base.

Distrib.: Chengalpattu. O. R.

Arundinella setosa Trin. var. **nilagiriana** Subbarao & Kumari in J. Bombay Nat. Hist. Soc. 72: 827. t. 7. 1976.

A perennial herb, woolly at base.

Distrib.: Nilgiri. **O. R.**

Arundinella tuberculata Munro ex Lisboa in J. Bombay Nat. Hist. Soc. 5: 344. 1891; Hook. f. Fl. Brit. India 7: 69. 1896; Bor, Grass. Burma Ceylon India Pakistan 425. 1960.

An erect annual herb, usually in dry areas.

Distrib.: "Madras" (Bor 1960). **O. R.**

Arundinella vaginata Bor in J. Indian Bot. Soc. 27: 66. 1948 & Grass. Burma Ceylon India Pakistan 425. 1960. *A. villosa* var. *heynei* Hook. f. Fl. Brit. India 7: 73. 1896. *A. villosa* auct. non Arn. ex Steud. 1854; Fyson, Fl. South Indian Hill St. 2: t. 588. 1932; Fischer in Gamble, Fl. Pres. Madras 3: 1247. 1957 (repr. ed.)

A perennial herb with long villous basal sheaths.

Distrib.: Madurai, Nilgiri (Fyson 1932), Tirunelveli (Fischer 1957). **O.**

Arundo conspicua Forst. f. Insul. Austr. Prodr. 9. 1786.

A tall perennial; often cultivated in Nilgiri.

Arundo donax L. Sp. Pl. 81. 1753; Hook. f. Fl. Brit. India 7: 302. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1250. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 413. t. 44. 1960.

A tall perennial.

Tamil: *Mudam pullu*.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, South Arcot, Tiruchchirappalli, Tirunelveli.

Avena fatua L. Sp. Pl. 80. 1753; Bor, Grass. Burma Ceylon India Pakistan 434. 1960.

An erect annual, sometimes cultivated.

Avena sativa L. Sp. Pl. 79. 1753; Fischer in Gamble, Fl. Pres. Madras 3: 1248. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 434. 1960.

An erect annual, at times cultivated in hilly areas. **B. E.**

Avena sterilis L. Sp. Pl. ed. 2. 1: 118. 1762; Fischer in Gamble, Fl. Pres. Madras 3: 1248. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 434. 1960.

An annual herb; at times cultivated in hilly areas. **B.**

Axonopus compressus (Sw.) P. Beauv. Ess. Agrost. 12, 154 & 167. 1812; Bor, Grass. Burma Ceylon India Pakistan 278. 1960. *Milium compressum* Sw. Prodr. 24. 1788.

A spreading perennial, introduced and naturalized. "The Carpet Grass".

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Bambusa arundinacea (Retz.) Roxb. Pl. Cor. t. 79. 1796; Fischer in Gamble, Fl. Pres. Madras 3: 1286. 1957 (repr. ed.). *Bambos arundinacea* Retz. Obs. Bot. 5: 24. 1788.

Tamil: *Mungil*, *Periya Mungil*.

A long thorny bamboo, up to 40 m tall.

Distrib.: Chengalpattu, Coimbatore, Nilgiri, Ramanathapuram, South Arcot, Tiruchchirappalli, Tirunelveli. **E.**

Bothriochloa bladhii (Retz.) S.T. Blake in Proc. Roy. Soc. Queensland 80: 62. 1969; Cope in Nasir & Ali, Fl. Pakistan 143: 284. 1982. *Andropogon bladhii* Retz. Obs. Bot. 2: 27. 1781. *Bothriochloa*

glabra (Roxb.) A. Camus in Ann. Soc. Linn. Lyon 76: 164. 1931; Bor, Grass. Burma Ceylon India Pakistan 107. 1960. *Andropogon glaber* Roxb. Fl. Ind. 1: 271. 1820. *Bothriochloa intermedia* (R. Br.) A. Camus in Ann. Soc. Linn. Lyon 76: 164. 1931; Bor, Grass. Burma Ceylon India Pakistan 108. 1960. *Andropogon intermedius* R. Br. Prodr. 202. 1810; Hook. f. Fl. Brit. India 7: 175. 1896. *Amphilophis glabra* (Roxb.) Stapf in Prain, Fl. Trop. Africa 9: 172. 1917; Fischer in Gamble, Fl. Pres. Madras 3: 1200. 1957 (repr. ed.). *Dichanthium bladhii* (Retz.) Clayton in Kew Bull. 32: 3. 1977. *D. glabrum* (Roxb.) Jain & Deshpande in Bull. Bot. Surv. India 20: 134. 1978 (1979).

An annual herb with geniculately ascending culms.

Distrib.: Nilgiri, Tirunelveli.

Bothriochloa foulkesii (Hook. f.) Henrard in Blumea 3: 457. 1940; Bor, Grass. Burma Ceylon India Pakistan 107. 1960. *Andropogon foulkesii* Hook. f. Fl. Brit. India 7: 174. 1896; Fyson, Fl. South Indian Hill St. 2: t. 594. 1932. *Amphilophis foulkesii* (Hook. f.) Fischer in Gamble, Fl. Pres. Madras 1731. 1934 & 3: 1200. 1957 (repr. ed.). *Dichanthium foulkesii* (Hook. f.) Jain & Deshpande in Bull. Bot. Surv. India 20: 134. 1978 (1979).

An erect tufted herb with slender stems, along margins of rivers.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli. O.

Bothriochloa insculpta (Hochst. ex A. Rich.) A. Camus in Ann. Soc. Linn. Lyon 76: 165. 1931; Bor, Grass. Burma Ceylon India Pakistan 107. 1960. *Andropogon insculptus* Hochst. ex A. Rich. Tent. Fl. Abyss. 2: 458. 1851. *A. pertusus* (L.) Willd. var. *insculptus* (Hochst. ex A. Rich.) Hack. in A.D.C. Monog. Phan.

6: 482. 1889; Hook. f. Fl. Brit. India 7: 174. 1896. *Amphilophis insculpta* (Hochst. ex A. Rich.) Stapf in Prain, Fl. Trop. Africa 9: 176. 1917; Fischer in Gamble, Fl. Pres. Madras 3: 1200. 1957 (repr. ed.). *Dichanthium insculptum* (Hochst. ex A. Rich.) Clayton in Kew Bull. 32: 3. 1977.

A herb with the lower glume of the pedicelled spikelets 2-4-pitted.

Distrib.: Coimbatore, Madurai, Nilgiri.

Bothriochloa kuntzeana (Hack.) Henrard in Blumea 3: 456. 1940; Bor, Grass. Burma Ceylon India Pakistan 108. 1960. *Andropogon kuntzeanus* Hack. in A. DC. Monog. Phan. 6: 478. 1889; Hook. f. Fl. Brit. India 7: 175. 1896. *Amphilophis kuntzeana* (Hack.) Haines, Bot. Bihar Orissa 1017. 1924; Fischer in Gamble, Fl. Pres. Madras 3: 1200. 1957 (repr. ed.). *Dichanthium kuntzeana* (Hack.) Jain & Deshpande in Bull. Bot. Surv. India 20: 134. 1978 (1979).

A tall perennial herb.

Distrib.: Chengalpattu, Coimbatore, Nilgiri (Fischer 1957).

Bothriochloa longifolia (Hack.) Bor, Grass. Burma Ceylon India Pakistan 108. 1960. *Andropogon pertusus* (L.) Willd. var. *longifolia* Hack. in A.D.C. Monog. Phan. 6: 482. 1889; Hook. f. Fl. Brit. India 7: 174. 1896.

A tall erect perennial herb.

Distrib.: "Madras State" (Bor 1960). O. R.

Bothriochloa pertusa (L.) A. Camus in Ann. Soc. Linn. Lyon 76: 164. 1931; Bor, Grass. Burma Ceylon India Pakistan 109. 1960. *Holcus pertusus* L. Mant. Pl. 301. 1771. *Amphilophis pertusa* (L.) Nash ex Stapf in Agric. News W. Ind. 15: 179. 1916; Fischer in Gamble, Fl. Pres. Madras 3: 1200. 1957 (repr. ed.). *Andropogon pertusus* (L.) Willd. Sp. Pl.

4: 922. 1806; Hook. f. Fl. Brit. India 7: 173. 1896; Rang. & Tad. Handb. South Indian Grass. tt. 152 & 153. 1921. *Dichanthium pertusum* (L.) Clayton in Kew Bull. 32: 4. 1977.

Tamil: *Chinna-karai pullu*.

A slender perennial herb, in open places, often in saline soil.

Distrib.: Almost all districts.

Bothriochloa pseudoischaemum (Nees ex Steud.) Henrard in Blumea 3: 451. 1940; Bor, Grass. Burma Ceylon India Pakistan 109. 1960. *Andropogon pseudoischaemum* Nees ex Steud. Syn. Pl. Glumac. 1: 380. 1854; Hook. f. Fl. Brit. India 7: 172. 1896. *Amphilophis pseudoischaemum* (Nees ex Steud.) Fischer in Gamble, Fl. Pres. Madras 1731. 1934 & 3: 1200. 1957 (repr. ed.). *Dichanthium pseudoischaemum* (Nees ex Steud.) Jain & Deshpande in Bull. Bot. Surv. India 20: 134. 1978 (1979).

An erect slender herb.

Distrib.: Dharmapuri, Salem.

Brachiaria distachya (L.) Stapf in Prain, Fl. Trop. Africa 9: 565. 1919; Fischer in Gamble, Fl. Pres. Madras 3: 1226. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 285. 1960. *Panicum distachyon* L. Mant. Pl. 183. 1771; Hook. f. Fl. Brit. India 7: 37. 1896; Rang. & Tad. Handb. South Indian Grass. tt. 97 & 98. 1921.

A herb with prostrate or straggling culms in wastelands and as a weed in gardens, usually in shaded places.

Distrib.: Chengalpattu, Coimbatore, Madurai, Nilgiri, Salem, South Arcot.

Brachiaria eruciformis (J.E. Smith) Griseb. in Ledeb. Fl. Ross. 4: 469. 1853; Fischer in Gamble, Fl. Pres. Madras 3: 1226. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 283. 1960. *Panicum*

eruciforme J.E. Smith in Sibth. & J.E. Smith, Fl. Graec. 1: 44. t. 59. 1806. *P. isachne* Roth ex Roem. & Schultes, Syst. 2: 458. 1817; Hook. f. Fl. Brit. India 7: 28. 1896; Rang. & Tad. Handb. South Indian Grass. tt. 80 & 81. 1921.

A loosely tufted annual.

Distrib.: Almost all districts.

Brachiaria kurzii (Hook. f.) A. Camus in Lecomte, Fl. Indo-Chine 7: 438. 1922; Fischer in Gamble, Fl. Pres. Madras 3: 1226. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 283. 1960. *Panicum kurzii* Hook. f. Fl. Brit. India 7: 38. 1896.

An annual grass with erect or decumbent culms, rooting at base, in shaded places in hilly areas.

Distrib.: Madurai. O. R.

Brachiaria miliiformis (J.S. Presl) Chase in Contr. U.S. Natl. Herb. 22: 35. 1920; Fischer in Gamble, Fl. Pres. Madras 3: 1226. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 283. 1960. *Panicum miliiforme* J.S. Presl in Presl, Reliq. Haenk. 1: 300. 1830.

An annual herb with erect culms.

Distrib.: Coimbatore.

Brachiaria munae Basappa in Proc. Indian Acad. Sci. (Plant Sci.) 93: 53. 1984.

A tufted herb.

Distrib.: Madurai. O. R.

Brachiaria mutica (Forssk.) Stapf in Prain, Fl. Trop. Africa 9: 526. 1919; Fischer in Gamble, Fl. Pres. Madras 3: 1226. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 284. 1960. *Panicum muticum* Forssk. Fl. Aeg.-Arab. 20. 1775; Hook. f. Fl. Brit. India 7: 34. 1896.

A very leafy perennial with long stems, in moist places.

Distrib.: Coimbatore, Salem (Fischer 1957), Tirunelveli.

Brachiaria nilagirica Bor in Bot. Tidsskr. 67(4): 325. 1973.

A herb, in hilly areas.

Distrib.: Nilgiri (Bor 1973). O. R.

Brachiaria ramosa (L.) Stapf in Prain, Fl. Trop. Africa 9: 542. 1919; Fischer in Gamble, Fl. Pres. Madras 3: 1226. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 284. 1960. *Panicum ramosum* L. Mant. Pl. 29. 1767; Hook. f. Fl. Brit. India 7: 36. 1896; Rang. & Tad. Handb. South Indian Grass. tt. 95 & 96. 1921.

Tamil: *Sanam pul*.

An annual herb with erect or ascending culms, common in cultivated fields and waste places.

Distrib.: Almost all districts.

Brachiaria remota (Retz.) Haines, Bot. Bihar Orissa 1005. 1924; Fischer in Gamble, Fl. Pres. Madras 3: 1226. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 285. 1960. *Panicum remotum* Retz. Obs. Bot. 4: 17. 1786; Hook. f. Fl. Brit. India 7: 38. 1896.

A herb with weak decumbent culms.

Distrib.: Coimbatore (Fischer 1921), Madurai, Nilgiri, Pudukkottai (RHT), Salem, Tiruchchirappalli.

Brachiaria reptans (L.) Gard. & Hubbard in Hooker's Icon. Pl. sub t. 3363. 1938; Bor, Grass. Burma Ceylon India Pakistan 285. 1960. *Panicum reptans* L. Syst. Nat. ed. 10. 870. 1759. *P. prostratum* Lam. Tabl. Encycl. 1: 171. 1791 & Encycl. 4: 730. 1797; Hook. f. Fl. Brit. India 7: 33. 1896; Rang. & Tad. Handb. South Indian Grass. tt. 91 & 92. 1921. *Urochloa reptans* (L.) Stapf in Prain, Fl. Trop. Africa 9: 601. 1920; Fischer in

Gamble, Fl. Pres. Madras 3: 1230. 1957 (repr. ed.).

Tamil: *Shani pullu*.

An annual tufted herb ascending from a prostrate and creeping base; a weed in cultivated fields.

Distrib.: Almost all districts.

Brachiaria semiundulata (Hochst. ex A. Rich.) Stapf in Prain, Fl. Trop. Africa 9: 556. 1919; Fischer in Gamble, Fl. Pres. Madras 3: 1226. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 285. 1960. *Panicum semiundulatum* Hochst. ex A. Rich. Tent. Fl. Abyss. 2: 364. 1851. *P. villosum* auct. non Lam. 1791; Hook. f. Fl. Brit. India 7: 34. 1896 p.p.; Fyson, Fl. South Indian Hill St. 2: t. 586. 1932.

An annual herb with hairy leaves, spikes and spikelets; in hilly areas.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Brachiaria semiverticillata (Rottl.) Alston in Trimen, Handb. Fl. Ceylon 6 (Suppl.): 318. 1931; Fischer in Gamble, Fl. Pres. Madras 3: 1226. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 286. 1960. *Panicum semiverticillatum* Rottl. in Ainslie, Mat. Med. Hindost. ed. 1. 219. 1813; Hook. f. Fl. Brit. India 7: 38. 1896.

An erect robust grass, up to 2.5 m tall.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Ramanathapuram, Tiruchchirappalli, Tirunelveli.

Brachiaria setigera (Retz.) Hubbard in Hooker's Icon. Pl. 34: 2. sub t. 3363. 1938; Bor, Grass. Burma Ceylon India Pakistan 286. 1960. *Panicum setigerum* Retz. Obs. Bot. 4: 15. 1786; Hook. f. Fl. Brit. India 7: 36. 1896. *Urochloa setigera* (Retz.) Stapf in Prain, Fl. Trop. Africa 9: 598. 1920; Fischer in Gamble, Fl. Pres. Madras 3: 1230. 1957 (repr. ed.).

A leafy annual, often in shaded places.

Distrib.: Coimbatore, Dharmapuri, Madurai, Ramanathapuram, Salem, Tiruchchirappalli (RHT), Tirunelveli.

Brachypodium distachyon (L.) P. Beauv. Ess. Agrost. 101 & 155. 1812; Bor, Grass. Burma Ceylon India Pakistan 449. 1960; Chandrabose & N.C. Nair, Fl. Coimbatore 356. 1988. *Bromus distachyos* L. Cent. Pl. 2: 8. 1756.

An ascending herb, up to 50 cm tall, occasionally cultivated.

Brachypodium sylvaticum (Huds.) P. Beauv. Ess. Agrost. 101 & 155. 1812; Hook. f. Fl. Brit. India 7: 362. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1283. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 450. 1960. *Festuca sylvatica* Huds. Fl. Angl. ed. 1. 38. 1762.

A tall perennial herb, on hills.

Distrib.: Madurai, Nilgiri.

Briza maxima L. Sp. Pl. 70. 1753; Hook. f. Fl. Brit. India 7: 336. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1280. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 527. 1960.

An erect herb with straw-coloured, brownish or purplish spikelets, in hilly areas.

Distrib.: Madurai, Nilgiri.

Briza media L. Sp. Pl. 70. 1753; Hook. f. Fl. Brit. India 7: 336. 1896; Bor, Grass. Burma Ceylon India Pakistan 528. 1960.

A perennial herb, in hilly areas.

Distrib.: Madurai (Matthew 1969), Nilgiri (CAL).

Briza minor L. Sp. Pl. 70. 1753; Hook. f. Fl. Brit. India 7: 336. 1896; Fyson, Fl. South Indian Hill St. 2: t. 607. 1932; Fischer in Gamble, Fl. Pres. Madras 3: 1280. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 528. 1960.

An annual herb with green, rarely purplish spikelets; in hilly areas.

Distrib.: Madurai (Fischer 1957), Nilgiri.

Bromus arvensis L. Sp. Pl. 77. 1753; Bor, Grass. Burma Ceylon India Pakistan 453. 1960.

An annual herb, in hilly areas.

Distrib.: Nilgiri.

Bromus catharticus Vahl, Symb. Bot. 2: 22. 1791; Cope in Nasir & Ali, Fl. Pakistan 143: 582. 1982. *B. unioloides* H.B.K. Nov. Gen. Sp. 1: 151. 1816; Hook. f. Fl. Brit. India 7: 357. 1896; Bor, Grass. Burma Ceylon India Pakistan 456. 1960.

An annual herb, in hilly areas.

Distrib.: Madurai (HIFP), Nilgiri.

Bromus diandrus Roth, Bot. Abh. 44. 1787; Bor, Grass. Burma Ceylon India Pakistan 454. 1960.

An annual herb, in hilly areas.

Distrib.: Nilgiri (Bor 1960). R.

Bromus ramosus Huds. Fl. Angl. ed. 1. 40. 1762; Bor, Grass. Burma Ceylon India Pakistan 456. 1960. *B. asper* Murr. Prodr. Stirp. Gott. 42. 1770; Hook. f. Fl. Brit. India 7: 358. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1282. 1957 (repr. ed.).

A tall perennial herb, in hilly areas.

Distrib.: Madurai, Nilgiri.

Capillipedium filiculme (Hook. f.) Stapf in Hooker's Icon. Pl. sub t. 3085. 1922; Fischer in Gamble, Fl. Pres. Madras 3: 1199. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 111. 1960. *Andropogon filiculmis* Hook. f. Fl. Brit. India 7: 181. 1896. *Dichanthium filiculme* (Hook. f.) Jain & Deshpande in Bull. Bot. Surv. India 20: 134. 1978 (1979).

A weak trailing herb.

Distrib.: Coimbatore. O.

Capillipedium huegelii (Hack.) A. Camus in Rev. Int. Bot. Appl. Agric. Trop. 1: 308. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1199. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 111. 1960. *Andropogon huegelii* Hack. in A. DC. Monog. Phan. 6: 492. 1889; Hook. f. Fl. Brit. India 7: 180. 1896. *A. schmidii* Hook. f. Fl. Brit. India 7: 180. 1896. *Dichanthium huegelii* (Hack.) Jain & Deshpande in Bull. Bot. Surv. India 20: 135. 1978 (1979).

An erect herb with a woody creeping base, usually in hilly areas.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem, Tirunelveli. O.

Capillipedium parviflorum (R. Br.) Stapf in Prain, Fl. Trop. Africa 9: 169. 1917; Fischer in Gamble, Fl. Pres. Madras 3: 1310. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 112. 1960. *Holcus parviflorus* R. Br. Prodr. 199. 1810. *Andropogon micranthus* Kunth, Revis. Gramin. 1: 165. 1829; Hook. f. Fl. Brit. India 7: 178. 1896.

An erect herb, in hilly areas.

Distrib.: Madurai and Nilgiri (Fyson 1932).

Cenchrus biflorus Roxb. Fl. Ind. 1: 238. 1820; Hook. f. Fl. Brit. India 7: 89. 1896 p.p.; Bor, Grass. Burma Ceylon India Pakistan 287. 1960. *C. barbatus* Schum. Beskr. Guin. Pl. 43. 1827; Fischer in Gamble, Fl. Pres. Madras 3: 1242. 1957 (repr. ed.).

An erect tufted perennial.

Distrib.: "Madras" (Bor 1960), Tamilnadu Carnatic (Britto & Matthew 1983).

Cenchrus ciliaris L. Mant. Pl. 302. 1771; Fischer in Gamble, Fl. Pres. Madras 3:

1242. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 287. t. 33. 1960. *Pennisetum cenchroides* Rich. in Pers. Syn. 1: 72. 1805; Hook. f. Fl. Brit. India 7: 88. 1896; Rang. & Tad. Handb. South Indian Grass. t. 115. 1921.

Tamil: *Kolukkattai pullu*.

A prostrate or erect perennial.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Cenchrus glaucus Mudaliar & Sundararaj in J. Bombay Nat. Hist. Soc. 54: 926. 1958; Bor, Grass. Burma Ceylon India Pakistan 290. 1960.

A perennial herb, forming tussocks.

Distrib.: Coimbatore. O. R.

Cenchrus pennisetiformis Hochst. & Steud. ex Steud. Syn. Pl. Glumac. 1: 109. 1854; Bor, Grass. Burma Ceylon India Pakistan 289. 1960. *Pennisetum cenchroides* Rich. var. *echinoides* Hook. f. Fl. Brit. India 7: 88. 1896; Rang. & Tad. Handb. South Indian Grass. t. 116. 1921.

An annual or perennial, erect or geniculate ascending herb.

Distrib.: Chengalpattu, Coimbatore, Salem.

Cenchrus setigerus Vahl, Enum. Pl. 2: 395. 1805; Fischer in Gamble, Fl. Pres. Madras 3: 1242. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 290. 1960. *C. biflorus* auct. non Roxb. 1820; Hook. f. Fl. Brit. India 7: 89. 1896 p.p.; Rang. & Tad. Handb. South Indian Grass. t. 117. 1921.

A perennial herb.

Distrib.: Chengalpattu, Coimbatore, Tiruchchirappalli, Tirunelveli. E.

Centotheca lappacea (L.) Desv. in Nouv. Bull. Sci. Soc. Philom. Paris 2: 189. 1810; Hook. f. Fl. Brit. India 7: 332. 1896; Fischer in Gamble, Fl. Pres. Madras 3:

1279. 1957 (repr. ed.); Bor, Grass Burma Ceylon India Pakistan 457. t. 50. 1960; Clayton in Kew Bull. 27: 449. 1972. *Cenchrus lappaceus* L. Sp. Pl. ed. 2. 2: 1488. 1763.

A tall perennial herb, in wet places.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Chionachne koenigii (Spreng.) Thw. Enum. Pl. Zeyl. 357. 1864; Fischer in Gamble, Fl. Pres. Madras 3: 1183. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 262. 1960. *Coix koenigii* Spreng. Syst. Veg. 1: 239. 1825. *Polytoca barbata* (Roxb.) Stapf in Hook. f. Fl. Brit. India 7: 102. 1896; Rang. & Tad. Handb. South Indian Grass. t. 127. 1921. *Coix barbata* Roxb. Fl. Ind. 3: 569. 1832.

A tall perennial, usually in moist shaded places.

Distrib.: Coimbatore, Madurai, Nilgiri (Fischer 1957), Thanjavur.

Chionachne semiteres (Benth. ex Hook. f.) Henrard in Meded Rijks-Herb. n. 67: 16. 1931; Fischer in Gamble, Fl. Pres. Madras 3: 1183. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 263. 1960. *Polytoca semiteres* Benth. ex Hook. f. Fl. Brit. India 7: 101. 1896.

An erect herb with a creeping rhizome.

Distrib.: Coimbatore, South Arcot, Thanjavur, Tirunelveli.

Chloris barbata Sw. Fl. Ind. Occ. 1: 200. 1797; Hook. f. Fl. Brit. India 7: 292. 1896; Rang. & Tad. Handb. South Indian Grass. tt. 199, 200 & 201. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1272. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 465. 1960.

Tamil: *Kodai pullu*, *Sevarugu pullu*.

A tufted perennial, found in a wide variety of habitats.

Distrib.: Almost all districts.

Chloris bournei Rang. & Tad. in J. Indian Bot. 2: 189. 1921 & Handb. South Indian Grass. tt. 202 & 203. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1272. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 466. 1960.

A tufted herb.

Distrib.: Coimbatore, Ramanathapuram, South Arcot, Thanjavur, Tirunelveli. O.

Chloris dolichostachya Lagasca, Gen. Sp. Pl. 5. 1816; Bor, Grass. Burma Ceylon India Pakistan 466. 1960; Cope in Nasir & Ali, Fl. Pakistan 143: 120. 1982. *C. incompleta* Roth, Nov. Pl. Sp. 60. 1821; Hook. f. Fl. Brit. India 7: 466. 1896; Rang. & Tad. Handb. South Indian Grass. t. 196. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1272. 1957 (repr. ed.).

A herb, often in hedges and bushes.

Distrib.: Chengalpattu, Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem, South Arcot, Tirunelveli.

Chloris gayana Kunth ex Stapf in Dyer, Fl. Cap. 7: 642. 1900; Bor, Grass. Burma Ceylon India Pakistan 466. t. 51. 1960.

A stoloniferous leafy herb.

Distrib.: Coimbatore, Nilgiri.

Chloris montana Roxb. Fl. Ind. 1: 331. 1820; Hook. f. Fl. Brit. India 7: 292. 1896; Rang. & Tad. Handb. South Indian Grass. tt. 204 & 205. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1272. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 466. 1960.

A perennial, lower portion of the stem creeping and rooting at nodes.

Distrib.: Chengalpattu, Coimbatore, Kanniyakumari (Fischer 1957), North Arcot, Ramanathapuram, Salem, South Arcot, Tirunelveli.

Chloris pycnothrix Trin. Gram. Unifl. 234. 1824; Clayton in Hepper, Fl. West Trop. Africa ed. 2. 3(2): 400. 1972; Britto & Matthew in Matthew, Fl. Tamilnadu Carnatic 3: 1821. 1983.

A perennial herb, in moist places.

Distrib.: Salem (Britto & Matthew 1983).

Chloris roxburghiana Schultes, Mant. 2: 339. 1824; Bor, Grass. Burma Ceylon India Pakistan 468. 1960. *C. polystachya* Roxb. Fl. Ind. 1: 332. 1820, non Lagasca 1816; Hook. f. Fl. Brit. India 7: 292. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1272. 1957 (repr. ed.).

A herb with erect or ascending culms.

Distrib.: Coimbatore, Madurai (Bor 1960), Nilgiri, Ramanathapuram, Tirunelveli (Fischer 1957).

Chloris virgata Sw. Fl. Ind. Occ. 1: 203. 1797; Hook. f. Fl. Brit. India 7: 291. 1896; Rang. & Tad. Handb. South Indian Grass. t. 198. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1272. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 468. 1960.

An erect tufted herb, in dry areas.

Distrib.: Coimbatore (CAL), Kanniya-kumari (UCT), Salem (Fischer 1957).

Chloris wightiana Nees ex Steud. Syn. Pl. Glumac. 1: 206. 1854; Hook. f. Fl. Brit. India 7: 293. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1272. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 468. 1960.

An erect hairy herb.

Distrib.: Tirunelveli. O.

Chrysopogon aciculatus (Retz.) Trin. Fund. Agrost. 188. 1820; Fischer in Gamble, Fl. Pres. Madras 3: 1205. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 115. 1960. *Andropogon*

aciculatus Retz. Obs. Bot. 5: 22. 1789; Hook. f. Fl. Brit. India 7: 188. 1896.

A perennial with woody rhizome, usually along the sides of roads, paths, banks of water courses and in waste places.

Distrib.: Chengalpattu, Coimbatore, Nilgiri, Tirunelveli.

Chrysopogon asper (Heyne ex Hook. f.) Blatter & McCann, Bombay Grass. 68. 1935; Fischer in Gamble, Fl. Pres. Madras 3: 1205. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 116. 1960. *Andropogon asper* Heyne ex Hook. f. Fl. Brit. India 7: 189. 1896; Rang. & Tad. Handb. South Indian Grass. tt. 155 & 156. 1921.

A tufted perennial with distichous leaves.

Distrib.: Chengalpattu, Madurai, Nilgiri (Fischer 1957).

Chrysopogon fulvus (Spreng.) Chiov. Fl. Somala 1: 327. 1929; Bor, Grass. Burma Ceylon India Pakistan 116. 1960. *Pollinia fulva* Spreng. Pl. Min. Cogn. Pug. 2: 10. 1815. *Chrysopogon montanus* Trin. ex Spreng. Neue Entd. 2: 93. 1821; Fischer in Gamble, Fl. Pres. Madras 3: 1205. 1957 (repr. ed.). *Andropogon monticola* Schultes, Mant. 3: 665. 1827; Hook. f. Fl. Brit. India 7: 192. 1896; Rang. & Tad. Handb. South Indian Grass. t. 158. 1921.

A tall perennial herb, usually in dry sandy or gravelly soils.

Distrib.: Almost all districts.

Chrysopogon hackellii (Hook.f.) Fischer in Gamble, Fl. Pres. Madras 1739. 1934 & 3: 1205. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 117. 1960. *Andropogon hackellii* Hook. f. Fl. Brit. India 7: 194. 1896.

A robust herb, in hills.

Distrib.: Chengalpattu, Coimbatore, Madurai, Nilgiri, Pudukkottai (RHT), Tirunelveli. O.

Chrysopogon orientalis (Desv.) A. Camus in Lecomte, Fl. Indo-Chine 7: 332. 1922; Fischer in Gamble, Fl. Pres. Madras 3: 1205. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 118. 1960. *Rhaphis orientalis* Desv. Opusc. Sci. Phys. Nat. 69. 1831. *Andropogon wightianus* Nees ex Steud. Syn. Pl. Glumac. 1: 395. 1854; Hook. f. Fl. Brit. India 7: 191. 1896; Rang. & Tad. Handb. South Indian Grass. t. 157. 1921.

A perennial herb with a creeping root-stock, in plains and hills.

Distrib.: Chengalpattu, Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem, Tirunelveli.

Chrysopogon polyphyllus (Hack. ex Hook. f.) Blatter & McCann in J. Bombay Nat. Hist. Soc. 32: 416. 1928; Fischer in Gamble, Fl. Pres. Madras 3: 1205. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 118. 1960. *Andropogon polyphyllus* Hack. ex Hook. f. Fl. Brit. India 7: 194. 1896.

A perennial herb with a creeping woody rhizome and distichous leaves.

Distrib.: "Madras" (Bor 1960). O. R.

Chrysopogon velutinus (Hook. f.) Bor, Grass. Burma Ceylon India Pakistan 119. 1960. *Andropogon velutinus* Hook. f. Fl. Brit. India 7: 194. 1896.

An obscure species with compressed stems.

Distrib.: "South India" (Bor 1960) O. R.

Chrysopogon verticillatus (Roxb.) Trin. ex Steud. Nomencl. ed. 2. 1: 360. 1840; Fischer in Gamble, Fl. Pres. Madras 3: 1205. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 119. 1960. *Andropogon verticillatus* Roxb. Fl. Ind. 1: 267. 1820.

A mountain grass.

Distrib.: "Madras State" (Bor 1960). O. R.

Chrysopogon zeylanicus (Nees ex Steud.) Thw. Enum. Pl. Zeyl. 366. 1864; Fischer in Gamble, Fl. Pres. Madras 3: 1205. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 119. 1960. *Andropogon zeylanicus* Nees ex Steud. Syn. Pl. Glumac. 1: 397. 1854; Hook. f. Fl. Brit. India 7: 192. 1896; Fyson, Fl. South Indian Hill St. 2: t. 595. 1932.

A tufted herb, in hilly areas.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Salem, Tirunelveli.

Coelachne perpusilla (Arn. ex Steud.) Thw. Enum. Pl. Zeyl. 373. 1864, var. **perpusilla**; Fischer in Gamble, Fl. Pres. Madras 3: 1249. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 576. t. 61b. 1960. *Panicum perpusillum* Arn. ex Steud. Syn. Pl. Glumac. 1: 96. 1854. *Coelachne pulchella* R. Br. var. *perpusilla* (Arn. ex Steud.) Hook. f. Fl. Brit. India 7: 271. 1896.

A very delicate annual, in marshy places.

Distrib.: Nilgiri. R. +.

Coelachne perpusilla (Arn. ex Steud.) Thw. var. **nilagirica** Ved Prakash & Jain in Bull. Bot. Surv. India 24: 187. 1982 (1983).

A slender annual.

Distrib.: Nilgiri. O. R.

Coelachne simpliciuscula (Wight & Arn. ex Steud.) Munro ex Benth. in J. Linn. Soc. Bot. 19: 93. 1881; Bor, Grass. Burma Ceylon India Pakistan 576. t. 61a. 1960. *Panicum simpliciusculum* Wight & Arn. ex Steud. Syn. Pl. Glumac. 1: 96. 1854. *Coelachne pulchella* R. Br. var. *simpliciuscula* (Wight & Arn. ex Steud.) Hook. f. Fl. Brit. India 7: 271. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1249. 1957 (repr. ed.).

An annual herb, in marshy places.

Distrib.: Madurai, Nilgiri.

Coelachyropsis lagopoides (Burm. f.) Bor in Ann. Naturhist. Mus. Wien 75: 25. 1972. *Cynosurus lagopoides* Burm. f. Fl. Ind. 29. 1768. *Eleusine brevifolia* (Willd.) R. Br. ex Hook. f. Fl. Brit. India 7: 294. 1896; Rang. & Tad. Handb. South Indian Grass. t. 207. 1921. *Dactylis brevifolia* Willd. Sp. Pl. 1: 410. 1798. *Eleusine lagopoides* (Burm.f.) Merr. in Philipp. J. Sci. 19: 339. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1273. 1957 (repr. ed.). *Coelachyrum lagopoides* (Burm. f.) Senar. Grass. Ceylon 79. 1956; Bor, Grass. Burma Ceylon India Pakistan 488. 1960.

An annual herb, in moist places.

Distrib.: Chengalpattu, Coimbatore, Kanniyakumari, Tiruchchirappalli (RHT), Tirunelveli.

Coelorhachis clarkei (Hack.) Blatter & McCann in J. Bombay Nat. Hist. Soc. 32: 33. 1927; Panigrahi & Dubey in Indian J. For. 9: 172. 1986. *Rottboellia clarkei* Hack. in Oesterr. Bot. Z. 41: 8. 1891; Hook. f. Fl. Brit. India 7: 156. 1896. *Manisuris clarkei* (Hack.) Bor in Sant. Fl. Khandala 357. 1953 & Grass. Burma Ceylon India Pakistan 191. t. 10. f. 1. 1960. *Mnesithea clarkei* (Hack.) Koning & Sosef in Blumea 31: 290. 1986.

An erect annual herb.

Distrib.: "Madras" (Bor 1960). O. R.

Coix aquatica Roxb. Fl. Ind. 3: 571. 1832; Hook. f. Fl. Brit. India 7: 100. 1896; Bor, Grass. Burma Ceylon India Pakistan 264. 1960.

An aquatic perennial with long floating culms.

Distrib.: Coimbatore, Nilgiri.

Coix gigantea Koen. ex Roxb. Fl. Ind. 3: 570. 1832; Fischer in Gamble, Fl.

Pres. Madras 3: 1182. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 264. 1960. *C. lacryma-jobi* L. var. *gigantea* (Koen. ex Roxb.) Stapf ex Hook. f. Fl. Brit. India 7: 100. 1896.

A perennial herb, in marshy places and along banks of streams.

Distrib.: Chengalpattu, Thanjavur.

Coix lacryma-jobi L. Sp. Pl. 972. 1753; Hook. f. Fl. Brit. India 7: 100. 1896; Rang. & Tad. Handb. South Indian Grass. t. 126. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1182. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 264. 1960.

Tamil: *Kattu kundamani*.

A robust annual, rooting at lower nodes, usually in moist places.

Distrib.: Almost all districts.

Cortaderia selloana (Schultes) Asch. & Graebn. Syn. Mitt. Fl. 2: 325. 1900; Bor, Grass. Burma Ceylon India Pakistan 415. 1960. *Arundo selloana* Schultes, Mant. 3: Addit. 1. 605. 1827.

A tall densely tufted perennial, cultivated as an ornamental in hills.

Cymbopogon caesius (Nees ex Hook. & Arn.) Stapf in Kew Bull. 1906: 341 & 360. 1906; Fischer in Gamble, Fl. Pres. Madras 3: 1217. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 125. 1960. *Andropogon caesius* Nees ex Hook. & Arn. Bot. Beech. Voy. 244. 1838. *A. schoenanthus* L. var. *caesius* (Nees ex Hook. & Arn.) Hack. in A. DC. Monog. Phan. 6: 610. 1889; Hook. f. Fl. Brit. India 7: 205. 1896.

Tamil: *Kamakshi pullu*, *Mandappullu*, *Muchival pullu*.

A tufted aromatic perennial with a woody base, in open places.

Distrib.: Almost all districts. E.

Cymbopogon citratus (DC.) Stapf in Kew Bull. 1906: 357. 1906; Fischer in Gamble, Fl. Pres. Madras 3: 1216. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 126. 1960. *Andropogon citratus* DC. Cat. Hort. Monsp. 78. 1813.

Tamil: *Vasana pullu*, *Kurpura pullu*.

A tufted perennial; cultivated for its aromatic oil. E.

Cymbopogon coloratus (Hook.f.) Stapf in Kew Bull. 1906: 321. 1906; Fischer in Gamble, Fl. Pres. Madras 3: 1217. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 126. 1960. *Andropogon nardus* L. var. *coloratus* Hook. f. Fl. Brit. India 7: 206. 1896.

Tamil: *Mandapullu*, *Manakru pullu*, *Manjan pullu*.

A densely tufted aromatic perennial.

Distrib.: Chengalpattu, Coimbatore, Madurai, North Arcot, Salem, Tirunelveli. E. O.

Cymbopogon flexuosus (Nees ex Steud.) Wats. in Atk. Gaz. N.W. Prov. Ind. 392. 1882, var. *flexuosus*; Fischer in Gamble, Fl. Pres. Madras 3: 1216. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 127. 1960. *Andropogon flexuosus* Nees ex Steud. Syn. Pl. Glumac. 1: 388. 1854. *A. nardus* L. var. *flexuosus* (Nees ex Steud.) Hack. in A. DC. Monog. Phan. 6: 603. 1889; Hook. f. Fl. Brit. India 7: 207. 1896.

A tall aromatic perennial, in grasslands of hilly areas.

Distrib.: Coimbatore, Madurai, Nilgiri; Pudukkottai and Tiruchchirappalli (RHT).

Cymbopogon flexuosus (Nees ex Steud.) Wats. var. *coimbatorensis* Gupta in Proc. Indian Acad. Sci. 71 B: 94. 1970.

An aromatic perennial herb; glumes and wings of sessile spikelets larger than in var. *flexuosus*.

Distrib.: Coimbatore (Gupta 1970). O.

Cymbopogon gidarba (Ham. ex Steud.) Haines, Bot. Bihar Orissa 1048. 1924; Fischer in Gamble, Fl. Pres. Madras 3: 1217. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 128. 1960. *Andropogon gidarba* Ham. ex Steud. Syn. Pl. Glumac. 1: 387. 1854; Hook. f. Fl. Brit. India 7: 208. 1896.

A tall aromatic perennial.

Distrib.: Chengalpattu, Coimbatore, Tirunelveli. E.

Cymbopogon jwarancusa (Jones) Schultes subsp. *olivieri* (Boiss.) Soenarko in Reinwardtia 9: 307. 1977. *Andropogon olivieri* Boiss. Diagn. Pl. Orient. ser. 1. 5: 76. 1844. *A. schoenanthus* sensu Hook. f. Fl. Brit. India 7: 204. 1896, non L. 1753. *Cymbopogon olivieri* (Boiss.) Bor in Notes Roy. Bot. Gard. Edinburgh 25: 62. 1963.

An aromatic perennial herb, cultivated in hilly areas. E.

Cymbopogon martinii (Roxb.) Wats. in Atk. Gaz. N.W. Prov. Ind. 392. 1882; Fischer in Gamble, Fl. Pres. Madras 3: 1217. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 129. 1960. *Andropogon martinii* Roxb. Fl. Ind. 1: 280. 1820; Hook. f. Fl. Brit. India 7: 204. 1896.

Tamil: *Kavattan pullu*, *Kannam pullu*.

A tall aromatic perennial herb, usually in hilly areas.

Distrib.: Chengalpattu, Coimbatore, Madurai, Nilgiri, Salem, Tiruchchirappalli. B. E.

Cymbopogon nardus (L.) Rendle in Cat. Welw. Afr. Pl. 2: 155. 1899, var. *nardus*; Fischer in Gamble, Fl. Pres. Madras 3: 1216. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 130. 1960. *Andropogon nardus* L. Sp. Pl. 1046. 1753; Hook. f. Fl. Brit. India 7: 205. 1896.

A tall aromatic perennial herb, usually found under cultivation. E.

Cymbopogon nardus (L.) Rendle var. **confertiflorus** (Steud.) Stapf ex Bor in J. Bombay Nat. Hist. Soc. 51: 905. 1953 & Grass. Burma Ceylon India Pakistan 130. 1960. *Andropogon confertiflorus* Steud. Syn. Pl. Glumac. 1: 385. 1854. *A. nardus* L. subsp. *nilagiricus* Hack. in A. DC. Monog. Phan. 6: 604. 1889; Hook. f. Fl. Brit. India 7: 206. 1896. *Cymbopogon confertiflorus* (Steud.) Stapf in Kew Bull. 1906: 318. 1906; Fischer in Gamble, Fl. Pres. Madras 3: 1217. 1957 (repr. ed.).

A tall aromatic perennial herb.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli. E.

Cymbopogon polyneuros (Steud.) Stapf in Kew Bull. 1906: 361. 1906; Fyson, Fl. South Indian Hill St. 2: t. 597. 1932; Fischer in Gamble, Fl. Pres. Madras 3: 1217. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 131. 1960. *Andropogon polyneuros* Steud. Syn. Pl. Glumac. 1: 385. 1854. *A. schoenanthus* L. var. *versicolor* Hack. in A. DC. Monog. Phan. 6: 610. 1889; Hook. f. Fl. Brit. India 7: 205. 1896.

An aromatic perennial herb.

Distrib.: Nilgiri, Tiruchchirappalli (RHT). O.

Cymbopogon travancorensis Bor in J. Bombay Nat. Hist. Soc. 52: 174. 1954 & Grass. Burma Ceylon India Pakistan 132. 1960.

An aromatic perennial herb.

Distrib.: Coimbatore, Tirunelveli. E. O.

Cynodon arcuatus J.S. Presl in Presl, Reliq. Haenk. 1: 290. 1830; Bor, Grass. Burma Ceylon India Pakistan 469. 1960. *C. dactylon* (L.) Pers. var. *intermedius* (Rang. & Tad.) Fischer in Gamble,

Fl. Pres. Madras 1835. 1934 & 3: 1270. 1957 (repr. ed.). *C. intermedius* Rang. & Tad. in J. Bombay Nat. Hist. Soc. 26: 304. 1918 & Handb. South Indian Grass. tt. 192 & 193. 1921.

A perennial herb.

Distrib.: Chengalpattu, Coimbatore, Nilgiri, North Arcot, Tirunelveli.

Cynodon barberi Rang. & Tad. in J. Bombay Nat. Hist. Soc. 24: 846. 1916 & Handb. South Indian Grass. tt. 194 & 195. 1921, forma **barberi**; Fischer in Gamble, Fl. Pres. Madras 3: 1270. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 469. 1960.

A perennial herb.

Distrib.: Chengalpattu, Coimbatore, Ramanathapuram, Salem, South Arcot, Tirunelveli. O.

Cynodon barberi Rang. & Tad. forma **longifolius** Jain in Indian Forester 92: 699. 1966.

A perennial herb.

Distrib.: "Madras" (CAL). O.

Cynodon dactylon (L.) Pers. Syn. 1: 85. 1805; Hook. f. Fl. Brit. India 7: 288. 1896; Rang. & Tad. Handb. South Indian Grass. tt. 190 & 191. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1270. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 469. t. 52. 1960. *Panicum dactylon* L. Sp. Pl. 58. 1753.

Tamil: *Arugam pullu*.

A perennial rhizomatous herb.

Distrib.: All districts.

Cynodon plectostachyus (Schum. ex Engler) Pilger in Bot. Jahrb. Syst. 40: 82. 1907; Bor, Grass. Burma Ceylon India Pakistan 471. 1960. *Leptochloa plectostachya* Schum. ex Engler, Pflanzenw. Ost-Afr. 112. 1895.

An introduced grass, at times cultivated.

Cyrtococcum deccanense Bor in Kew Bull. 1956: 255. 1956 & Grass. Burma Ceylon India Pakistan 291. 1960. *Panicum patens* sensu Hook. f. Fl. Brit. India 7: 57. 1896, non L. 1753.

An annual or perennial herb, in hilly areas.

Distrib.: Nilgiri.

Cyrtococcum longipes (Wight & Arn. ex Hook. f.) A. Camus in Bull. Mus. Hist. Nat. (Paris) 27: 118. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1237. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 291. 1960. *Panicum longipes* Wight & Arn. ex Hook. f. Fl. Brit. India 7: 58. 1896.

A perennial herb, usually in damp shaded places.

Distrib.: Coimbatore, Nilgiri, Tirunelveli. O.

Cyrtococcum muricatum (Retz.) Bor, Grass. Burma Ceylon India Pakistan 291. 1960. *Panicum muricatum* Retz. Obs. Bot. 4: 18. 1786.

A perennial with warted lower lemma and upper glumes.

Distrib.: Tirunelveli.

Cyrtococcum oxyphyllum (Steud.) Stapf in Hooker's Icon. Pl. sub t. 3096. 1922; Fischer in Gamble, Fl. Pres. Madras 3: 1237. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 291. 1960. *Panicum oxyphyllum* Steud. Syn. Pl. Glumac. 1: 65. 1854. *P. pilipes* Nees & Arn. ex Buese in Miq. Pl. Jungh. 3: 376. 1854; Hook. f. Fl. Brit. India 7: 57. 1896.

A perennial herb, in damp shaded places.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem, Tirunelveli.

Cyrtococcum patens (L.) A. Camus in Bull. Mus. Hist. Nat. (Paris) 27: 118.

1921; Fischer in Gamble, Fl. Pres. Madras 3: 1237. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 292. 1960. *Panicum patens* L. Sp. Pl. 58. 1753; Hook. f. Fl. Brit. India 7: 57. 1896 p.p. *Cyrtococcum radicans* (Retz.) Stapf in Hooker's Icon. Pl. sub t. 3096. 1922; Fischer in Gamble, Fl. Pres. Madras 3: 1237. 1957 (repr. ed.). *Panicum radicans* Retz. Obs. Bot. 4: 18. 1786.

A tall perennial herb, matting on the ground, in shaded places.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Cyrtococcum trigonum (Retz.) A. Camus in Bull. Mus. Hist. Nat. (Paris) 27: 118. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1237. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 292. 1960. *Panicum trigonum* Retz. Obs. Bot. 3: 9. 1783; Hook. f. Fl. Brit. India 7: 56. 1896.

An annual herb, usually matting in damp, shaded places, in sandy soil.

Distrib.: Chengalpattu, Coimbatore, Kanniyakumari, Madurai, Nilgiri, Ramnathapuram, Salem, Tirunelveli.

Dactylis glomerata L. Sp. Pl. 71. 1753; Hook. f. Fl. Brit. India 7: 335. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1281. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 530. 1960.

A tufted herb, grown as a fodder, at times found as an escape, in hills.

Dactyloctenium aegyptium (L.) Willd. Enum. Pl. Hort. Berol. 1029. 1809; Fischer in Gamble, Fl. Pres. Madras 3: 1273. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 489. t. 54. 1960. *Cynosurus aegyptius* L. Sp. Pl. 72. 1753. *Eleusine aegyptiaca* (L.) Desf. Fl. Atlant. 1: 85. 1798; Hook. f. Fl. Brit. India 7: 295. 1896; Rang. & Tad. Handb. South Indian Grass. tt. 5, 208 & 209. 1921.

An annual herb with prostrate or erect culms, usually a weed in cultivated fields.

Distrib.: All districts.

Dendrocalamus strictus (Roxb.) Nees in *Linnaea* 9: 476. 1834; Gamble in *Hook. f. Fl. Brit. India* 7: 404. 1896; Fischer in *Gamble, Fl. Pres. Madras* 3: 1286. 1957 (repr. ed.). *Bambosa stricta* Roxb. *Pl. Cor.* t. 80. 1798.

Tamil: *Kal-mungil*.

A tall bamboo, usually along dry hilly tracts.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Nilgiri, Salem, Tirunelveli. E.

Desmostachya bipinnata (L.) Stapf in *Dyer, Fl. Cap.* 7: 632. 1900; Fischer in *Gamble, Fl. Pres. Madras* 3: 1259. 1957 (repr. ed.); Bor, *Grass. Burma Ceylon India Pakistan* 491. 1960. *Briza bipinnata* L. *Syst. Nat. ed.* 10. 875. 1759. *Eragrostis cynosuroides* (Retz.) P. Beauv. *Ess. Agrost.* 162. 1812; *Hook. f. Fl. Brit. India* 7: 324. 1896; Rang. & Tad. *Handb. South Indian Grass.* t. 226. 1921. *Poa cynosuroides* Retz. *Obs. Bot.* 4: 20. 1786.

A tall stoloniferous perennial herb, often in sandy areas.

Distrib.: Chengalpattu, Tiruchchirappalli (RHT).

Dichanthium annulatum (Forssk.) Stapf in *Prain, Fl. Trop. Africa* 9: 178. 1917; Fischer in *Gamble, Fl. Pres. Madras* 3: 1206. 1957 (repr. ed.); Bor, *Grass. Burma Ceylon India Pakistan* 133. 1960. *Andropogon annulatus* Forssk. *Fl. Aeg.-Arab.* 173. 1775; *Hook. f. Fl. Brit. India* 7: 196. 1896; Rang. & Tad. *Handb. South Indian Grass.* tt. 160 & 161. 1921.

A densely tufted perennial herb with erect or ascending culms, usually in hedges, bushes and waste places.

Distrib.: Almost all districts.

Dichanthium aristatum (Poir.) Hubbard in *Kew Bull.* 1939: 654. 1939; Bor, *Grass. Burma Ceylon India Pakistan* 134. 1960. *Andropogon aristatus* Poir. in *Lam. Encycl. Suppl.* 1: 585. 1810. *Dichanthium nodosum* Willem. in *Ann. Bot. (Usteri)* 18: 11. 1796, nom. illeg.; Fischer in *Gamble, Fl. Pres. Madras* 3: 1207. 1957 (repr. ed.).

A tufted perennial herb with softly villous peduncles.

Distrib.: Chengalpattu, Coimbatore, Salem.

Dichanthium caricosum (L.) A. Camus in *Bull. Mus. Hist. Nat. (Paris)* 27: 549. 1921; Fischer in *Gamble, Fl. Pres. Madras* 3: 1206. 1957 (repr. ed.). *Andropogon caricosus* L. *Sp. Pl. ed.* 2. 2: 1480. 1763; *Hook. f. Fl. Brit. India* 7: 196. 1896; Rang. & Tad. *Handb. South Indian Grass.* t. 159. 1921.

A tufted perennial herb, in hedges, bushes and waste places.

Distrib.: Chengalpattu, Coimbatore, Thanjavur.

Dichanthium oliganthum (Hochst. ex Steud.) Cope in *Kew Bull.* 35: 703. 1980. *Andropogon oliganthus* Hochst. ex Steud. *Syn. Pl. Glumac.* 1: 368. 1854; *Hook. f. Fl. Brit. India* 7: 201. 1896. *Indochloa oligantha* (Hochst. ex Steud.) Bor in *Kew Bull.* 1954: 79. 1954 & *Grass. Burma Ceylon India Pakistan* 171. t. 9. 1960. *Heteropogon oliganthus* (Hochst. ex Steud.) Blatter & McCann in *J. Bombay Nat. Hist. Soc.* 32: 623. 1928; Fischer in *Gamble, Fl. Pres. Madras* 3: 1208. 1957 (repr. ed.).

A herb, highly aromatic when fresh.

Distrib.: Coimbatore, Nilgiri. O. R.

Dichanthium pallidum (Hook. f.) Stapf ex Fischer in *Gamble, Fl. Pres. Madras* 1741. 1934 & 3: 1207. 1957 (repr. ed.); Bor, *Grass. Burma Ceylon India Pakistan*

135. 1960. *Apocopis pallida* Hook. f. Fl. Brit. India 7: 143. 1896.

A prostrate herb, rooting at nodes with small geniculately ascending flowering branches.

Distrib.: Nilgiri (Fischer 1957). O. R.

Dichaetaria wightii Nees ex Steud. Syn. Pl. Glumac. 1: 145. 1854; Hook. f. Fl. Brit. India 7: 300. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1266. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 471. 1960.

A slender perennial herb, in deeply shaded places.

Distrib.: Thanjavur (Fischer 1957), Tirunelveli. R.

Digitaria abludens (Roem. & Schultes) Veldk. in Blumea 21: 53. t. 11d. 1973. *Panicum abludens* Roem. & Schultes, Syst. 2: 457. 1817. *Digitaria granularis* (Trin. ex Spreng.) Henrard, Monog. Digitaria 302. 1950; Bor, Grass. Burma Ceylon India Pakistan 301. 1960. *Paspalum granulare* Trin. ex Spreng. Neue Entd. 2: 47. 1821. *P. pedicellare* Trin. ex Hook. f. Fl. Brit. India 7: 19. 1896. *Digitaria pedicellaris* (Trin. ex Hook. f.) Prain, Bengal Pl. 1182. 1903; Fischer in Gamble, Fl. Pres. Madras 3: 1223. 1957 (repr. ed.).

A tufted annual herb.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Tirunelveli.

Digitaria bicornis (Lam.) Roem. & Schultes ex Loud. Hort. Brit. 24: n. 1578. 1830; Bor, Grass. Burma Ceylon India Pakistan 299. 1960; Veldk. in Blumea 21: 30 f. 3d. 1973. *Paspalum bicornis* Lam. Tabl. Encycl. 1: 176. 1791. *P. heterantherum* Hook. f. Fl. Brit. India 7: 16. 1896, non Nees & Meyen 1843. *Digitaria bicornis* Willd. Enum. Pl. Hort. Berol. 92. 1809; Bor, Grass. Burma Ceylon India Pakistan 299. 1960.

A tufted herb, usually in open places.

Distrib.: Chengalpattu, Coimbatore, Nilgiri, Salem.

Digitaria brownii (Roem. & Schultes) Hughes in Kew Bull. 1923: 313. 1923; Bor, Grass. Burma Ceylon India Pakistan 300. 1960. *Panicum brownii* Roem. & Schultes, Syst. 2: 462. 1817.

An erect herb.

Distrib.: "Madras State" (Bor 1960).

Digitaria ciliaris (Retz.) Koeler, Descr. Gram. 27. 1802; Veldk. in Blumea 21: 32. t. 5a. 1973. *Panicum ciliare* Retz. Obs. Bot. 4: 16. 1786. *Digitaria adscendens* (H.B.K.) Henrard in Blumea 1: 92. 1934; Bor, Grass. Burma Ceylon India Pakistan 298. 1960. *Panicum adscendens* H.B.K. Nov. Gen. Sp. 1: 97. 1816. *Digitaria marginata* Link, Enum. Pl. Hort. Berol. 1: 102. 1821; Fischer in Gamble, Fl. Pres. Madras 3: 1222. 1957 (repr. ed.) incl. var. *fimbriata* Stapf.

An annual herb, usually in pastures, hedges and thickets.

Distrib.: All districts.

Digitaria griffithii (Hook. f.) Henrard in Blumea 1: 100. 1934; Fischer in Gamble, Fl. Pres. Madras 3: 1222. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 301. 1960. *Paspalum sanguinale* (L.) Lam. var. *griffithii* Hook. f. Fl. Brit. India 7: 15. 1896.

An annual herb.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem, Tirunelveli.

Digitaria longiflora (Retz.) Pers. Syn. 1: 85. 1805; Fischer in Gamble, Fl. Pres. Madras 3: 1223. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 302. 1960; Veldk. in Blumea 21: 66. t. 14 a. 1973. *Paspalum longiflorum* Retz. Obs. Bot. 4: 15. 1786; Hook. f. Fl. Brit. India 7: 1223. 1896 p.p.

An annual herb, usually in open fields and waste places.

Distrib.: Chengalpattu, Coimbatore, Madurai, Nilgiri, North Arcot, Salem, South Arcot, Tirunelveli.

Digitaria radicata (Presl) Miq. Fl. Ind. Bat. 3: 437. 1857; Veldk. in Blumea 21: 35. t. 5b. 1973. *Panicum radicosum* Presl, Reliq. Haenk. 1: 297. 1830 excl. syn. *Digitaria timorensis* (Kunth) Bal. in Morot, J. Bot. 4: 138. 1890; Bor, Grass. Burma Ceylon India Pakistan 306. 1960. *Panicum timorense* Kunth, Enum. Pl. 1: 83. 1833. *Paspalum sanguinale* Lam. var. *debile* Hook. f. Fl. Brit. India 7: 16. 1896.

A small, much-branched herb, in pastures and as a weed in gardens.

Distrib.: Coimbatore, Salem (Britto & Matthew 1983). **R.**

Digitaria setigera Roth in Roem. & Schultes, Syst. 2: 474. 1817; Bor, Grass. Burma Ceylon India Pakistan 305. 1960; Veldk. in Blumea 21: 37. t. 5e. 1973. *D. microbachne* (Presl) Henrard in Meded Rijks-Herb. n. 16: 13. 1930; Bor, Grass. Burma Ceylon India Pakistan 302. 1960. *Panicum microbachne* Presl, Reliq. Haenk. 1: 298. 1830. *Paspalum sanguinale* Lam. var. *extensum* Hook. f. Fl. Brit. India 7: 15. 1896; Rang. & Tad. Handb. South Indian Grass. tt. 74 & 75. 1921.

An annual herb, rooting at lower nodes and forming loose mats.

Distrib.: Coimbatore, Madurai, Nilgiri, North Arcot, Salem, Tirunelveli.

Digitaria stricta Roth ex Roem. & Schultes, Syst. 2: 474. 1817; Bor, Grass. Burma Ceylon India Pakistan 305. 1960. *D. royleana* (Nees ex Hook. f.) Prain, Bengal Pl. 1182. 1903; Fischer in Gamble, Fl. Pres. Madras 3: 1223. 1957 (repr. ed.). *Paspalum royleanum* Nees ex Hook. f. Fl. Brit. India 7: 18. 1896.

An annual herb.

Distrib.: Coimbatore (Fischer 1921); "Madras" (Bor 1960).

Digitaria ternata (A. Rich.) Stapf in Dyer, Fl. Cap. 7: 376. 1898; Fischer in Gamble, Fl. Pres. Madras 3: 1222. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 306. 1960. *Cynodon ternatus* A. Rich. Tent. Fl. Abyss. 2: 405. 1851. *Paspalum ternatum* (A. Rich.) Hook. f. Fl. Brit. India 7: 17. 1896.

An annual herb with silvery racemes and dark purple fruits.

Distrib.: Nilgiri.

Digitaria tomentosa (Koen. ex Willd.) Henrard in Blumea 1: 100. 1934; Bor, Grass. Burma Ceylon India Pakistan 306. 1960; Jain in Indian Forester 92: 363. t. 2 a-h. 1966. *Milium tomentosum* Koen. ex Willd. in Ges. Naturf. Freunde Berlin Neue Schriften 4: 220. 1803. *Panicum subeglume* Trin. in Mem. Acad. Imp. Sci. Saint Petersburg, Ser. 6, Sci. Math., Seconde Pt. Sci. Nat. 3: 292. 1834; Hook. f. Fl. Brit. India 7: 51. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1235. 1957 (repr. ed.).

A perennial herb with slender culms.

Distrib.: Chengalpattu, Coimbatore, Madurai (CAL), Salem, Tiruchchirappalli, Tirunelveli. **O.**

Digitaria violascens Link, Hort. Berol. 1: 229. 1827; Bor, Grass. Burma Ceylon India Pakistan 307. 1960. *D. chinensis* sensu Fischer in Gamble, Fl. Pres. Madras 1765. 1934 & 3: 1223. 1957 (repr. ed.), non Hornem 1819. *Paspalum longiflorum* sensu Hook. f. Fl. Brit. India 7: 17. 1896 p.p., non Retz. 1786.

An annual herb.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Digitaria wallichiana (Wight & Arn. ex Steud.) Stapf in Prain, Fl. Trop. Africa 9: 436. 1919; Fischer in Gamble, Fl. Pres. Madras 3: 1223. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 307. 1960. *Panicum wallichianum* Wight & Arn. ex Steud. Syn. Pl. Glumac. 1: 41. 1854. *Paspalum perrottetii* Hook. f. Fl. Brit. India 7: 20. 1896 quoad descr. excl. basionym.

A tufted herb, found in hilly regions.

Distrib.: Madurai (CAL), Nilgiri.

Dimeria acutipes Bor in Kew Bull. 1952: 560. 1953 & Grass. Burma Ceylon India Pakistan 138. t. 4. f. 19. 1960.

A weed in rice fields.

Distrib.: Chengalpattu (Bor 1960).
O. R.

Dimeria avenacea (Retz.) Fischer in Kew Bull. 1932: 72. 1932 & in Gamble, Fl. Pres. Madras 3: 1187. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 139. t. 3. f. 12. 1960. *Anthoxanthum avenaceum* Retz. Obs. Bot. 3: 8. 1783. *Dimeria pusilla* Thw. Enum. Pl. Zeyl. 369. 1864; Hook. f. Fl. Brit. India 7: 103. 1896.

A small herb with filiform culms.

Distrib.: Chengalpattu (CAL), Tirunelveli (Fischer 1957).

Dimeria ceylanica Bor in Kew Bull. 1952: 562. 1953 & Grass. Burma Ceylon India Pakistan 140. t. 4. f. 24. 1960.

An annual herb.

Distrib.: "Madras State" (Bor 1960).

Dimeria deccanensis Bor in Kew Bull. 1952: 578. 1953 & Grass. Burma Ceylon India Pakistan 140. t. 3. f. 3. 1960.

An annual herb.

Distrib.: "Madras State" (Bor 1960).
O. R.

Dimeria fischeri Bor in Kew Bull. 1952: 564. 1953 & Grass. Burma Ceylon India Pakistan 140. t. 3. f. 10. 1960.

An annual herb.

Distrib.: "Madras State" (Bor 1960).
O. R.

Dimeria fuscescens Trin. in Mem. Acad. Imp. Sci. St. Petersburg, Ser. 6, Sci. Math. 2: 335. 1832; Hook. f. Fl. Brit. India 7: 105. 1896; Bor, Grass. Burma Ceylon India Pakistan 140. 1960; Matthew, Fl. Tamilnadu Carnatic 3: 1841. 1983.

A perennial herb.

Distrib.: Tamilnadu Carnatic (Matthew 1983).

Dimeria gracilis Nees ex Steud. Syn. Pl. Glumac. 1: 413. 1854; Hook. f. Fl. Brit. India 7: 105. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1188. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 140. t. 3. f. 4. 1960.

A perennial herb.

Distrib.: "Madras State" (Bor 1960).

Dimeria kollimalayana Mohanan & Rao in J. Bombay Nat. Hist. Soc. 80: 617. 1983 (1984).

An annual herb, on exposed slopes of hills.

Distrib.: Salem. O. R.

Dimeria lawsonii (Hook. f.) Fischer in Gamble, Fl. Pres. Madras 1713. 1934 & 3: 1188. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 142. t. 3. ff. 5 & 6. 1960. *D. pusilla* Thw. var. *lawsonii* Hook. f. Fl. Brit. India 7: 103. 1896.

A tufted annual herb.

Distrib.: "Madras State" (Bor 1960).
O. R.

Dimeria lehmanii (Nees ex Steud.) Hack. in A.D.C. Monog. Phan. 6: 82.

1889; Hook. f. Fl. Brit. India 7: 104. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1188. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 142. t. 4. f. 26. 1960. *Pterygostachyum lehmanii* Nees ex Steud. Syn. Pl. Glumac. 1: 413. 1853 p.p.

A perennial herb.

Distrib.: Chengalpattu, Kanniyakumari.

Dimeria mooneyi Raizada ex Mooney, Suppl. Bot. Bihar Orissa 263. 1950; Bor, Grass. Burma Ceylon India Pakistan 142. t. 4. f. 14. 1960.

An annual herb with corky wings on the glumes, usually in the crevices of rocks.

Distrib.: "Madras State" (Bor 1960).

Dimeria orissae Bor in Kew Bull. 1952: 579. 1953 & Grass. Burma Ceylon India Pakistan 142. 1960; Britto & Matthew in Matthew, Fl. Tamilnadu Carnatic 3: 1842. 1983.

An erect herb, on exposed moist rocks.

Distrib.: Salem (Britto & Matthew 1983). O. R.

: **Dimeria ornithopoda** Trin. Fund. Agrost. 167. t. 14. 1820, var. **ornithopoda**; Hook. f. Fl. Brit. India 7: 104. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1188. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 142. t. 3. f. 8. 1960.

An erect annual herb.

Distrib.: Nilgiri.

Dimeria ornithopoda Trin. var. **khasiana** Bor, Grass. Burma Ceylon India Pakistan 144. 1960; Britto & Matthew in Matthew, Fl. Tamilnadu Carnatic 3: 1843. 1983.

An erect annual herb.

Distrib.: Tamilnadu Carnatic (Britto & Matthew 1983).

Dinebra retroflexa (Vahl) Panzer in Denkschr. Koenigl. Akad. Wiss. Muen-

chen 270. t. 12. 1814; Fischer in Gamble, Fl. Pres. Madras 3: 1274. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 491. 1960. *Cynosurus retroflexus* Vahl, Symb. Bot. 2: 20. 1791. *Dinebra arabica* Jacq. Frag. 77. t. 121. f. 1. 1807; Hook. f. Fl. Brit. India 7: 297. 1896; Rang. & Tad. Handb. South Indian Grass. tt. 17, 210 & 211. 1921.

A tufted annual, usually a weed in cultivated fields.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, Ramanathapuram, Salem, South Arcot, Thanjavur, Tiruchchirappalli.

Diplachne malabarica (L.) Merr. in Bull. Torrey Bot. Club 60: 633. 1933. *Poa malabarica* L. Sp. Pl. 69. 1753. *Diplachne fusca* (L.) P. Beauv. Ess. Agrost. 80&163. 1812; Hook. f. Fl. Brit. India 7: 329. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1266. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 492. 1960. *Festuca fusca* L. Syst. Nat. ed. 10. 876. 1759. *Leptochloa malabarica* (L.) Veldk. in Blumea 19: 64. 1971.

Tamil: *Mandipul*.

A tufted herb in waste places.

Distrib.: Tiruchchirappalli, Tirunelveli (Fischer 1957).

Echinochloa colona (L.) Link, Hort. Berol. 2: 209. 1833; Fischer in Gamble, Fl. Pres. Madras 3: 1230. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 308. t. 34. 1960. *Panicum colonum* L. Syst. Nat. ed. 10. 870. 1759; Hook. f. Fl. Brit. India 7: 32. 1896; Rang. & Tad. Handb. South Indian Grass. tt. 89 & 90. 1921.

Tamil: *Karumpullu*, *Sauri*, *Sawa*, *Var-sanam pullu*.

A tufted annual with slender culms, along sides of pools, streams and other wet places; often a weed in rice fields.

Distrib.: Almost all districts.

Echinochloa crusgalli (L.) P. Beauv. Ess. Agrost. 53 & 161. 1812; Fischer in Gamble, Fl. Pres. Madras 3: 1231. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 310. 1960; Cope in Nasir & Ali, Fl. Pakistan 143: 193. 1982. *Panicum crusgalli* L. Sp. Pl. 56. 1753; Hook. f. Fl. Brit. India 7: 31. 1896 p.p. *Echinochloa glabrescens* Munro ex Eggel. Ann. List Grass. Uganda 16. 1947; Bor, Grass. Burma Ceylon India Pakistan 311. 1960; Britto & Matthew in Matthew, Fl. Tamilnadu Carnatic 3: 1846. 1983.

A tufted annual herb, usually in rice fields and other very moist places.

Distrib.: Chengalpattu, Coimbatore, Madurai (Bor 1960), North Arcot, South Arcot, Tiruchchirappalli (RHT), Tirunelveli.

Echinochloa frumentacea Link, Hort. Berol. 1: 204. 1827; Bor, Grass. Burma Ceylon India Pakistan 311. 1960. *Panicum crusgalli* L. var. *frumentacea* (Link) Trimen, Syst. Cat. Fl. Pl. Ceylon 404. 1885; Hook. f. Fl. Brit. India 7: 31. 1896. *Echinochloa colona* (L.) Link. var. *frumentacea* (Link) Ridley, Fl. Malay Penins. 5: 223. 1925; Fischer in Gamble, Fl. Pres. Madras 3: 1231. 1957 (repr. ed.).

A robust annual or perennial herb.

Tamil: *Kudiravalli pullu*, *Rail pullu*.

Distrib.: Chengalpattu, Coimbatore, Salem, Tirunelveli. **E.**

Echinochloa oryzoides (Ard.) Fritsch in Verh. K.K. Zool.-Bot. Ges. Wien 41: 742. 1892; Britto & Matthew in Matthew, Fl. Tamilnadu Carnatic 3: 1846. 1983. *Panicum oryzoides* Ard. Animadv. Bot. Spec. Alt. 616. t. 5. 1764.

Tamil: *Nellukku chakkalathi*.

A robust weed, in rice fields.

Distrib.: Tamilnadu Carnatic (Britto & Matthew 1983).

Echinochloa picta (J. Koen.) Michael in Philipp. J. Weed Sci. 5: 18. 1978; Britto & Matthew in Matthew, Fl. Tamilnadu Carnatic 3: 1847. 1983. *Panicum pictum* J. Koen. in Naturforscher (Halle) 23: 204. 1788; Hook. f. Fl. Brit. India 7: 32. 1896 (syn. under *P. colonum* L.).

An erect herb.

Distrib.: Tamilnadu Carnatic (Britto & Matthew 1983).

Echinochloa stagnina (Retz.) P. Beauv. Ess. Agrost. 53, 161 & 171. 1812; Fischer in Gamble, Fl. Pres. Madras 3: 1231. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 311. 1960. *Panicum stagninum* Retz. Obs. Bot. 5: 17. 1789; Rang. & Tad. Handb. South Indian Grass. t. 83. 1921. *P. crusgalli* sensu Hook. f. Fl. Brit. India 7: 30. 1896 p.p., non L. 1753.

An annual herb, geniculately ascending from a creeping base, in semi-aquatic situations along margins of rice fields, ponds and water courses; at times the culms float on water.

Distrib.: Chengalpattu, Coimbatore, Madurai, Ramanathapuram, Salem, South Arcot, Thanjavur, Tiruchchirappalli (RHT).

Ehrharta abyssinica Hochst. in Flora 38: 193. 1855; Fischer in Gamble, Fl. Pres. Madras 3: 1310. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 484. 1960.

An erect herb, up to 1 m tall, introduced in the Nilgiris.

Eleusine coracana (L.) Gaertn. Fruct. 1: 8. t. 1. f. 11. 1789; Hook. f. Fl. Brit. India 7: 299. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1273. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 491. 1960. *Cynosurus coracana* L. Syst. Nat. ed. 10. 875. 1759.

Tamil: *Ragi*, *Kelvaragu*, *Kapai*.

Cultivated in many districts. **E.**

Eleusine indica (L.) Gaertn. Fruct. 1: 8. 1789; Hook. f. Fl. Brit. India 7: 293. 1896; Rang. & Tad. Handb. South Indian Grass. t. 206. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1273. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 493. 1960. *Cynosurus indicus* L. Sp. Pl. 72. 1753.

Tamil: *Thippa ragi*.

An erect annual herb in moist places, often a weed in cultivated fields.

Distrib.: Chengalpattu, Coimbatore, Madurai, Nilgiri, Tirunelveli.

Elytrophorus spicatus (Willd.) A. Camus in Lecomte, Fl. Indo-Chine 7: 547. 1923; Fischer in Gamble, Fl. Pres. Madras 3: 1275. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 493. 1960. *Dactylis spicata* Willd. in Ges. Naturf. Freunde Berlin Neue Schriften 3: 416. 1801. *Elytrophorus articulatus* P. Beauv. Ess. Agrost. 67. t. 14. f. 2. 1812; Hook. f. Fl. Brit. India 7: 306. 1896.

Tamil: *Vavaltenai*.

An erect herb, in moist places, often a weed in rice fields.

Distrib.: Chengalpattu (Fischer 1957), South Arcot, Thanjavur (Fischer 1957).

Enneapogon schimperanus (Hochst. ex A. Rich.) Renvoize in Kew Bull. 22: 400. 1968. *Pappophorum schimperanum* Hochst. ex A. Rich. Tent. Fl. Abyss. 2: 403. 1851. *Enneapogon elegans* (Nees ex Steud.) Stapf in Kew Bull. 1907: 224. 1907; Fischer in Gamble, Fl. Pres. Madras 3: 1274. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 610. 1960. *Pappophorum elegans* Nees ex Steud. Syn. Pl. Glumac. 1: 199. 1854; Hook. f. Fl. Brit. India 7: 301. 1896; Rang. & Tad. Handb. South Indian Grass. tt. 215 & 216. 1921.

A perennial herb, usually in black cotton and rich loamy soils.

Distrib.: Coimbatore, Dharmapuri, Nilgiri, Ramanathapuram, Salem.

Enteropogon coimbatorensis K.K.N. Nair, Jain & Nayar in Proc. Indian Acad. Sci. 86B: 84. t. 1 a-g. 1977.

A slender perennial herb.

Distrib.: Coimbatore. O. R.

Enteropogon monostachyos (Vahl) Schum. ex Engler in Abh. Koenigl. Akad. Wiss. Berlin 17. 1894; Fischer in Gamble, Fl. Pres. Madras 3: 1269. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 472. 1960. *Cynosurus monostachyos* Vahl, Symb. Bot. 2: 20. 1791. *Enteropogon melicoides* (Koen. ex Rottl.) Nees in Lindl. Intr. Nat. Syst. Bot. ed. 2. 449. 1836; Hook. f. Fl. Brit. India 7: 284. 1896; Rang. & Tad. Handb. South Indian Grass. t. 189. 1921. *Ischaemum melicoides* Koen. ex Rottl. in Ges. Naturf. Freunde Berlin Neue Schriften 4: 211. 1803.

Tamil: *Kannai pullu*.

A slender perennial herb.

Distrib.: Chengalpattu, Coimbatore, Nilgiri, North Arcot, Ramanathapuram, Salem, Tirunelveli.

Eragrostiella bifaria (Vahl) Bor in Indian Forester 66: 270. 1940 & Grass. Burma Ceylon India Pakistan 494. 1960. *Poa bifaria* Vahl, Symb. Bot. 2: 19. 1791. *Eragrostis bifaria* (Vahl) Wight ex Steud. Nomencl. ed. 2. 1: 562. 1840; Stapf in Hook. f. Fl. Brit. India 7: 325. 1896; Rang. & Tad. Handb. South Indian Grass. t. 227. 1921. *E. coromandeliana* (Koen. ex Rottl.) Trin. in Mem. Acad. Imp. Sci. St. Petersburg, Ser. 6, Sci. Math. 1: 415. 1831; Hook. f. Fl. Brit. India 7: 326. 1896. *Poa coromandeliana* Koen. ex Rottl. in Ges. Naturf. Freunde Berlin Neue Schriften 4: 191. 1803.

A densely tufted perennial herb, in moist places.

Distrib.: Almost all districts.

Eragrostiella brachyphylla (Stapf) Bor in Indian Forester 66: 270. 1940 & Grass. Burma Ceylon India Pakistan 494. 1960. *Eragrostis brachyphylla* Stapf in Hook. f. Fl. Brit. India 7: 327. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1265. 1957 (repr. ed.).

A densely tufted perennial, in moist places.

Distrib.: Chengalpattu, Coimbatore, North Arcot, Ramanathapuram, Salem, Tirunelveli. O.

Eragrostiella walkeri (Stapf) Bor in Indian Forester 66: 270. 1940 & Grass. Burma Ceylon India Pakistan 495. 1960. *Eragrostis walkeri* Stapf in Trimen, Handb. Fl. Ceylon 5: 298. 1900.

A perennial herb.

Distrib.: "Madras" (Bor 1960).

Eragrostis aspera (Jacq.) Nees, Fl. Afr. Austral. Ill. 408. 1841; Stapf in Hook. f. Fl. Brit. India 7: 314. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1263. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 501. t. 55. 1960. *Poa aspera* Jacq. Hort. Bot. Vindob. 3: 32. t. 56. 1776.

An annual herb.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem, South Arcot (Fischer 1957), Tiruchchirappalli (RHT), Tirunelveli.

Eragrostis atrovirens (Desf.) Trin. ex Steud. Nomencl. ed. 2. 1: 562. 1840; Bor, Grass. Burma Ceylon India Pakistan 503. 1960. *Poa atrovirens* Desf. Fl. Atlant. 1: 73. t. 14. 1798.

A perennial herb, in waste places.

Distrib.: Madurai, Nilgiri, Tirunelveli.

Eragrostis cilianensis (All.) Vign. in Malpighia 18: 386. 1904; Fischer in

Gamble, Fl. Pres. Madras 3: 1264. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 503. 1960. *Poa cilianensis* All. Fl. Pedem. 2: 246. t. 91. f. 2. 1785. *Eragrostis major* Host, Icon. Descr. Gram. Austriac. 4: 14. t. 24. 1809; Stapf in Hook. f. Fl. Brit. India 7: 320. 1896; Rang. & Tad. Handb. South Indian Grass. tt. 221 & 222. 1921.

A tufted annual, usually a weed in cultivated fields.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem, South Arcot, Tirunelveli.

Eragrostis ciliaris (L.) R. Br. in Tuckey, Narr. Exped. Zaire App. 478. 1818; Stapf in Hook. f. Fl. Brit. India 7: 314. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1263. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 506. 1960. *Poa ciliaris* L. Syst. Nat. ed. 10. 875. 1759.

An annual herb, usually in dry places.

Distrib.: Chengalpattu (PCM), Coimbatore, South Arcot (HIFP), Tiruchchirappalli (RHT), Tirunelveli.

Eragrostis ciliata (Roxb.) Nees, Agrost. Bras. 512. 1829; Stapf in Hook. f. Fl. Brit. India 7: 313. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1263. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 506. 1960. *Poa ciliata* Roxb. Fl. Ind. 1: 336. 1820.

A perennial herb with compact cylindrical spikes.

Distrib.: Tirunelveli.

Eragrostis coarctata Stapf in Hook. f. Fl. Brit. India 7: 313. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1263. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 507. 1960.

A tufted perennial herb.

Distrib.: "Madras" (Bor 1960).

Eragrostis curvula (Schrader) Nees, Fl. Afr. Austral. Ill. 397. 1841; Bor, Grass.

Burma Ceylon India Pakistan 507. 1960. *Poa curvula* Schrader in Goett. Gel. Anz. 3: 2073. 1821.

A densely tufted perennial herb, introduced in hill stations.

Eragrostis deccanensis Bor, Grass. Burma Ceylon India Pakistan 507. 1960. *E. spicata* Jedwabn. in Bot. Arch. 5: 185. 1924, non Vasey 1891; Fischer in Gamble, Fl. Pres. Madras 3: 1263. 1957 (repr. ed.). *E. phleoides* Stapf in Hook. f. Fl. Brit. India 7: 313. 1896, non Hillebr. 1888.

A tufted perennial herb.

Distrib.: Salem. O.

Eragrostis gangetica (Roxb.) Steud. Syn. Pl. Glumac. 1: 266. 1854; Fischer in Gamble, Fl. Pres. Madras 3: 1264. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 508. 1960. *Poa gangetica* Roxb. Fl. Ind. 1: 341. 1820. *Eragrostis stenophylla* Hochst. ex Miq. in Verh. Kon. Ned. Inst. Wetensch. 3(4): 39. 1851; Stapf in Hook. f. Fl. Brit. India 7: 318. 1896 p.p.

An annual herb, in moist places.

Distrib.: Almost all districts.

Eragrostis japonica (Thunb.) Trin. in Mem. Acad. Imp. Sci. St.-Petersbourg, Ser. 6, Sci. Math. 1: 405. 1831; Fischer in Gamble, Fl. Pres. Madras 3: 1264. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 509. 1960. *Poa japonica* Thunb. Fl. Jap. 51. 1784. *Eragrostis interrupta* Lam. Tabl. Encycl. 1: 185. 1791; Stapf in Hook. f. Fl. Brit. India 7: 316. 1896 incl vars. *E. diarrhena* (Schultes) Steud. Syn. Pl. Glumac. 1: 266. 1854; Fischer in Gamble, Fl. Pres. Madras 3: 1264. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 507. 1960. *Poa diarrhena* Schultes, Mant. 2: 616. 1824. *Diandrochloa diarrhena* (Schultes) Henry in Bull. Bot. Surv. India 9: 290. 1967 (1968). *D. japonica*

(Thunb.) Henry in Bull. Bot. Surv. India 9: 290. 1967 (1968).

Tamil: *Kanjira-pullu*.

An erect tufted herb, in a variety of habitats.

Distrib.: Almost all districts.

Eragrostis macilenta (A. Rich.) Steud. Syn. Pl. Glumac. 1: 268. 1854; Bor, Grass. Burma Ceylon India Pakistan 509. 1960. *Poa macilenta* A. Rich. Tent. Fl. Abyss. 2: 428. 1851.

An annual herb with dark grey spikelets in a drooping panicle.

Distrib.: Madurai (Karthik. 1971).

Eragrostis maderaspatana Bor, Grass. Burma Ceylon India Pakistan 509. 1960. *E. willdenowiana* Nees ex Stapf in Hook. f. Fl. Brit. India 7: 322. 1896, non Nees ex Hook. & Arn. 1838; Rang. & Tad. Handb. South Indian Grass. tt. 223 & 224. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1265. 1957 (repr. ed.).

A tufted annual or perennial herb.

Distrib.: Coimbatore, Ramanathapuram, Tirunelveli.

Eragrostis minor Host, Icon. Descr. Austriac. 4: 15. 1809; Stapf in Hook. f. Fl. Brit. India 7: 321. 1896. *E. poaeoides* P. Beauv. Ess. Agrost. 162. 1812; Fischer in Gamble, Fl. Pres. Madras 3: 1264. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 512. 1960.

A densely tufted slender annual, usually in cultivated and fallow lands.

Distrib.: Coimbatore, Nilgiri, North Arcot, Salem, Tirunelveli.

Eragrostis nigra Nees ex Steud. Syn. Pl. Glumac. 1: 267. 1854; Stapf in Hook. f. Fl. Brit. India 7: 324. 1896; Fyson, Fl. South Indian Hill St. 2: t. 606. 1932; Fischer in Gamble, Fl. Pres. Madras 3:

1265. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 511. 1960.

A perennial herb with dark grey spikelets on long pedicels.

Distrib.: Coimbatore (Fischer 1957), Dharmapuri, Madurai (PCM), Nilgiri, Salem, Tirunelveli.

***Eragrostis nutans* (Retz.) Nees ex Steud.** Nomencl. ed. 2. 1: 563. 1840; Fischer in Gamble, Fl. Pres. Madras 3: 1264. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 511. 1960. *Poa nutans* Retz. Obs. Bot. 4: 19. 1786. *Eragrostis stenophylla* sensu Hook. f. Fl. Brit. India 7: 318. 1896 p.p., non Hochst. 1851.

A perennial herb.

Distrib.: Chengalpattu, Nilgiri, Ramanathapuram, South Arcot, Tiruchchirappalli (RHT), Tirunelveli.

***Eragrostis pilosa* P. Beauv. Ess. Agrost.** 71, 162 & 175. 1812; Stapf in Hook. f. Fl. Brit. India 7: 323. 1896; Rang. & Tad. Handb. South Indian Grass. t. 225. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1265. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 512. 1960.

A slender annual with densely tufted culms.

Distrib.: Almost all districts.

***Eragrostis riparia* (Willd.) Nees, Agrost. Bras.** 512. 1829; Fischer in Gamble, Fl. Pres. Madras 3: 1263. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 513. 1960. *Poa riparia* Willd. in Ges. Naturf. Freunde Berlin Neue Schriften 4: 185. 1803. *Eragrostis tenella* (L.) P. Beauv. ex Roem. & Schultes var. *riparia* (Willd.) Stapf in Hook. f. Fl. Brit. India 7: 315. 1896.

A tufted perennial.

Distrib.: Almost all districts.

***Eragrostis rottleri* Stapf in Hook. f. Fl. Brit. India 7: 321. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1265. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 513. 1960.**

An annual herb.

Distrib.: Thanjavur (Fischer 1957).
O. R. +.

***Eragrostis superba* Peyr. in Sitzungsber. Kaiserl. Akad. Wiss., Math.-Naturwiss. Cl. 38: 584. 1860; Bor, Grass. Burma Ceylon India Pakistan 513. 1960.**

An introduced fodder grass. E.

***Eragrostis tef* (Zucc.) Trotter in Bull. Soc. Bot. Ital. 62. 1918 in obs.; Bor, Grass. Burma Ceylon India Pakistan 513. 1960. *Poa tef* Zucc. Diss. Ist. Pianta Panizz. Abiss. 1774.**

An annual herb.

Distrib.: Nilgiri (Bor 1960).

***Eragrostis tenella* (L.) P. Beauv. ex Roem. & Schultes, Syst. 2: 576. 1817, var. *tenella*; Stapf in Hook. f. Fl. Brit. India 7: 315. 1896 incl. var. *plumosa*; Bor, Grass. Burma Ceylon India Pakistan 513. 1960. *Poa tenella* L. Sp. Pl. 69. 1753. *Eragrostis plumosa* (Retz.) Link, Hort. Berol. 1: 192. 1827; Fischer in Gamble, Fl. Pres. Madras 3: 1264. 1957 (repr. ed.). *Poa plumosa* Retz. Obs. Bot. 4: 20. 1786.**

A tufted annual with slender culms; panicles effuse, branches spreading; in cultivated fields and waste places.

Distrib.: All districts.

***Eragrostis tenella* (L.) P. Beauv. ex Roem. & Schultes var. *insularis* Hubbard in Kew Bull. 1939: 654. 1939; Bor, Grass. Burma Ceylon India Pakistan 514. 1960.**

A tufted annual; panicles contracted, branches erect.

Distrib.: "South India" (Bor 1960). E.

Eragrostis tenuifolia (A. Rich.) Hochst. ex Steud. Syn. Pl. Glumac. 1: 268. 1854; Stapf in Hook. f. Fl. Brit. India 7: 322. 1896; Fyson, Fl. South Indian Hill. St. 2: t. 605. 1932; Fischer in Gamble, Fl. Pres. Madras 3: 1265. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 514. 1960. *Poa tenuifolia* A. Rich. Tent. Fl. Abyss. 2: 425. 1851.

A tufted herb with dark olive green to blackish spikelets.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem, Tirunelveli (Fischer 1957).

Eragrostis tremula (Lam.) Hochst. ex Steud. Syn. Pl. Glumac. 1: 269. 1854; Stapf in Hook. f. Fl. Brit. India 7: 320. 1896; Rang. & Tad. Handb. South Indian Grass. tt. 219 & 220. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1264. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 514. 1960. *Poa tremula* Lam. Tabl. Encycl. 1: 185. 1791.

An annual herb.

Distrib.: Tirunelveli.

Eragrostis uniolooides (Retz.) Nees ex Steud. Syn. Pl. Glumac. 1: 264. 1854; Fischer in Gamble, Fl. Pres. Madras 3: 1264. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 515. 1960. *Poa uniolooides* Retz. Obs. Bot. 5: 19. 1789. *Eragrostis amabilis* sensu Hook. f. Fl. Brit. India 7: 317. 1896, non (L.) Wight & Arn. ex Hook. & Arn. 1838; Rang. & Tad. Handb. South Indian Grass. t. 218. 1921.

An erect herb, in dry or moist grassy places.

Distrib.: Almost all districts.

Eragrostis viscosa (Retz.) Trin. in Mem. Acad. Imp. Sci. St.-Petersbourg, Ser. 6, Sci. Math. 1: 397. 1831; Fischer in Gamble, Fl. Pres. Madras 3: 1264. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 515. 1960. *Poa viscosa*

Retz. Obs. Bot. 4: 20. 1786. *Eragrostis tenella* (L.) P. Beauv. ex Roem. & Schultes var. *viscosa* (Retz.) Stapf in Hook. f. Fl. Brit. India 7: 315. 1896.

A tufted viscous herb.

Distrib.: Chengalpattu, Coimbatore, Pudukkottai (RHT), Ramanathapuram, South Arcot, Tiruchchirappalli (RHT), Tirunelveli.

Eremochloa muricata (Retz.) Hack. in A. DC. Monog. Phan. 6: 262. 1889; Hook. f. Fl. Brit. India 7: 142. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1196. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 146. t. 5(1). 1960. *Aegilops muricata* Retz. Obs. Bot. 2: 27. 1781.

A tufted perennial with a creeping woody rhizome.

Distrib.: Chengalpattu, South Arcot.

Eremopogon foveolatus (Del.) Stapf in Prain, Fl. Trop. Africa 9: 183. 1917; Fischer in Gamble, Fl. Pres. Madras 3: 1213. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 148. 1960. *Andropogon foveolatus* Del. Descr. Egypt. Hist. Nat. 16. t. 8. f. 2. 1812; Hook. f. Fl. Brit. India 7: 168. 1896; Rang. & Tad. Handb. South Indian Grass. tt. 148 & 149. 1921. *Dichanthium foveolatum* (Del.) Roberty in Boissiera 9: 170. 1960; Britto & Matthew in Matthew, Fl. Tamilnadu Carnatic 3: 1834. 1983.

A slender grass, growing on a wide variety of soils.

Distrib.: Chengalpattu, Coimbatore, South Arcot, Tirunelveli.

Eriochloa procera (Retz.) Hubbard in Kew Bull. 1930: 256. 1930; Fischer in Gamble, Fl. Pres. Madras 3: 1224. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 312. 1960. *Agrostis procera* Retz. Obs. Bot. 4: 19. 1786. *Eriochloa*

polystachya auct. non H.B.K. 1816; Hook. f. Fl. Brit. India 7: 20. 1896; Rang. & Tad. Handb. South Indian Grass. tt. 78 & 79. 1921.

Tamil: *Tadambaran pullu*, *Mathanka pullu*, *Karungani pullu*.

A tufted perennial, often in rice fields and other marshy and damp places.

Distrib.: All districts.

Eriochrysis rangacharii Fischer in Kew Bull. 1932: 246. 1932 & in Gamble, Fl. Pres. Madras 3: 1186. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 152. 1960.

A perennial herb with wiry stems.

Distrib.: Nilgiri (Fischer 1957). O. R. +.

Euchlaena mexicana Schrader, Ind. Sem. Hort. Goettingen 1832; Bor, Grass. Burma Ceylon India Pakistan 265. 1960.

An introduced grass; at times cultivated for fodder.

Eulalia phaeothrix (Hack.) Kuntze, Rev. Gen. Pl. 2: 775. 1891; Fischer in Gamble, Fl. Pres. Madras 3: 1189. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 156. 1960. *Pollinia phaeothrix* Hack. in A.D.C. Monog. Phan. 6: 168. 1889; Hook. f. Fl. Brit. India 7: 112. 1896; Fyson, Fl. South Indian Hill St. 2: t. 592. 1932.

An erect herb with the basal sheaths having a chocolate coloured indumentum.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Tirunelveli.

Eulalia trispicata (Schultes) Henrard in Blumea 3: 453. 1940; Bor, Grass. Burma Ceylon India Pakistan 157. 1960. *Andropogon trispicatus* Schultes, Mant. 2: 452. 1824. *Eulalia tristachya* Kuntze, Rev. Gen. Pl. 2: 775. 1891; Fischer in Gamble, Fl. Pres. Madras 3: 1189. 1957 (repr. ed.). *Andropogon tristachyus* Roxb.

Fl. Ind. 1: 261. 1820, non H.B.K. 1816. *Pollinia argentea* Trin. in Bull. Sci. Acad. Imp. Sci. Saint-Petersbourg 1: 71. 1836; Hook. f. Fl. Brit. India 7: 111. 1896.

A perennial herb.

Distrib.: Chengalpattu, Nilgiri, Tirunelveli.

Eulalia wightii (Hook. f.) Bor, Grass. Burma Ceylon India Pakistan 158. 1960. *Pollinia quadrinervis* Hack. var. *wightii* Hook. f. Fl. Brit. India 7: 110. 1896; Fyson, Fl. South Indian Hill St. 2: t. 591. 1932.

A perennial herb, usually on hill slopes.

Distrib.: Madurai. O.

Festuca ovina L. Sp. Pl. 73. 1753; Fischer in Gamble, Fl. Pres. Madras 3: 1282. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 539. 1960.

Introduced, at times found as an escape in hill stations.

Festuca undata Stapf var. *aristata* Stapf in Hook. f. Fl. Brit. India 7: 350. 1896; Bor, Grass. Burma Ceylon India Pakistan 542. 1960.

A tufted herb.

Distrib.: Madurai (CAL).

Garnotia arundinacea Hook. f. Fl. Brit. India 7: 243. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1255. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 567. 1960; Ved Prakash & Jain in Fas. Fl. India 3: 6. 1979.

A weak trailing grass, usually in shaded places, in hilly areas.

Distrib.: Coimbatore, Nilgiri. O.

Garnotia courtallensis (Arn. & Nees) Thw. Enum. Pl. Zeyl. 363. 1864; Hook. f. Fl. Brit. India 7: 244. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1255. 1957 (repr. ed.); Bor, Grass. Burma Ceylon

India Pakistan 567. 1960; Ved Prakash & Jain in Fas. Fl. India 3: 7. 1979. *Miquelia courtallensis* Arn. & Nees in Nov. Actorum Acad. Caes. Leop.-Carol. Nat. Cur. 19 (Suppl. 1): 179. 1843.

A slender herb, in woods and along sides of forest streams in shaded places.

Distrib.: Madurai (CAL), Nilgiri.

Garnotia elata (Arn. ex Miq.) Janowski in Repert. Spec. Nov. Regni Veg. 17: 86. 1921; Bor, Grass. Burma Ceylon India Pakistan 567. 1960. *Berghausia elata* Arn. ex Miq. in Verh. Kon. Ned. Inst. 3(4): 32. 1851. *Garnotia scoparia* Stapf ex Hook. f. Fl. Brit. India 7: 242. 1896, non Thw. 1864; Fischer in Gamble, Fl. Pres. Madras 3: 1254. 1957 (repr. ed.). *G. tenuiglumis* Stapf ex Hook. f. Fl. Brit. India 7: 242. 1896.

A tall perennial, in open rocky slopes.

Distrib.: Coimbatore, Kanniyakumari and Madurai (Gould 1972); Nilgiri, Ramanathapuram; Salem and Tiruchchirappalli (Gould 1972), Tirunelveli (UCT).

Garnotia exaristata Gould in Kew Bull. 27: 558. 1972; Ved Prakash & Jain in Fas. Fl. India 3: 8. 1979. *G. mutica* sensu Bor, Grass. Burma Ceylon India Pakistan 568. 1960 p.p., non Druce 1916. *G. tectorum* Hook. f. Fl. Brit. India 7: 242. 1896 (excl. syn.), nom. illeg.; Fischer in Gamble, Fl. Pres. Madras 3: 1255. 1957 (repr. ed.).

A tall perennial herb; leaves used for thatching.

Distrib.: Tamilnadu (Ved Prakash & Jain 1979).

Garnotia fergusonii Trimen in J. Bot. 27: 170. 1889; Gould in Kew Bull. 27: 537. 1972; Ved Prakash & Jain in Fas. Fl. India 3: 10. 1979.

A perennial with slender, decumbent or trailing culms.

Distrib.: Nilgiri (Gould 1972).

Garnotia schmidii Hook. f. Fl. Brit. India 7: 242. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1254. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 568. 1960; Ved Prakash & Jain in Fas. Fl. India 3: 11. 1979.

A perennial herb, in hilly areas.

Distrib.: Nilgiri (CAL). O. R.

Garnotia tenella (Arn. ex Miq.) Janowski in Repert. Spec. Nov. Regni Veg. 17: 86. 1921. *Berghausia tenella* Arn. ex Miq. in Verh. Kon. Ned. Inst. 3(4): 34. 1851; Ved Prakash & Jain in Fas. Fl. India 3: 13. 1979. *Garnotia stricta* auct. non Brongn. 1832; Hook. f. Fl. Brit. India 7: 243. 1896 p.p.; Fischer in Gamble, Fl. Pres. Madras 3: 1255. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 569. 1960 p.p.

An erect herb, often in crevices of rocks.

Distrib.: Coimbatore, Kanniyakumari, Madurai.

Notes: Santos (in Nat. Appl. Sci. Bull. Univ. Philipp. 10: 3-179. 1950) in his Revision of the genus *Garnotia* recognizes many new species, varieties and forma, based on very minute and often trivial characters. Of these *Garnotia aperiens* Santos, *G. geniculata* Santos, *G. lata* Santos, *G. linguiformis* Santos, *G. longipila* Santos, *G. palniensis* Santos, *G. straminea* Santos, *G. thomsonii* Santos and *G. verticillata* Santos are said to occur in Tamil Nadu (K.K.N. Nair 1986). However, none of the subsequent authors (Bor 1960, Gould 1972, Ved Prakash & Jain 1979) accept Santos' species as separate entities.

Ved Prakash & Jain (1979) give the distribution of *Garnotia puchiparensis* Bor, which is so far known only by its type collection as "INDIA: Endemic to S. India at ca. 1000m, Tamilnadu". Its

type locality Puchipara is in the Silent Valley of Kerala State.

Glyceria spicata Guss. Fl. Sicul. Syn. 2: 784. 1845; Bor, Grass. Burma Ceylon India Pakistan 571. 1960.

An erect herb, in ditches and swampy places.

Distrib.: Nilgiri.

Glyphochloa acuminata (Hack.) Clayton in Kew Bull. 35: 815. 1981, var. **acuminata**. *Rottboellia acuminata* Hack. in A.D.C. Monog. Phan. 6: 291. 1839; Hook. f. Fl. Brit. India 7: 155. 1896. *Manisuris acuminata* (Hack.) Kuntze, Rev. Gen. Pl. 2: 779. 1891; Fischer in Gamble, Fl. Pres. Madras 3: 1220. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 191. t. 10. f. 2. 1960.

A geniculately ascending annual herb.

Distrib.: "Madras" (Bor 1960).

Glyphochloa acuminata (Hack.) Clayton var. **stocksii** (Hook. f.) Clayton in Kew Bull. 35: 815. 1981. *Rottboellia acuminata* Hack. var. *stocksii* Hook. f. Fl. Brit. India 7: 155. 1896. *Manisuris acuminata* (Hack.) Kuntze var. *stocksii* (Hook. f.) Jain in Bull. Bot. Surv. India 12: 9. f. 12. 1970 (1972).

A diffusely branched annual herb.

Distrib.: "Carnatic" (Jain 1972). O. R.

Glyphochloa forficulata (Fischer) Clayton in Kew Bull. 35: 815. 1981. *Manisuris forficulata* Fischer in Kew Bull. 1933: 355. 1933 & in Gamble, Fl. Pres. Madras 3: 1220. 1957 (repr. ed.) p.p.; Bor, Grass. Burma Ceylon India Pakistan 192. 1960. *Rottboellia divergens* auct. non Hack. 1889; Hook. f. Fl. Brit. India 7: 155. 1896.

An erect or ascending annual herb.

Distrib.: "Madras" (Bor 1960). O. R.

Hackelochloa granularis (L.) Kuntze, Rev. Gen. Pl. 2: 776. 1891; Fischer in Gamble, Fl. Pres. Madras 3: 1218. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 159. 1960. *Cenchrus granularis* L. Mant. Pl. 575. 1771. *Manisuris granularis (L.) L. f. Nov. Gram. Gen. 40. 1779; Hook. f. Fl. Brit. India 7: 159. 1896; Rang. & Tad. Handb. South Indian Grass. t. 147. 1921.*

A leafy annual, often found as a weed in cultivated fields.

Distrib.: Almost all districts.

Halopyrum mucronatum (L.) Stapf in Hooker's Icon. Pl. t. 2448. 1896; Hook. f. Fl. Brit. India 7: 328. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1265. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 516. 1960. *Uniola mucronata* L. Sp. Pl. ed. 2. 1: 104 1762.

Tamil: *Uppukarai pullu*.

A tall, stout, tufted perennial herb with woolly roots, in coastal regions.

Distrib.: Kanniyakumari, Ramanathapuram, Tirunelveli.

Helictotrichon polyneuron (Hook. f.) Henrard in Blumea 3: 425. 1940; Bor, Grass. Burma Ceylon India Pakistan 439. 1960. *Avena polyneura* Hook. f. Fl. Brit. India 7: 277. 1896. *Avenastrum asperum* (Munro ex Thw.) Vierh. var. *polyneuron* (Hook. f.) Fischer in Gamble, Fl. Pres. Madras 1802. 1934 & 3: 1248. 1957 (repr. ed.).

A slender herb with reddish brown spikelets, in hilly areas.

Distrib.: Nilgiri (Fischer 1957). O. R.

Helictotrichon schmidii (Hook. f.) Henrard in Blumea 3: 427. 1940; Bor, Grass. Burma Ceylon India Pakistan 439. 1960. *Avena aspera* Munro ex Thw. var. *schmidii* Hook. f. Fl. Brit. India 7: 277. 1896. *Avenastrum asperum* (Munro ex Thw.)

Vierh. var. *schmidii* (Hook. f.) Fischer in Gamble, Fl. Pres. Madras 1802. 1934 & 3: 1248. 1957 (repr. ed.).

A slender herb with green spikelets, in hilly areas.

Distrib.: Madurai (Fischer 1934), Nilgiri (CAL). O. R.

Helictotrichon virescens (Nees ex Steud.) Henrard in Blumea 3: 425. 1940; Bor, Grass. Burma Ceylon India Pakistan 439. 1960. *Trisetum virescens* Nees ex Steud. Syn. Pl. Glumac. 1: 226. 1854.

Helictotrichon asperum (Munro ex Thw.) Bor in Indian Forest Rec. Bot. 2: 68. 1938 & Grass. Burma Ceylon India Pakistan 438. 1960. *Avena aspera* Munro ex Thw. Enum. Pl. Zeyl. 372. 1864; Hook. f. Fl. Brit. India 7: 277. 1896. *Avenastrum asperum* (Munro ex Thw.) Vierh. in Verh. Ges. Deutsch. Naturf. 85(2) Heft 1: 672. 1914 in obs.; Fischer in Gamble, Fl. Pres. Madras 3: 1248. 1957 (repr. ed.).

A tall robust herb with dull green spikelets, in hilly areas.

Distrib.: Madurai, Nilgiri.

Hemarthria altissima (Poir.) Stapf & Hubbard in Kew Bull. 1934: 109. 1934; Bor, Grass. Burma Ceylon India Pakistan 160. 1960. *Rottboellia altissima* Poir. Voy. Barbarie 2: 105. 1789. *R. compressa* L. f. var. *fasciculata* (Lam.) Hack. in A. DC. Monog. Phan. 6: 286. 1889; Hook. f. Fl. Brit. India 7: 153. 1896. *R. fasciculata* Lam. Encycl. 1: 204. 1791.

A tall grass with a creeping base.

Distrib.: "Madras" (Bor 1960).

Hemarthria compressa (L.f.) R. Br. Prodr. 207. 1810; Fischer in Gamble, Fl. Pres. Madras 3: 1221. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 161. 1960. *Rottboellia compressa* L.f. Suppl. Pl. 114. 1781; Hook. f. Fl. Brit. India 7: 153. 1896.

A perennial herb along edges of ditches, cultivated fields, streams and other similar moist places.

Distrib.: Chengalpattu.

Hemisorghum venustum (Thw.) Clayton in Kew Bull. 27: 448. 1972. *Andropogon venustus* Thw. Enum. Pl. Zeyl. 367. 1864; Hook. f. Fl. Brit. India 7: 178. 1896. *Capillipedium venustum* (Thw.) Bor, Grass. Burma Ceylon India Pakistan 113. 1960.

A tall herb.

Distrib.: "Madras" (Bor 1960).

Heteropogon contortus (L.) P. Beauv. ex Roem. & Schultes, Syst. 2: 836. 1817; Fischer in Gamble, Fl. Pres. Madras 3: 1208. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 163. t. 6. 1960. *Andropogon contortus* L. Sp. Pl. 1045. 1753; Hook. f. Fl. Brit. India 7: 199. 1896; Rang. & Tad. Handb. South Indian Grass. tt. 162 & 163. 1921.

A tufted perennial herb.

Distrib.: All districts.

Heteropogon fischerianus Bor in Kew Bull. 1951: 170. 1951 & Grass. Burma Ceylon India Pakistan 165. 1960. *H. contortus* P. Beauv. ex Roem. & Schultes var. *distichus* Fischer in Gamble, Fl. Pres. Madras 1743. 1934 & 3: 1208. 1957 (repr. ed.).

An erect grass with crowded, distichous, falcate leaves.

Distrib.: Coimbatore, Madurai. O. R.

Heteropogon polystachyos (Roxb.) Schultes, Mant. 2: 460. 1824; Fischer in Gamble, Fl. Pres. Madras 3: 1208. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 165. 1960. *Andropogon polystachyos* Roxb. Fl. Ind. 1: 265. 1820; Hook. f. Fl. Brit. India 7: 202. 1896.

A small herb with slender culms.

Distrib.: "Deccan" (Bor 1960). O. R.

Heteropogon triticeus (R.Br.) Stapf ex Craib in Kew Bull. 1934: 109. 1934; Bor, Grass. Burma Ceylon India Pakistan 165. 1960. *Andropogon triticeus* R. Br. Prodr. 201. 1810; Hook. f. Fl. Brit. India 7: 200. 1896.

A stout herb, on rocky hill sides.

Distrib.: "South India" (Bor 1960).

Holcolemma canaliculatum (Nees ex Steud.) Stapf & Hubbard in Kew Bull. 1929: 246. 1929; Fischer in Gamble, Fl. Pres. Madras 3: 1232. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 313. 1960. *Panicum canaliculatum* Nees ex Steud. Syn. Pl. Glumac. 1: 55. 1854; Hook. f. Fl. Brit. India 7: 43. 1896.

A tall herb with weak slender culms.

Distrib.: "South India" (Bor 1960). R.

Hordeum vulgare L. Sp. Pl. 84. 1753; Bor, Grass. Burma Ceylon India Pakistan 677. 1960.

Cultivated in hilly areas. E.

Hygroryza aristata (Retz.) Nees ex Wight & Arn. in Edinburgh New Philos. J. 15: 380. 1833; Hook. f. Fl. Brit. India 7: 95. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1277. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 597. t. 67. 1960. *Pharus aristatus* Retz. Obs. Bot. 5: 23. 1789.

Tamil: *Valli pullu*.

A floating aquatic herb with spongy stem.

Distrib.: Chengalpattu.

Hymenachne acutigluma (Steud.) Gilliland in Gard. Bull. Straits Settlement. 20: 314. 1963. *Panicum acutiglumum* Steud. Syn. Pl. Glumac. 1: 66. 1854 *Hymenachne pseudointerrupta* C. Muell. in Bot. Zeitung (Berlin) 19: 333. 1861; Fischer in Gamble, Fl. Pres. Madras 3: 1236. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan

313. 1960. *Panicum myuros* sensu Hook. f. Fl. Brit. India 7: 39. 1896, non Lam. 1791.

A stout erect herb, usually found in swamps, along margins of streams or other similar moist situations.

Distrib.: Madurai (Fischer 1957).

Hyparrhenia cymbaria (L.) Stapf in Prain, Fl. Trop. Africa 9: 332. 1919; Bor, Grass. Burma Ceylon India Pakistan 167. 1960. *Andropogon cymbarius* L. Mant. Pl. 303. 1771.

Distrib.: "Madras" (Bor 1960). R.

Ichnanthus vicinus (Bailey) Merr. Enum. Philipp. Fl. Pl. 1: 70. 1923; Bor, Grass. Burma Ceylon India Pakistan 314. 1960. *Panicum vicinum* Bailey, Syn. Queensl. Fl. Suppl. 3: 82. 1890. *Ichnanthus pallens* sensu Hook. f. Fl. Brit. India 7: 60. 1896, non Munro 1861.

A decumbent herb, usually along paths and in clearings of forest.

Distrib.: Nilgiri.

Imperata cylindrica (L.) Raeusch. var. **major** (Nees) Hubbard ex Hubbard & Vaughan, Grass. Maur. 96. 1940; Bor, Grass. Burma Ceylon India Pakistan 170. 1960. *I. koenigii* (Retz.) P. Beauv. var. **major** Nees, Fl. Afr. Austral. 90. 1841. *I. cylindrica* (L.) Raeusch. var. **koenigii** (Retz.) T. Durand & Schinz, Consp. Fl. Afric. 5: 694. 1894; Rang. & Tad. Handb. South Indian Grass. t. 128. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1184. 1957 (repr. ed.). *Saccharum koenigii* Retz. Obs. Bot. 5: 16. 1789. *Imperata arundinacea* Cirillo, Pl. Rar. Neapol. 2: 26. 1792 p.p.; Hook. f. Fl. Brit. India 7: 106. 1896.

Tamil: *Dharbai pullu*.

A tall stoloniferous perennial herb, in open situations.

Distrib.: Almost all districts.

Indopoa paupercula (Stapf) Bor in Kew Bull. 13: 226. 1958. *Tripogon pauperculus* Stapf in Hooker's Icon. Pl. t. 2442. 1896, "pauperulus"; Hook. f. Fl. Brit. India 7: 285. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1269. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 523. t. 57. 1960.

Distrib.: "Western Ghats" (Bor 1960).
O. R.

Isachne angladei Fischer in Kew Bull. 1932: 323. 1932 & in Gamble, Fl. Pres. Madras 3: 1244. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 579. 1960.

A straggling herb with bamboo-like culms.

Distrib.: Coimbatore, Madurai. O.

Isachne bourneorum Fischer in Kew Bull. 1932: 323. 1932 & in Gamble, Fl. Pres. Madras 3: 1244. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 579. 1960.

An erect or ascending rhizomatous perennial herb, along water falls and other moist places at high elevations.

Distrib.: Madurai, Nilgiri. O.

Isachne deccanensis Bor in Kew Bull. 1949: 95. 1949 & Grass. Burma Ceylon India Pakistan 579. 1960; Ved Prakash & Jain in Fas. Fl. India 14: 18. 1984.

An erect tufted perennial herb, in hilly areas.

Distrib.: Nilgiri (Ved Prakash & Jain 1984). O

Isachne elegans Dalz. ex Hook. f. Fl. Brit. India 7: 23. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1244. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 580. 1960.

A herb, common at high elevations

Distrib.: Madurai, Nilgiri. O.

Isachne globosa (Thunb.) Kuntze, Rev. Gen. Pl. 2: 778. 1891; Bor, Grass. Burma Ceylon India Pakistan 580. 1960. *Milium globosum* Thunb. Fl. Jap. 49. 1784. *Isachne australis* R. Br. Prodr. 196. 1810; Hook. f. Fl. Brit. India 7: 24. 1896. *I. dispar* auct. non Trin. 1828; Hook. f. Fl. Brit. India 7: 26. 1896 p.p.; Fischer in Gamble, Fl. Pres. Madras 3: 1244. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 580. 1960 p.p.

A prostrate to erect herb, usually in very moist places.

Distrib.: Almost all districts.

Isachne kunthiana (Wight & Arn. ex Steud.) Miq. Fl. Ind. Bat. 3: 460. 1856; Hook. f. Fl. Brit. India 7: 21. 1896; Fyson, Fl. South Indian Hill St. 2: t. 583. 1932; Fischer in Gamble, Fl. Pres. Madras 3: 1244. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 581. 1960. *Panicum kunthianum* Wight & Arn. ex Steud. Syn. Pl. Glumac. 1: 96. 1854. *Isachne kunthiana* (Wight & Arn. ex Steud.) Miq. var. *latifolia* Hook. f. Fl. Brit. India 7: 22. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1244. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 581. 1960.

A herb, common in swampy places at high elevations.

Distrib.: Coimbatore (Fischer 1957), Madurai, Nilgiri, Salem (Matthew 1983), Tirunelveli.

Isachne miliacea Roth, Nov. Pl. Sp. 58. 1821; Hook. f. Fl. Brit. India 7: 25. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1244. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 582. 1960.

An erect or ascending annual or perennial herb.

Distrib.: Tamilnadu Carnatic (Matthew 1983).

Isachne oreades (Domin) Bor, Grass. Burma Ceylon India Pakistan 582. 1960. *Panicum oreades* Domin in Biblioth. Bot. 20(85): 297. 1915; Fischer in Gamble, Fl. Pres. Madras 3: 1234. 1957 (repr. ed.). *P. aequiglume* sensu Hook. f. Fl. Brit. India 7: 44. 1896, non Hack. & Arechav. 1894.

A herb, in swampy areas.

Distrib.: Nilgiri. O. R. +.

Isachne pulchella Roth ex Roem. & Schultes, Syst. 2: 476. 1817; Bor, Grass. Burma Ceylon India Pakistan 582. 1960; Matthew, Fl. Tamilnadu Carnatic 3: 1867. 1983.

An annual herb, in marshy places.

Distrib.: "Madras" (Bor 1960), Tamilnadu Carnatic (Matthew 1983).

Isachne walkeri (Arn. ex Steud.) Wight & Arn. ex Thw. Enum. Pl. Zeyl. 361. 1864; Hook. f. Fl. Brit. India 7: 26. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1244. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 582. 1960. *Panicum walkeri* Arn. ex Steud. Syn. Pl. Glumac. 1: 97. 1854.

A tall perennial herb, common in mountainous regions.

Distrib.: Nilgiri, Tirunelveli.

Ischaemum commutatum Hack. in A.D.C. Monog. Phan. 6: 209. 1889; Hook. f. Fl. Brit. India 7: 131. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1194. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 178. 1960.

A leafy perennial herb, erect from a creeping base.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem, Tirunelveli.

Ischaemum flumineum Bor in Kew Bull. 1949: 572. 1950; Sebastine in Bull. Bot.

Surv. India 4: 223. 1962; Karthik. in Jain & Rao, Assess. Threat. Pl. India 248. 1983.

A perennial herb, on river beds.

Distrib.: Coimbatore (Sebastine 1962). O. R. +.

Ischaemum indicum (Houtt.) Merr. in J. Arnold Arbor. 19: 320. 1938; Bor, Grass. Burma Ceylon India Pakistan 180. 1960. *Phleum indicum* Houtt. Nat. Hist. 13: 198. t. 90. f. 2. 1782. *Ischaemum ciliare* Retz. Obs. Bot. 6: 36. 1791; Hook. f. Fl. Brit. India 7: 133. 1896; Rang. & Tad. Handb. South Indian Grass. tt. 135 & 136. 1921. *I. aristatum* sensu Fischer in Gamble, Fl. Pres. Madras 3: 119. 1957 (repr. ed.), non L. 1753.

A tufted perennial herb, usually in wet situations.

Distrib.: Chengalpattu, Coimbatore, Madurai, Nilgiri, Salem, Thanjavur, Tirunelveli.

Ischaemum koenigii (Hook. f.) Stapf ex Fischer in Gamble, Fl. Pres. Madras 1722. 1934 & 3: 1194. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 182. 1960. *I. aristatum* subsp. *koenigii* Hook. f. Fl. Brit. India 7: 127. 1896.

A tall robust grass.

Distrib.: "Madras State" (Bor 1960). O. R.

Ischaemum mangaluricum (Hack.) Stapf ex Fischer in Gamble, Fl. Pres. Madras 1723. 1934 & 3: 1194. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 182. 1960. *I. aristatum* var. *mangaluricum* Hack. in A.D.C. Monog. Phan. 6: 204. 1889; Hook. f. Fl. Brit. India 7: 127. 1896.

A perennial herb.

Distrib.: "Madras State" (Bor 1960). R.

Ischaemum molle Hook. f. Fl. Brit. India 7: 128. 1896; Fischer in Gamble,

Fl. Pres. Madras 3: 1194. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 183. 1960.

A tall stout perennial herb.

Distrib.: "Madras State" (Bor 1960).

O. R.

Ischaemum nilagiricum Hack. in Oesterr. Bot. Z. 51: 150. 1901; Fischer in Gamble, Fl. Pres. Madras 3: 1194. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 183. 1960. *I. hirtum* sensu Hook. f. Fl. Brit. India 7: 135. 1896, non Hack. 1889.

An erect herb, usually in marshy places.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem. **O.**

Ischaemum pilosum (Klein ex Willd.) Wight in Madras J. Lit. Sci. 138. 1835; Hook. f. Fl. Brit. India 7: 130. 1896; Rang. & Tad. Handb. South Indian Grass. tt. 133 & 134. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1194. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 183. 1960. *Andropogon pilosus* Klein ex Willd. Sp. Pl. 4: 920. 1806.

A tall rhizomatous perennial herb.

Distrib.: Tirunelveli.

Ischaemum rangacharianum Fischer in Kew Bull. 1933: 352. 1933 & in Gamble, Fl. Pres. Madras 3: 1194. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 184. 1960. *I. aristatum* sensu Rang. & Tad. Handb. South Indian Grass. 151. t. 130. 1921, non L. 1753.

A perennial herb.

Distrib.: Thanjavur, Tirunelveli. **O.**

Ischaemum rugosum Salisb. Icon. Stirp. Rar. 1. t. 1. 1791; Hook. f. Fl. Brit. India 7: 127. 1896; Rang. & Tad. Handb. South Indian Grass. t. 132. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1194. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 184. 1960.

Tamil: *Kadukkan pullu*.

An erect tufted herb, along edges of cultivated fields and other moist places.

Distrib.: Chengalpattu, Coimbatore, South Arcot.

Ischaemum thomsonianum Stapf ex Fischer in Gamble, Fl. Pres. Madras 1722. 1934 & 3: 1193. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 185. 1960. *I. murinum* sensu Hook. f. Fl. Brit. India 7: 135. 1896, non Forst. 1786.

A slender erect or ascending herb.

Distrib.: "Madras State" (Bor 1960).

O. R.

Ischaemum timorense Kunth, Revis. Gramin. 1: 369. t. 98. 1830; Hook. f. Fl. Brit. India 7: 136. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1193. 1957 (repr. ed.) incl. var. *villosa*; Bor, Grass. Burma Ceylon India Pakistan 185. 1960.

An erect grass with slender culms, in moist places.

Distrib.: Coimbatore, Nilgiri, Tirunelveli.

Ischaemum tumidum Stapf ex Bor in Kew Bull. 1951: 450. 1952 & Grass. Burma Ceylon India Pakistan 186. 1960.

A perennial herb.

Distrib.: "Madras State" (Bor 1960).

O. R.

Iseilema antheboroides Hack. in A. DC. Monog. Phan. 6: 683. 1889; Hook. f. Fl. Brit. India 7: 218. 1896; Rang. & Tad. Handb. South Indian Grass. tt. 169 & 170. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1211. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 187. 1960.

Tamil: *Thengainari pullu*.

A tufted perennial herb, usually in moist places.

Distrib.: Chengalpattu, Ramanathapuram. O.

Iseilema laxum Hack. in A.D.C. Monog. Phan. 6: 682. 1889; Hook. f. Fl. Brit. India 7: 218. 1896; Rang. & Tad. Handb. South Indian Grass. tt. 166, 167 & 168. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1211. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 188. 1960.

Tamil: *Tenganari pullu*.

A perennial herb with prostrate to erect culms.

Distrib.: Chengalpattu, Coimbatore, Salem, South Arcot, Tiruchchirappalli.

Iseilema prostratum (L.) Andersson in Nova Acta Regiae Soc. Sci. Upsal. ser. 3. 2: 251. 1856; Fischer in Gamble, Fl. Pres. Madras 3: 1211. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 188. 1960. *Andropogon prostratus* L. Mant. Pl. 304. 1771. *Iseilema wightii* Andersson in Nova Acta Regiae Soc. Sci. Upsal. ser. 3. 2: 251. 1856; Hook. f. Fl. Brit. India 7: 218. 1896.

A perennial herb, in moist places.

Distrib.: Almost all districts.

Jansenella griffithiana (C. Muell.) Bor in Kew Bull. 1955: 98. 1955 & Grass. Burma Ceylon India Pakistan 426. t. 45. 1960. *Danthonia griffithiana* C. Muell. in Bot. Zeitung (Berlin) 14: 347. 1856. *Arundinella avenacea* Munro ex Thw. Enum. Pl. Zeyl. 362. 1864; Hook. f. Fl. Brit. India 7: 69. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1246. 1957 (repr. ed.).

A weak annual herb, usually in moist places.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri.

Leersia hexandra Sw. Prodr. 21. 1788; Hook. f. Fl. Brit. India 7: 94. 1896; Fischer in Gamble, Fl. Pres. Madras 3:

1277. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 599. t. 68. 1960.

A slender perennial herb, in marshy and aquatic situations.

Distrib.: Chengalpattu, Coimbatore, Madurai, Nilgiri, Salem, Thanjavur, Tirunelveli.

Leptochloa chinensis (L.) Nees in Syll. Pl. Nov. 1: 4. 1824; Hook. f. Fl. Brit. India 7: 299. 1896; Rang. & Tad. Handb. South Indian Grass. t. 212. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1260. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 516. 1960. *Poa chinensis* L. Sp. Pl. 69. 1753.

A tall tufted annual herb, in moist places.

Distrib.: Chengalpattu, Coimbatore, North Arcot, South Arcot, Tiruchchirappalli (RHT).

Leptochloa neesii (Thw.) Benth. in J. Linn. Soc., Bot. 19: 108. 1881; Bor, Grass. Burma Ceylon India Pakistan 517. 1960. *Cynodon neesii* Thw. Enum. Pl. Zeyl. 371. 1864. *Leptochloa polystachya* Benth. Fl. Austral. 7: 617. 1878, non Kunth 1829; Hook. f. Fl. Brit. India 7: 298. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1260. 1957 (repr. ed.).

A fairly robust annual herb, usually in marshy places.

Distrib.: Chengalpattu, Madurai, Ramanathapuram, South Arcot, Tiruchchirappalli (RHT), Tirunelveli (Fischer 1957).

Leptochloa obtusiflora Hochst. in Flora 38: 203. 1855; Hook. f. Fl. Brit. India 7: 299. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1260. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 517. 1960.

An erect annual leafy herb.

Distrib.: Coimbatore, Nilgiri.

Leptochloa panicea (Retz.) Ohwi in Bot. Mag. (Tokyo) 55: 311. 1941; Bor, Grass. Burma Ceylon India Pakistan 517. 1960. *Poa panicea* Retz. Obs. Bot. 3: 11. 1783. *Leptochloa filiformis* auct. non P. Beauv. 1812; Hook. f. Fl. Brit. India 7: 298. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1260. 1957 (repr. ed.).

An annual herb, in moist grassy places.

Distrib.: Chengalpattu, Madurai, Thanjavur.

Leptochloa uniflora Hochst. ex A. Rich. Tent. Fl. Abyss. 2: 409. 1851; Hook. f. Fl. Brit. India 7: 297. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1260. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 517. 1960.

An erect or geniculately ascending leafy annual herb.

Distrib.: Almost all districts.

Lolium perenne L. Sp. Pl. 83. 1753; Hook. f. Fl. Brit. India 7: 365. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1284. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 545. 1960.

An introduced erect perennial herb, cultivated for fodder in hills; also runs wild.

Lolium temulentum L. Sp. Pl. 83. 1753; Hook. f. Fl. Brit. India 7: 364. 1896; Bor, Grass. Burma Ceylon India Pakistan 546. 1960.

An erect annual herb.

Distrib.: Nilgiri.

Lophatherum gracile Brongn. in Duperr. Voy. Bot. 50. t. 8. 1831; Hook. f. Fl. Brit. India 7: 331. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1278. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 460. 1960.

A tall leafy perennial herb, usually in moist shaded places of forests.

Distrib.: Coimbatore. R.

Lopholepis ornithocephala (Hook.) Steud. Syn. Pl. Glumac. 1: 112. 1854; Hook. f. Fl. Brit. India 7: 98. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1256. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 682. t. 80. 1960. *Holboellia ornithocephala* Hook. Bot. Misc. 2: 144. t. 76. 1831.

An erect herb with tufted culms; spikelet with some resemblance to a bird's head.

Distrib.: Kanniyakumari (UCT), Madurai and Nilgiri (Fischer 1957), Tiruchchirappalli (RHT), Tirunelveli (Fischer 1957).

Lophopogon tridentatus (Roxb.) Hack. in Engler & Prantl, Pflanzenf. 2(2) : 26. 1887; Hook. f. Fl. Brit. India 7: 149. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1195. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 190. 1960. *Andropogon tridentatus* Roxb. Fl. Ind. 1: 261. 1820.

A slender tufted annual herb, in open waste places.

Distrib.: Chengalpattu, Coimbatore, Nilgiri.

Manisuris myuros L. Mant. Pl. 300. 1771; Fischer in Gamble, Fl. Pres. Madras 3: 1220. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 192. t. 10. f. 5. 1960. *Rottboellia myurus* (L.) Benth. in J. Linn. Soc., Bot. 9: 68. 1881; Hook. f. Fl. Brit. India 7: 154. 1896; Rang. & Tad. Handb. South Indian Grass. t. 144. 1921.

Tamil: *Waritsira pullu*.

A tufted perennial herb, in dry sandy places.

Distrib.: Chengalpattu, Coimbatore, Madurai, North Arcot (Fischer 1957), Pudukkottai, Ramanathapuram, South Arcot, Tirunelveli.

Melanocenchris jacquemontii Jaub. & Spach, Ill. Pl. Or. 4: 36. 1851; Bor, Grass. Burma Ceylon India Pakistan 473. 1960. *M. royleana* Nees ex Steud. Syn. Pl. Glumac. 1: 218. 1854; Fischer in Gamble, Fl. Pres. Madras 3: 1268. 1957 (repr. ed.). *Gracilea royleana* (Nees ex Steud.) Hook. f. Fl. Brit. India 7: 284. 1896.

A slender tufted annual herb, in open situations, usually in crevices of rocks.

Distrib.: Chengalpattu. R.

Melanocenchris monoica (Rottl.) Fischer in Gamble, Fl. Pres. Madras 1831. 1934 & 3: 1268. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 473. 1960. *Pomereulla monoica* Rottl. in Ges. Naturf. Freunde Berlin Neue Schriften 4: 218. 1803. *Gracilea nutans* Koen. ex Rottl. in Ges. Naturf. Freunde Berlin Neue Schriften 4: 218. 1803; Hook. f. Fl. Brit. India 7: 283. 1896; Rang. & Tad. Handb. South Indian Grass. t. 187. 1921.

A perennial herb, in open situations.

Distrib.: Chengalpattu, Nilgiri (Fischer 1934), North Arcot, Pudukkottai (RHT), South Arcot, Tiruchchirappalli (RHT).

Melica scaberrima (Nees ex Steud.) Hook. f. Fl. Brit. India 7: 330. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1279. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 592. 1960. *Glyceria scaberrima* Nees ex Steud. Syn. Pl. Glumac. 1: 287. 1854.

A tall very slender perennial herb; introduced, at times found as an escape in hills.

Microchloa indica (L. f.) P. Beauv. Ess. Agrost. 20. 1812; Fischer in Gamble, Fl. Pres. Madras 3: 1267. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 473. 1960. *Nardus indica* L. f. Suppl. Pl. 105. 1781. *Microchloa setacea* R. Br. Prodr. 208. 1810; Hook. f. Fl. Brit. India 7: 283. 1896.

An annual herb.

Distrib.: Chengalpattu, Dharmapuri (CAL), Madurai (PCM), Nilgiri (Fischer 1957).

Microchloa kunthii Desv. Opusc. Sci. Phys. Nat. 75. 1831; Bor, Grass. Burma Ceylon India Pakistan 474. 1960.

A perennial herb.

Distrib.: Madurai.

Microstegium ciliatum (Trin.) A. Camus in Ann. Soc. Linn. Lyon 68: 201. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1190. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 193. 1960. *Pollinia ciliata* Trin. in Mem. Acad. Imp. Sci. St.-Petersbourg, Ser. 6, Sci. Math. 2: 306. 1832; Hook. f. Fl. Brit. India 7: 116. 1896.

A tall herb, in hilly areas.

Distrib.: Madurai.

Microstegium nudum (Trin.) A. Camus in Ann. Soc. Linn. Lyon 68: 201. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1190. 1957 (repr. ed.). *Pollinia nuda* Trin. in Mem. Acad. Imp. Sci. St.-Petersbourg, Ser. 6, Sci. Math. 2: 307. 1832; Hook. f. Fl. Brit. India 7: 117. 1896.

A tall herb, in shaded places in hills.

Distrib.: Madurai (Fischer 1957).

Miscanthus nepalensis (Trin.) Hack. in A. DC. Monog. Phan. 6: 104. 1889; Hook. f. Fl. Brit. India 7: 107. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1184. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 196. 1960. *Eulalia nepalensis* Trin. in Mem. Acad. Imp. Sci. St.-Petersbourg, Ser. 6, Sci. Math. 2: 333. 1832.

A tall perennial herb, at times cultivated as a hedge plant in hills.

Mnesithea laevis (Retz.) Kunth, Revis. Gramin. 1: 154. 1829; Rang. & Tad.

Handb. South Indian Grass. t. 146. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1220. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 197. 1960. *Rottboellia laevis* Retz. Obs. Bot. 3: 11. 1783. *R. perforata* Roxb. Pl. Cor. t. 182. 1805; Hook. f. Fl. Brit. India 7: 158. 1896.

A slender perennial herb.

Distrib.: Chengalpattu; Nilgiri and Salem (Fischer 1957).

Myriostachya wightiana (Nees ex Steud.) Hook. f. Fl. Brit. India 7: 327. 1896; Bor, Grass. Burma Ceylon India Pakistan 518. 1960. *Leptochloa wightiana* Nees ex Steud. Syn. Pl. Glumac. 1: 209. 1854.

A tall stout perennial herb, in marshy places.

Distrib.: Thanjavur. R.

Ochlandra beddomei Gamble, Bamb. Brit. India 124. t. 110. 1896 & in Hook. f. Fl. Brit. India 7: 419. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1289. 1957 (repr. ed.); Karthik. in Jain & Rao, Assess. Threat. Pl. India 248. 1983.

An erect shrubby reed-like bamboo.

Distrib.: Tamilnadu (Karthik. 1983). O. R. +.

Ochlandra scriptoria (Dennst.) Fischer var. *sivagiriana* (Gamble) Fischer in Gamble, Fl. Pres. Madras 1863. 1934 & 3: 1289. 1957 (repr. ed.). *O. rheedii* Gamble var. *sivagiriana* Gamble, Bamb. Brit. India 122. t. 108. 1896 & in Hook. f. Fl. Brit. India 7: 419. 1896.

An erect shrubby reed-like bamboo.

Distrib.: Madurai and Ramanathapuram (Fischer 1934), Tiruchchirappalli (RHT). O. R. +.

Ochlandra setigera Gamble in Ann. Roy. Bot. Gard. (Calcutta) 7: 128. t. 115. 1896 & in Hook. f. Fl. Brit. India 7: 420.

1896; Fischer in Gamble, Fl. Pres. Madras 3: 1289. 1957 (repr. ed.).

An erect shrubby reed-like bamboo.

Distrib.: Nilgiri. E.

Ochlandra travancorica Benth. ex Gamble in Ann. Roy. Bot. Gard. (Calcutta) 7: 125. t. 111. 1896 & in Hook. f. Fl. Brit. India 7: 419. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1289. 1957 (repr. ed.).

An erect shrubby reed-like bamboo.

Tamil: *Eral, Era-katti, Odai*.

Distrib.: Coimbatore, Tirunelveli. O.

Ophiuros bombaiensis Bor in Kew Bull. 1951: 167. 1951; Nayar & Ramam. in Bull. Bot. Surv. India 15: 223. 1973 (1976).

An annual herb.

Distrib.: Tamilnadu (Nayar & Ramam. 1976).

Ophiuros exaltatus (L.) Kuntze, Rev. Gen. Pl. 2: 780. 1891; Fischer in Gamble, Fl. Pres. Madras 3: 1218. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 199. 1960. *Aegilops exaltata* L. Mant. Pl. 575. 1771. *Ophiuros corymbosus* Gaertn. f. Fruct. 3: 4. t. 181. 1805; Hook. f. Fl. Brit. India 7: 160. 1896.

Tamil: *Kinangu pullu, Sothu alagu pullu*.

A leafy perennial herb.

Distrib.: South Arcot, Thanjavur, Tirunelveli.

Oplismenus burmannii (Retz.) P. Beauv. Ess. Agrost. 54. 168 & 169. 1812; Hook. f. Fl. Brit. India 7: 68. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1232. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 317. 1960. *Panicum burmannii* Retz. Obs. Bot. 3: 10. 1783.

Tamil: *Mungil pullu*.

A slender diffusely branched annual herb, common in moist shaded places.

Distrib.: Nilgiri, Thanjavur.

Oplismenus compositus (L.) P. Beauv. Ess Agrost. 54, 168 & 169. 1812; Hook. f. Fl. Brit. India 7: 66. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1231. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 317. 1960. *Panicum compositum* L. Sp. Pl. 57. 1753.

Tamil: *Kozhi pul*, *Kozhi arugampul*.

A procumbent or suberect perennial herb, common in moist shaded places.

Distrib.: Almost all districts.

Oplismenus undulatifolius (Ard.) P. Beauv. ex Roem. & Schultes, Syst. 2: 482. 1817; Hook. f. Fl. Brit. India 7: 66. 1896; Bor, Grass. Burma Ceylon India Pakistan 318. 1960. *Panicum undulatifolius* Ard. Animadv. Bot. Spec. Alt. 14. t. 4. 1764; Fyson, Fl. South Indian Hill St. 2: t. 587. 1932.

A perennial herb.

Distrib.: Madurai (Fyson 1932), Nilgiri.

Oropetium roxburghianum (Steud.) S. Phillips in Kew Bull. 30: 469. 1975. *Lepturus roxburghianus* Steud. Syn. Pl. Glumac. 1: 357. 1854; Hook. f. Fl. Brit. India 7: 365. 1896. *Tripogon roxburghianus* (Steud.) Bhide in J. & Proc. Asiat. Soc. Bengal 7: 515. 1912; Fischer in Gamble, Fl. Pres. Madras 3: 1269. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 524. 1960.

A small erect tufted slender annual.

Distrib.: "Madras" (Bor 1960). **O. R.**

Oropetium thomaeum (L.f.) Trin. Fund. Agrost. 98. t. 3. 1820; Hook. f. Fl. Brit. India 7: 366. 1896; Rang. & Tad. Handb. South Indian Grass. t. 228. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1267. 1957 (repr. ed.); Bor, Grass. Burma

Ceylon India Pakistan 474. 1960. *Nardus thomaea* L. f. Suppl. Pl. 105. 1781.

Tamil: *Kuravan thodu pul*.

A small densely tufted annual herb, in open dry situations.

Distrib.: Almost all districts.

Oryza barthii A. Cheval. in Bull. Mus. Hist. Nat. (Paris) 16: 405. 1910.

Cultivated in Tamil Nadu Agricultural University Campus, Coimbatore; at times running wild.

Oryza meyeriana (Zoll. & Mor.) Baill. var. **granulata** (Nees & Arn. ex Watt) Duist. in Blumea 32: 185. 1987. *O. granulata* Nees & Arn. ex Watt, Dict. Econ. Prod. India 5: 500. 1891; Hook. f. Fl. Brit. India 7: 93. 1896. *O. meyeriana* (Zoll. & Mor.) Baill. subsp. **granulata** (Nees & Arn. ex Watt) Tateoka in Bot. Mag. (Tokyo) 75: 460. 1962. *O. meyeriana* sensu Fischer in Gamble, Fl. Pres. Madras 3: 1276. 1957 (repr. ed.).

A tufted herb with slender culms.

Distrib.: Coimbatore, Madurai, Nilgiri, Ramanathapuram, Tirunelveli.

Oryza minuta J.S. Presl in Presl, Reliq. Haenk. 1: 208. 1830; Bor, Grass. Burma Ceylon India Pakistan 605. 1960; Duist. in Blumea 32: 179. 1987 p.p. *O. latifolia* sensu Hook. f. Fl. Brit. India 7: 92. 1896, non Desv. 1820.

A tufted herb, spikelets becoming brown or blackish at maturity.

Distrib.: Tirunelveli (Karthik. 1971).

Oryza officinalis Wall. ex Watt subsp. **malampuzhaensis** (Krishnaswami & Chandrasekaran) Tateoka in Bot. Mag. (Tokyo) 75: 422. 1962. *O. malampuzhaensis* Krishnaswami & Chandrasekaran in Madras Agric. J. 45: 471. 1958; Bor, Grass. Burma Ceylon India Pakistan 606. 1960.

A rhizomatous perennial herb, usually along margins of forest streams.

Distrib.: Coimbatore. **O. R.**

Oryza rufipogon Griff. Not. Pl. Asiat. 3: 5. 1851; Bor, Grass. Burma Ceylon India Pakistan 605. 1960. *O. sativa* sensu Hook. f. Fl. Brit. India 7: 92. 1896 p.p., non L. 1753.

A perennial aquatic herb with deciduous spikelets; a weed in rice fields.

Distrib.: "Madras" (Bor 1960).

Oryza sativa L. Sp. Pl. 333. 1753; Hook. f. Fl. Brit. India 7: 92. 1896 p.p.; Fischer in Gamble, Fl. Pres. Madras 3: 1276. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 605. 1960.

Tamil: *Nell*.

Cultivated annual herb. **E.**

Ottochloa nodosa (Kunth) Dandy in J. Bot. 69: 55. 1931; Fischer in Gamble, Fl. Pres. Madras 3: 1232. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 318. 1960. *Panicum nodosum* Kunth, Enum. Pl. 1: 97. 1833; Hook. f. Fl. Brit. India 7: 43. 1896.

A tall perennial herb.

Distrib.: Nilgiri, Tirunelveli.

Oxytenanthera monadelpha (Thw.) Alston in Trimen, Handb. Fl. Ceylon 6 (Suppl.): 342. 1931; Fischer in Gamble, Fl. Pres. Madras 3: 1288. 1957 (repr. ed.). *Dendrocalamus monadelphus* Thw. Enum. Pl. Zeyl. 376. 1864. *Oxytenanthera thwaitesii* Munro in Trans. Linn. Soc. London 26: 129. 1868; Gamble in Hook. f. Fl. Brit. India 7: 402. 1896.

A reed-like subscandent shrub.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli. **O.**

Oxytenanthera ritcheyi (Munro) Blatter & McCann in J. Bombay Nat. Hist. Soc.

33: 773. 1929; Karthik. in Jain & Rao, Assess. Threat. Pl. India 246. 1983. *Bambusa ritcheyi* Munro in Trans. Linn. Soc. London 26: 113. 1868. *Oxytenanthera monostigma* Bedd. For. Man. Bot. 233. 1873 & Ic. 56. t. 234. 1868-1874; Fischer in Gamble, Fl. Pres. Madras 3: 1288. 1957 (repr. ed.).

A medium-sized bamboo, culms single or few together.

Distrib.: Coimbatore (Fischer 1921), Tamilnadu (Karthik. 1983). **O. R.**

Panicum antidotale Retz. Obs. Bot. 4: 17. 1786; Hook. f. Fl. Brit. India 7: 52. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1235. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 322. 1960.

Tamil: *Nassiam pullu*, *Pinisu pullu*.

A perennial herb, usually in sandy areas.

Distrib.: Coimbatore, Nilgiri and Salem (CAL), Tirunelveli.

Panicum brevifolium L. Sp. Pl. 59. 1753; Fischer in Gamble, Fl. Pres. Madras 3: 1235. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 324. 1960. *P. ovalifolium* Poir. in Lam. Encycl. Suppl. 4: 279. 1816; Hook. f. Fl. Brit. India 7: 44. 1896.

A weak perennial herb, in moist shaded places.

Distrib.: Chengalpattu.

Panicum fischeri Bor in Kew Bull. 1956: 257. 1956 & Grass. Burma Ceylon India Pakistan 325. 1960.

A perennial herb.

Distrib.: Nilgiri (Bor 1960), Tirunelveli. **O. R.**

Panicum gardneri Thw. Enum. Pl. Zeyl. 359. 1864; Fischer in Gamble, Fl. Pres. Madras 3: 1235. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan

326. 1960. *Isachne gardneri* (Thw.) Benth. in Benth. & Hook. f. Gen. Pl. 3: 1100. 1883; Hook. f. Fl. Brit. India 7: 26. 1896; Fyson, Fl. South Indian Hill St. 2: t. 585. 1932.

A tall herb.

Distrib.: Coimbatore, Madurai, Nilgiri.

Panicum maximum Jacq. Coll. Bot. 1: 76. 1786; Hook. f. Fl. Brit. India 7: 49. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1235. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 327. t. 37. 1960.

Tamil: *Ginio pullu*.

A tall densely tufted rhizomatous fodder grass, often cultivated, also naturalized.

Distrib.: Chengalpattu, Madurai (Matthew 1969), Nilgiri, Ramanathapuram, Salem, Tirunelveli.

Panicum miliaceum L. Sp. Pl. 58. 1753; Hook. f. Fl. Brit. India 7: 45. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1234. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 327. 1960.

Tamil: *Samai, Kadaikanni*.

An annual herb; at times cultivated for its edible grains. E.

Panicum notatum Retz. Obs. Bot. 4: 18. 1786; Bor, Grass. Burma Ceylon India Pakistan 701. 1960. *P. montanum* Roxb. Fl. Ind. 1: 315. 1820; Hook. f. Fl. Brit. India 7: 53. 1896; Bor, Grass. Burma Ceylon India Pakistan 329. 1960.

Distrib.: Coimbatore, Madurai, Nilgiri, North Arcot, Salem, South Arcot.

Panicum paludosum Roxb. Fl. Ind. 1: 310. 1820; Fischer in Gamble, Fl. Pres. Madras 3: 1235. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 329. 1960. *P. proliferum* sensu Hook. f. Fl. Brit. India 7: 50. 1896, non Lam. 1797.

An aquatic perennial herb with spongy culms, floating along margins of ponds, ditches and marshes.

Distrib.: Coimbatore, Madurai, Nilgiri, Tiruchchirappalli (RHT), Tirunelveli (Karthik. 1971).

Panicum psilopodium Trin. Gram. Panic. 217. 1826; Hook. f. Fl. Brit. India 7: 46. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1234. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 329. 1960.

Tamil: *Kodaikanai, Piva pullu, Pattu pullu*.

An annual herb, in open grassy places.

Distrib.: Chengalpattu, Coimbatore, Dharmapuri, North Arcot, Salem, South Arcot, Tiruchchirappalli, Tirunelveli.

Panicum repens L. Sp. Pl. ed. 2: 2: 87. 1763; Hook. f. Fl. Brit. India 7: 49. 1896; Rang. & Tad. Handb. South Indian Grass. tt. 102 & 103. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1235. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 330. 1960.

A perennial rhizomatous weed in cultivated fields.

Distrib.: Almost all districts.

Panicum sparsicomum Nees ex Steud. Syn. Pl. Glumac. 1: 83. 1854; Hook. f. Fl. Brit. India 7: 58. 1896; Bor, Grass. Burma Ceylon India Pakistan 330. 1960. *Cyrtococcum sparsicomum* (Nees ex Steud.) A. Camus in Bull. Mus. Hist. Nat. (Paris) 27: 118. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1237. 1957 (repr. ed.).

A slender perennial herb.

Distrib.: Madurai (Fischer 1957). R.

Panicum sumatrense Roth ex Roem. & Schultes, Syst. 2: 424. 1817; Bor, Grass. Burma Ceylon India Pakistan 701. 1960. *P. miliare* auct. non Lam. 1791; Hook. f.

Fl. Brit. India 7: 46. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1234. 1957 (repr. ed.).

Tamil: *Samai, Peru Samai*.

An erect tufted annual, cultivated for its grains, often runs wild.

Distrib.: Chengalpattu, Nilgiri, North Arcot, Tiruchchirappalli (RHT).

Panicum trypheron Schultes, Mant. 2: 244. 1824; Hook. f. Fl. Brit. India 7: 47. 1896; Rang. & Tad. Handb. South Indian Grass. t. 101. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1235. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 1235. 1960.

Tamil: *Samai-karunai*.

A tufted leafy annual, in waste places and as a weed in cultivated fields.

Distrib.: Almost all districts.

Paspalidium flavidum (Retz.) A. Camus in Lecomte, Fl. Indo-Chine 7: 419. 1922; Fischer in Gamble, Fl. Pres. Madras 3: 1229. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 333. 1960. *Panicum flavidum* Retz. Obs. Bot. 4: 15. 1786; Hook. f. Fl. Brit. India 7: 28. 1896; Rang. & Tad. Handb. South Indian Grass. tt. 82 & 83. 1921.

Tamil: *Arisi pullu*.

An annual or perennial herb.

Distrib.: Almost all districts.

Paspalidium geminatum (Forssk.) Stapf in Prain, Fl. Trop. Africa 9: 583. 1920; Fischer in Gamble, Fl. Pres. Madras 3: 1229. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 333. 1960. *Panicum geminatum* Forssk. Fl. Aeg.-Arab. 18. 1775. *P. paspaloides* Pers. Syn. 1: 81. 1805; Hook. f. Fl. Brit. India 7: 30. 1896. *P. fluitans* Retz. Obs. Bot. 3: 8. 1783; Rang. & Tad. Handb. South Indian Grass. tt. 84 & 85. 1921.

A perennial herb with prostrate or ascending culms, along margins of tanks and other similar moist places.

Distrib.: Chengalpattu, Coimbatore, North Arcot, South Arcot, Thanjavur, Tiruchchirappalli (RHT).

Paspalidium punctatum (Burm. f.) A. Camus in Lecomte, Fl. Indo-Chine 7: 419. 1922; Fischer in Gamble, Fl. Pres. Madras 3: 1229. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 333. 1960. *Panicum punctatum* Burm. f. Fl. Ind. 26. 1768; Hook. f. Fl. Brit. India 7: 29. 1896.

A tall aquatic or semi-aquatic perennial; a weed in paddy fields.

Distrib.: Chengalpattu, Madurai, South Arcot, Tirunelveli (UCT).

Paspalum canarae (Steud.) Veldk. in Blumea 21: 72. 1973. *Panicum canarae* Steud. Syn. Pl. Glumac. 1: 58. 1853. *Paspalum compactum* auct. non Roth 1821; Hook. f. Fl. Brit. India 7: 12. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1228. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 336. 1960.

Tamil: *Arisi pullu*.

An annual herb, in hilly areas.

Distrib.: Nilgiri. O. R.

Paspalum conjugatum Berg. in Acta Helv. Phys.-Math. 7: 129. t. 8. 1772; Hook. f. Fl. Brit. India 7: 11. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1228. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 336. 1960.

A perennial herb with long stolons, usually in moist shaded places.

Distrib.: Coimbatore, Madurai, Nilgiri; Pudukkottai and Tiruchchirappalli (RHT), Tirunelveli.

Paspalum dilatatum Poir. in Lam. Encycl. 5: 35. 1804; Fischer in Gamble,

Fl. Pres. Madras 3: 1228. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 338. 1960.

A tall perennial herb, introduced and now naturalized.

Distrib.: Madurai (Matthew 1969), Nilgiri, Salem, Tirunelveli.

Paspalum distichum L. Syst. Nat. ed. 10. 855. 1759; Hook. f. Fl. Brit. India 7: 12. 1896; Brummitt in Taxon 32: 281. 1983. *P. paspaloides* (Michaux) Scribner in Mem. Torrey Bot. Club 5: 29. 1894. *Digitaria paspaloides* Michaux, Fl. Bor.-Amer. 1: 46. 1803.

A stoloniferous perennial forming loose mats.

Distrib.: Coimbatore.

Paspalum longifolium Roxb. Fl. Ind. 1: 283. 1820; Fischer in Gamble, Fl. Pres. Madras 3: 1227. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 339. 1960.

A tall perennial herb, in marshy places.

Distrib.: Nilgiri. R.

Paspalum scrobiculatum L. Mant. Pl. 29. 1767; Hook. f. Fl. Brit. India 7: 10. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1227. 1957 (repr. ed.) incl. var. *commer-sonii* (Lam.) Stapf; Clayton in Kew Bull. 30: 101. 1975. *P. commersonii* Lam. Tabl. Encycl. 1: 175. t. 43. f. 1. 1791; Bor, Grass. Burma Ceylon India Pakistan 335. t. 38. 1960. *P. orbiculare* Forst f. Insul. Austr. Prodr. 7. 1786; Fischer in Gamble, Fl. Pres. Madras 3: 1227. 1957 (repr. ed.).

A herb in moist places; also a weed in cultivated fields.

Distrib.: Almost all districts.

Paspalum vaginatum Sw. Prodr. 21. 1788; Fischer in Gamble, Fl. Pres. Madras 3: 1227. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 341. 1960.

A perennial herb with widely creeping rhizomes and stolons.

Distrib.: Chengalpattu, Ramanathapuram, South Arcot, Tirunelveli.

Pennisetum clandestinum Hochst. ex Chiov. in Annuario Reale Ist. Bot. Roma 8: 41. t. 5. f. 2. 1903; Fischer in Gamble, Fl. Pres. Madras 3: 1241. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 344. 1960.

A copiously branched perennial herb matting on ground; introduced for fodder.

Distrib.: Madurai (Matthew 1969), Nilgiri.

Pennisetum hohenackeri Hochst. ex Steud. Syn. Pl. Glumac. 1: 103. 1854; Fischer in Gamble, Fl. Pres. Madras 3: 1241. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 344. 1960. *P. alopecuroides* Steud. Syn. Pl. Glumac. 1: 102. 1854; Hook. f. Fl. Brit. India 7: 84. 1896; Rang. & Tad. Handb. South Indian Grass. tt. 113 & 114. 1921.

Tamil: *Munja pullu*.

Densely tufted perennial herb, in plains and low hills.

Distrib.: Chengalpattu, Coimbatore, Nilgiri, North Arcot, Salem, South Arcot.

Pennisetum pedicellatum Trin. in Mem. Acad. Imp. Sci. Saint-Petersbourg, Ser. 6, Sci. Math., Seconde Pt. Sci. Nat. 3: 184. 1834; Hook. f. Fl. Brit. India 7: 86. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1241. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 346. 1960.

An annual herb.

Distrib.: Coimbatore.

Pennisetum polystachyon (L.) Schultes, Mant. 2: 146. 1824; Fischer in Gamble, Fl. Pres. Madras 3: 1241. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan

346. t. 39. 1960. *Panicum polystachyon*
L. Syst. Nat. ed. 10. 870. 1759.

An annual herb.

Distrib.: Coimbatore, Nilgiri.

Pennisetum purpureum Schum. Beskr.
Guin. Pl. 44. 1827; Bor, Grass. Burma
Ceylon India Pakistan 348. t. 40. 1960.

A tall rhizomatous perennial herb,
often cultivated and running wild.

Distrib.: Coimbatore, Madurai (Matthew
1969), Tiruchchirappalli (RHT). **B.**

Pennisetum typhoides (Burm.f.) Stapf &
Hubbard in Kew Bull. 1933: 271. 1933;
Fischer in Gamble, Fl. Pres. Madras 3:
1241. 1957 (repr. ed.); Bor, Grass. Burma
Ceylon India Pakistan 350. 1960. *Alopecurus*
typhoides Burm. f. Fl. Ind. 27. 1768.
Pennisetum typhoideum Rich. in Pers.
Syn. 1: 72. 1805; Hook. f. Fl. Brit. India
7: 82. 1896.

Tamil: *Kambu*.

Cultivated. **E.**

Pennisetum villosum R. Br. ex Fresen.
in Mus. Senckenberg 2: 134. 1837; Fischer
in Gamble, Fl. Pres. Madras 3: 1241.
1957 (repr. ed.); Bor, Grass. Burma
Ceylon India Pakistan 351. 1960.

A perennial grass.

Distrib.: Nilgiri.

Perotis indica (L.) Kuntze, Rev. Gen.
Pl. 2: 787. 1891; Fischer in Gamble, Fl.
Pres. Madras 3: 1256. 1957 (repr. ed.);
Bor, Grass. Burma Ceylon India Pakistan
611. t. 72. 1960. *Anthoxanthum indicum*
L. Sp. Pl. 28. 1753. *Perotis latifolia* Ait.
Hort. Kew. ed. 1. 1: 85. 1789; Hook. f.
Fl. Brit. India 7: 98. 1896; Rang. & Tad.
Handb. South Indian Grass. tt. 124 &
125. 1921.

Tamil: *Narival*, *Kudiraival pullu*, *Thopparai pullu*.

A slender, prostrate or geniculate
ascending annual with purplish racemes,
in open waste places and dry or wet
sandy soil.

Distrib.: Almost all districts.

Phalaris aquatica L. Cent. Pl. 1: 4. 1755.
P. tuberosa L. Mant. Pl. 557. 1771; Bor,
Grass. Burma Ceylon India Pakistan 616.
1960.

A tufted perennial herb; an introduced
fodder grass, now running wild.

Distrib.: Madurai (Matthew 1969),
Nilgiri.

Phragmites karka (Retz.) Trin. ex Steud.
Nomencl. ed. 2. 2: 324. 1841; Hook. f.
Fl. Brit. India 7: 304. 1896; Fischer in
Gamble, Fl. Pres. Madras 3: 1251. 1957
(repr. ed.); Bor, Grass. Burma Ceylon
India Pakistan 416. 1960. *Arundo karka*
Retz. Obs. Bot. 4: 21. 1786.

Tamil: *Tharbai pul*.

A tall rhizomatous perennial, in moist
places.

Distrib.: Chengalpattu, Coimbatore,
Madurai, Salem, Tiruchchirappalli, Tiru-
nelveli.

Poa annua L. Sp. Pl. 68. 1753; Hook. f.
Fl. Brit. India 7: 345. 1896; Fyson, Fl.
South Indian Hill St. 2: t. 609. 1932;
Fischer in Gamble, Fl. Pres. Madras 3:
1280. 1957 (repr. ed.); Bor, Grass. Burma
Ceylon India Pakistan 555. 1960.

An annual herb, in hilly areas.

Distrib.: Madurai, Nilgiri.

Poa gamblei Bor in Kew Bull. 1948:
144. 1948 & Grass. Burma Ceylon India
Pakistan 556. 1960.

A small erect herb, in hilly areas at
high elevations.

Distrib.: Nilgiri (Bor 1960). **O. R.**

Poa trivialis L. Sp. Pl. 67. 1753; Fischer,
in Gamble, Fl. Pres. Madras 3: 1280.

1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 561. 1960.

An erect leafy herb, introduced for fodder.

Distrib.: Madurai and Nilgiri (Fischer 1957).

Pogonatherum crinitum (Thunb.) Kunth, Enum. Pl. 1: 478. 1833; Hook. f. Fl. Brit. India 7: 141. 1896; Bor, Grass. Burma Ceylon India Pakistan 200. 1960. *Andropogon crinitus* Thunb. Fl. Jap. 40. t. 7. 1784. *Pogonatherum paniceum* sensu Fischer in Gamble, Fl. Pres. Madras 3: 1188. 1957 (repr. ed.), non (Lam.) Hack. 1906.

A tufted herb, usually on newly exposed soil and along stream banks.

Distrib.: Coimbatore, Madurai, Nilgiri, Salem, Tirunelveli.

Pogonatherum paniceum (Lam.) Hack. in Allg. Bot. Z. Syst. 12: 178. 1906; Bor, Grass. Burma Ceylon India Pakistan 202. 1960. *Saccharum paniceum* Lam. Encycl. 1: 595. 1785. *Pogonatherum saccharoideum* P. Beauv. Ess. Agrost. 176 & 177. 1812; Hook. f. Fl. Brit. India 7: 141. 1896.

A tufted perennial herb, at times cultivated in gardens.

Polypogon fugax Nees ex Steud. Syn. Pl. Glumac. 1: 184. 1854; Bor, Grass. Burma Ceylon India Pakistan 403. 1960.

A herb, in moist or swampy places on hills.

Distrib.: Nilgiri. R.

Pommereulla cornucopiae L. f. Diss. Nov. Gram. 31. 1779; Hook. f. Fl. Brit. India 7: 300. 1896; Rang. & Tad. Handb. South Indian Grass. tt. 213 & 214. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1275. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 620. t. 74. 1960.

A short stout perennial herb with spreading woody stolons.

Distrib.: Chengalpattu, Ramanathapuram, Thanjavur.

Pseudanthistiria heteroclita (Roxb.) Hook. f. Fl. Brit. India 7: 219. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1212. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 203. 1960. *Anthistiria heteroclita* Roxb. Fl. Ind. 1: 253. 1820.

A robust grass, usually on newly exposed soil.

Distrib.: Nilgiri. O.

Pseudanthistiria umbellata (Hack.) Hook. f. Fl. Brit. India 7: 220. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1212. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 204. 1960. *Andropogon umbellatus* Hack. in A.D.C. Monog. Phan. 6: 401. 1889.

A weak slender herb, lower portion of the stem creeping and rooting at nodes.

Distrib.: Nilgiri.

Pseudechinolaena polystachya (H.B.K.) Stapf in Prain Fl. Trop. Africa 9: 495. 1919; Fischer in Gamble, Fl. Pres. Madras 3: 1224. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 352. 1960. *Echinolaena polystachya* H.B.K. Nov. Gen. Sp. 1: 119. 1816. *Panicum uncinatum* Raddi, Agrostogr. Bras. 41 1823; Hook. f. Fl. Brit. India 7: 58. 1896.

A perennial herb forming thick masses, usually in hilly forest areas.

Distrib.: Coimbatore, Madurai.

Pseudobrachiaria deflexa (Schum.) Launert in Mitt. Bot. Staatssamml. Muenchen 8: 158. 1970. *Panicum deflexum* Schum. Beskr. Guin. Pl. 63. 1827. *Brachiaria deflexa* (Schum.) Hubbard & Robyns in Bull. Jard. Bot. Etat. 9: 177.

1932; Bor, Grass. Burma Ceylon India Pakistan 281. 1960.

An annual herb, in moist places.

Distrib.: Coimbatore, North Arcot, Salem, Tiruchchirappalli.

Pseudoraphis spinescens (R.Br.) Vickery in Proc. Roy. Soc. Queensland 62 (7): 69. 1952; Bor, Grass. Burma Ceylon India Pakistan 353. 1960. *Panicum spinescens* R. Br. Prodr. 193. 1810. *Pseudoraphis aspera* Pilger in Notizbl. Bot. Gart. Berlin-Dahlem 10: 210. 1928; Fischer in Gamble, Fl. Pres. Madras 3: 1239. 1957 (repr. ed.). *Chamaeraphis spinescens* (R.Br.) Poir. in Lam. Encycl. Suppl. 2: 189. 1811; Hook. f. Fl. Brit. India 7: 62. 1896; Rang. & Tad. Handb. South Indian Grass. t. 104. 1921.

A glabrous aquatic herb with much-branched floating stems.

Distrib.: Chengalpattu, Coimbatore, Madurai, North Arcot, Ramanathapuram, Thanjavur, Tiruchchirappalli (RHT), Tirunelveli.

Pseudosorghum fasciculare (Roxb.) A. Camus in Bull. Mus. Hist. Nat. (Paris) 26: 662. 1920; Fischer in Gamble, Fl. Pres. Madras 3: 1202. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 205. 1960. *Andropogon fascicularis* Roxb. Fl. Ind. 1: 269. 1820; Hook. f. Fl. Brit. India 7: 177. 1896.

A slender leafy annual.

Distrib.: Coimbatore (CAL). R.

Rhynchelytrum repens (Willd.) Hubbard in Kew Bull. 1934: 110. 1934; Bor, Grass. Burma Ceylon India Pakistan 355. 1960; Cope in Nasir & Ali, Fl. Pakistan 143: 176. 1982. *Saccharum repens* Willd. Sp. Pl. ed. 4. 1(1): 322. 1798. *Rhynchelytrum villosum* (Parl.) Chiov. in Annuario Reale Ist. Bot. Roma 8: 310. 1908; Fischer in Gamble, Fl. Pres. Madras 3: 1240. 1957

(repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 355. 1960. *Monachyron villosum* Parl. in Hook. Niger Fl. 191. 1849. *Tricholaena wightii* Nees & Arn. ex Steud. Syn. Pl. Glumac. 1: 93. 1854 pro syn.; Hook. f. Fl. Brit. India 7: 65. 1896.

A pretty tufted herb with pink feathery panicles, introduced, now naturalized.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Salem, Ramanathapuram, Tirunelveli.

Rottboellia cochinchinensis (Lour.) Clayton in Kew Bull. 35: 817. 1981. *Stegosia cochinchinensis* Lour. Fl. Cochinch. 1: 51. 1790. *Rottboellia exaltata* L. f. Nov. Gram. Gen. 40. t. 1. 1781, non (L). L. f. 1779; Hook. f. Fl. Brit. India 7: 156. 1896; Rang. & Tad. Handb. South Indian Grass. t. 145. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1219. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 206. t. 13. 1960.

A tall perennial herb, in moist places.

Distrib.: Coimbatore, Madurai, Nilgiri, Thanjavur, Tiruchchirappalli, Tirunelveli.

Saccharum arundinaceum Retz. Obs. Bot. 4: 14. 1786; Fischer in Gamble, Fl. Pres. Madras 3: 1185. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 211. 1960.

Tamil: *Pikarumbu*.

A tall tufted perennial herb.

Distrib.: Tirunelveli (Fischer 1957).

Saccharum narenga (Nees ex Steud.) Hack. in A.D.C. Monog. Phan. 6: 11. 1889; Hook. f. Fl. Brit. India 7: 267. 1896. *Eriochrysis narenga* Nees ex Steud. Syn. Pl. Glumac. 1: 411. 1854. *Narenga porphyrocoma* (Hance ex Trin.) Bor in Indian Forester 66: 267. 1940 & Grass. Burma Ceylon India Pakistan 198. 1960.

Eriochrysis porphyrocoma Hance ex Trin. in J. Bot. 14: 294. 1876.

A tall rhizomatous perennial herb.

Distrib.: Coimbatore.

Saccharum officinarum L. Sp. Pl. 54. 1753; Hook. f. Fl. Brit. India 7: 118. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1185. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 212. 1960.

Tamil: *Karumbu*.

An erect tall perennial herb, cultivated in different places. E.

Saccharum spontaneum L. Mant. Pl. 183. 1771; Hook. f. Fl. Brit. India 7: 118. 1896; Rang. & Tad. Handb. South Indian Grass. t. 129. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1185. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 214. 1960.

Tamil: *Naanal*.

A tall densely tufted perennial herb with a creeping rhizome, common along sides of rivers and other similar moist areas; a good soil binder.

Distrib.: Almost all districts. B.

Sacciolepis curvata (L.) Chase in Proc. Biol. Soc. Wash. 21: 8. 1908; Fischer in Gamble, Fl. Pres. Madras 3: 1238. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 357. 1960. *Panicum curvatum* L. Syst. Nat. ed. 12. 2: 732. 1767; Hook. f. Fl. Brit. India 7: 42. 1896.

A small creeping slender annual herb, in marshy places.

Distrib.: Chengalpattu, Tirunelveli.

Sacciolepis indica (L.) Chase in Proc. Biol. Soc. Wash. 21: 8. 1908; Fischer in Gamble, Fl. Pres. Madras 3: 1238. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 357. 1960. *Aira indica* L. Sp. Pl. 1753 (in errata). *Panicum indicum*

(L.) L. Mant. Pl. 184. 1771, non Mill. 1768; Hook. f. Fl. Brit. India 7: 41. 1896.

An annual herb, in very moist grassy places.

Distrib.: All districts.

Sacciolepis interrupta (Willd.) Stapf in Prain, Fl. Trop. Africa 9: 757. 1920 p.p.; Fischer in Gamble, Fl. Pres. Madras 3: 1238. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 358. 1960. *Panicum interruptum* Willd. Sp. Pl. 1: 341. 1797; Hook. f. Fl. Brit. India 7: 40. 1896; Rang. & Tad. Handb. South Indian Grass. tt. 99 & 100. 1921.

Tamil: *Tandan pullu*.

A tall perennial herb, in marshy, semi-aquatic or other very moist places.

Distrib.: Almost all districts.

Sacciolepis myosuroides (R. Br.) A. Camus in Lecomte, Fl. Indo-Chine 7: 460. 1922; Fischer in Gamble, Fl. Pres. Madras 3: 1238. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 358. 1960. *Panicum myosuroides* R. Br. Prodr. 189. 1810; Hook. f. Fl. Brit. India 7: 42. 1896.

A herb, in moist places.

Distrib.: "Carnatic" (Fischer 1957).

Schizachyrium brevifolium (Sw.) Nees ex Buese in Miq. Pl. Jungh. 359. 1854; Fischer in Gamble, Fl. Pres. Madras 3: 1214. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 215. 1960. *Andropogon brevifolius* Sw. Prodr. 26. 1788; Hook. f. Fl. Brit. India 7: 165. 1896.

A delicate annual herb, in waste places.

Distrib.: Nilgiri.

Schizachyrium exile (Hochst.) Pilger in Bot. Jahrb. Syst. 54: 284. 1917; Fischer in Gamble, Fl. Pres. Madras 3: 1214. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 216. 1960. *Andropogon*

exilis Hochst. in Flora 27: 241. 1844; Hook. f. Fl. Brit. India 7: 166. 1896.

A densely tufted slender annual.

Distrib.: Chengalpattu.

Sehima ischaemoides Forssk. Fl. Aeg.-Arab. 178. 1775; Bor, Grass. Burma Ceylon India Pakistan 218. 1960.

An annual herb, in sandy areas, during the rainy season.

Distrib.: "Madras" (Bor 1960).

Sehima nervosum (Rottl.) Stapf in Prain, Fl. Trop. Africa 9: 36. 1917; Fischer in Gamble, Fl. Pres. Madras 3: 1195. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 218. 1960. *Andropogon nervosus* Rottl. in Ges. Naturf. Freunde Berlin Neue Schriften 4: 218. 1803. *Ischaemum laxum* R. Br. Prodr. 205. 1810; Hook. f. Fl. Brit. India 7: 136. 1896 p.p.; Rang. & Tad. Handb. South Indian Grass. t. 137. 1921.

Tamil: *Kuraitti*.

A rhizomatous perennial herb.

Distrib.: Chengalpattu, Coimbatore, Madurai, North Arcot, South Arcot.

Sehima sulcatum (Hack.) A. Camus in Bull. Mus. Hist. Nat. (Paris) 27: 373. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1195. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 219. 1960. *Ischaemum sulcatum* Hack. in A.D.C. Monog. Phan. 6: 248. 1889; Hook. f. Fl. Brit. India 7: 137. 1896.

An erect tufted perennial herb.

Distrib.: Coimbatore. O.

Setaria barbata (Lam.) Kunth, Revis. Gramin. 1: 47. 1829; Bor, Grass. Burma Ceylon India Pakistan 360. 1960. *Panicum barbatum* Lam. Tabl. Encycl. 1: 171. 1791. *P. flavescens* sensu Hook. f. Fl. Brit. India 7: 56. 1896, non Sw. 1788.

An annual herb.

Distrib.: Chengalpattu (CAL). R.

Setaria homonyma (Steud.) Chiov. in Nuovo Giorn. Bot. Ital. n.s. 26: 78. 1919; Bor, Grass. Burma Ceylon India Pakistan 361. 1960. *Panicum homonymum* Steud. Syn. Pl. Glumac. 1: 48. 1854. *P. rhachitrichum* sensu Hook. f. Fl. Brit. India 7: 56. 1896, non Hochst. 1844.

An annual herb.

Distrib.: Madurai. R.

Setaria intermedia Roem. & Schultes, Syst. 2: 489. 1817; Hook. f. Fl. Brit. India 7: 79. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1239. 1957 (repr. ed.). *S. tomentosa* (Roxb.) Kunth, Revis. Gramin. 1: 47. 1829; Bor, Grass. Burma Ceylon India Pakistan 365. 1960. *Panicum tomentosum* Roxb. Fl. Ind. 1: 303. 1820.

A loosely tufted annual herb, common in shaded places, in hedges and thickets.

Distrib.: Chengalpattu, Coimbatore, Madurai, Nilgiri, North Arcot, Salem, Tirunelveli.

Setaria italica (L.) P. Beauv. Ess. Agrost. 51, 170 & 178. 1812; Hook. f. Fl. Brit. India 7: 78. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1239. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 362. 1960. *Panicum italicum* L. Sp. Pl. 56. 1753.

Tamil: *Thinai*.

An annual herb; cultivated, often running wild.

Distrib.: Coimbatore, Pudukkottai (RHT). E.

Setaria palmifolia (Koen.) Stapf in J. Linn. Soc., Bot. 42: 186. 1914; Fischer in Gamble, Fl. Pres. Madras 3: 1239. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 363. 1960. *Panicum palmifolium* Koen. in Naturforscher (Halle)

23: 208. 1788. *P. plicatum* sensu Hook. f. Fl. Brit. India 7: 55. 1896 p.p., non Lam. 1797.

A robust perennial herb with plicate leaves, usually in moist shaded places.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri, Tirunelveli.

Setaria plicata (Lam.) Cooke, Fl. Pres. Bombay 2: 919. 1908; Bor, Grass. Burma Ceylon India Pakistan 360. 1960. *Panicum plicatum* Lam. Encycl. 4: 736. 1797; Hook. f. Fl. Brit. India 7: 55. 1896 p.p.

A slender perennial herb with plicate leaves, in moist shaded places.

Distrib.: Coimbatore (Fischer 1921), Nilgiri (CAL).

Setaria poiretiana (Schultes) Kunth, Revis. Gramin. 1: 47. 1829; Bor, Grass. Burma Ceylon India Pakistan 364. 1960. *Panicum poiretianum* Schultes, Mant. 2: 229. 1824.

A pretty perennial herb with plicate leaves and a large panicle.

Distrib.: Nilgiri.

Setaria pumila (Poir.) Roem. & Schultes, Syst. 2: 891. 1817; Clayton in Tutin et al. Fl. Europaea 5: 263. 1980. *Panicum pumilum* Poir. in Lam. Encycl. Suppl. 4: 273. 1816. *Setaria pallidifusca* (Schum.) Stapf & Hubbard in Kew Bull. 1930: 259. 1930; Fischer in Gamble, Fl. Pres. Madras 3: 1239. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 363. 1960. *Panicum pallidifuscum* Schum. Beskr. Guin. Pl. 58. 1827. *Setaria glauca* sensu Hook. f. Fl. Brit. India 7: 78. 1896, non P. Beauv. 1812.

A tufted annual, usually in hedges and thickets; also a weed in cultivated fields.

Distrib.: Almost all districts.

Setaria sphacelata (Schum.) Stapf & Hubbard ex Moss in Kew Bull. 1929:

195. 1929; Bor, Grass. Burma Ceylon India Pakistan 364. 1960. *Panicum sphacelatum* Schum. Beskr. Guin. Pl. 58. 1827.

An erect herb, introduced for fodder.

Distrib.: Coimbatore.

Setaria verticillata (L.) P. Beauv. Ess. Agrost. 51 & 178. 1812; Hook. f. Fl. Brit. India 7: 80. 1896; Rang. & Tad. Handb. South Indian Grass. tt. 111 & 112. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1239. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 365. 1960. *Panicum verticillatum* L. Sp. Pl. ed. 2. 1: 82. 1762.

A leafy annual with long prostrate ascending culms, usually in shaded places.

Distrib.: Almost all districts.

Sorghum arundinaceum (Desv.) Stapf in Prain, Fl. Trop. Africa 9: 114. 1917; Cope in Nasir & Ali, Fl. Pakistan 143: 297. 1982. *Rhaphis arundinacea* Desv. Opusc. 69. 1831. *Sorghum stapfii* (Hook. f.) Fischer in Gamble, Fl. Pres. Madras 1735. 1934 & 3: 1203. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 246. 1960. *Andropogon stapfii* Hook. f. Fl. Brit. India 7: 184. 1896. *Sorghum verticilliflorum* (Steud.) Stapf in Prain, Fl. Trop. Africa 9: 116. 1917; Bor, Grass. Burma Ceylon India Pakistan 223. t. 14. 1960. *Andropogon verticilliflorus* Steud. Syn. Pl. Glumac. 1: 393. 1854.

An erect tufted annual herb.

Distrib.: Tirunelveli.

Sorghum bicolor (L.) Moench. Meth. Pl. 207. 1794; Bor, Grass. Burma Ceylon India Pakistan 228. t. 15. 1960. *Holcus bicolor* L. Mant. Pl. 301. 1771.

Cultivated. E.

Sorghum cernuum Host var. ***orbiculatum*** Snowden in Kew Bull. 1935: 251. 1935; Bor, Grass. Burma Ceylon India Pakistan 228. 1960.

Cultivated. E.

Sorghum cernuum Host var. **truchmenorum** (C. Koch) Snowden in Kew Bull. 1935: 251. 1935; Bor, Grass. Burma Ceylon India Pakistan 231. 1960. *S. truchmenorum* C. Koch in Linnaea 21: 442. 1848.

“Introduced into Madras from Russia and Cultivated at Coimbatore” (Bor 1960). E.

Sorghum controversum (Steud.) Snowden in J. Linn. Soc., Bot. 55: 210. 1955; Bor, Grass. Burma Ceylon India Pakistan 222. 1960. *Andropogon controversus* Steud. Syn. Pl. Glumac. 1: 391. 1854.

A perennial herb.

Distrib.: “Madras” (Bor 1960).

Sorghum dochna (Forssk.) Snowden var. **irungu** (Burkill ex Benson & Subbarao) Snowden in Kew Bull. 1935: 235. 1935; Bor, Grass. Burma Ceylon India Pakistan 234. 1960. *Andropogon sorghum* (L.) Brot. var. *irungu* Burkill ex Benson & Subbarao in Madras Dept. Agric. Bull. 55: 68. 1906.

“Cultivated in Madras” (Bor 1960). E.

Sorghum dochna (Forssk.) Snowden var. **obovatum** (Hack.) Snowden in Kew Bull. 1935: 235. 1935; Bor, Grass. Burma Ceylon India Pakistan 234. 1960. *Andropogon sorghum* (L.) Brot. subsp. *sativus* var. *obovatus* Hack. in A.D.C. Monog. Phan. 6: 514. 1889 p.p.

“Cultivated at Government farm, Madras” (Bor 1960). E.

Sorghum durra (Forssk.) Stapf var. **coimbotoricum** (Burkill ex Benson & Subbarao) Snowden in Kew Bull. 1935: 250. 1935; Bor, Grass. Burma Ceylon India Pakistan 236. 1960. *Andropogon sorghum* (L.) Brot. var. *coimbotoricum* Burkill ex Benson & Subbarao in Madras Dept. Agric. Bull. 55: 68. 1906.

Tamil: *Periya manjal cholam*.

Cultivated. E.

Sorghum durra (Forssk.) Stapf var. **mediocre** (Burkill ex Benson & Subbarao) Snowden in Kew Bull. 1935: 249. 1935; Bor, Grass. Burma Ceylon India Pakistan 236. 1960. *Andropogon sorghum* (L.) Brot. var. *mediocris* Burkill ex Benson & Subbarao in Madras Dept. Agric. Bull. 55: 68. 1906.

“Cultivated in Madras only” (Bor 1960) E.

Sorghum halepense (L.) Pers. Syn. 1: 101. 1805; Fischer in Gamble, Fl. Pres. Madras 3: 1203. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 222. 1960. *Holcus halepensis* L. Sp. Pl. 1047. 1753. *Andropogon halepensis* (L.) Brot. Fl. Lusit. 1: 89. 1804; Hook. f. Fl. Brit. India 7: 182. 1896. *Sorghum miliaceum* (Roxb.) Snowden in J. Linn. Soc., Bot. 55: 207. 1955 incl. var. *parvispiculum*; Bor, Grass. Burma Ceylon India Pakistan 223. 1960. *Andropogon miliaceus* Roxb. Fl. Ind. 1: 276. 1820.

Tamil: *Kaattucholam*.

A rhizomatous perennial herb, along banks of rivers, streams, and other moist places.

Distrib.: Almost all districts. B.

Sorghum nitidum (Vahl) Pers. Syn. 1: 101. 1805; Fischer in Gamble, Fl. Pres. Madras 3: 1203. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 245. 1960. *Holcus nitidus* Vahl, Symb. Bot. 2: 102. 1791. *Andropogon serratus* Thunb. Fl. Jap. 41. 1784; Hook. f. Fl. Brit. India 7: 185. 1896. *Sorghum serratum* (Thunb.) Kuntze, Rev. Gen. Pl. 2: 792. 1891, non Roem. & Schultes 1817.

A perennial herb.

Distrib.: Coimbatore, Madurai, Nilgiri, Tirunelveli.

Sorghum porpinquum (Kunth) Hitchc. var. **siamense** (Piper) Snowden in J. Linn. Soc., Bot. 55: 214. 1955; Bor, Grass. Burma Ceylon India Pakistan 223. 1960. *Andropogon halepensis* (L.) Brot. subsp. *siamensis* Piper in Proc. Biol. Soc. Wash. 28: 30. 1915.

A tall perennial herb.

Distrib.: "Madras" (Bor 1960).

Sorghum roxburghii Stapf var. **hians** Stapf in Prain, Fl. Trop. Africa 9: 127. 1917; Bor, Grass. Burma Ceylon India Pakistan 241. t. 24. 1960.

Tamil: *Thalivirichan cholam*.

Cultivated. E.

Sorghum subglabrescens (Steud.) Schweinf. & Asch. in Schweinf. Beitr. Fl. Aethiop. 302 & 306. 1867; Bor, Grass. Burma Ceylon India Pakistan 242. 1960. *Andropogon subglabrescens* Steud. Syn. Pl. Glumac. 1: 393. 1854.

The following varieties are cultivated at several centres in "Madras" (Bor 1960): var. **compactum** (Burkill) Snowden; var. **irungiforme** (Burkill) Snowden; var. **oviforme** Snowden and var. **rubidum** (Burkill) Snowden.

Spinifex littoreus (Burm. f.) Merr. in Philipp. J. Sci. 7: 229. 1912; Fischer in Gamble, Fl. Pres. Madras 3: 1183. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 366. 1960. *Stipa littorea* Burm. f. Fl. Ind. 29. 1768. *Spinifex squarrosus* L. Mant. Pl. 300. 1771; Hook. f. Fl. Brit. India 7: 63. 1896; Rang. & Tad. Handb. South Indian Grass. tt. 105 & 106. 1921.

Tamil: *Ravanan meesai*.

A spreading dioecious perennial herb, forming impenetrable thickets on sandy sea shores.

Distrib.: All coastal districts.

Spodiopogon rhizophorus (Steud.) Pilger in Engler & Prantl, Pflanzenf. ed. 2. 14e: 119. 1940; Bor, Grass. Burma Ceylon India Pakistan 246. 1960. *Andropogon rhizophorus* Steud. Syn. Pl. Glumac. 1: 381. 1854. *Spodiopogon albidus* Benth. in J. Linn. Soc., Bot. 19: 66. 1881; Hook. f. Fl. Brit. India 7: 108. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1186. 1957 (repr. ed.).

A weak tufted herb, usually in openings of thick forests.

Distrib.: Coimbatore, Nilgiri. O.

Sporobolus capillaris Miq. in Verh. Kon. Ned. Inst. 3(4): 37. 1851; Bor, Grass. Burma Ceylon India Pakistan 627. 1960. *S. scabrifolius* Bhide in J. & Proc. Asiat. Soc. Bengal 8: 312. 1912; Rang. & Tad. Handb. South Indian Grass. tt. 185 & 186. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1259. 1957 (repr. ed.).

A loosely tufted pretty annual, usually on black cotton soil.

Distrib.: Coimbatore, South Arcot, Tirunelveli (Fischer 1957).

Sporobolus coromandelianus (Retz.) Kunth, Revis. Gramin. 1: 68. 1829; Hook. f. Fl. Brit. India 7: 252. 1896; Rang. & Tad. Handb. South Indian Grass. tt. 181 & 182. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1258. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 627. 1960. *Agrostis coromandeliana* Retz. Obs. Bot. 4: 19. 1786. *Sporobolus commutatus* (Trin.) Kunth, Enum. Pl. 1: 214. 1833; Rang. & Tad. Handb. South Indian Grass. tt. 183 & 184. 1921. *Vilfa commutata* Trin. Diss. Bot. 156. 1824.

A densely tufted annual, growing on a wide variety of soils.

Distrib.: Chengalpattu, Coimbatore, Madurai, North Arcot, Ramanathapuram, Tirunelveli.

Sporobolus indicus (L.) R. Br. var. **diander** (Retz.) Jovet & Guedes in Taxon 22: 163. 1973. *Agrostis diandra* Retz. Obs. Bot. 5: 19. 1789. *Sporobolus diander* (Retz.) P. Beauv. Ess. Agrost. 26, 147 & 178. 1812; Hook. f. Fl. Brit. India 7: 247. 1896; Rang. & Tad. Handb. South Indian Grass. t. 178. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1258. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 629. 1960.

A tufted perennial herb, in waste places.

Distrib.: Almost all districts.

Sporobolus indicus (L.) R. Br. var. **fertilis** (Steud.) Jovet & Guedes in Taxon 22: 163. 1973. *Agrostis fertilis* Steud. Syn. Pl. Glumac. 1: 170. 1854. *Sporobolus fertilis* (Steud.) Clayton in Kew Bull. 19: 291. 1965. *S. indicus* sensu Hook. f. Fl. Brit. India 7: 247. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1258. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 630. t. 76. 1960.

A densely tufted perennial herb, usually in open situations.

Distrib.: Coimbatore, Madurai (CAL), Nilgiri, Tirunelveli (Fischer 1957).

Sporobolus maderaspatanus Bor in Kew Bull. 1957: 234. 1957 & Grass. Burma Ceylon India Pakistan 632. 1960. *S. orientalis* auct. non Kunth 1833; Hook. f. Fl. Brit. India 7: 251. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1258. 1957 (repr. ed.).

A stoloniferous perennial herb, usually in saline areas.

Distrib.: Chengalpattu (Fischer 1957), Kanniyakumari, Ramanathapuram, Tirunelveli.

Sporobolus piliferus (Trin.) Kunth, Enum. Pl. 1: 211. 1833; Hook. f. Fl. Brit. India 7: 251. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1258. 1957 (repr. ed.);

Bor, Grass. Burma Ceylon India Pakistan 632. 1960. *Vilfa pilifera* Trin. Diss. Bot. 157. 1824.

A densely tufted annual herb.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Tirunelveli.

Sporobolus spicatus (Vahl) Kunth, Revis. Gramin. 1: 67. 1829; Hook. f. Fl. Brit. India 7: 250. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1258. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 632. 1960. *Agrostis spicata* Vahl, Symb. Bot. 1: 9. 1790.

A perennial herb with stiff culms arising from very stout woody stolons; usually in sandy areas.

Distrib.: Coimbatore (Fischer 1957), South Arcot (HIFP), Tirunelveli (Fischer 1957).

Sporobolus tenuissimus (Schrank) Kunze, Rev. Gen. Pl. 3: 369. 1893; Bor, Grass. Burma Ceylon India Pakistan 633. 1960. *Panicum tenuissimum* Schrank in Denkschr. Koenigl.-Baier. Bot. Ges. Regensburg 2: 26. 1822. *Sporobolus minutiflorus* (Trin.) Link, Hort. Berol. 1: 88. 1827; Hook. f. Fl. Brit. India 7: 248. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1258. 1957 (repr. ed.). *Vilfa minutiflora* Trin. Diss. Bot. 158. 1824.

A delicate annual herb.

Distrib.: Coimbatore, Tiruchchirappalli, Tirunelveli.

Sporobolus tremulus (Willd.) Kunth, Revis. Gramin. 1: 67. 1829; Hook. f. Fl. Brit. India 7: 250. 1896; Rang. & Tad. Handb. South Indian Grass. tt. 179 & 180. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1258. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 633. 1960. *Agrostis tremula* Willd. Sp. Pl. 1: 372. 1798.

Tamil: *Uppurutnam pullu*.

A small tufted perennial herb, usually in moist places.

Distrib.: Chengalpattu, Coimbatore, Ramanathapuram, South Arcot, Thanjavur, Tiruchchirappalli, Tirunelveli.

Sporobolus virginicus (L.) Kunth, Revis. Gramin. 1: 67. 1829; Hook. f. Fl. Brit. India 7: 249. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1259. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 634. 1960. *Agrostis virginica* L. Sp. Pl. 63. 1753.

A perennial herb with the culms arising from a woody creeping base; usually in sandy areas.

Distrib.: Chengalpattu, Tirunelveli.

Sporobolus wallichii Munro ex Trin. in J. Bot. 27: 171. 1889; Hook. f. Fl. Brit. India 7: 248. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1258. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 634. 1960.

A tall herb.

Distrib.: "Madras" (Bor 1960). R.

Stenotaphrum dimidiatum (L.) Brongn. in Duperr. Voy. Monde 127. 1831; Fischer in Gamble, Fl. Pres. Madras 3: 1228. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 366. t. 41. 1960. *Panicum dimidiatum* L. Sp. Pl. 57. 1753. *Stenotaphrum glabrum* Trin. Fund. Agrost. 176. 1820; Hook. f. Fl. Brit. India 7: 90. 1896.

A prostrate perennial herb forming mats.

Distrib.: Nilgiri.

Teinostachyum beddomei Fischer in Gamble, Fl. Pres. Madras 1860. 1934 & 3: 1287. 1957 (repr. ed.). *T. wightii* Bedd. Fl. Sylv. t. 323. 1874, quoad descr. excl. basionym *Bambusa wightii* Munro 1866; Hook. f. Fl. Brit. India 7: 410. 1896.

A semi-scandent shrub or tree.

Distrib.: Coimbatore, Nilgiri. O. R.

Tetrapogon tenellus (Roxb.) Chiov. in Annuario Reale Ist. Bot. Roma 8: 352. 1908; Bor, Grass. Burma Ceylon India Pakistan 475. 1960. *Chloris tenella* Roxb. Fl. Ind. 1: 330. 1820; Hook. f. Fl. Brit. India 7: 290. 1896; Rang. & Tad. Handb. South Indian Grass. t. 197. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1271. 1957 (repr. ed.).

Distrib.: "Madras" (Bor 1960).

Thelepogon elegans Roth ex Roem. & Schultes, Syst. 2: 788. 1817; Hook. f. Fl. Brit. India 7: 148. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1309. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 247. 1960.

Distrib.: "Madras" (Bor 1960).

Themeda cymbaria Hack. in A. DC. Monog. Phan. 6: 668. 1889; Fischer in Gamble, Fl. Pres. Madras 3: 1210. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 251. 1960. *Anthistiria cymbaria* Roxb. Fl. Ind. 1: 255. 1820, quoad descr. excl. basionym *Andropogon cymbarius* L. 1771; Hook. f. Fl. Brit. India 7: 215. 1896.

Tamil: *Noshia palai pullu*.

A tall robust perennial herb.

Distrib.: Almost all districts.

Themeda quadrivalvis (L.) Kuntze, Rev. Gen. Pl. 2: 794. 1891; Fischer in Gamble, Fl. Pres. Madras 3: 1210. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 252. 1960. *Andropogon quadrivalvis* L. in Murr. Syst. Veg. ed. 13. 758. 1774. *Anthistiria ciliata* L. f. Suppl. Pl. 113. 1781; Hook. f. Fl. Brit. India 7: 213. 1896; Fyson, Fl. South Indian Hill. St. 2: t. 599. 1932.

An annual herb.

Distrib.: Chengalpattu, Coimbatore, Madurai (Fyson 1932), Nilgiri.

Themeda tremula (Nees ex Steud.) Hack. in A.D.C. Monog. Phan. 6: 667. 1889; Fischer in Gamble, Fl. Pres. Madras 3: 1210. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 254. 1960. *Anthistiria tremula* Nees ex Steud. Syn. Pl. Glumac. 1: 401. 1855; Hook. f. Fl. Brit. India 7: 214. 1896; Rang. & Tad. Handb. South Indian Grass. t. 165. 1921.

An erect annual or perennial herb, in marshes and other moist places.

Distrib.: Coimbatore, Kanniyakumari, Madurai, Nilgiri.

Themeda triandra Forssk. Fl. Aeg.-Arab. 123 & 178. 1775; Fischer in Gamble, Fl. Pres. Madras 3: 1209. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 254. t. 27. 1960. *Anthistiria imberbis* Retz. Obs. Bot. 3: 11. 1783; Hook. f. Fl. Brit. India 7: 211. 1896.

Tamil: *Erigai thattu pullu*.

A densely tufted perennial herb, usually in open places.

Distrib.: Almost all districts.

Thysanolaena maxima (Roxb.) Kuntze, Rev. Gen. Pl. 2: 794. 1891; Fischer in Gamble, Fl. Pres. Madras 3: 1245. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 650. 1960. *Agrostis maxima* Roxb. Fl. Ind. 1: 319. 1820. *Thysanolaena agrostis* Nees in Edinburgh New Philos. J. 18: 180. 1835; Hook. f. Fl. Brit. India 7: 61. 1896.

A tall perennial herb.

Distrib.: Chengalpattu (PCM).

Trachys muricata (L.) Pers. ex Trin. in Mem. Acad. Imp. Sci. St.-Petersbourg, Ser. 6, Sci. Math. 3: 189. 1834; Fischer in Gamble, Fl. Pres. Madras 3: 1255. 1957 (repr. ed.); Bor, Grass. Burma

Ceylon India Pakistan 369. t. 42. 1960. *Cenchrus muricatus* L. Mant. Pl. 302. 1771. *Trachys mucronata* Pers. Syn. 1: 85. 1805; Hook. f. Fl. Brit. India 7: 96. 1896; Rang. & Tad. Handb. South Indian Grass. t. 121. 1921.

Tamil: *Vennai thiratti pul*.

A softly villous, diffusely branched annual herb, usually a weed in dry cultivated lands and sandy sea shores.

Distrib.: Almost all districts.

Tragus roxburghii Panigrahi in Kew Bull. 29: 495. 1974. *T. biflorus* Schultes, Mant. 2: 205. 1824, quoad descr. excl. basionym *Lappago biflora* Roxb. 1820; Fischer in Gamble, Fl. Pres. Madras 3: 1255. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 682. t. 80. 1960. *T. racemosus* sensu Hook. f. Fl. Brit. India 7: 97. 1896, non Scop. 1777.

A tufted perennial herb.

Distrib.: Almost all districts. E.

Tripogon bromoides Roem. & Schultes, Syst. 2: 600. 1817; Hook. f. Fl. Brit. India 7: 287. 1896; Fyson, Fl. South Indian Hill St. 2: t. 603. 1932; Fischer in Gamble, Fl. Pres. Madras 3: 1269. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 521. 1960.

A tufted perennial herb, in hilly areas.

Distrib.: Coimbatore, Madurai, Nilgiri, North Arcot (Fischer 1957), Tirunelveli.

Tripogon jacquemontii Stapf in Kew Bull. 1892: 85. 1892; Hook. f. Fl. Brit. India 7: 286. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1269. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 522. 1960.

A tufted perennial herb, usually in rocky areas and barren uplands.

Distrib.: Coimbatore (Fischer 1957), Nilgiri, Tirunelveli. O. R.

Tripogon lisboae Stapf in Kew Bull. 1892: 84. 1892; Hook. f. Fl. Brit. India 7: 286. 1896; Bor, Grass. Burma Ceylon India Pakistan 522. 1960.

A tufted perennial herb, usually in crevices of rocks.

Distrib.: Coimbatore. **O. R.**

Tripogon pungens Fischer in Kew Bull. 1934: 170. 1934 & in Gamble, Fl. Pres. Madras 3: 1269. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 522. 1960.

A small herb, in crevices of rocks.

Distrib.: Coimbatore, Madurai (Fischer 1957). **O. R.**

Tripogon wightii Hook. f. Fl. Brit. India 7: 286. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1269. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 524. 1960.

A slender densely tufted herb, in hilly areas.

Distrib.: Nilgiri. **O. R.**

Tripsacum laxum Nash in N. Amer. Fl. 17: 81. 1909; Bor, Grass. Burma Ceylon India Pakistan 268. 1960; Britto & Matthew in Matthew, Fl. Tamilnadu Carnatic 3: 1912. 1983.

An erect perennial up to 4 m tall; an introduced fodder grass, running wild.

Distrib.: Salem (Britto & Matthew 1983), Nilgiri.

Triticum dicoccum Schubler, Diss. Char. Descr. Cereal. 29. 1818; Fischer in Gamble, Fl. Pres. Madras 3: 1284. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 679. 1960. *T. vulgare* sensu Hook. f. Fl. Brit. India 7: 367. 1896 p.p., non Vill. 1787.

Cultivated. **E.**

Urochloa mosambicensis (Hack.) Dandy in J. Bot. 69: 54. 1931; Bor, Grass. Burma Ceylon India Pakistan 372. 1960. *Panicum mosambicense* Hack. in Biol. Soc. Brot. 6: 140. 1888. *P. notabile* Hook. f. Fl. Brit. India 7: 32. 1896.

A rhizomatous perennial herb; yields a good fodder.

Distrib.: Coimbatore.

Urochloa panicoides P. Beauv. Ess. Agrost. 53. t. 11. f. 1. 1812; Fischer in Gamble, Fl. Pres. Madras 3: 1230. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 372. 1960 incl. var. *pubescens* (Kunth) Bor & var. *velutina* (Henrard) Bor. *Panicum javanicum* Poir. in Lam. Encycl. Suppl. 4: 274. 1816; Hook. f. Fl. Brit. India 7: 35. 1896.

A leafy decumbent annual, freely branched from the base; in moist places.

Distrib.: Chengalpattu, Coimbatore, Nilgiri, North Arcot, Salem, South Arcot.

Vetiveria lawsonii (Hook. f.) Blatter & McCann in J. Bombay Nat. Hist. Soc. 32: 409. 1928; Fischer in Gamble, Fl. Pres. Madras 3: 1201. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 258. 1960. *Andropogon lawsonii* Hook. f. Fl. Brit. India 7: 187. 1896.

A tufted perennial herb; roots not aromatic.

Distrib.: Coimbatore, Nilgiri (Fischer 1957). **O.**

Vetiveria zizanioides (L.) Nash in Small, Fl. S.E. U.S. 67. 1903; Fischer in Gamble, Fl. Pres. Madras 3: 1201. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 258. 1960. *Phalaris zizanioides* L. Mant. Pl. 183. 1771. *Andropogon squarrosus* sensu Hook. f. Fl. Brit. India 7: 186. 1896, non L.f. 1781.

Tamil: *Vetiver*, *Virkel*, *Viyal*.

A densely tufted perennial herb with aromatic roots; in moist situations along margins of tanks and streams.

Distrib.: Chengalpattu, Coimbatore, North Arcot, South Arcot, Tirunelveli (UCT). E.

Vulpia megalura (Nutt.) Rydb. in Bull. Torrey Bot. Club 36: 538. 1909; Bor, Grass. Burma Ceylon India Pakistan 564. 1960. *Festuca megalura* Nutt. in J. Acad. Nat. Sci. Philadelphia 2(1): 188. 1848.

Distrib.: Nilgiri (Bor 1960).

Vulpia myuros (L.) Gmel. Fl. Bad. 1: 8. 1805; Fischer in Gamble, Fl. Pres. Madras 3: 1281. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 564. 1960. *Festuca myuros* L. Sp. Pl. 74. 1753; Hook. f. Fl. Brit. India 7: 356. 1896.

An erect annual with slender culms; often a weed in cultivated fields, in hilly areas.

Distrib.: Madurai (Matthew 1969), Nilgiri.

Zea mays L. Sp. Pl. 971. 1753; Hook. f. Fl. Brit. India 7: 102. 1896; Fischer in Gamble, Fl. Pres. Madras 3: 1181. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 270. 1960.

Tamil: *Makka cholam*, *Turaka cholam*.
Cultivated. E.

Zenkeria elegans Trin. in Linnaea 11: 150. t. 3. 1837; Hook. f. Fl. Brit. India 7: 270. 1896; Fyson, Fl. South Indian Hill St. 2: t. 601. 1932; Fischer in Gamble, Fl. Pres. Madras 3: 1250. 1957 (repr. ed.).

A tall perennial herb.

Distrib.: Coimbatore, Madurai, North Arcot (Fischer 1957), Nilgiri, Ramanathapuram, Salem, Tirunelveli (Fischer 1957). Q.

Zenkeria sebastinei Henry & Chandrasekhar in Bull. Bot. Surv. India 15: 142. 1973 (1976).

A perennial herb with the culms ascending from a decumbent rooting base.

Distrib.: Tirunelveli. O.

Zenkeria stapfii Henrard in Repert. Spec. Nov. Regni Veg. 17: 396. 1921; Fischer in Gamble, Fl. Pres. Madras 3: 1250. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 482. 1960.

A small perennial herb.

Distrib.: Nilgiri (Fischer 1957). R

Zoysia matrella (L.) Merr. in Philipp. J. Sci. 7: 230. 1912; Fischer in Gamble, Fl. Pres. Madras 3: 1257. 1957 (repr. ed.); Bor, Grass. Burma Ceylon India Pakistan 684. 1960. *Agrostis matrella* L. Mant. Pl. 185. 1771. *Zoysia pungens* Willd. in Ges. Naturf. Freunde Berlin Neue Schriften 3: 441. 1801; Hook. f. Fl. Brit. India 7: 99. 1896.

A small tufted glabrous herb, usually in sandy areas.

Distrib.: Chengalpattu, Ramanathapuram, Thanjavur.

GYMNOSPERMS

CYCADACEAE

N.G. NAIR

Cycas circinalis L. Sp. Pl. 1188. 1753; Dyer in Hook. f. Fl. Brit. India 5: 656. 1888; Fischer in Gamble, Fl. Pres. Madras 3: 975. 1957 (repr. ed.).

Tamil: *Avinchil*.

An evergreen palm-like tree, the seeds about the size of a pigeon's egg.

Distrib.: Chengalpattu, Coimbatore, Kanniyakumari, Madurai, Ramanathapuram, Tirunelveli.

Cycas revoluta Thunb. Fl. Jap. 229. 1784.

The 'Sago-Cycas' grown in gardens as an ornamental.

GINKGOACEAE

N.G. NAIR

Ginkgo biloba L. Mant. Pl. 313. 1771.

An introduced deciduous tree, cultivated in gardens particularly on hills.

PODOCARPACEAE

N.G. NAIR

Nageia wallichiana (Presl) Kuntze, Rev. Gen. Pl. 2: 800. 1891; Laubenf. in *Blumea* 32: 210. 1987. *Podocarpus wallichianus* Presl, Bot. Bemerk. 110. 1844; Fischer in Gamble, Fl. Pres. Madras 3: 974. 1957 (repr. ed.). *P. latifolia* Wall. Pl. Asiat. Rar. 1: 26. t. 30. 1830, non (Thunb.) R. Br. 1825; Hook. f. Fl. Brit. India 5: 649. 1888. *Decussocarpus wallichianus* (Presl) Laubenf. in J. Arnold Arbor. 50: 349. 1969.

A tall evergreen tree with aromatic wood.

Distrib.: Coimbatore, Kanniyakumari, Nilgiri, Tirunelveli. E.

The only coniferous tree indigenous to Southern India.

Podocarpus brevifolius (Stapf) Foxw. in Philipp. J. Sci. 6: 160. t. 29. f. 2. 1911; Matthew in Rec. Bot. Surv. India 20(1): 19. 1969. *P. nerifolius* var. *brevifolius* Stapf in Trans. Linn. Soc. London Bot. ser. 2. 4: 249. 1894.

An evergreen tree, branching from base; cultivated in hill stations.

Podocarpus elongata L' Herit. ex Pers. Syn. 2: 580. 1807.

An introduced large tree, cultivated in hills.

Podocarpus taxifolia H.B.K. Nov. Gen. Sp. 2: t. 97. 1817.

A tall tree under cultivation in hills.

ARAUCARIACEAE

N.G. NAIR

Agathis australis Steud. Nomencl. ed. 2. 1: 34. 1840.

An introduced tree, often cultivated in hills.

Agathis robusta Bailey, Syn. Queensl. Fl. 83. 1886.

An introduced tree, often under cultivation in hills.

Araucaria bidwillii Hook. in London J. Bot. 2: 503. tt. 18 & 19. 1843; Matthew in Rec. Bot. Surv. India 20(1): 19. 1969.

An evergreen tall tree, under cultivation in hills.

Araucaria excelsa R. Br. in Ait. Hort. Kew. ed. 2. 5: 412. 1813.

A tall evergreen tree under cultivation in hills.

Note: *A. columnaris* (Forst.) Hook. and *A. cunninghamii* Sweet are cultivated in the Botanic Garden of the Nilgiris (vide Raizada & Sahni 1958).

PINACEAE

N.G. NAIR

Cedrus deodara (Roxb.) D. Don in Loud. Hort. Brit. 388. 1830; Matthew in Rec. Bot. Surv. India 20(1): 20. 1969. *Pinus deodara* Roxb. Fl. Ind. 3: 651. 1832; Hook. f. Fl. Brit. India 5: 653. 1888.

A robust evergreen tree, cultivated in hills.

Pinus canariensis C. Smith in Buch, Phys. Besch. Canar. Ins. 159. 1825;

Matthew in Rec. Bot. Surv. India 20(1): 24. 1969.

An evergreen tree with drooping branchlets and yellow shoots, under cultivation in hills.

Pinus echinata Mill. Gard. Dict. ed. 8. n. 12. 1768; Matthew in Rec. Bot. Surv. India 20(1): 25. 1969.

A slender tall introduced tree with persistent cones, in hills.

Pinus insularis Endlicher, Syn. Conif. 157. 1847; Matthew in Rec. Bot. Surv. India 20(1): 24. 1969. *P. kasya* Royle ex Parl. in DC. Prodr. 16 (2): 390. 1868; Hook. f. Fl. Brit. India 5: 652. 1888.

A gregarious evergreen tree, naturalized in hill stations

Pinus palustris Mill. Gard. Dict. ed. 8. n. 14. 1768.

A tall introduced tree with twisted branches forming an irregular outline, cultivated in hills.

Pinus patula Schlecht. & Chamb. in Linnaea 6: 354. 1831.

An introduced tree, cultivated in hill stations.

Pinus pinaster Ait. Hort. Kew. ed. 1. 3: 367. 1789; Matthew in Rec. Bot. Surv. India 2(1): 26. 1969.

An evergreen tree, cultivated.

Pinus pinea L. Sp. Pl. 1000. 1753; Matthew in Rec. Bot. Surv. India 20(1): 26. 1969.

An introduced tree, cultivated in hill stations.

Pinus radiata D. Don in Trans. Linn. Soc. London 17: 442. 1837; Gamble, Fl. Pres. Madras 3: 975. 1957 (repr. ed.); Matthew in Rec. Bot. Surv. India 20(1): 23. 1969.

An evergreen tree, cultivated in hills.

Pinus roxburghii Sarg. in Silva N. Amer. 2: 9. 1897; Matthew in Rec. Bot. Surv. India 20(1): 25. 1969. *P. longifolia* Roxb. Fl. Ind. 3: 651. 1832, non Salisb. 1796; Hook. f. Fl. Brit. India 5: 652. 1888.

A large evergreen tree, cultivated.

Pinus sabiniana Dougl. in Trans. Linn. Soc. London 16: 749. 1833.

An introduced evergreen tree, cultivated in hills.

Pinus torreyana Parry ex Torr. in Bot. U.S. & Mex. Bound Surv. 210. tt. 58 & 59. 1858; Matthew in Rec. Bot. Surv. India 20(1): 22. 1969.

A cultivated evergreen tree with leaves in clusters of five.

Pinus wallichiana Jacks. in Kew Bull. 1938: 85. 1938; Matthew in Rec. Bot. Surv. India 20(1): 22. 1969. *P. excelsa* Wall. ex Lambert, Descr. Pinus 2: t. 3. 1824, non Lam. 1778; Hook. f. Fl. Brit. India 5: 651. 1888.

An elegant evergreen tree, cultivated in hills.

TAXODIACEAE

N.G. NAIR

Cryptomeria japonica (L.f.) D. Don in Trans. Linn. Soc. London 18: 167. t. 13(1). 1839; Fischer in Gamble, Fl. Pres. Madras 3: 975. 1957 (repr. ed.); Matthew in Rec. Bot. Surv. India 20(1): 27. 1969. *Cupressus japonica* L. f. Suppl. Pl. 421. 1781.

An evergreen tree, cultivated in hill stations.

Cunninghamia lanceolata (Lambert) Hook. in Bot. Mag. t. 2743. 1827;

Matthew in Rec. Bot. Surv. India 20(1): 28. 1969. *Pinus lanceolata* Lambert, Descr. Pinus 1: 52. 1803.

An evergreen tree with pyramidal crown, cultivated in hill stations.

Cunninghamia sinensis R. Br. in Rich. Comm. Bot. Conif. Cycad. 80. t. 18. f. 3. 1826.

An introduced evergreen tree, under cultivation in hills.

Sequoia sempervirens (Lambert) Endlicher, Syn. Conif. 198. 1847; Matthew in Rec. Bot. Surv. India 20(1): 27. 1969. *Taxodium sempervirens* Lambert, Descr. Pinus 1: 114. 1803.

An introduced evergreen tree, cultivated in hills stations.

Taxodium distichum (L.) Rich. in Ann. Mus. Hist. Nat. 16: 298. 1810. *Cupressus disticha* L. Sp. Pl. 1003. 1753.

A tall deciduous tree, cultivated in hills.

CUPRESSACEAE

N. G. NAIR

Callitris oblonga Rich. Comm. Bot. Conif. Cycad. 49. t. 18. f. 2. 1827; Matthew in Rec. Bot. Surv. India 20(1): 31. 1969.

An evergreen tree with glaucous foliage, cultivated in hills.

Callitris rhomboidea R. Br. ex Rich. Comm. Bot. Conif. Cycad. 47. t. 18. 1826; Fischer in Gamble, Fl. Pres. Madras 3: 975. 1957 (repr. ed.); Matthew in Rec. Bot. Surv. India 20(1): 31. 1969.

An evergreen tree, under cultivation in hill stations.

Chamaecyparis lawsoniana (A. Murr.) Parl. in Ann. Mus. Imp. Fis. Firenze 1: 181. 1865; Matthew in Rec. Bot. Surv. India 20(1): 30. 1969. *Cupressus lawsoniana*

A. Murr. in Edinburgh New Philos. J. 1: 292. t. 9. 1855.

An ornamental tree, cultivated in gardens.

Cupressus arizonica Greene in Bull. Torrey Bot. Club 9: 64. 1882; Matthew in Rec. Bot. Surv. India 20(1): 35. 1969.

An evergreen tree with clusters of pistillate cones having protruding scale processes; cultivated in hill stations.

Cupressus corneyana Knight & Perry ex Carriere, Traite Gen. Conif. 128. 1855; Long in Notes Roy. Bot. Gard. Edinburgh 38: 313. 1980. *C. funebris* auct. non Endlicher 1847; Hook. f. Fl. Brit. India 5: 645. 1888; Matthew in Rec. Bot. Surv. India 20(1): 34. 1969.

An evergreen tree with small cones, under cultivation in hill stations.

Cupressus glauca Lam. Encycl. 2: 243. 1786.

An evergreen tree, under cultivation in hills.

Cupressus goveniana Gord. in J. Hort. Soc. London 4: 295. 1849; Matthew in Rec. Bot. Surv. India 20(1): 36. 1969.

An evergreen ornamental tree, under cultivation in hills.

Cupressus lawsoniana A. Murr. in Edinburgh New Philos. J. 1: 292. t. 9. 1855.

An evergreen tree under cultivation in hills.

Cupressus lusitanica Mill. Gard. Dict. ed. 8. n. 3. 1768; Hook. f. Fl. Brit. India 5: 645. 1888; Matthew in Rec. Bot. Surv. India 20(1): 35. 1969.

An evergreen tree with pendulous branches and glaucous young cones, cultivated in hill stations.

Cupressus lindleyi Klotz ex Endlicher, Syn. Conif. 59. 1847.

An evergreen tree, under cultivation.

Cupressus macrocarpa Hartw. ex Gord. in J. Hort. Soc. London 4: 296. 1849; Matthew in Rec. Bot. Surv. India 20(1): 34. 1969.

An evergreen tree with horizontal branches and large cones; cultivated in hill stations.

Cupressus obtusa K. Koch in Dendrologie 2(2): 168. 1873.

An introduced tree with buttressed base, under cultivation.

Cupressus sempervirens L. Sp. Pl. 1002. 1753; Hook. f. Fl. Brit. India 5: 645. 1885; Matthew in Rec. Bot. Surv. India 20(1): 33. 1969.

An evergreen tree with large cones, cultivated in hills.

Cupressus torulosa D. Don in Lambert, Descr. Pinus 2: 18. 1824 & Prodr. Fl. Nep. 55. 1825; Hook. f. Fl. Brit. India 5: 645. 1885; Matthew in Rec. Bot. Surv. India 20(1): 33. 1969.

An evergreen tree with upward pointing branch apices and curved whip like branchlets; cultivated in hill stations.

Juniperus bermudiana L. Sp. Pl. 1039. 1753.

An introduced tree with thick girth, often under cultivation in hills.

Juniperus pachyphlaea Torr. in Pacif. Rail. Rep. 4: 142. 1857.

An introduced tree with angular branchlets; cultivated in hills.

Juniperus procera Hochst. ex Endlicher, Syn. Conif. 26. 1847.

A large tree with straight trunks, under cultivation in hills.

Juniperus virginiana L. Sp. Pl. 1039. 1753.

A tall tree with conspicuous pyramidal head of spreading branches, often cultivated.

Libocedrus decurrens Torr. in Smithsonian Contr. Knowl. 6(1): 7. 1854; Matthew in Rec. Bot. Surv. India 20(1): 30. 1969.

A small evergreen alien tree with flattened branchlets, cultivated in hills.

Thuja japonica Maxim. in Bull. Acad. Imp. Sci. Saint-Petersbourg 10: 490. 1866.

An introduced small tree, under cultivation.

Thuja orientalis L. Sp. Pl. 1002. 1753; Matthew in Rec. Bot. Surv. India 20(1): 29. 1969.

An evergreen pyramidal shrub, grown in gardens.

Widdringtonia juniperoides (L.) Endlicher, Syn. Conif. 32. 1847; Matthew in Rec. Bot. Surv. India 20(1): 32. 1969. *Cupressus juniperoides* L. Sp. Pl. ed. 2. 2: 1422. 1763.

An evergreen widely branched alien tree with glaucous young leaves and yellowish catkins; cultivated in hills.

Widdringtonia whytei Rendle in Trans. Linn. Soc. London Bot. ser. 2. 4: 60. 1894.

An introduced tree in hills.

GNETACEAE

M. CHANDRABOSE

Gnetum contractum Markgr. in Bull. Jard. Bot. Buitenzorg ser. 3. 10: 470.

1930; Fischer in Gamble, Fl. Pres. Madras 3: 1304. 1957 (repr. ed.). *G. scandens* auct. non Roxb. 1832; Hook. f. Fl. Brit. India 5: 642. 1888 p.p.; Fischer in Gamble, Fl. Pres. Madras 3: 974. 1957 (repr. ed.) p.p.

A robust liana, in ghats.

Distrib.: Nilgiri (Fischer 1957). R.

Gnetum ula Brongn. in Duperr. Voy. Bot. 12. 1829; Fischer in Gamble, Fl. Pres. Madras 3: 1304. 1957 (repr. ed.)

G. scandens auct. non Roxb. 1832; Hook. f. Fl. Brit. India 5: 642. 1888 p.p.; Fischer in Gamble, Fl. Pres. Madras 3: 974. 1957 (repr. ed.) p.p. *G. funiculare* Smith ex Wight, Ic. t. 1955. 1853, non Blume 1834.

Tamil: *Ana-pendu*.

A robust liana, in ghats.

Distrib.: Coimbatore (Fischer 1921), Madurai, Nilgiri, Salem, Tiruchchirappalli, Tirunelveli. E.

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