

## NOTES ON THE FLOWERING PLANTS OF MUTURAJAWELA

By

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The Muturajawela swamp lies between Colombo and the Negombo lagoon, stretching northwards from Wattala to a little beyond Ja-Ela. Its eastern boundary is roughly demarcated by the Wattala Ja-Ela trunk road. On the coastal side, the drive from Hendala to Pamunugama could be taken for its western limits, thus leaving between it and the sea a relatively high sand ridge.

The area is low lying and consists mainly of acid peaty deposits. There is a layer of "muck" overlying peat and sandy clay. It has a mean annual rainfall of about 90" and a temperature of about 80° F. There is no pronounced dry season.

On visits made during March, June, September and December 1962/63, the following plants were in flower. In this list, against each name, the name of the family according to J. Hutchinsons system of classification is given.

### Nymphaeaceae

1. NYMPHAEA STELLATA Willd., Sp. Pl 2: 1153, 1799; Trimen Handb. Fl. Ceylon 1: 50, 1893.

Sinhala: Manel.

In ditches in swamp. Fl. March.

### Anonaceae

2. ANONA GLABRA L., Sp. Pl. ed. 1, 537, 1753.

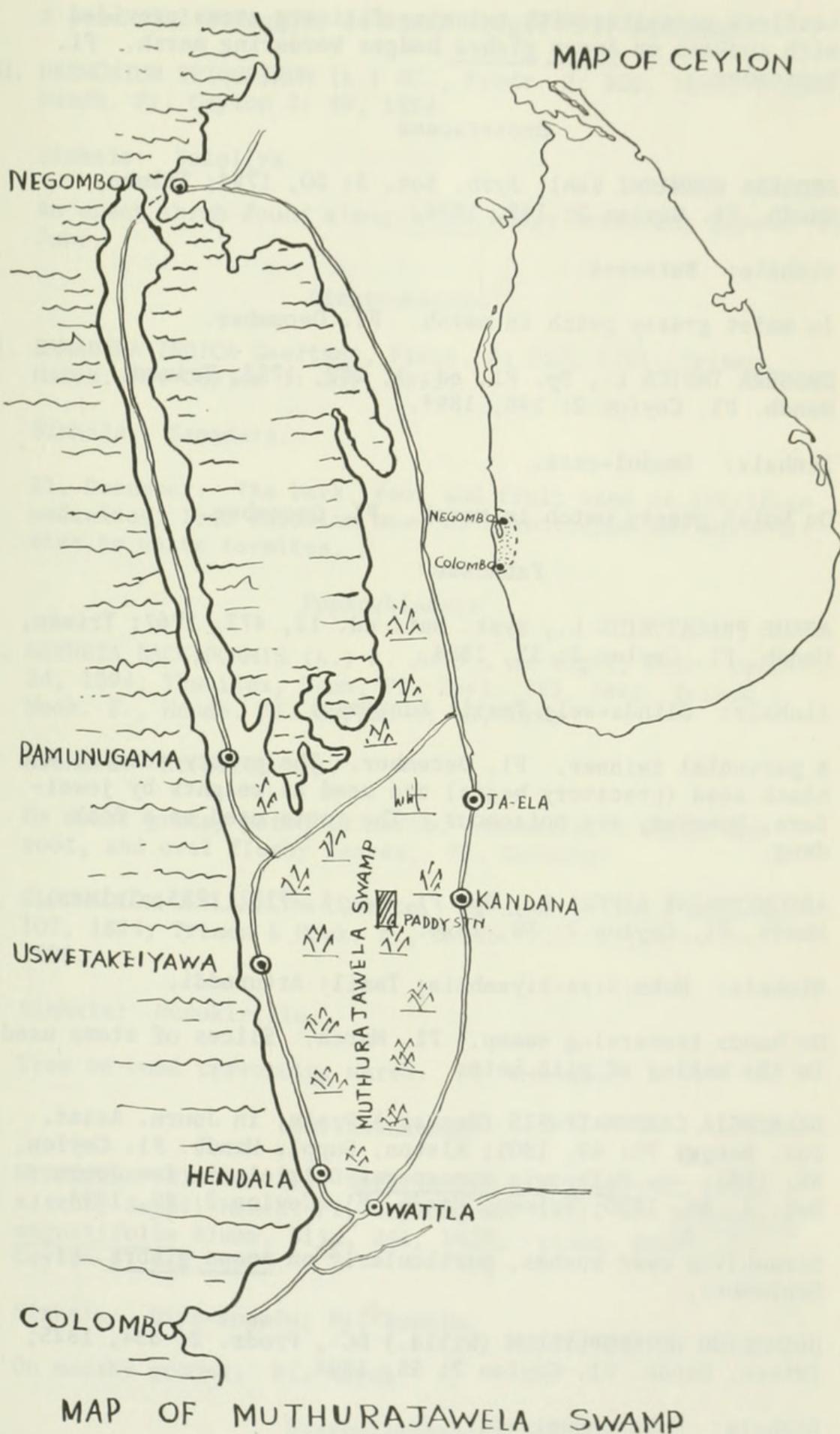
On earth fillings almost bordering water-filled marsh. This is the Alligator- or Monkey Apple of the West Indies.

### Lauraceae

3. CASSYTHA FILIFORMIS L., Sp. Pl. ed. 1, 35, 1753; Trimen, Handb. Fl. Ceylon 3: 455, 1895.

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Leafless parasites with twining filiform stems provided with suckers on Anona glabra hedges bordering marsh. Fl. September.

Droseraceae

4. DROSERA BURMANNI Vahl, Symb. Bot. 3: 50, 1794; Trimen, Handb. Fl. Ceylon 2: 145, 1894.

Sinhala: Wataessa.

In moist grassy patch in marsh. Fl. December.

5. DROSERA INDICA L., Sp. Pl. ed. 1, 282, 1753; Trimen, Handb. Fl. Ceylon 2: 146, 1894.

Sinhala: Kandul-essa.

On moist grassy patch in marsh. Fl. December.

Fabaceae

6. ABRUS PRECATORIUS L., Syst. Nat. ed. 12, 472, 1767; Trimen, Handb. Fl. Ceylon 2: 57, 1894.

Sinhala: Olinda-wel; Tamil: Kuntomani.

A perennial twinner. Fl. December. The pretty scarlet and black seed (precatory beans) are used as weights by jewelers, however, are poisonous. The roots used as a folk drug.

7. AESCHYNOMENE ASPERA L., Sp. Pl. ed. 1, 713, 1753; Trimen, Handb. Fl. Ceylon 2: 39, 1894.

Sinhala: Maha-diya-siyambala; Tamil: Attuneddi.

On bunds traversing swamp. Fl. March. Slices of stems used in the making of pith hats.

8. DALBERGIA CANDENATENSIS (Dennst.) Prain, in Journ. Asiat. Doc. Bengal 70: 49, 1901; Alston, Suppl. Handb. Fl. Ceylon, 86, 1931. --- Dalbergia monosperma Dalziel, in Kew Journ. Bot. 2: 36, 1850; Trimen, Handb. Fl. Ceylon 2: 89, 1894.

Scrambling over bushes, particularly on Anona glabra. Fl. September.

9. DESMODIUM HETEROPHYLLUM (Willd.) DC., Prodr. 2: 334, 1825; Trimen, Handb. Fl. Ceylon 2: 55, 1894.

Sinhala: Maha-undupiyali.

A perennial straggler on Anona hedge. Fl. December.

10. DESMOSIUM TRIQUETRUM (L.) DC., Prodr. 2: 326, 1825; Trimen, Handb. Fl. Ceylon 2: 49, 1894.

Sinhala: Baloliya.

An erect shrub found along Anona hedge bordering marsh. Fl. June.

#### Simaroubaceae

11. SAMADERA INDICA Gaertner, Fruct. 2: 352, 1791: Trimen, Handb. Fl. Ceylon 1: 231, 1893.

Sinhala: Samadara.

Fl. December. The bark, root and fruit used as febrifuge medicines; leaf infusion used as insecticide and destructive to white termites.

#### Euphorbiaceae

12. AGYNEIA BACCIFORMIS (L.) A. Juss., ex Wight, Tent. Euphorb. 24, 1894; Thwaites, Enum. Pl. Zeyl. 283, 1861; Trimen & Hook. f., Handb. Fl. Ceylon 4: 15, 1898.

Sinhala: Et-pilawakka.

On moist grassy patch in marsh. Annual with large tap root, and oval fleshy leaves. Fl. December.

13. GLOCHIDION ZEYLANICUM (Gaertn.) A. Juss., Tent. Euphorb. 107, 1824; Trimen & Hook. f., Handb. Fl. Ceylon 4: 28, 1898.

Sinhala: Hunukirilla.

Tree on bund traversing marsh. Fl. December.

#### Balsaminaceae

14. HYDROCERA TRIFLORA (L.) Wight & Arn., Prodr. 140, 1834; Alston, Suppl. Handb. Fl. Ceylon, 36, 1931. --- Hydrocera angustifolia Blume, Bijd. 241, 1825; Trimen, Handb. Fl. Ceylon 1: 212, 1893.

Sinhala: Diya-kudalu; Wal-kudalu.

On marshy ground. Fl. March.

#### Sterculiaceae

15. MELOCHIA CORCHORIFOLIA L., Sp. Pl. ed. 1, 675, 1753; Trimen, Handb. Fl. Ceylon 1: 170, 1893.

Sinhala: Gal-kura.

A branched herb on waste ground. Fl. June.

Dilleniaceae

16. WORMIA TRIQUETRA Rottboell in Nov. Act. Hafn. 2: 532, 1783; Trimen, Handb. Fl. Ceylon 1: 11, 1893.

Sinhala: Diya-para.

A small tree on damp ground. Fl. December.

Myrtaceae

17. SYZYGIUM CARYOPHYLLATUM (L.) Alston, Suppl. Handb. Fl. Ceylon, 116, 1931. --- Eugenia corymbosa Lamarck, Encycl. Meth. 3: 199, 1789; Trimen, Handb. Fl. Ceylon 2: 174, 1894.

On new earth fillings bordering marsh. Fl. March.

Melastomataceae

18. MALASTOMA MALABATHRICUM L., Sp. Pl. ed. 1, 390, 1753: Trimen, Handb. Fl. Ceylon 2: 199, 1894.

Sinhala: Maha-bowitiya.

On new earth fillings bordering marsh. Fl. March.

Onagraceae

19. LUDWIGIA ADSCENDENS (L.) Hara, in Journ. Jap. Bot. 28: 290, 1953; Raven, in Reinwardtia 6: 387, 1963. --- Jussiaea repens L., Sp. ed. 1, 388, 1753; Trimen, Handb. Fl. Ceylon 2: 233, 1894.

Sinhala: Beru-diyanilla.

In marsh, prostrate and floating on water with white pneumatophores at nodes and from roots. Fl. September.

Symplocaceae

20. SYMPLOCOS LOHA Buch.-Hamilton ex D. Don, Prodr. Fl. Nepal, 144, 1802-3; Abeywickrama, in Ceylon Journ. Sci. (Biol. Sci.), 2: 209, 1959. --- Symplocos spicata Roxb. (Hort. Beng. 40, 1814. Nomen nudum), Fl. Ind. 3: 541, 1832; Trimen, Handb. Fl. Ceylon 3: 104, 1895.

Sinhala: Bombu; Wal-bombu.

F1. March. Decoration of the bark is used as an external application, and the leaves afford a dye.

#### Apocynaceae

21. PARSONSIA LAEVIGARA (Moon) Alston, in Ann. Perad. 11: 203, 1927; Abeywickrama, in Ceylon Journ. Sci. (Biol. Sci.), 2: 212, 1959. --- Parsonsia spiralis Wallich, (Cat. n. 1631, 1828, nomen nudum) ex A. DC., Prodr. 8: 402, 1844; Trimen, Handb. Fl. Ceylon 3: 134, 1895.

Sinhala: Valanguna.

Twining on Anona glabra. F1. September.

#### Centianaceae

22. NYMPHOIDES AURANTIACA (Dalziel) O. Kuntze, Rev. Gen. Pl. 429, 1891; Abeywickrama, in Ceylon Journ. Sci. (Biol. Sci.) 2: 211, 1959. --- Limnanthemum aurantiacum Dalziel, in Kew Journ. 2: 136, 1850; Trimen, Handb. Fl. Ceylon 3: 190, 1895.

In marsh. F1. March.

23. NYMPHOIDES INDICA (L.) O. Kuntze, Rev. Gen. Pl. 429, 1891; Abeywickrama, in Ceylon Journ. Sci. (Biol. Sci.) 2: 211, 1959. --- Limnanthemum indicum (L.) Thwaites, Enum. Pl. Zeyl. 205, 1861; Trimen, Handb. Fl. Ceylon 3: 188, 1895.

In marsh. F1. March.

#### Asclepiadaceae

24. TYLOPHORA TENUISSIMA (Roxb.) Wight & Arnott, in Wight, Contrib. Bot. Ind. 49, 1834; Alston, Suppl. Handb. Fl. Ceylon, 195, 1931. --- Tylophora tenuis Blume, Bijdr. 1062, 1826; Trimen, Handb. Fl. Ceylon 3: 158, 1895.

Twining on Anona glabra. F1. December.

#### Convolvulaceae

25. ANISEIA MARTINICENSIS (Jacq.) Choisy, Conv. Rar. 144, 1838; Abeywickrama, in Ceylon Journ. Sci. (Biol. Sci.) 2: 214, 1959. --- Ipomoea uniflora Roem. & Schult., Syst. 4: 247, 1819; Trimen, Handb. Fl. Ceylon 3: 215, 1895.

Sinhala: Poru-pala.

Twining on plants bordering marsh. F1. December.

## Verbenaceae

26. CLERODENDRON INFORTUNATUM L., Sp. Pl. ed. 1, 637, 1753; Trimen, Handb. Fl. Ceylon 3: 361, 1895.

Sinhala: Gas-pinna.

Fl. December.

## Scrophulariaceae

27. BACOPA MONNIERA (L.) Wettstein, in Engl. & Pr., Nat. Pflanzenf. 4: 77, 1891; Alston, Suppl. Handb. Fl. Ceylon 211, 1931. --- Herpestis monniera HBK, Nov. Gen. et Sp. Pl. 2: 366, 1817; Trimen, Handb. Fl. Ceylon 3: 246, 1895.

Sinhala: Lunuwila.

Growing both in the marsh and on the banks of the bunds traversing the swamp. Plant of some medicinal value as a mild purgative.

28. LIMNOPHILA CONFERTA Bentham, in DC., Prodr. 10: 387, 1846; Trimen, Handb. Fl. Ceylon 3: 243. 1895.

Sinhala: Amba-wila.

In marsh. Fl. March. Leaves bear a strong amphoraceous odour and taste, hence called "Kapuru" and chewed with betel.

29. LINDERNIA TENUIFOLIA (Colsm.) Alston, Suppl. Handb. Fl. Ceylon 214, 1931. --- Bonnaya tenuifolia Sprengel, Syst. 1: 42, 1825; Trimen, Handb. Fl. Ceylon 3: 254, 1895.

On damp grassy patch adjoining marsh. Fl. December.

## Rubiaceae

30. MORINDA CITRIFOLIA L., Sp. Pl. ed. 1, 176, 1753; Trimen, Handb. Fl. Ceylon 2: 354, 1894.

Sinhala: Ahu.

A small tree growing on Anona hedge. Fl. September. The root bark affords a red dye.

31. MAUCIEA ORIENTALIS L., Sp. Pl. 95, 1753; Alston, Suppl. Handb. Fl. Ceylon 140, 1931. --- Sarcocephalus cordatus Miquel, Fl. Ind. Batav. 2: 133, 1856; Trimen, Handb. Fl. Ceylon 2: 292, 1894.

Sinhala: Kana-bakmi; Tamil: Vammi.

F1. June.

Acanthaceae

32. HYGROPHILA SALICIFOLIA (Vahl) Nees, in Wall. Pl. As. Rar. 3: 81, 1832; Trimen, Handb. Fl. Ceylon 3: 298, 1895.

On moist banks of bunds almost bordering the water level in the marsh. F1. March.

Compositae

33. WEDELIA CHINENSIS (Osbeck) Merrill in Philipp. Journ. Sci. (Bot.) 12: 111, 1917; Abeywickrama, in Ceylon Journ. Sci. (Biol. Sci.) 2: 237, 1959. --- *Wedelia calendulacea* Less., Syn. Comp. 222, 1832; Trimen, Handb. Fl. Ceylon 3: 38, 1859.

Sinhala: Ran-wan-kikirindi.

On damp grassy banks of bunds traversing the marsh, growing almost bordering the water level. F1. March.

Aponogetonaceae

34. APONOGETON CRISPUM Thunberg, Nov. Gen. 73, 1784; Trimen & Hook. f., Handb. Fl. Ceylon 4: 372, 1898.

Sinhala: Kekatiya.

Plants submerged with solitary spike above water level. F1. March. Tuber eaten in time of famine.

Gramineae

35. ARUNDINELLA LEPTOCHLOA (Nees ex Steud.) Hook. f., Fl. Brit. Ind. 7: 76, 1896; Seneratna, in Peradeniya Manual 8: 100, 1956.

Along Anona hedges bordering marsh. F1. December.

36. DIMERIA LEHMENNI (Nees) Hackel, in DC., Monogr. Phaner. 6: 82, 1889; Seneratna, in Peradeniya Manual 8: 164, 1956.

On grassy patch bordering the road. F1. June.

37. ISCHAEMUM ARISTATUM L., Sp. Pl. 1049, 1753; Seneratna, in Peradeniya Manual 8: 176, 1956. --- *Ischaemum ciliare* Retzius, Obs. Bot. 4: 36, 1791; Trimen & Hook. f., Handb. Fl. Ceylon 5: 216, 1900.

Sinhala: Rat-tana.

A common pasture grass on bunds traversing swamp. Fl. March.

38. *ISCHAEMUM MUTICUM* L., Sp. Pl. 1049, 1753; Trimen & Hook. f., Handb. Fl. Ceylon 5: 215, 1900; Seneratna, in Peradeniya Manual 8: 176, 1956.

Sinhala: Bada-mal-tana.

On bund traversing swamp. Fl. June. Used as a soil binder as well as a fodder grass.

39. *ORYZA PERENNIS* Moench., Meth. Pl. 197, 1794; Seneratna, in Peradeniya Manual 8: 36, 1956. --- *Oryza sativa* L., as mis-applied by Trimen & Hooker f., Handb. Fl. Ceylon 5: 182, 1900.

Sinhala: Uruvi; Tamil: Pandi-nel.

In swamp as a weed on marshy paddy fields. Fl. December. Eaten by cattle.

40. *SACCIOLEPIS INDICA* (L.) Chase, in Proc. Biol. Soc. Washington 21: 8, 1908; Alston, Suppl. Handb. Fl. Ceylon, 319, 1931; Seneratna, in Peradeniya Manual 8: 121, 1956. --- *Panicum indicum* L., Mant. 2: 184, 1771; Trimen & Hook. f., Handb. Fl. Ceylon 5: 147, 1900.

On grassy bank bordering swamp; gregarious habit. Fl. June.

41. *ZOYSIA MATRELLA* (L.) Merrill, Philip. Journ. Sci., Bot., 7: 230, 1912; Alston, Suppl. Handb. Fl. Ceylon 329, 1931. --- *Zoysia pungens* Willd., in Ges. Naturf. Fr. Berlin, N. Schr. 3: 441, 1801; Trimen & Hook. f., Handb. Fl. Ceylon 5: 188, 1900.

On road banks acting as a good sand binder. Fl. September.

### Cyperaceae

42. *CYPERUS HASPAN* L., Sp. Pl. ed. 1, 45, 1753; Trimen & Hook. f., Handb. Fl. Ceylon 5: 26, 1900.

Sinhala: Halpan.

In marsh. Fl. March.

43. *CYPERUS PLATYPHYLLUS* Roemer & Schultes, Syst. 2: 876, 1817; Trimen & Hook. f., Handb. Fl. Ceylon 5: 38, 1900.

In marsh with its rootstock under water. Fl. March.

44. CYPERUS POLYSTACHYOS Rottboell, Descr. & Icon. 39, 1773; Trimen & Hook. f., Handb. Fl. Ceylon 5: 20, 1900. --- *Pycreus polystachyos* P. Beauvois, Fl. Owar. 2: 48, t. 86, 1807; Alston, Suppl. Handb. Fl. Ceylon 307, 1931.

In marsh. Fl. March.

45. DIPLACRUM CARICINUM R. Brown, Prodr. Fl. Nov. Hol. 241, 1810; Trimen & Hook. f., Handb. Fl. Ceylon 5: 101, 1900.

A small tufted glabrous annual on moist grassy patches in marsh. Fl. September.

46. ELEOCHARIS DULCIS (Burm. f.) Henschel, Vita Rumph. 186, 1833; T. Koyama, in Contrib. Inst. Bot. Univ. Montreal 70: 35, 19, 1957. --- *Eleocharis equisetina* Presl, Rel. Haenk. 1: 195, 1830; Trimen & Hook. f., Handb. Fl. Ceylon 5: 69, 1900.

Fl. March.

47. ELEOCHARIS SPIRALIS (Rottb.) Roem. & Schult., Syst. Veg. 2: 155, 1817; Trimen & Hook. f., Handb. Fl. Ceylon 5: 70, 1900.

Shallow water in marsh. Fl. March.

48. FIMBRISTYLIS ACUMINATA Vahl, Enum. Pl. 2: 285, 1806; Trimen & Hook. f., Handb. Fl. Ceylon 5: 48, 1900.

On bunds traversing swamp. Fl. March.

49. FIMBRISTYLIS CINNAMOMETORUM (Vahl) Kunth, Enum. Pl. 2: 229, 1837; Trimen & Hook. f., Handb. Fl. Ceylon 5: 61, 1900. --- *Abildaardia cinnamometorum* (Vahl) Thwaites, Enum. Pl. Zeyl. 347, 1864; Abeywickrama, in Ceylon Journ. Sci. (Biol. Sci.) 2: 135, 1959.

In marsh almost bordering water level. Fl. September.

50. FIMBRISTYLIS DICHOTOMA (L.) Vahl, Enum. Pl. 2: 287, 1806; Abeywickrama, in Ceylon Journ. Sci. (Biol. Sci.) 2: 134, 1959. --- *Fimbristylis annua* (Ait.) Roem. & Schult., Syst. 2: 95, 1817; Alston, Suppl. Handb. Fl. Ceylon 309, 1931. --- *Fimbristylis diphylla* (Retz.) Vahl, Enum. Pl. 2: 289, 1806; Trimen & Hook. f., Handb. Fl. Ceylon 5: 53, 1900.

In marsh.

51. FUIRENA UMBELLATA Rottboell, Descr. & Icon. Pl. 70, t. 19, f. 3, 1773; Trimen & Hook. f., Handb. Fl. Ceylon 5: 80, 1900.

In marsh. Fl. March.

52. LEPIRONIA ARTICULATA (Retzius) Domin, Bibliothec. Bot. 85: 486, 1915; Alston, Suppl. Handb. Fl. Ceylon 311, 1931. --- Lepironia mucronata Rich., in Persoon, Syn. 1: 70, 1805; Trimen & Hook. f., Handb. Fl. Ceylon 5: 88, 1900.

Sinhala: Etapan.

In marsh, normally in brackish swamp. Fl. March. Culm used for making a rough sac called Ampera.

53. RHYNCHOSPORA CORYMBOSA (L.) Britton, in Trans. N.Y. Acad. Sci. 11: 86, 1892; Alston, Suppl. Handb. Fl. Ceylon 311, 1931. --- Rhynchospora aurea Vahl, Enum. Pl. 2: 229, 1806; Trimen & Hook. f., Handb. Fl. Ceylon 5: 82, 1900.

In marsh. Fl. June.

54. RHYNCHOSPORA RUBRA (Lour.) Makino, in Bot. Mag. Tokyo 18: 180, 1903; Alston, Suppl. Handb. Fl. Ceylon 311, 1931. --- Rhynchospora wallichiana Kunth, Enum. Pl. 2: 289, 1837; Trimen & Hook. f., Handb. Fl. Ceylon 5: 83, 1900.

55. SCLERIA POAEFORMIS Retzius, Obs. Bot. 4: 13, 1786; Abeywickrama, in Ceylon Journ. Sci. (Biol. Sci.) 2: 137, 1959. --- Scleria oryzoides Presl, Rel. Haenk. 1: 201, 1830; Trimen & Hook. f., Handb. Fl. Ceylon 5: 99, 1900.

Sinhala: Potu-pan; Potu-kola.

In marsh. Fl. March.

56. SCLERIA SUMATRENSIS Retz., Obs. Bot. 5: 19, 1789; Trimen & Hook. f., Handb. Fl. Ceylon 5: 96, 1900.

Fl. September.

57. SCLERIA TESSELLATA Willd., Sp. Pl. 4: 315, 1805; Trimen & Hook. f., Handb. Fl. Ceylon 5: 98, 1900.

In marsh. Fl. March.

#### Flagellariaceae

58. HANGUANA MALAYANA (Jacq.) Merrill, in Philip, Journ. Sci., Bot., 10: 3, 1915; Abeywickrama, in Ceylon Journ. Sci. (Biol. Sci.) 2: 140, 1959. --- Susum anthelminticum Blume, in Schultes f., Syst. 8: 1493, 1830; Trimen & Hook. f., Handb. Fl. Ceylon 4: 317. 1898.

Sinhala: Induru.

In marsh; the long flagelliform shoots floating on water.  
Fl. March.

Xyridaceae

59. XYRIS INDICA L., Sp. Pl. 42, 1753; Trimen & Hook. f., Handb. Fl. Ceylon 4: 297, 1898.

Sinhala: Ran-mota.

In marsh. Fl. December.

Eriocaulaceae

60. ERIOCAULON SEXANGULARE L., Sp. pl. 87, 1753; Trimen & Hook. f., Handb. Fl. Ceylon 5: 5, 1900.

Sinhala: Kokmota.

In marsh. Fl. in March.

Commelinaceae

61. MURDANNIA GIGANTEA (Vahl) Brueckner, in Engl. & Pr., Nat. Pflanzenf. 2 Aufl., 15: 173, 1930; Abeywickrama, in Ceylon Journ. Sci. (Biol. Sci.) 2: 141, 1959. --- Aneilema giganteum R. Br., Prodr. Fl. Nov. Hol. 271, 1810; Trimen & Hook. f., Handb. Fl. Ceylon 4: 308, 1898.

In marsh. Fl. March.

62. MURDANNIA VAGINATA (L.) Brueckner, l. c.; Abeywickrama, in Ceylon Journ. Sci. (Biol. Sci.) 2: 141, 1959. --- Aneilema vaginatum R. Br., Prodr. Fl. Nov. Hol. 271, 1810; Thwaites, Enum. Pl. Zeyl. 322, 1864; Trimen & Hook. f., Handb. Fl. Ceylon 4: 309, 1898.

On moist grassy patch. Fl. June.

Liliaceae

63. ASPARAGUS FALCATUM L., Sp. Pl. 313, 1753; Trimen & Hook. f., Handb. Fl. Ceylon 4: 285, 1898.

Sinhala: Hatawariya.

On new earth fillings bordering marsh. Fl. March. Tuberous roots used as a folk medicine.

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