

A CONTRIBUTION TO THE FLORA OF KATCHAL ISLAND, IN ANDAMAN AND NICOBARS

PARITOSH CHAKRABORTY

Botanical Survey of India, Port Blair

ABSTRACT

The present paper resulting out of intensive survey of Katchal Island during the years 1974 to 1977, enumerates 340 species of Angiosperms, Ferns and Gymnosperms which were not recorded earlier from this island and collected by the author. The critical study of the species yielded many interesting species of which 8 species are new records for India and 8 species are new records for Andaman and Nicobar Islands.

The Katchal island belongs to the Nicobar group of islands in Bay of Bengal situated in between Car Nicobar and Great Nicobar at $93^{\circ} 19'$ to $93^{\circ} 28'$ E longitudes and $7^{\circ} 52'$ to $8^{\circ} 01'$ N latitude. It is about 364 kms from Port Blair and about 128 kms from Great Nicobar. This island comprises of an area of 100 sq. kms and is of rugged, hilly terrain culminating in a small peak the Blue Hill in East Bay with an altitude of 193 m above m.s.l. The coast is uneven and indented at several places showing numerous bays and creeks. Among the streams there is only one flowing from east to northwards.

A perusal of the literature dealing with the flora of Andaman and Nicobar islands reveals that there had never been in the past any systematic investigation on the flora of Katchal, except that of Kurz. The first major contribution to the flora of Katchal island was by Kurz when he published his sketch on the vegetation of the entire Nicobar Islands including Katchal in J. As. Soc. Bengal 45 (3) : 105-164. 1876.

Geologically this island is characterised by the presence of alluvial deposits and plutonic rocks. Polycystine clay covers the greater part of this island. According to

H. Rink of the Danish expedition, the Nicobar islands belong to the tertiary age.

The soil of Katchal is sandy loam to clayey loam and is suitable for Rubber plantation. Vast areas of virgin forests near Mildera have been cleared for the plantation of Rubber.

The island enjoys a warm, tropical humid climate throughout the year. There is not much variation of temperature which ranges from 25° - 30° C. The average rainfall amount to 290 cm per year. Rainfall data for the years 1969 to 1975 are given below.

VEGETATION AND FLORISTIC COMPOSITION

The vegetation of Katchal island can broadly be classified into

- (i) Mangrove forests
- (ii) Beach forests
- (iii) Littoral forests
- (iv) Inland evergreen forests.

The floristic elements that constitute the different types of vegetation are briefly described below:

(i) *Mangrove forests*: The coast line of Katchal, viz. West Bay and East Bay is very irregular thereby giving rise to a number of tidal creeks. These creeks and bays extend to very large areas. The mangroves develop well in areas which are inundated by saline water during high tides.

RAINFALL RECORDED AT KOOPINGA, NORTH KATCHAL
(FROM ANDAMAN-NICOBAR ADMINISTRATION, PORT BLAIR)

Rainfall recorded during the years in M.M.														
Months	1969		1970		1971		1972		1973		1974		1975	
	Rainfall	No. of rainy days	Rainfall	No. of rainy days	Rainfall	No. of rainy days	Rainfall	No. of rainy days	Rainfall	No. of rainy days	Rainfall	No. of rainy days	Rainfall	No. of rainy days
January	171.20	8	224.0	8	82.50	12	34.00	4	18.00	2	92.25	5	236.75	8
February	42.80	5	7.00	2	98.80	11	0.00	0	8.25	2	133.25	11	88.00	4
March	20.80	3	22.50	6	35.20	4	1.00	1	37.00	5	100.25	4	20.50	2
April	46.30	7	58.00	6	126.00	7	192.00	18	19.00	2	478.00	20	121.50	9
May	237.40	15	305.00	19	401.20	22	231.40	8	544.00	21	234.75	20	146.00	20
June	331.80	21	331.00	23	266.60	15	150.00	17	539.00	22	234.00	17	481.75	20
July	167.50	15	299.00	19	136.00	13	265.75	19	169.50	12	206.50	17	100.00	9
August	352.50	18	297.00	26	224.60	12	266.00	18	182.50	10	324.00	22	391.00	26
September	332.50	17	253.00	16	410.40	17	484.00	24	269.00	14	433.00	17	351.00	21
October	187.00	17	416.00	21	484.40	21	256.50	17	147.75	16	246.00	17	591.75	30
November	459.00	20	471.00	22	309.40	13	421.00	17	409.75	12	602.00	15	606.50	21
December	199.00	13	245.00	22	378.00	19	191.25	9	607.00	21	108.00	9	159.75	11
	2547.80		2928.50		2953.10		2492.90		2950.75		3192.00		3294.50	

The mangroves are of gregarious type and cover a large area in W. Bay of Katchal and are largely composed of only a few species. The most important and dominant plants are *Rhizophora mucronata*, *Bruguiera gymnorhiza*, *Ceriops tagal*, *Excoecaria agallocha* and *Nypa fruticans*.

(ii) *Beach forests*: Plants growing along the beach constitute the beach forests. The noteworthy feature of this forest is the variety of trees, shrubs and climbers. In the shady beach, found all along the coast, the foreground is covered by *Ipomaea pes-caprae* and *Cassytha filiformis*. Behind this dense growth of *Scaevola taccada*, *Ximenia americana*, *Crinum asiaticum*, *Caesalpinia bonducella* and *Desmodium umbellatum* are found. The tree layer is composed of *Barringtonia asiatica*, *Pongamia pinnata*, *Calophyllum inophyllum*, *Thespesia populnea* and *Heritiera littoralis*. The trees are heavily laden with epiphytes. The principal species are *Drynaria quercifolia*, *Antrophyum callifolium*, *Pyrosia adnascens*, *Dendrobium anceps* and *Pholidota imbricata*.

(iii) *Littoral forests*: The littoral forests lie behind the beach forest and stretch for some distance into the interior. During the tides the forest floor is inundated with sea water. *Areca catechu* and *Calamus* spp. are the dominant species of tidal forests. Among the notable tree species the following deserve special mention namely *Gnetum gnemon*, *Ochrosia borbonica*, *Ardisia solanaceae*, *Tabernaemontana crispa* and *Baccaurea javanica*.

(iv) *Tropical evergreen forests*: The high temperature, heavy rainfall and virgin soil are the chief factors responsible for luxuriant growth of evergreen forests. The forests are characterised by dense vegetation with a variety of trees, shrubs and climbers. The dominant trees in the evergreen forests are *Codiocarpus andamanica*, *Hemicyclia sumatrana*, *Myristica glaucescens*, *Horsfieldia glabra*, *Myristica irya*, *Buchanania acumin-*

ata, *Dacryodes rugosa*, *Linociera ramiflora*, etc.

The present survey conducted during the years 1974 to 1977 has yielded a total number of 340 species which include angiosperms, gymnosperms and ferns. All these species which have been reported by Kurz from Katchal have been deleted.

The plants have been carefully identified with the help of authentic specimens housed in the Central National Herbarium and the literature available in Botanical Survey of India, Port Blair. The following data are given for each species—locality, altitude, date of collection, in flower or fruit, field No. and points of interest if any. The species under each family are arranged in alphabetical order. New records of species are marked with an asterisk. The specimens are deposited in Andaman and Nicobar Circle herbarium of Botanical Survey of India at Port Blair (PBL). The author himself is the collector of all specimens cited in this paper and hence only the field number is given under each species.

ENUMERATION

PSILOTACEAE

Psilotum complanatum Sw.

Kadao village, W. Bay, inland forests, epiphytic, 17 Feb. 1977, 5252.

P. nudum (L.) Beauv.

Kapanga, epiphyte on coconut trees, 2 Nov. 1976, 4613.

LYCOPODIACEAE

Lycopodium carinatum Desv.

W. Bay, tidal forests, epiphytic, 15 Feb. 1977, 5217.

OPHIOGLOSSACEAE

Ophioglossum pendulum L.

Kadao village, W. Bay, subtidal forests, epiphytic, 17 Feb. 1977, 5251.

PARKERIACEAE

Ceratopteris thalictroides (L.) Brongn.

Mildera, in ditches, $\pm$ 30 m, 30 April 1977, 5570.

LYGODIACEAE

Lygodium circinnatum (Burm. f.) Sw.

Mildera, in open sunny places, $\pm$ 30 m, 29 April 1974, 1233.

PTERIDACEAE

Microlepia speluncae (L.) Moore

Kapanga, in inland forests, behind marine store, sea level, 24 April 1974, 1210.

Pityrogramma calomelanos (L.) Link. [*Gymnogramma calomelanos* (L.) Kaulf.]

Jansin, roadsides, sea level, 23 Feb. 1977, 5291.

Pteris ensiformis Burm.

Jula, roadsides, $\pm$ 10 m, 14 Feb. 1977, 5218.

P. tripartita Sw.

Mildera, streamsides, $\pm$ 30 m, 24 Oct. 1975, 3115.

P. vittata L.

Jula, roadsides, $\pm$ 10 m, 23 Feb. 1977, 5297.

ADIANTACEAE

Acrostichum aureum L. f.

Mildera, in ditches, $\pm$ 30 m, 1 May 1977, 5575.

VITTARIACEAE

Antrophyum parvulum Bl.

Kadao village, W. Bay, inland forests, epiphyte, 17 Feb. 1977, 5260.

***Vittaria elongata** Sw. var. **angustifolia** Holtt.

Kapanga, shaded inland forests, epiphyte, 4 Nov. 1975, 4620.

A new record for India.

CYATHEACEAE

Cyathea albosetacea (Bedd.) Copel.

Kapanga, near police station, inland forest, $\pm$ 15 m, 5 May 1975, 2525.

LINDSAEACEAE

Lindsaea chienii Ching.

Kapanga, inland forests behind marine store, sea level, 25 April 1974, 1211.

L. heterophylla Dryand

Kapanga, inland forest behind marine store, sea level, 25 April 1974, 1212.

OLEANDRACEAE

Nephrolepis biserrata (Sw.) Schott.

Nirman Nagar, edges of inland forests, sea level, 14 Feb. 1977, 5216.

DAVALLIACEAE

Humata heterophylla (Sm.) Desv.

Kapanga, tidal forests, epiphytic, 2 Nov. 1976, 4603.

H. pectinata (Sm.) Desv. [*H. parallela* (Hook.) Brack.]

W. Bay, tidal forests, epiphytic, 10 June 1977, 6002.

BLECHNACEAE

Stenochlaena palustris (Burm.) Bedd.

Jansin, edges of forests, $\pm$ 10 m, 23 Feb. 1977, 5294.

HYMENOPHYLLACEAE

Cephalomanes javanicum (Bl.) v. d. Bosch. (*Trichomanes javanicum* Bl.)

Mildera, inland forests, $\pm$ 30 m, 3 May 1977, 5594.

Crepidomanes bilabiatum (Nees & Bl.) Copel. (*Trichomanes bilabiatum* Nees & Bl.)

Mildera, inland forests, $\pm$ sea level, epiphyte, 5 Nov. 1976, 4628.

ASPLENIACEAE

Asplenium polyodon Forst. (*A. falcatum* Lamk.)

Kapanga, inland forests, sea level, 2 Nov. 1976, 4607.

A. nitidum Sw.

Jula, inland forests, $\pm$ 20 m, 12 Nov. 1976, 4665.

GLEICHENIACEAE

Dicranopteris linearis (Burm. f.) Underw. [*Gleichenia linearis* (Burm. f.) Clarke]

Mildera, edges of forests, 5 Nov. 1976, 4629.

THELYPTERIDACEAE

Amphineuron opulentum (Kaulf.) Holtt.

W. Bay, inland forests, sea level, 14 Feb. 1977, 5215.

Christella parasitica (L.) Lev.

Kapanga, open places, sea level, 2 Nov. 1976, 4612.

C. subpubescens (Bl.) Holtt.

Kapanga, roadsides, sea level, 2 Nov. 1976, 4610.

POLYPODIACEAE

Drynaria quercifolia (L.) J. Sm.Jula in roadsides, epiphyte, ± 15 m, 21 Feb. 1977, 5281.**Phymatosorus scolopendria** (Burm. f.) Pich.-Ser. (*Phymatodes scolopendria* Burm. f.)
Nirman Nagar, Scrub forests, sea level, 14 May 1977, 2543.**Pyrrosia adnascens** (Sw.) Ching (*Polypodium adnascens* Sw.)

Near jetty, coastal forests, 21 April 1974, 1101.

GNETACEAE

Gnetum gnemon L.

Kadao village, W. Bay, edges of forests, scrub forests, 15 Feb. 1977, 5267.

G. latifolium Bl. var. **funiculare** (Bl.) Markgr.

Jula, edges of forests, sea level, 13 Aug. 1974, 2074.

G. latifolium Bl. var. **macropodum** (Bl.) Markgr.

Jula, edges of forests, roadsides, sea level, 12 Nov. 1976, 4671.

DILLENIACEAE

Dillenia scabrella (D. Don) Wall. (*D. pilosa* Ham.)Mildera, inland forests, ± 30 m, 25 April 1974, in fruit, 1197.

ANNONACEAE

Annona muricata L.

W. Bay, roadsides, sea level, 27 April, 1977, in flower, 5560.

A. squamosa L.

W. Bay, roadsides, sea level, 21 Aug. 1974, in flower, 2151.

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

Nirman Nagar, in open sunny place, sea level, 22 Aug. 1974, in fruit, 2166.

Phaeanthus andamanicus King

Kapanga, roadsides, sea level, 14 Aug. 1974, in flower, 2096.

Polyalthia parkinsonii HutchinsonNear oil palm, in roadsides, ± 15 m, 20 Dec. 1974, in flower, 2227.**P. simiarum** Benth. & Hook. f.

Nirman Nagar, inland forests, sea level, 11 May 1975, in flower, 2534.

Uvaria cordata G. Don

Kapanga, inland forests, sea level, 3 Nov. 1976, in flower, 4619.

U. rufa Bl.

Kapanga, inland forests, sea level, 4 Nov. 1976, in veg. 4622.

MENISPERMACEAE

Anamirta cocculus (L.) W. & A.

Kapanga, coastal veg., sea level, 10 June 1977, in veg. condition, 6014.

***Fibraurea chloroleuca** MiersMildera, inland forests, ± 30 m, 29 April 1974, in flower, 1231.

A new record for India.

Haematocarpus validus (Miers) Bakh. f.

Mildera, coastal, 24 April 1974, in fruit, 1185.

Pericampylus glaucus (Lamk.) Merr.

Kapanga, inland forests, sea level, 15 May 1975, in flower, 2547.

CAPPARACEAE

Crataeva religiosa Forst. f. (*Crataeva macrocarpa* Kurz)

E. Bay, Katchal, Coastal, 3 May 1975, in flower, 2502.

VIOLACEAE

Rinorea bengalensis (Wall.) Kuntze (*Alsodeia bengalensis* Wall.)

E. Bay, inland forests, 3 May 1975 in flower 2506.

***R. macrophylla** (Decne.) KuntzeMildera, ± 30 m., forest edges, in flowers & fruits, 12 Nov. 1976, 4659.

A new record for India.

***R. longiracemosa** (Kurz) Craib (*Alsodeia longiracemosa* Kurz)

Kapanga, in forest edges, 15 May 1975, in flower, 2548.

A new record for India.

FLACOURTIACEAE

Casearia fuliginosa Blanco

Jula, in forest edges, 14 Nov. 1976, in flower, 5206.

***Casearia tuberculata** Bl.

Jula, in forest edges, ± 15 m, 6 Nov. 1976, in flowers & fruits, 4635.

A new record for India.

Flacourtia jangomas (Lour.) Raùschel

Kapanga, roadside, ± 25 m, 20 Oct. 1975, in fruit, 2600.

F. rukam (L.) Zoll. & Merr.

Jansing, in forest edges, ± 10 m, 6 Nov. 1976, in flowers, 4634.

Ryparosa javanica (Bl.) Kurz ex K. & V.

Mildera, inland forests, ± 30 m, 24 April 1974, in flower, 1179.

CLUSIACEAE

Calophyllum spectabile Willd.

Kadao village, W. Bay, in scrub jungle, sea level, 26 April 1977, in flower, 5548.

Garcinia dulcis Kurz

Mildera, inland forests, ± 30 m, 17 Dec. 1974, in flower, 2202.

G. nervosa Miq. (*G. andersonii* Hook. f.)

Mildera, inland forests, ± 30 m, 4 May 1977, in fruit, 5595.

MALVACEAE

Sida acuta Burm. f.

Mildera, roadsides, ± 30 m, 25 April 1974, in flower, 1200.

BOMBACACEAE

Ceiba pentandra (L.) Gaertn. var. **indica** (DC.) Bakh.

Kadao village, cultivated, sea level, 18 Feb. 1977, in flowers, 5266.

STERCULIACEAE

Heritiera littoralis Dryand ex Ait.

Kapanga, coastal, 22 April 1974, in flower, 1152.

Melochia corchorifolia L.

Delhi village, W. Bay, in wastelands, 14 June 1977, in fruit, 6043.

Sterculia parviflora Roxb.

Mildera, in inland forests, ± 30 m, 25 April 1974, in fruit 1208.

S. rubiginosa Vent.

Nirman Nagar, inland forests, sea level, 14 Dec. 1974, in flower, 2189.

TILIACEAE

Berrya cordifolia (Willd.) Burret (*B. amomilla* Roxb.)

Kapanga, in forest edges, ± 30 m, 14 Aug. 1974, in fruits 5301.

Grewia calophylla Kurz

Mildera, in forest edges, ± 30 m, 14 Aug. 1974, in flowers, 2085.

ELAEOCARPACEAE

Elaeocarpus aristatus Roxb.

Kapanga, in roadsides, sea level, 17 July 1975, in fruit, 2554.

RUTACEAE

Atalantia monophylla Corr.

Kapanga, in roadsides, sea level, 22 April 1975, in fruit, 1153.

Citrus medica L.

Jula, in roadsides, ± 15 m, 21 Aug. 1974, in flower, 2140.

Euodia glabra Bl.

Kapanga, forest edges, sea level, 15 May 1975, in flower, 2546.

BURSERACEAE

***Dacryodes rugosa** (Bl.) H. J. Lam.

Mildera, inland forests, ± 30 m, 29 April 1974, in fruit, 1219.

A new record for India.

MELIACEAE

Amoora andamanica Hiern.

Kapanga in roadsides, sea level, 22 Aug. 1974, in flowers, 2161.

A. rohituka W. & A.

Kapanga, sea level, in roadsides, 20 Aug. 1974, in flowers, 2124.

Azadirachta indica A. Juss.

Jula, roadsides, ± 15 m, 21 Aug. 1974, in flowers, 2146.

Chisocheton grandiflorus Kurz

Mildera, inland forests, ± 30 m, 25 Oct. 1975, in flowers, 3126.

Dysoxylon arborescens Miq.

Nirman Nagar, inland forests, sea level, 14 Dec. 1974, 2182.

ICACINACEAE

Codiocarpus andamanica (Kurz) Howard (*Apodytes andamanica* Kurz, *Gomphandra andamanica* King).

E. Bay, coastal, 19 Dec. 1974, in flower, 2209.

Gomphandra comosa King

Kapanga, in inland forests, sea level, 19 Oct. 1975, 2586.

OPILIACEAE

Champeria griffithii Hook. f.

Nirman Nagar, inland forests, sea level, 15 Dec. 1974, in fruit, 2193.

HIPPOCRATEACEAE

Hippocratea andamanica King

Kapanga, on rock surface, sea level, 22 April 1974, in flower, 1158.

Salacia grandiflora Kurz

Kapanga, in inland forests, sea level, 4 Nov. 1976, in flower, 4621.

S. prinoides DC.

Nirman Nagar, in scrub jungle, sea level, 13 Aug. 1975, in fruit, 2538.

RHAMNACEAE

Ziziphus glabra Roxb.

W. Bay, roadsides, sea level, 21 Feb. 1977, in flowers, 5279.

VITACEAE

Ampelocissus heyneana (R. & S.) Planch.
(*Vitis heyneana* R. & S.; *V. lanata* Roxb.)

Jansin, roadsides, sea level, 25 June 1977, in veg. condition, 6068.

Cayratia japonica (Thunb.) Gagnep.

W. Bay, roadsides, sea level, 17 June 1977, in flower, 6046.

C. trifolia (L.) Domin.

W. Bay, Kadao village, roadside, sea level, 16 June 1977, in flower, 6018.

Cissus modesta (Miq.) Amsh.

Nirman Nagar, inland forests, sea level, in flower, 15 Dec. 1974, 2197.

C. repens Lamk.

Mildera, in forest edges, ± 30 m, 10 Aug. 1974, in flowers, 2026.

LEEACEAE

Leca grandifolia Kurz

Jansin, in roadsides, sea level, 15 Feb. 1977, in flower, 5231.

SAPINDACEAE

Allophylus cobbe Raeusch.

Mildera, forest edges, ± 30 m, 10 Aug. 1974, in flower, 2024.

Lepisanthes andamanica King

Near jetty, in coastal forests, 21 April 1974, in flower, 1112.

L. tetraphylla (Vahl) Radlk. (*Aphania montana* Bl.)

Kapanga, coastal, 22 April 1974, in fruit, 1161.

ANACARDIACEAE

Buchanania acuminata Turcz.

Kapanga, in roadsides, sea level, 14 Aug. 1974, in flower, 2098.

Lanea coromandelica (Houtt.) Merr.

Jula, in roadsides, ± 15 m, 4 May 1977, in fruit, 5604.

Semecarpus kurzii Engler

Kapanga, roadsides, sea level, 22 Aug. 1974, in fruit, 2158.

CONNARACEAE

Connarus paniculatus Roxb. (*C. gibbosus* Wall. ex Kurz)

Nirman Nagar, in inland forests, sea level, 14 Dec. 1974, in flower, 2174.

C. planchonianus Schellenb. (*Connarus gibbosus* Wall. ex. Kurz)

Nirman Nagar, in inland forests, sea level, 14 Feb. 1974, in flower, 2548.

Rourea minor Alston

Kadao village, in inland forests, 17 Feb. 1977, in fruit, 5254.

FABACEAE

Abrus precatorius L.

Jansin, roadsides, sea level, 19 Feb. 1977, in flowers & fruits, 5227.

Cajanus cajan (L.) Millsp. (*C. indicus* Spreng.)

Kadao village, W. Bay, sea level, cultivated, 27 May 1977, in fruit, 5553.

Canavalia maritima (Aubl.) Urb.

W. Bay, in scrub jungle, sea level, 23 April 1977, in fruit, 5524.

Centrosema pubescens Benth.

Mildera, in rubber plantation area, $\pm$ 30 m, 27 June 1977, in fruit, 6076.

Crotalaria mucronata Desv.

Kapanga, roadsides, sea level, 27 Feb. 1977, in flower, 5304.

Derris elegans Benth.

Hill near jetty, in inland forests, $\pm$ 30 m, 19 Dec. 1974, in flowers, 2216.

D. thyrsiflora Benth.

Kapanga, coastal, 22 April 1974, in flower, 1160.

D. trifoliata Lour. (*D. uliginosa* Benth.)

Jula, roadsides, $\pm$ 15 m, 27 Dec. 1974, in flower, 2238.

Flemingia strobilifera Ait.

Kapanga, roadsides, sea level, 22 April 1974, in flower, 1133.

Pongamia pinna'ta (L.) Pierre

E. Bay, coastal, 15 Nov. 1976, in fruit, 4678.

Vigna marina (Burm. f.) Merr.

E. Bay, coastal, sea level, 19 Dec. 1974, in flower, 2207.

CAESALPINIACEAE

Bauhinia variegata L.

Kapanga, roadsides, sea level, 14 Aug. 1974, in flower, 2097.

Cassia alata L.

W. Bay, sea level, 16 Feb. 1977, in flower, 5237.

C. occidentalis L.

Towards Kapanga, in littoral forests, 22 April 1974, in flower, 1146.

Caesalpinia crista L.

Kadao village, W. Bay, sea level, 17 Feb. 1977, in fruit, 5256.

C. pulcherrima (L.) Swartz.

Mildera, cultivated, $\pm$ 30 m, 11 Aug. 1974, in flower, 2044.

Cynometra ramiflora L. ssp. **bijuga** (Span.) Prain

Delhi village, W. Bay, sea level, 14 June 1977, in fruit, 6037.

Tamarindus indica L.

Marine to Kapanga, in coastal forests, 20 Aug. 1974, in flower, 2115.

MIMOSACEAE

Adenanthera pavonia L.

Nirman Nagar, in inland forests, sea level, 4 May 1977, in fruit, 5605.

Mimosa pudica L.

Kapanga, in secondary forest, sea level, 14 Aug. 1974, in flower & fruit, 5312.

Pithecellobium angulatum Benth.

Kapanga, in forest edges, sea level, 14 Aug. 1974, in flower, 2091.

P. clypearia (Jack.) Benth.

Near oil palm, in roadsides, $\pm$ 15 m, 1 May 1977, in fruit 5576.

P. ellipticum Hassk.

Kapanga, in forest edges, coastal, 14 Aug. 1974, in flower, 2086.

Samanea saman (Jacq.) Merr.

Kadao village, W. Bay, sea level, 2 May 1977, in flower, 5586.

ROSACEAE

Rubus moluccanus L.

Kapanga, in forest edges, sea level, 21 Oct. 1975, in flower & fruit 3104.

RHIZOPHORACEAE

Carallia brachiata (Lour.) Merr.

Mildera, near stream sides, $\pm$ 30 m, 24 Oct. 1975, in flower & fruit, 3114.

MYRTACEAE

Eugenia acuminatissima Kurz

Kapanga, inland forests, sea level, 4 Nov. 1975, in flower, 4626.

Psidium guajava L.

Kapanga, cultivated, 19 June 1977, in fruit, 6055.

Syzygium samarengense (Bl.) Merr. & Perry.

Jansin, in forest edges, $\pm$ 10 m, 17 Aug. 1975, in flower, 2562.

LECYTHIDACEAE

Chydenanthus excelsus (Bl.) Miers.

Kapanga, coastal, 14 Aug. 1974, in fruit, 2080.

MELASTOMACEAE

Melastoma malabathricum L.

Kapanga, in roadsides, sea level, 21 Oct. 1975, in flower & fruit, 3106.

MEMECYLACEAE

Memecylon andamanicum King

Mildera, in forest edges, ± 30 m, 21 Aug. 1974, in fruit, 2133.

ONAGRACEAE

Ludwigia octovalvis (Jacq.) Raven (*Jussiaea suffruticosa* L.)

Mildera, in marshy field, ± 30 m, 18 Aug. 1977, in flower, 2101.

PASSIFLORACEAE

Adenia penangiana (Wall. ex. G. Don) de Wilde (*Adenia nicobarica* King)

Mildera, in inland forests, ± 30 m, 29 April 1974, in flower, 1217.

Modecca cardiophylla Mart.

Nirman Nagar, in inland forests, $\pm$ sea level, 11 May 1975, in flower, 2535.

Passiflora foetida L.

Mildera, in marshy places, ± 30 m, 2 May 1977, in flower, 5590.

CUCURBITACEAE

***Cucumis callosus** (Rottl.) Cogn.

Kapanga, near N.T.C., sea level, 23 Aug. 1974, in flower & fruit, 2163.

A new record for Andaman & Nicobar Islands.

Trichosanthes palmata Roxb.

Jansin, forest edges, sea level, 6 Nov. 1976, in fruit, 4632.

T. tricuspidata Lour.

Mildera, forest edges, ± 30 m, 17 June 1977, in flower, 6049.

HYDROCOTYLACEAE

Centella asiatica Urb.

W. Bay, in marshy place, sea level, 23 April 1977, in veg. condition, 5517.

ARALIACEAE

Arthropodium diversifolium Bl.

Kapanga, in inland forests, sea level, 2 Nov. 1976, in fruit, 4604.

Brassaiopsis palmata Kurz

Near oil palm, roadside, ± 15 m, 25 Oct. 1975; in flower, 3132.

ALANGIACEAE

***Alangium ebenaceum** Griff.

Jula, roadsides, ± 20 m, 15 Dec. 1974, in flower, 2200.

A new record for India.

RUBIACEAE

Amaracarpus pubescens Bl.

Kapanga, inland hill forest, ± 15 m, 25 April 1974, in flower & fruit, 1205.

Anthocephalus chinensis (Lamk.) Rich. ex Walp. (*A. cadamba* Miq.)

Mildera, in forest edges, ± 30 m, 14 Aug. 1974, in flower, 2081.

Diplospora abnormis (Korth.) Vahl

Kapanga, in inland forests, ± 20 m, 2 Nov. 1976, in fruit, 4615.

Gardenia tubifera Wall.

Near oil palm, $\pm$ roadsides, ± 15 m, 17 May 1975, in flower, 2557.

Geophila reniformis D. Don

Koopinga, inland shady forests, ± 20 m, 12 Aug. 1974, in flower & fruit, 2064.

Guettarda speciosa L.

Jansin, in inland forests, ± 10 m, 17 May 1975, in flower, 2564.

Hedyotis biflora (L.) Lamk.

Jula, in inland forests, ± 15 m, 21 Aug. 1974, in flower, 2148.

H. paradoxa Kurz

Mildera, in inland forests, ± 30 m, 29 April 1974, in flower, 1226.

H. prainiana King

W. Bay, near pond, sea level, 10 June 1977, in flower, 6011.

Ixora grandifolia Zoll. & Morr.

Kadao village, W. Bay, in scrub forests, sea level, 17 Feb. 1977, in flower, 5262.

Lasianthus cyanocarpus Jack.

Jula, in open places, ± 25 m, 13 Aug. 1974, in flower & fruit, 2076.

Mussaenda macrophylla L.

Mildera, inland forests, ± 30 m, 25 April 1974, in flower, 1198.

Ophiorrhiza mungos L.

Jula, in inland forests, ± 15 m, 21 Aug. 1974, in flower, 2147.

Oldenlandia nitida Gamble

Kapanga, in sunny grasslands, sea level, 17 June 1977, in flower, 6053.

Petunga roxburghii DC.

W. Bay, Kadao village, in forest edges, sea level, 18 Feb. 1977, in flower, 5268.

Psychotria platyneura Kurz

W. Bay, inland forests, sea level, 4 May 1975, in flowers, 2513.

***Randia curvata** (T. & B.) Valet.

Kapanga, hill towards jetty, ± 20 m, 20 Dec. 1974, in flower, 2221.

A new record for India.

Tarenna weberaefolia (Kurz) Balakr. (*Webera kurzii* Hk. f.)

Kapanga, hill towards jetty, ± 20 m, 3 May 1975, in flowers, 2508.

Uncaria cordata (Lour.) Merr. var. **ferruginea** (Bl.) Ridsale (*Uncaria pedicellata* Roxb.)

Kapanga, in inland hill forests, ± 20 m, 22 Aug. 1974, in flowers, 2160.

ASTERACEAE

Blumea laciniata (Roxb.) DC.

W. Bay, roadsides, sea level, 15 Feb. 1977, in flower, 5229.

Eclipta prostrata L.

Nirman Nagar, in open sunny place, sea level, 22 Aug. 1974, in flower, 2168.

Erigeron sumatrensis Retz.

Mildera, in rubber plantations, ± 30 m, 3 May 1977, in flower, 5589.

Eupatorium odoratum L.

W. Bay, in scrub forests, sea level, 23 April 1977, in flower, 5532.

Spilanthes acmella (L.) Merr.

Jansin, in roadsides, ± 15 m, 21 Feb. 1977, in flower, 5284.

Strachium sparganophorum (L.) O. Ktze

Kapanga, in open sunny place, sea level, 5 May 1977, in flower, 5603.

Vernonia cinerea (L.) Less.

W. Bay, in roadsides, sea level, 16 Feb. 1974, in flower, 5248.

Wedelia biflora (L.) DC.

Kapanga, near jetty, sea level, 21 April 1974, in flower, 1105.

GOODENIACEAE

Scaevola taccada (Gaertn.) Roxb.

Kapanga, coastal, 14 Aug. 1974, in flower, 2092.

MYRSINACEAE

Ardisia solanacea (Poir.) Roxb.

Kapanga, coastal, 20 Aug. 1974, in fruit, 2109.

Embelia microcalyx Kurz

Mildera, forest edges, ± 30 m, 14 Aug. 1974, in flower & fruit, 2082.

Maesa ramentacea (Roxb.) DC.

E. Bay, in inland hill forests, ± 25 m, 20 Dec. 1974, in flower, 2218.

SAPOTACEAE

Achras sapota L.

Koopinga, ± 20 m, cultivated, 12 Aug. 1974, in flower, 2059.

Planchonella obovata (R. Br.) Pierre

Near jetty, in coastal forests, 21 April 1974, in flower, 1107.

SYMPLOCACEAE

Symplocos racemosa Roxb.

W. Bay, in inland forests, sea level, in fruit, 14 Feb. 1977, 5204.

OLEACEAE

Jasminum multiflorum Roth var. **nicobarium** Thoth.

Kapanga, forest edges, sea level, 10 Oct. 1975, in flower, 2591.

Linociera ramiflora (Roxb.) Wall. ex. G. Don.

W. Bay, in scrub jungle, sea level, 23 April 1977, in flower, 5515.

L. parkinsonii Hutch.

E. Bay, coastal, 19 Dec. 1974, in flowers, 2210.

***Myxopyrum smilacifolium** Bl.

Mildera, in inland forests, ± 30 m, 7 May 1975, in flower & fruit, 2527.

A new record for Andaman & Nicobar Islands.

APOCYNACEAE

Alstonia kurzii Hook. f.

Jula, in inland forests, ± 20 m, 21 Aug. 1974, in fruit, 2145.

Catharanthus roseus (L.) G. Don.

Mildera, cultivated, ± 30 m, 11 Aug. 1974, in flower, 2046.

***Hunteria corymbosa** Roxb.

Kapanga, roadsides, $\pm$ sea level, 2 Nov. 1976, in flower, 4602.

A new record for India.

Nerium odorum Soland.

Kapanga, coastal, 3 Nov. 1976, in flower, 4618.

Ochrosia oppositifolia (Lamk.) Schum.

Mildera, roadsides, ± 30 m, 7 Nov. 1976, in fruit, 4642.

Parsonsia laevigata (Moon) Alst. (*Parsonsia spiralis* G. Don.)

Kapanga, in hill slope, ± 20 m, 14 Nov. 1974, in flower, 2095.

Thevetia peruviana (Pers.) Merr.

W. Bay, cultivated, sea level, 15 Feb. 1977, in flower, 5211.

ASCLEPIADACEAE

Hoya parasitica Wall.

Marine to Kapanga, epiphytic, sea level, 22 April 1974, in flower, 1151.

Tylophora indica (Burm. f.) Merr. (*Tylophora asthmatica* W. & A.)

Kapanga, roadsides, sea level, 9 May 1975, in flowers, 2536.

Wattakaka volubilis (L. f.) Stapf. [*Dregia volubilis* (L. f.) Hk. f.]

Mildera, in open sunny place, ± 30 m, 11 Aug. 1974, in flower, 2043.

LOGANIACEAE

Fragraea racemosa Wall.

Kapanga, in inland forests, ± 30 m, 22 Oct. 1975, in fruit, 3109.

Strychnos andamanensis A. W. Hill

Near oil palm plantation, roadside, ± 20 m, 20 Dec. 1974, in fruit, 2229.

S. axillaris Colebr.

Kapanga, in inland hill forests, ± 20 m, 19 Oct. 1975, in fruit, 2590.

BORAGINACEAE

Tournefortia ovata Wall.

Mildera, in forest edges, ± 30 m, 10 Aug. 1974, in flower, 2029.

EHRETIACEAE

Cordia obliqua Willd.

Kapanga, in inland forests, ± 20 m, 22 Aug. 1974, in flower, 2154.

C. subcordata Lamk.

E. Bay, coastal, 15 Nov. 1976, in flower & fruit, 4675.

CONVOLVULACEAE

Argyria championii Benth.

Marine to Kapanga, coastal, 24 April, 1974, in flower, 1182.

Ipomaea aquatica Forsk.

Mildera, in marshy place, ± 30 m, 4 May 1977, in flower, 5598.

I. gracilis R. Br.

Kapanga, in sunny place, sea level, 27 Feb. 1977, in flower, 5310.

I. pes-caprae (L.) Sweet. ssp. **brasiliensis** (L.) Ooststr.

W. Bay, in sea shore, 21 Feb. 1977, in flower, 5227.

Merremia peltata (L.) Merr.

Nirman Nagar, in roadsides, $\pm$ sea level, 15 Dec. 1974, in flower, 2195.

SOLANACEAE

Capsicum frutescens L.

Kadao village, W. Bay, in open sunny place, sea level, 15 Feb. 1977, in flower & fruit, 5226.

Datura stramonium L.

W. Bay, in open sunny place, $\pm$ sea level, 16 Feb. 1977, in flower & fruit, 5243.

Physalis minima L.

Mildera, in inland forests, ± 30 m, 24 April 1974, in fruit, 1193.

Solanum erianthum D. Don (*S. verbascifolium* D. Don)

Koopinga, in scrub forests, ± 20 m, 12 Aug. 1975, in flower & fruit, 2065.

S. ferox L.

Jula, in forest edges, ± 20 m, 21 Aug. 1974, in flower & fruit, 2142.

S. nigrum L.

Mildera, in open sunny place, ± 30 m, 9 Nov. 1976, in fruit, 4650.

Solanum torvum Sw.

Mildera, in open ground, edges of forests, ± 30 m, 29 April 1974, in fruit, 1232.

SCROPHULARIACEAE

Torenia pedunculata Benth.

Kapanga, in open place, 21 Oct. 1975, in fruit, 3102.

BIGNONIACEAE

Dolichandrone spathacea (L. f.) K. Schum.

Delhi village, W. Bay, near stream sides, sea level, 14 June 1977, in fruit, 6042.

ACANTHACEAE

Barleria prionitis L.

Mildera, in open sunny place, ± 30 m, 11 Aug. 1974, in flower, 2048.

Justicia helferii Clarke

Kapanga, in hill slopes, ± 20 m, 14 Aug. 1974, in flower, 2094.

VERBENACEAE

Clerodendrum inerme (L.) Gaertn.

Jula, in forest edges, ± 20 m, 21 Aug. 1974, in flower & fruit, 2127.

C. paniculatum L.

W. Bay, in open sunny place, sea level, 15 Feb. 1977, in flower, 5225.

Phylla nodiflora (L.) Greene.

Near oil palm, in grasslands, ± 20 m, 27 Feb. 1977, in flower, 5314.

Teijsmanniodendron pteropodum Bakh.

E. Bay, in inland forests, ± 15 m, 7 May 1977, in fruit, 5622.

LAMIACEAE

Dysophylla auricularia (L.) Bl.

Delhi village, W. Bay, in grassland, sea level, 13 June 1977, in flower, 6026.

Hyptis rhomboidea Mart. & Gal.

W. Bay, in open sunny place, sea level, 23 April 1977, in fruit, 5516.

H. suaveolens Poit.

W. Bay, in open sunny place, sea level, 21 Aug. 1974, in flower, 2150.

NYCTAGINACEAE

Boerhavia diffusa L.

Nirman Nagar, in open sunny place, sea level, 22 Aug. 1974, in flower, 2169.

Bougainvillea glabra Choisy

Mildera, cultivated, ± 30 m, 11 Aug. 1974, in flower, 2047.

Mirabilis jalapa L.

W. Bay, on roadsides, sea level, 14 Feb. 1977, in flower, 5214.

Pisonia excelsa Bl.

Nirman Nagar, in forest edges, sea level, 15 Dec. 1974, in flower, 2196.

AMARANTHACEAE

Achyranthes aspera L.

W. Bay, in roadsides, sea level, 1 May 1977, in flower, 5578.

Alternanthera sessilis (L.) DC.

W. Bay, Kadao village, in low land, sea level, 1 May 1977, in flower, 5583.

***A. tenuissima** Suesseng.

W. Bay, Kadao village, in low land, sea level, 26 April 1977, in flower, 5547.

A new record for Andaman & Nicobar Islands.

Celosia argentea Linn.

Koopinga, in open sunny place, ± 20 m, 12 Aug. 1974, in flower, 2060.

POLYGONACEAE

Polygonum barbatum L.

Kadao village, W. Bay, sea level, 18 Feb. 1977, in flower, 5263.

P. dichotomum Bl.

Kadao, in marshy places, sea level, 26 April 1977, in flower, 5545.

ARISTOLOCHIACEAE

Aristolochia roxburghiana Klotzch. (*A. tagala* Cham.)

Jula, in roadsides, ± 20 m, 27 Dec. 1974, in fruit, 2234.

PIPERACEAE

Piper clypeatum Wall.

Jula, in inland forests, ± 20 m, 12 Nov. 1976, in veg. condition, 4663.

P. betle Linn.

Mildera, in inland forests, ± 30 m, 10 June 1977, in fruit, 6015.

MYRISTICACEAE

Horsfieldia glabra (Bl.) Warb.

Mildera, in forest edges, ± 30 m, 11 Aug. 1974, in fruit, 2036.

Horsfieldia irya (Gaertn.) Warb. (*Myristica irya* Gaertn.)

Jula, in roadsides, ± 20 m, 6 Nov. 1976, in fruit, 4640.

Knema andamanica (Warb.) de Wilde ssp. *andamanica*

Near police station, in inland forest, ± 10 m, 6 May 1975, in fruit, 2524.

K. andamanica ssp. *nicobarica* (Warb.) de Wilde

Near Marine Office, in inland forests, ± 20 m, 22 Aug. 1974, in flowers, 2157.

Myristica andamanica Hook. f.

Jula, in forest edges, ± 20 m, 13 Aug. 1974, in fruit, 2077.

LAURACEAE

Cinnamomum obtusifolium Nees

Jula, in inland forests, ± 20 m, 12 Nov. 1976, in veg. condition, 4661.

Dehasia cuneata Bl.

Delhi village, W. Bay, forest edges, sea level, 14 June 1977, in fruit, 6038.

Litsea glutinosa (Lour.) C. B. Rob.

Kapanga, coastal, 22 April 1974, in flower, 1149.

L. kurzii King

Kapanga, forest behind the marine stores, ± 20 m, 29 April 1974, in flower, 1214.

EUPHORBIACEAE

Acalypha indica L.

Kapanga, coastal, 21 April 1974, in fruit, 1125.

Actephila puberula Kurz

Koopinga, in open place, ± 20 m, 12 Aug. 1974, in fruit, 2057.

Antidesma acuminatum Wall.

Kapanga, in inland hill forests, ± 20 m, 25 April 1975, in flower, 1201.

Aporosa microstachya Muell.-Arg.

Nirman Nagar, in inland forests, ± 20 m, 14 Dec. 1974, in flower, 2186.

Baccaurea javanica Bl.

Mildera, near stream sides, ± 30 m, 24 Oct. 1975, in fruit, 3113.

Breynia retusa (Dennst.) Alston [*B. patens* (Roxb.) Rolfe]

E. Bay, coastal, 19 Dec. 1974, in flower, 2214.

B. rhamnoides Muell.-Arg.

W. Bay, in scrub jungle, sea level, 16 Feb. 1977, in flower, 5249.

Bridelia griffithii Hook. f.

Nirman Nagar, in inland forest, sea level, 14 Dec. 1974, in fruit, 2184.

Claoxylon indicum (Bl.) Hassk.

E. Bay, inland forest, sea level, 4 May 1975, in fruit, 2516.

Croton sublyratus Kurz

Kapanga, near police station, inland forests, sea level, 6 May 1975, in fruit, 2521.

Drypetes assamicus (Hook. f.) Pax & Hoffm. (*Cyclostemon assamicus* Hook. f.)

Nirman Nagar, inland forests, sea level, 15 Dec. 1975, in flower, 2194.

Euphorbia thymifolia L.

Near P.W.D. Guest House, Kapanga, in open sunny place, sea level, 5 Nov. 1976, in flower & fruit, 4630.

Excoecaria agallocha L.

Marine Office to Kapanga, coastal, 22 April 1974, in flower, 1150.

Gelonium bifarium Roxb.

W. Bay, coastal, 23 April 1977, in flower, 5533.

Glochidion bancanum Miq.

Mildera, in forest edges, ± 30 m, 25 Oct. 1975, in flower, 3130.

Hemicyclia sumatrana Muell.-Arg.

Kapanga, near police station, ± 20 m, 6 May 1975, in fruit, 2523.

Hevea brasiliensis Muell.-Arg.

Mildera, under cultivation, ± 30 m, 7 May 1977, in flower, 5625.

Jatropha curcas L.

Kapanga, roadsides, sea level, 17 June 1977, in fruit, 6048.

Macaranga indica Wight

Jula, in inland forests, ± 15 m, 21 Aug. 1974, in flower, 2143.

Macaranga nicobarica Balakr. & Chakrab.

Mildera, ± 30 m, 11 Aug. 1974, in flower, 2041.

Mallotus peltatus (Geisl.) Muell.-Arg.

Mildera, inland forest, ± 30 m, 11 Aug. 1974, in flower, 2039.

Manihot esculenta Crantz

Mildera, cultivated, ± 30 m, 18 Aug. 1974, in flower, 2106.

Neoscortichinia nicobarica (Hook. f.) Pax & Hoffm.

Kadao village, in inland forest, sea level, 26 April 1977, in fruit, 5549.

Phyllanthus gomphocarpus Hook. f.

Jansin, forest edges, sea level, 19 Feb. 1977, in flowers & fruits, 5277.

Sauropus androgynus (L.) Merr. (*S. albicans* Bl.)

Mildera, in marshy forest, ± 30 m, 24 April 1974, in fruit, 1180.

Securinega virosa (Willd.) Pax & Hoffm.

W. Bay, in scrub jungle, $\pm$ sea level, 18 June 1977, in flowers, 5269.

URTICACEAE

Pipturus argenteus (Forst. f.) Wedd.

E. Bay, inland forests, ± 20 m, 20 Dec. 1974, in fruit, 2215.

Procris laevigata Bl.

E. Bay, in inland forests, ± 20 m, 4 May 1975, in flower, 2512.

MORACEAE

Artocarpus chaplasi Roxb.

W. Bay, in inland forests, sea level, 12 June 1977, in veg. condition, 6020.

A. incisa L. f.

W. Bay, in roadsides, sea level, 14 Feb. 1977, in fruit, 5245.

A. gomeziana Wall. ex Trec.

W. Bay, in roadsides, sea level, 14 Feb. 1977, in fruit, 5211.

Boehmeria nivea Hk. & Arn.

Kapanga, Littoral forests, sea level, 22 April 1974, 1155.

Dimocarpus longan Lour.

Kapanga, in inland forests, ± 10 m, 15 May 1975, in fruit, 2549.

Ficus altissima Bl.

Nirman Nagar, in forest edges, $\pm$ sea level, 13 Aug. 1975, in fruit, 2540.

F. gibbosa Bl.

Kapanga, in inland forests, ± 15 m, 15 May 1975, in fruit, 2550.

F. scandens Roxb.

Kapanga, in inland forest, ± 15 m, 24 Oct. 1975, in flower, 3117.

ULMACEAE

Trema orientalis (L.) Bl.

Mildera, inland forests, ± 30 m, 9 May 1975, in flower, 2532.

HYDROCHARITACEAE

Enhalus acoroides (L. f.) Rich. ex Steud.

W. Bay, hydrophyte, 22 Feb. 1977, in flowers & fruits, 5289.

ORCHIDACEAE

Aerides emericii Reichb. f.

E. Bay, inland forests, epiphyte, ± 20 m, 4 May 1975, in flower, 2518.

Corymborkis veratrifolia Bl. [*Corymbis veratrifolia* (Bl.) Reichb. f.]

Jula, inland forests, ± 15 m, 23 April 1977, in fruit, 5298.

Cymbidium simulans Rolfe

Under cultivation in garden at Port Blair, brought from Katchal.

Dendrobium crumenatum Sw.

Kapanga, epiphytic on coconut trees, coastal areas, 23 April 1977, in flower, 5520.

***D. plicatile** Lindl.

E. Bay, inland forests, epiphytic, ± 15 m, 4 May 1975, in flower, 2517.

Eria bractescens Lindl. var. **affinis** (Griff.) Hook. f.

E. Bay, inland forests, epiphytic, ± 20 m, 4 May 1975, in flower, 2519.

Eulophia andamanensis Reichb. f.

E. Bay, terrestrial near pond, 9 Nov. 1976, in fruit, 4644, under cultivation in Port Blair garden.

E. graminea Lindl.

Kadao village, inland forest, sea level, 17 Feb. 1977, in flower, 5261.

Eulophia nicobarica Balakr. & Nair

Mildera, terrestrial, inland forests, sea level, 24 April 1974, in flower, 1188.

***Hetaeria oblongifolia** Bl.

Mildera, $\pm$ 30 m, 30 April 1977, in flower & fruit, 5572, under cultivation in Port Blair garden.

A new record for Andaman & Nicobar Islands.

Luisia zollingeri Reichb. f.

W. Bay, epiphytic, in coconut plantation, 22 Feb. 1977, in fruit, 5288.

***Nervilia punctata** (Bl.) Schltr.

Mildera, in shaded inland forests, $\pm$ 30 m, 4 May 1977, in flower, 5601.

A new record for Andaman & Nicobar Islands.

Pholidota imbricata Roxb.

Mildera, roadsides, epiphytic, under cultivation in Port Blair garden.

***Polystachya flavescens** (Bl.) J. J. Sm.

Mildera, roadsides, on decayed logs, $\pm$ 30 m, 14 Aug. 1974, in flower, 2093.

Pomatocalpa wendlandorum (Reichb. f.) J. J. Sm. (*Cleisostoma wendlandorum* Reichb. f.)

Mildera, edges of forests, epiphytic, 11 Aug. 1974, in flower, 2037.

***Pteroceras alatum** (Holtt.) Holtt.

Nirman Nagar, epiphytic, sea level, 19 May 1975, in flower, 2572.

A new record for India.

P. berkeleyi (Reichb. f.) Holtt. [*Sarcochilus berkeleyi* (Reichb. f.) Hook. f.]

Flowered under cultivation, brought from Katchal, 2 March 1978, 6643.

***Spathoglottis plicata** Bl.

Kapanga, growing in grasslands, open sunny places, $\pm$ 30 m, 21 Oct. 1975, in flower, 3101.

A new record for Andaman & Nicobar Islands.

***Thrixspermum album** (Ridl.) Schltr.

Kapanga, near police station, sea level, 3 May 1975, in flower, 2501.

A new record for India.

Trichoglottis orchidea (Koenig) Garay (*T. quadricornuta* Kurz)

Kapanga, epiphytic, $\pm$ 20 m, 16 Feb. 1977, in flower, 5246.

ZINGIBERACEAE

Amomum fenzlii Kurz

Mildera, near stream side, $\pm$ 30 m, 9 May 1975, in flower, 2531.

***Zingiber aromaticum** Valet.

Kapanga, coastal, 20 Aug. 1974, in flower, 2108.

A new record for Andaman & Nicobar Islands.

MARANTACEAE

Donax connaeformis (G. Forst) K. Schum. (*Clinogyne grandis* Benth.)

Mildera, coastal, 24 April, 1974, in flower & fruit, 1183.

SMILACACEAE

Smilax polyacantha Kurz

Mildera, in Rubber Plantation area, $\pm$ 30 m, 1 May 1977, in fruit, 5577.

AGAVACEAE

Dracaena angustifolia Roxb.

W. Bay, in inland forests, sea level, 14 Feb. 1977, in flower, 5208.

COMMELINACEAE

Aclisia secundiflora (Bl.) Bakh. f. (*Pollia sorzogonensis* Endl.)

Mildera, in open sunny place, $\pm$ 30 m, 18 Aug. 1974, in flower & fruit, 2023.

***Ancilema vaginatum** Br.

W. Bay, Delhi village, in rice field, $\pm$ sea level, 13 June 1977, in flower, 6028.

A new record for Andaman & Nicobar Islands.

Pollia thyrsiflora (Bl.) Steud.

Koopinga, in marshy place, $\pm$ sea level, 12 Aug. 1974, in flower, 2053.

ARECACEAE

Areca triandra Roxb.

Koopinga, $\pm$ 20 m, cultivated, 24 June 1977, in flower, 6064.

Rhopaloblaste augusta (Kurz) H. E. Moore (*Areca augusta* Kurz)

Kadao village, W. Bay, sea level, 27 April 1977, in fruit, 5552.

Nypa fruticans Wurmb.

W. Bay, in marshy place, sea level, 10 June 1977, in flower, 6002.

PANDANACEAE

Pandanus tectorius Soland.

W. Bay, in roadsides, $\pm$ sea level, 21 Feb. 1977, in fruit, 5278.

ARACEAE

Aglaonema simplex Bl. var. **moluccense** Schott.

Mildera, in inland forests, $\pm$ 30 m, 18 Aug. 1974, in flower, 2102.

Homalonema ovata Hook. f.

E. Bay, near stream side, $\pm$ 15 m, 7 July 1977, in flower, 5615.

Pothos scandens Wall.

Mildera, in inland forests, $\pm$ 30 m, 24 April 1974, in fruit, 1191.

POTAMOGETONACEAE

Syringodium isoetifolium (Aschers) Dandy. (*Cymodocea isoetifolium* Aschers)

W. Bay, Marine hydrophyte, 22 Feb. 1977, in fruit, 5289.

CYPERACEAE

Cyperus brevifolius (Rottb.) Hassk.

Nirman Nagar, in open sunny place, sea level, 19 May 1975, in fruit, 2570.

C. compressus L.

Nirman Nagar, in open places, sea level, 19 May 1975, 2566.

C. cyperinus (Retz.) Valek.

W. Bay, in open sunny place, sea level, 10 June 1977, in fruit, 6004.

C. cyperoides (L.) Kuntze

Kadao village, W. Bay, in roadsides, sea level, 27 April 1977, in fruit, 5554.

C. diffusus Vahl

Mildera, in wastelands, $\pm$ 30 m, 25 April 1974, in fruit, 1119.

C. distans L. f.

Delhi village, W. Bay, in wastelands, sea level, 13 June 1977, in fruit, 6025.

C. stoloniferus Retz.

W. Bay, in roadsides, 23 April 1977, 5528.

Fimbristylis alboviridis Clarke

Mildera, in inland forests, $\pm$ 30 m, 29 April 1974, in fruit, 1223.

F. cymosa R. Br.

Nirman Nagar, in open places, sea level, 17 May 1975, 2567.

F. dichotoma (L.) Vahl

Nirman Nagar, in open sunny place, sea level, 17 May 1975, in fruit, 2567.

Hypolytrum nemorum (Vahl) Spreng.

Mildera, in inland forests, $\pm$ 30 m, 29 April 1974, in fruit, 1227.

Scleria lithosperma (L.) Sw.

Kapanga, in open grasslands, sea level, 23 April 1977, in fruit, 5518.

S. scrobiculata Nees

Kapanga, coastal, 22 April 1974, in fruit, 1130.

POACEAE

Axonopus compressus (Sw.) P. Beauv.

Nirman Nagar, in P.W.D. Office compound, in sunny place, sea level, 19 May 1975, in fruit, 2569.

Chrysopogon aciculatus (Retz.) Trin.

Nirman Nagar, in open sunny place, sea level, 19 May 1975, in fruit, 2563.

Cynodon dactylon (L.) Pers.

Kadao village, W. Bay, sea level, 30 April 1977, in fruit, 5565.

Cyrtococcum oxyphyllum (Hochst. & Steud.) Stapf

Nirman Nagar, behind Marine Store, sea level, 29 April 1974, in fruit, 1215.

Dinochloa scandens (Bl. ex. Nees) Kuntze

Kapanga, coastal forests, 22 April 1974, in fruit, 1129.

Echinochloa colonum (L.) Link

Delhi village, W. Bay, in rice field, sea level, 13 June 1977, in fruit, 6027.

Eragrostis tenella (L.) Beauv. ex R. & S.

Nirman Nagar in open sunny place, sea level, 19 May 1975, in fruit, 2568.

Imperata cylindrica P. Beauv.

Mildera, in open sunny place, $\pm$ 30 m, 29 April 1974, in fruit, 1228.

Sporobolus fertilis (Steud.) W. D. Clayton

Kadao village, W. Bay, sea level, in scrub forests, 30 April 1974, in fruit, 5566.

Kapanga, in littoral forests, sea level, 22 April 1974, in flower, 1154.

ACKNOWLEDGEMENT

Themeda triandra Forsk.

Kapanga, in open sunny place, $\pm$ sea level, 27 Feb. 1977, in fruit, 5313.

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Thuarea involuta (G. Forst.) R. & S.