

VASCULAR FLORA OF KHAO KHIEO WILDLIFE SANCTUARY, CHONBURI PROVINCE, THAILAND

*J.F. Maxwell**

ABSTRACT

The vascular flora of Khao Khieo Wildlife Sanctuary, Southeast Thailand, as enumerated in report includes: Lycopodophyta, 5 taxa in 1 family; Pteridophyta, 62 taxa in 17 families; Gymnospermae, 2 taxa in 2 families; Angiospermae: Dicotyledones, 675 taxa in 102 families and Monocotyledones, 183 taxa in 24 families; total: 927 taxa in 146 families. The following species at Khao Khieo, if correctly identified, are new species for Thailand: *Tectaria vasta* (Bl.) Cop. (Dryopteridaceae); *Aglaiia chittagonga* Hier. (Meliaceae); *Dracontomelum schmidii* Tard. (Anacardiaceae); *Psychotria tonkinensis* Pit. (Rubiaceae); *Heterostemma oblongifolium* Cost. (Asclepiadaceae); *Strobilanthes subflaccidus* Kurz (Acanthaceae); *Bridelia penangiana* Hk. f. (Euphorbiaceae).

INTRODUCTION

The vascular flora of Khao Khieo – Khao Chomphu Wildlife Sanctuary in Chonburi Province, Southeast Thailand, was sampled extensively from 1973 to 1976. A concise description of the habitats and forest types has been provided by MAXWELL (1980). Six different vegetational zones are recognized within the study area; however, due to widespread cutting, burning, and cultivation much of the original evergreen flora has been replaced by deciduous and bamboo species.

Earlier this century a narrow gauge railway was constructed to the southern part of the forest from a sawmill at Si Racha, thus facilitating the rapid destruction of the evergreen forest and allowing many secondary species to invade the disturbed habitats, which have yet to achieve an ecological climax.

A concerted effort was made to sample all habitats and areas in the reserve as frequently as possible so as to ensure accurate records of all species – especially deciduous trees and seasonal herbs. Since the area is not yet ecologically stable, additional records for the area can be expected. Perhaps with the continued protection of the area by the Wildlife Conservation Division of the Royal Forest Department, the remnants of this formerly impressive forest can be maintained for further research and enjoyment by the public.

*Department of Plant Sciences, Faculty of Natural Resources, Prince of Songkla University, Hat Yai 90110, Thailand

E N U M E R A T I O N

The families of pteridophytes in this report are arranged alphabetically with the genera listed under each in accordance with the interpretation of TAGAWA & IWATSUKI (1979). All the angiosperm families are listed, with a few modifications, according to the Bentham & Hooker system and all the taxa in each family are listed alphabetically.

Many species are closely related and may eventually be combined. I have noted these. There are several unidentified species that have to be left for further study. Included in this enumeration are some rather unusual species that could be new records for Thailand, or perhaps even new to science. See MAXWELL (1975) for various taxonomic notes relevant to the flora.

Immediately after each taxon the habitat is given (some taxa have several habitats) in the following manner:

- 1: Lowland forest
- 2: Upland evergreen forest
- 3: Deciduous/bamboo association
- 4: Dry dipterocarp formation
- 5: Wet meadow or savanna
- 6: Secondary growth

After the habitat(s), the habit of each taxon is indicated in the following manner:

- ET, ES: Evergreen tree, evergreen shrub
- DT, DS: Deciduous tree, deciduous shrub
- T't: Treelet (single woody stem up to 5 m tall)
- H: Herb
- V: Vine, herbaceous climber
- WC: Woody climber, liana
- Ep: Epiphyte
- S: Saprophyte
- P: Parasite

The relative abundance of each taxon and the periods of flowering, fruiting and the presence of leaves (for deciduous taxa) are given. For *Selaginella* and the pteridophytes the months during which sporangia are present are noted.

Herbarium research was conducted at the Herbarium (BK) of the Botanical Sciences Division, Department of Agriculture, Bangkok. It was also necessary to examine the collections at the Forest Herbarium (BKF) of the Royal Forest Department, Bangkok. Voucher specimens have been deposited in BK with complete sets of duplicates at Aarhus (Denmark) and Leiden (Netherlands).

LYCOPODOPHYTA

SELAGINELLACEAE

Selaginella argentea (Wall.) Spr.; 1,2; H, common on rocks, July-Oct.

S. delicatula (Desv.) Alst.; 1, H, common, Sept.-Dec.

S. involvens (Sw.) Spr.; 1, 2; H, common, July-Dec.

S. ostenfeldii Hier.; 40 H, common, May-Aug,

S. repanda (Desv.) Spr.; 3, H, common, Aug.-Dec.

PTERIDOPHYTA

ASPLENIACEAE

Asplenium nidus Linn. var. *nidus* 1,2; EpH, common, Jan.-Dec.

A. pellucidum Lamk.; 2, H, common, July-Dec.

A. praemorsum Sw.; 1,2; EpH, not common, Mar.-Nov.

ATHYRIACEAE

Athyrium accedens (Bl.) Milde; 1, H, common, June-Dec.

A. esculentum (Retz.) Copel.; 1,6 (streams); H, common, June-Dec.

A. simplicivenium (Holtt.) Holtt.; 12 (streams); H, common, June-Dec.

CYATHEACEAE

Cyathea contaminans (Wall. ex Hook.) Copel.; 2, ET, rare, Jan.-Dec.

DAVALLIACEAE

Davallia denticulata (Burm.) Mett.; 1 and cliffs, Ep and ground H, not common,
Jan.-Dec.

D. trichomanoides Bl.; 2, EpH, common, May-Dec.

Humata repens (Linn.f.) Diels; 2, EpH, not common, May-Nov.

DRYOPTERIDACEAE

Arcypteris irregularis (Presl) Holtt.; 1, H, not common, July-Dec.

Cyclopeltis crenata (Fee) C. Chr.; 1, 2; H, not common, June-Nov.

Microlepia speluncae (Linn.) Moore; 1,2; H, common, Apr.-Jan.; indumentum
variable on fronds

M. strigosa (Thunb.) Presl; 2, H, common, Apr.-Dec.

Tectaria fuscipes (Wall. ex Bedd.) C. Chr.; 1/2, H, common, July-Dec.

T. polymorpha (Wall. ex Hook.) Copel.; 2, H, not common, Feb.-Oct.

T. simonsii (Bedd.) Ching or *subtriphylum* (Hook. & Arn.) Cope.; 2, H, not common,
July-Dec.

T. variolosa (Wall. ex Hook.) C. Chr.; 1, H, common, June-Dec.

T. vasta (Bl.) Copel.; 2, H, rare, June-Sept. NEW RECORD?

DICKSONACEAE

Cibotium barometz (Linn.) J. Sm.; 2, H, not common, Apr.-Dec.

HYMENOPHYLLACEAE

Crepidomanes bipunctatum (Poir.) Copel.; 1,2; EpH (rocks), not common, Sept.-Nov.

LINDSEACEAE

Lindsaea ensifolia Sw.; 2, H, not common, May-Nov.

LOMARIOPSIDACEAE

Bolbitis appendiculata (Willd.) K. Iwat.; 1,2; H, common, Aug.-Dec.

B. copelandii Ching ex C. Chr. & Tard.; 1,2; H, common, Aug.-Dec.

B. virens (Wall. ex Hook. & Grev.) Schott; 2, H, rare, Aug.-Dec.

MARATTIACEAE

Angiopteris evecta (Forst.) Hoffm. 1,6 (stream), H, not common, May-Nov.

OLEANDRACEAE

Nephrolepis biserrata (Sw.) Schoot; 1,6; (streams), H, not common, May-Nov.

Oleandra undulata (Willd.) Ching; 4 (cliffs) EpH, common, Aug.-Dec.

POLYPODIACEAE

Colysis pedunculata (Hook. & Grev.) Ching; 1,2; EpH (rocks), not common, Apr.-Nov.

Drymoglossum piloselloides (Linn.) Presl; 1,2; EpH, common, July-Dec.

Drynaria bonii C. Chr.; 1,3; EpH (rocks), common, May-Dec.

D. quercifolia (Linn.) J. Sm.; 2, EpH, common, May-Dec.

D. rigidula (Sw.) Bedd.; 2,3; EpH, not common, May-Dec.

Microsorium nigrescens (Bl.) Copel.; 1,2; EpH, common, May-Dec.

M. pteropus (Bl.) Ching; 1,2; EpH (rocks in streams), common, May-Dec.

M. punctatum (Linn.) Copel.; 2, EpH, not common, Jan.-Oct.

Platynerium wallichii Hook.; 3, EpH, not common, Jan.-Dec.

Pyrrosia adnascens (G. For.) Ching; 1,2,3; EpH, common, Jan.-Dec.

P. stigmosa (Sw.) Ching; 1,2; EpH, common, July-Dec.

PTERIDACEAE

Pteris asperula J. Sm. ex Hier.; 2, H, not common, May-Nov.

P. ensiformis Burm. f.; 3, H, common, May-Nov.

P. pellucida Presl; 1,2; H, common, May-Nov.

P. scabripes Wall. apud Hook. or *plumbea* Chr.; 2, H, not common, Jan.-Dec.

Stenochlaena palustris (Burm.) Bedd.; 2, climbing H, common, Aug.-Nov.

SCHIZEACEAE

Lygodium flexuosum (Linn.) Sw.; 1, V, common, July-Nov.

L. polystachyum Wall. ex Moore; 1, V, common, July-Nov.

THELYPTERIDACEAE*

Amphineuron terminans (Hook.) Holtt.; 2, H, common, May-Jan.

Christella parasitica (Linn.) Lév., 1,2; H, common, May-Jan.

Pneumatopteris truncata (Poir.) Holtt.; 2, H, not common, May-Dec.

Pronephrium asperum (Presl) Holtt.; 2, H, not common, May-Dec.

*I have relied on HOLTTUM (1980) for the name changes in the Thelypteridaceae.

L. sp. 2, H, common, Aug.-Dec.

Sphaerostephanos heterocarpus (Bl.) Holtt.; 2, H, common, May-Nov.

Thelypteris balansae (C. Chr. & Tard.) Ching; 1,2; H, not common, Aug.-Jan.

T. validus (C. Chr. & Tard.) Ching; 2, H, not common, Jan.-Dec.

PARKERIACEAE

Adiantum caudatum Linn. var. *subglabrum* Holtt.; 1,3; H, common, Sept.-Jan.

A. philippense Linn.; 4 and cliffs, H, common, May.-Nov.

A. soboliferum Wall. apud Hook.; 1, H, common, July-Dec.

Antrophyum reticulatum (For.) Klf.; 1,2; EpH, not common, July-Jan.

Doryopteris ludens (Wall. ex Hook.) J. Sm.; 1, H, common, Sept.-Dec.

Hemionitis arifolia (Burm. f.) Moore; 1,2, cliffs; EpH, not common, May-Nov.

VITTARIACEAE

Vittaria ensiformis Sw. Var. *ensiformis*; 1,2, cliffs; EpH, not common, Jan.-Dec.

GYMNOSPERMAE

CYCADACEAE

Cycas siamensis Miq.; 4, ET'lt common, Mar.-May, Apr.-July

GNETACEAE

Gnetum macrostachyum Hook. f.; 2, WC, not common, Dec.-Apr., June-Aug.

ANGIOSPERMAE

DICOTYLEDONES

RANUNCULACEAE

Naravelia laurifolia Wall. ex Hook. f. & Thoms.; 6 in 1; V, not common, Oct.-Nov.,
Nov.-Dec.

DILLENiaceae

Dillenia ovata Hook. f. & Thoms.; 2,1; ET, not common, Mar.-Apr., May-June.

D. pentagyna Roxb.; 3, DT, not common, Jan.-Feb., Apr.-May, Mar.-Dec.

Tetracera loureiri (Fin. & Gagnep.) Pierre ex Craib; 1, 6; V, WC; common, Apr.-May,
June-July.

ANNONACEAE

Anaxagorea luzonensis A. Gray; 2, S, common, May-June, June-July.

Artabotrys harmandii Fin. & Gagnep.; 1, 2; WC, common, Dec.-Feb., July-Aug.

Cananga latifolia (Hook. f. & Thoms.) Fin. & Gagn.; 3, DT, not common,
Mar.-May, Apr.-July, Mar.-Dec.

Cyathostemma micranthum (A. DC.) Sincl.; 1, WC, common, Apr.-June, June-Aug.

- Cyathostemma* sp.; 1,2; WC, not common, May-July, Nov.-Jan.
Desmos chinensis Lour.; 1,2; WC, common, Apr.-May, July-Aug.
D. hahnii Merr.; 1,2; WC, common, Mar.-May, June-July.
Goniothalamus marcanii Craib; 1,2; T'lt, common, Apr.-July, Aug.-Oct. (MAXWELL, 1975) (type locality).
Melodorum fruticosum Lour.; 1,2; ET, not common, Jan.-Mar., May-July.
Miliusa sp.; 1,2; T'lt, not common, flowers?, fruit June-July.
Mitrephora maingayi Hook. f. & Thoms. var. *kurzii* King; 1, ET, common, Jan.-Mar., Feb.-May.
Orophea polycarpa A. DC.; 1, 2; ET, common, June-Aug., Aug.-Oct.
Orophea sp.; 1, ET, not common, Mar.-May, fruit?.
Polyalthia cerasoides (Roxb.) Benth. ex Bedd.; 4 (cliffs), DT, not common, Feb.-Apr., Apr.-July, Jan.-Dec.
P. craibii (Craib) Sincl.; 1, S, T'lt; not common, Nov.-Jan., June-Aug.
P. jucunda (Pierre) Fin. & Gagnep.; 2, ET, not common, Mar.-May, May-July.
P. sp.; 2, ET, not common, flowers?, fruit May-July.
Sageraea elliptica (A. DC.) Hook. f. & Thoms.; 2, ET, common, Dec.-Feb., June-Aug.
Uvaria cordata (Dun.) Alst.; 1,2; WC, not common, May-Aug., Sept.-Dec.
U. dulcis Dun.; 1,2; WC, common, Mar.-May, Aug.-Oct. (MAXWELL, 1974)
U. grandiflora Roxb.; 2, WC, not common, Dec.-May, June-Aug. (possibly var. *flava* (Teysm. & Binn.) Sincl.).
Xylophia caudata Hook. f. & Thoms.; 4 and cliffs, T, common, Mar.-May, June-Aug.

MENISPERMACEAE

- Anamirta cocculus* (Linn.) Wight & Arn.; 1, 6; WC, common, Nov.-Dec., Jan.-Mar.
Cyclea barbata Miers; 3, V, common, Aug.-Nov., Oct.-Jan.
Limacia triandra Diels; 1,2, V, common, Jan.-Dec., Jan.-Dec.
Pericampylus glaucus (Lamk.) Merr.; 6, V, common, Oct.-Dec., Nov.-Feb.
Stephania glabra (Roxb.) Miers; 3, DV, not common, Mar.-Apr., May-June, Feb.-Nov.
S. japonica (Thunb. ex Merr.) Miers var. *discolor* (Miq.) Form.; 6, V, common, Apr.-Oct., July-Nov.
S. venosa (Bl.) Spreng.; 6, 2,3; DV, rare, Jan.-Feb., Feb.-Apr., Dec.-Oct.
Tinospora crispa (Linn.) Miers ex Hook. f. & Thoms.; 3,6; DV, Dec.-Feb., Apr.-May, May-Dec.
T. sinensis (Lour.) Merr.; 3,6; DV, Jan.-Feb., Apr.-May, May-Dec.

CAPPARIDACEAE

- Capparis grandis* Linn. f.; 3, DT, not common, Mar.-May, June-Aug., Feb.-Dec.
C. micrantha DC. ssp. *micrantha* var. *micrantha*; 3, ES, common, Jan.-Mar., Apr.-June.

VIOLACEAE

- Rinorea macrophylla* (Decne.) O.Ktz.; 1; S, T'lt; very common, Aug.-Dec., Sept.-Jan. (vegetative parts glabrous or pubescent).

R. virgata (Thw.) O.Ktze.; 1; S, T'lt; common, June-Sept., July-Jan.

FLACOURTIACEAE

Casearia flexuosa Craib; 1,6; S, not common, June-Aug., Nov.-Mar.

C. graveolens Dalz.; 3; DT, not common, Jan.-Feb., Mar.-May, Apr.-Jan.

C. velutina Bl. var. *grewii* foia; 2, ET, not common, Nov.-Jan., Jan.-Mar.

Flacourtia jangomas (Vent.) Benth.; 3, DT, not common, Feb.-Mar., Apr.-June, Apr.-Dec.

Homalium tomentosum (Vent.) Benth.; 3, DT, not common, June-Aug., Aug.-Oct., Apr.-Jan.

Hydnocarpus ilicifolia King; 1,2; ET, very common, Jan.-Mar., Sept.-Dec.

POLYGALACEAE

Salomonina aphylla Griff.; 2, P/SH, rare, Sept.-Nov., Sept.-Nov.

HYPERICACEAE

Cratoxylum cochinchinense (Lour.) Bl.; 3, DT, common, Feb.-Mar., Apr.-May, Feb.-Dec.

C. formosum Dyer subsp. *formosum*; 3, DT, common, Feb.-Mar., May-June, Feb.-Dec.

C. formosum Dyer subsp. *pruniflorum* (Dyer) Gogel; 3, DT, common, Feb.-Mar., Apr.-June, Feb.-Dec.

GUTTIFERAE

Calophyllum thorelii Pierre; 4,1; ET, not common, June-Aug., Feb.-Apr.

Garcinia cowa Roxb.; 1, ET, not common, Feb.-Mar., June-July

G. speciosa Wall.; 1, ET, not common, Feb.-Mar., June-Aug.

G. xanthochymus Hook. f.; 2, ET, common, Dec.-Feb., May-Sept.
(probable synonym *G. cambodgiensis* Vas).

THEACEAE

Eurya acuminata DC. var. *wallichiana* Dyer; 2, ET, not common, Aug.-Dec., Sept.-Feb.

DIPTEROCARPACEAE

Dipterocarpus alatus Roxb.; 1, ET, common, Feb.-Mar., Mar.-May.

D. obtusifolius Teysm. ex Miq. var. *subnudus* Ryan & Kerr; 4, DT, common, Jan.-Feb., Feb.-Apr., Feb.-Dec.

Hopea odorata Roxb.; 1, ET, not common, Feb.-Mar., Mar.-May.

Shorea siamensis Miq.; 4, DT, Jan.-Feb., Mar.-Apr., Mar.-Dec.

ANCISTROCLADACEAE

Ancistrocladus tectorius (Lour.) Merr.; 2, WC, common, Feb.-Mar., Mar.-May.

MALVACEAE

Decaschistia siamensis Craib; 4, S, not common, Aug.-Oct., Aug.-Oct.

Hibiscus crinitus Wall. or *moschatus* Med.; 4,6; S, not common, Mar.-Apr., Apr.-June.

H. lobatus (Murr.) O.Kuntze; 3, H, common, Oct.-Nov., Oct.-Dec.

H. macrophyllus Roxb.; 6 in 1 and 2; ET, common, Jan.-Mar., Feb.-Apr.

- H. sagittifolius* Kurz; 6, 3; H/S, not common, Mar.-May, Apr.-July.
Thespesia lampas (Cav.) Dalz. & Gibs.; 3, DS, not common, Oct.-Dec., Oct.-Jan.,
 May-Dec.
Urena lobata Linn.; 6, H, common, Oct.-Dec., Oct.-Jan.
U. repanda Roxb.; 3, H/S; not common, Feb.-Apr. Mar.-June.

BOMBACACEAE

- Bombax anceps* Pierre var. *cambodiense* (Pierre) Rob.; 3, DT, common, Dec.-Jan.,
 Mar.-Apr., May-Dec.

STERCULIACEAE

- Buettneria aspera* Cole.; 2, WC, common, Apr.-June, Aug.-Oct. (possible synonym
B. siamensis Craib).
Firmiana colorata (Roxb.) R. Br.; 3, DT, not common, Jan.-Feb., Feb.-Mar., Apr.-Dec.
Helicteres elongata Wall. ex Boj.; 6 in 1 and 3; common, Aug.-Dec., Oct.-Jan.
H. gagnepainiana Craib; 4, DS, common, Apr.-June, June-Aug. (MAXWELL, 1975);
 type locality Si Racha).
H. hirsuta Lour. var. *vestita* King; 1, S, common, Aug.-Nov., Oct.-Jan.
H. isora Linn.; 4,3,6; DS, not common, Aug.-Oct., Nov.-Feb., Mar.-Dec.
Melochia umbellata Stapf; 1, ET, not common, Nov.-Jan., Feb.-Mar.
Pterocymbium tinctorium (Blanco) Merr. var. *javanicum* (R. Br.) Kost.; 3, DT,
 common, Jan.-Feb., Feb.-Mar., Apr.-Dec.
Pterispermum diversifolium Bl.; ET, common, Mar.-Apr., Aug.-Oct.
P. jackianum Wall. ex Mast.; 1,2; ET, not common, Feb.-May, Oct.-Dec.
P. littorale Craib; 1, ET, not common, Mar.-Apr., Sept.-Nov.
P. semisagittatum Ham. ex Roxb.; 3, DT, not common, May-July, Nov.-Jan., Mar.-Dec.
Pterygota alata (Roxb.) R. Br.; 2, DT, common, Jan.-Feb., May-July, Feb.-Dec.
Sterculia angustifolia Roxb.; 3, DT, not common, Feb.-Apr., July-Nov., Feb.-Dec.
S. hypochra Pierre; 3, DT, not common, Jan.-Feb., Feb.-Apr., Mar.-Dec.
S. pexa Pierre; 3, DT, common, Nov.-Jan., Mar.-Apr., Mar.-Jan.

TILIACEAE

- Berrya mollis* Wall. ex Kurz; 3,4; DT, not common, Apr.-May, July-Sept., Feb.-Dec.
Colona auriculata (Desf.) Craib; 5, S, not common, June-Sept., Aug.-Nov.
C. floribunda (Kurz) Craib; 3,1; DT, common, Nov.-Jan., Feb.-Apr., Nov.-Oct.
Grewia acuminata Juss.; 2, 6 in 2; WC, common, June-Aug, Aug.-Nov.
G. aspera Roxb.; 3, DS, common, Feb.-Apr., Apr.-June, Feb.-Dec.
G. elatostemoides Coll. & Hemsl.; 3,6; DT, common, Feb.-Apr., May-July, Feb.-Dec.
G. glabra Bl.; 3,6; DT, common, Aug.-Nov., Dec.-Jan., Mar.-Jan.
Pentace burmanica Kurz; 1, ET, not common, Dec.-Jan., Feb.-Mar.

ELAEOCARPACEAE

- Elaeocarpus petiolatus* (Jack) Wall., ex Kurz; 2, ET, not common, Aug.-Oct., Oct.-Dec.

ERYTHROXYLACEAE

- Erythroxylum cuneatum* (Miq.) Kurz; 4 (cliffs), S, Feb.-Apr., Apr.-June.

MALPIGHIACEAE

- Aspidopterys tomentosa* (Bl.) Juss.; 1, 2: V, not common, Feb.-Mar., Mar.-May.

Hiptage benghalensis (Linn.) Kurz; 1,2; WC, not common, Feb.-Apr., Mar.-May.
H. lucida Pierre; 1,2; WC, not common, Nov.-Jan., Jan.-Mar.

OXALIDACEAE

Biophytum sensitivum DC.; 1,6; H, common, June-Sept., July-Oct.

BALSAMINACEAE

Impatiens violaeiflora Hook. f. or *patula* Craib; 3 (rocky areas), H, not common,
 Aug.-Oct., Sept.-Nov.

RUTACEAE

Acronychia laurifolia Bl.; 1,2; ET, common, May-Aug., June-Oct.

Citrus hystrix DC.; 2, ET, rare, flowers?, fruit July-Sept.

Glycosmis parva (Craib; 2, ET'lt, not common, Dec.-Apr., July-Nov.

G. pentaphylla (Retz.) Corr. 1, ES/ET'lt; common, Oct.-Dec., June-Sept.

Hesperethusa crenulata (Roxb.) Roem.; 3, DT, not common, Mar.-May, May-June,
 Mar.-Dec.

Luvunga scandens (Roxb.) Ham. ex Wight; 1,2; WC, not common, veg. only, lower leaves
 simple, upper ones trifoliate.

Micromelum hirsutum Oliv.; 1, S, common Mar.-Apr., Aug.-Oct.

Murraya paniculata (Linn.) Jack; 1, ET, common, Mar.-Apr., Aug.-Oct.

Zanthophyllum nitidum (Roxb.) DC.; 6 in 1 and 2; WC, common, Feb.-Mar., May-June;
 synonym *Z. collinsae* Craib, type specimen from Si Racha.

SIMAROUBACEAE

Ailanthus triphysa (Denn.) Alst.; 3, rare, Jan.-Feb., Feb.-Apr.

Brucea javanica (Linn.) Merr.; 6 DS, common, Sept.-Oct., Oct.-Dec., Feb.-Dec.

Eurycoma longifolia Jack; 1, T'lt, common, Nov.-Jan., Dec.-Feb.

Harrisonia perforata Merr.; 6, DWC/DS; common, Jan.-Mar., July-Nov., Feb.-Dec.

Picrasma javanica Bl.; 1, ET, common, Jan.-Apr., Mar.-May.

IRVINGIACEAE

Irvingia malayana Oliv. ex Benn.; 1, ET, not common, Mar.-May, Oct.-Jan.

OCHNACEAE

Ochna integerrima (Lour.) Merr.; 4, DT, common, Jan.-Feb., Mar.-Apr., Mar.-Dec.

BURSERACEAE

Canarium subulatum Guill.; 2, DT, common, Feb.-Apr., May-July, Feb.-Dec.
 (synonym *Dracontomelum laoticum* Evr. & Tard.).

MELIACEAE

Aglaia chittagonga Hier. (q.v. *A. smithiana* Kerr, in BK); 1, DT, not common
 Aug.-Oct., Dec.-Mar.

A. hoensis Pierre; 1,3; ET, not common, Aug.-Oct., fruit?.

A. odoratissima Bl.; 1, ET, common, Jan.-Mar., fruit?.

A. pirifera Ham. 2,1; ET, common, Aug.-Jan., Jan.-June.

A. sp.; 1, ET, not common, flowers?, fruit May-June.

Amoora gigantea Pierre; 2, ET, not common, Mar.-May, Dec.-Mar.

A. polystachya (Wall.) Hook. f. & Jacks.; 2,1; ET, not common, June-Aug., Dec.-Mar.
Azadirachta indica A. Juss.; 6, DT, not common, July-Sept., Sept.-Nov., Mar.-Dec.

(often planted for the edible fruit and immature leaves).

Chukrasia tabularis A. Juss.; 1,2; ET, common, Mar.-May, July-Aug.

Dysoxylum cauliflorum Hier.; 2, ET, common, Mar.-Apr., Aug.-Dec.

D. cochinchinense Pierre; 2,1; ET, not common, Mar.-Apr., fruit?

D. procerum Hier.; 1,2; ET, common, Jan.-Mar., June-Aug.

Sandoricum koetjape (Burm. f.) Merr.; 1,2; ET, common, Jan.-Mar., May-July.

Turraea humilis (Blanco) Merr.; 3, H, common, Feb.-May, Apr.-June.

T. pubescens Hellen.; 3, DS/DT; common, Jan.-Mar., July-Oct., Apr.-Dec.

Walsura angulata Craib; 1,2; ET, not common, Jan.-Feb., fruit? (probably not distinct from *W. robusta* Roxb.).

W. robusta Roxb.; 1,2; ET, common, Jan.-Feb., June-Aug.

OLACACEAE

Erythrolalum scandens Bl.; 1,2; WC, common, Jan.-Feb., Mar.-Apr.

ICACINACEAE

Pyrenacantha volubilis Wight; 1, V, common, Dec.-Feb., May-Aug.

CARDIOPTERIDACEAE

Cardiopteris javanica Bl.; 6, V, common, Aug.-Nov., Sept.-Jan.

CELASTRACEAE

Celastrus paniculatus Willd.; 2, WC, not common, July-Sept., Dec.-Feb.

Euonymus cochinchinensis Pierre; 1,2; ET, not common, Nov.-Mar., July-Dec.

(probable synonym *E. carinatus* Craib, type locality Si Racha).

E. similis Craib; 3,1; DT, not common, Apr.-June, Oct.-Nov., Mar.-Dec.

Lophopetalum javanicum (Zoll.) Turcz.; 1,2; ET, not common, Dec.-Feb., May-July.

L. wightianum Arn. or *duperreanum* Pierre; 1,2; ET, not common, Jan.-Mar., June-Aug.

Salacia macrophylla Bl.; 1,2; WC, common, Nov.-Mar., July-Oct.

Siphonodon celastrineus Griff.; 3, ET, not common, July-Sept., Oct.-Dec.

RHAMNACEAE

Ventilago cristata Pierre; 1,2; WC, common, Dec.-Jan., Mar.-May.

Ziziphus oenoplia Mill.; 6, WC, common, May-Oct., July-Dec.

VITACEAE

Ampelocissus martinii Planch.; 3,6; V, common, Apr.-June, July-Sept.

Cayratia japonica (Thunb.) Gagnep.; 6, V, common, Apr.-Aug., July-Sept.

C. pedata (Lour.) Juss.; 1,6; V, not common, Mar.-June, June-Aug.

C. trifolia (Linn.) Dom.; 6, V, common, Apr.-June, June-Sept.

Cissus discolor Bl. 2,1,6; V, not common, Aug.-Sept., Oct.-Dec.

C. nodosa Bl.; 6,1; V, common, June-Dec., Oct.-Jan.

C. repanda Vahl; 6,1; V/WC; not common, Mar.-May, Apr.-July

- C. repens* Lamk.; 6, V, not common, June-Oct., Aug.-Nov.
C. siamica Planch.; 1, V, not common, June-Aug., Aug.-Nov.
Tetrastigma harmandii Planch.; 1,2,6; V, common, Apr.-June, Aug.-Oct. (q.v. *T. strumarum* Gagnep.; MAXWELL, 1975)
T. siamense Gagnep. & Craib; 1,2,6; V, common, Apr.-June, Aug.-Dec. (q.v. *T. crassipes* Planch.; MAXWELL, 1975)
T. strumarum Gagnep. or *apiculatum* Gagnep.; 1,2,6; V, not common, Nov.-Jan., Mar.-June (variable; MAXWELL, 1975)

L E E A C E A E

- Leea indica* (Burm. f.) Merr.; 1, S/T; common, July-Nov., Aug.-Jan.

S A P I N D A C E A E

- Allophyllus cobbe* (Linn.) Raeus.; 1,6; ET, ET'lt; common, Apr.-July, June-Aug.
A. montanus Willd.; 3, DV, not common, June-Aug., Aug.-Oct., Mar.-Dec.
Harpullia cupanioides Roxb.; 1, ET, not common, Feb.-Apr., Sept.-Nov.
Lepisanthes rubiginosa (Roxb.) Leenh.; 1,2; S, T'lt, T; common, Nov.-Mar., Dec.-Apr.
L. tetraphylla (Vahl) Radlk.; 1, ET, common, Nov.-Jan., Dec.-Mar.
Litchi chinensis Sonn.; 2, ET, not common, Jan.-Feb., April-May.
Mischocarpus pentapetalus (Roxb.) Radlk.; 1,2; ET, common, Jan.-Feb., April-June.
Nephelium hypoleucum Kurz; 2,1; ET, common, Jan.-Feb., May-June.
Schleichera oleosa (Lour.) Merr.; 3, DT, common, Jan.-Feb., Mar.-May, Feb.-Dec.
Zollingeria dongnaiensis Pierre; 3 DT, not common, Dec.-Jan., Jan.-Feb., Jan.-Nov.

S T A P H Y L E A C E A E

- Turpinia montana* (Bl.) Kurz; 2, ET, common, Dec.-Apr., June-Aug.

A N A C A R D I A C E A E

- Dracontomelum schmidii* Tard.; 1,2; ET, not common, Jan.-Feb., Apr.-July; NEW RECORD.
Holigarna helferi Hook. f. or *kurzii* King; 1,2; ET, not common, Jan.-Feb., Mar.-May.
Lannea coromandelica (Houtt.) Merr.; 3, DT, not common, Jan.-Feb., Mar.-Apr., Mar.-Dec.
Mangifera duperreana Pierre; 1, ET, not common, Dec.-Jan., June-Aug.
Spondias pinnata (Linn.f.) Kurz; 3, DT, common, Dec.-Feb., Apr.-June, Mar.-Dec.

B I S C H O F I A C E A E

- Bischofia javanica* Bl.; 1,2; DT, common, Jan.-Feb., May-Sept., Feb.-Dec.

C O N N A R A C E A E

- Cnestis palala* Merr.; 1,2; WC, not common, Feb.-Mar., Apr.-June.
Connarus semidecandrus Jack; 1,2; WC, common, Jan.-Mar., Aug.-Oct.
Ellipanthus tomentosus Kurz; 1, ET, not common, Feb.-Mar., May-June.

Roureopsis stenopetala (Griff.) Schell.; 1,2; V/WC; common, Mar.-Apr., May-July.

LEGUMINOSAE

Abrus fruticulosus Wall. ex Wight & Arn.; 6, V, common, Sept.-Jan., Nov.-Mar.

Acacia concinna DC.; 3,6; DWC, common, Sept.-Dec., Jan.-Mar., Jan.-Nov.

A. pennata (Linn.) Willd.; 6, D/EWC, very common, Jan.-Mar., Mar.-June, Jan.-Nov.

Adenantha microsperma Teijsm. & Binn.; 3, DT, common, Feb.-Apr., June-Aug., Feb.-Dec.

Azelia xylocarpa (Kurz) Craib; 3, DT, common, Jan.-Mar., Oct.-Jan., Apr.-Dec.

Albizia lebbekoides (DC.) Benth.; 3, DT, common, Aug.-Oct., Jan.-Mar., Apr.-Feb.

A. lucidior I. Niels.; 3, DT, not common, Apr.-June, Aug.-Oct., Mar.-Jan.

A. odoratissima Benth.; 3, DT, common, Mar.-Apr., Sept.-Jan., Mar.-Jan.

Bauhinia bracteata (Grah. ex Benth.) Bak.; 1,2,3,6; WC, Aug.-Oct., Nov.-Feb.

B. hirsuta Wein.; 3, DH/DS, common, Mar.-May, Apr.-July, Mar.-Jan.

B. scandens Linn. var. *horsfeldii* (Miq.) K. & S. Lars.; 1, WC, common, Sept.-Oct., Dec.-Feb.

B. viridescens Desv. var. *viridelia hirtella* Im.; 3, H, common, Mar.-Apr., Apr.-June

Butea superba Roxb.; 3, DWC, common, Jan.-Feb., Apr.-June, Mar.-Dec.

Caesalpinia cucullata Roxb.; 2,1; WC, not common, Dec.-Jan., Mar.-May.

C. digyna Rottl.; 3,6; WC, common, July-Sept., Sept.-Nov.

C. hymenocarpa (Pr.) Hatt.; 3,6; WC, common, Sept.-Nov.; Dec.-Feb.

Cassia fistula Linn.; 3, DT, common, Apr.-Aug., Aug.-Nov., Mar.-Dec.

C. garrettiana Craib; 3, DT, common, June-Aug., Sept.-Nov., Mar.-Jan.

C. javanica Linn. ssp. *nodosa* (Buch.-Ham. ex Roxb.) K. & S. Lars.; D?T, rare, May

C. mimosoides Linn.; 6, H, common, Oct.-Dec., Nov.-Jan.

C. pumila Lamk.; 6, H, common, Aug.-Oct., Sept.-Dec.

C. timorensis DC.; 6, DT/ET, common, Aug.-Oct., Sept.-Nov., Feb.-Dec.

Clitoria hanceana Hemsl. or *linearis* Gagnep.; 4, DS, not common, July-Aug., Sept.-Oct., Mar.-Dec.

Crotalaria acicularis Buch.-Ham. ex Benth.; 4,5; H, common, Oct.-Nov., Nov.-Dec.

C. albida Hey. ex Roth; 3, H, not common, Aug.-Oct., Sept.-Nov.

C. linifolia Linn. f.; 5, H, common, Sept.-Oct., Oct.-Nov.

Cruddasia sp.; 3, V, not common, Oct.-Nov., Nov.-Jan.

Dalbergia bariensis Pierre; 4, DT, common, Feb.-Mar., May-July, Feb.-Dec.

D. cochinchinensis Pierre ex Laness.; 3, DT, not common, Jan.-Feb., May-Sept., Feb.-Dec.

D. discolor Bl. ex Miq.; 3,6; ES, WC; common, June-Aug., Nov.-Jan.

D. nigrescens Kurz; 3, DT, not common, Feb.-Apr., May-July, Feb.-Dec.

D. ovata Grah.; 3, DT, common, Nov.-Jan., Jan.-Mar., Mar.-Feb., (synonym *D. floribunda* Craib)

Derris thyrsiflora Benth.; 1,2: WC, common, Oct.-May, Jan.-Aug.

D. wallichii Prain or *laotica* Gagnep.; 1,2; WC, not common, Aug.-Oct., fruit?.

- Desmodium biarticulatum* (Linn.) DC. ssp. *biarticulatum*; 4, H, common, June-Aug., July-Sept.
- D. dunnii* Merr.; 4, DS, common, Apr.-Sept., Aug.-Nov., Mar.-Dec.
- D. heterocarpon* (Linn.) DC. var. *birmanicum* (Watt. ex Pr.) Ohashi; 3,6; H, common, Oct.-Jan., Nov.-Feb.
- D. kurzii* Craib or *kurzianum* O.Ktz.; 3, DS, not common, Sept.-Oct., Nov.-Jan., Feb.-Dec.
- D. laxiflorum* DC.; 3, H, DS; common, Oct-Nov., Nov.,-Jan., Mar.-Dec.
- D. obcordatum* (Miq.) Kurz; 6, V, common, Oct.-Nov., Nov.-Jan.
- D. oblatum* Bak. ex Kurz; 3, H/DS; common, Oct.-Dec., Nov.-Jan., Mar.-Jan.
- D. pulchellum* Benth.; 3, DS/H, common, Oct.-Dec., Nov.-Jan., Mar.-Jan.
- D. reniforme* (Linn.) DC.; 1,3,6; H, common, Oct.-Dec., Nov.-Jan.
- D. teres* Wall. ex Benth.; 3,H, common, Oct.-Nov., Nov.-Dec.
- D. triangulare* (Retz.) Merr.; 3,6; DS, common, May-Aug., Aug.-Sept., Mar.-Dec.
- D. triquetrum* DC.; 6, H, common, Oct.-Dec., Nov.-Feb.
- D. velutinum* (Willd.) DC.; 6, T'lt, common, Oct.-Nov., Nov.-Jan.
- Dialium cochinchinense* Pierre; 3, DT, common, Apr.-June, Sept.-Nov., Mar.-Dec.
- Entada glandulosa* Pierre ex Gangep.; 3,6; V, common, Oct.-Dec., Jan.-Mar.
- E. phaseoloides* (Linn.) Merr.; 1,2; WC, common, Mar.-May, Oct.-Dec.
- Eriosema chinense* Vog.; 4, DH, common, May-Aug., July-Sept., Apr.-Jan.
- Erythrina arborescens* Roxb.; 2, D?T, not common, Dec.-Feb., June-July.
- E. stricta* Roxb.; 3, DT, not common, Dec.-Feb., Mar.-Apr., Apr. Dec.
- Indigofera uncinata* Roxb.; 3,6; DS, common, July-Sept., Aug.-Oct., Apr.-Dec.
- Mecopus nidulans* Benn.; 3, H, common, Oct.-Nov., Nov.-Jan.
- Millettia erythrocalyx* Gagnep.; 3, DT, rare, Feb.-Mar., Fruit? Feb.-Dec.
- M. pubinervis* Kurz; 1,3; ET, not common, Feb.-June, Nov.-Jan.
- M. racemosa* Benth.; 1,2; WC, common; Aug.-Oct., Nov.-Jan.
- Moghania macrophylla* (Wall.) O.Kuntze; 3, DS/H, Sept.-Oct., Nov.-Dec., Mar.-Jan.
- M. stricta* (Roxb.) O.Kuntze; 4,5; DS/H, common, Sept.-Nov., Oct.-Dec., Mar.-Jan.
- Mucuna atropurpurea* DC.: 1,6; V/WC, common, Oct.-Nov., Dec.-Mar.
- M. collettii* Lace; 2, WC, not common, Feb.-Mar., June-Aug.
- Phaseolus sublobatus* Roxb. var. *grandiflorus* Pr.; 5,6; V, not common, Oct.-Nov., Nov.-Dec.
- Pterocarpus macrocarpus* Kurz; 3,4; DT, common, Mar.-Apr., Apr.-July, Feb.-Dec.
- Pterolobium macropterum* Kurz; 3, D?WC, not common, Aug.-Sept., Oct.-Dec.
- P. microphyllum* Miq.; 2,1; WC, common, Oct.-Nov., Dec.-Jan.
- Pueraria anabaptista* Kurz; 6, V, not common, Oct.-Dec., Nov.-Jan.
- P. hirsuta* Kurz; 3, V, not common, Oct.-Nov., Dec.-Jan.
- P. thomsonii* Bth.; 6, V, common, Oct.-Nov., Nov.-Dec.
- Rynchosia* aff. *longipetiolata* Hoss.; 6 in 3, V, not common, Oct.-Nov., Dec.-Jan.
- Spatholobus harmandii* Gagnep.; 1,2; WC, not common, Jan.-Feb., Mar.-Apr. (synonym *S. compar* Craib; MAXWELL, 1975).

- S. parviflorus* O.Kuntze; 3,6; WC, common, Mar.-Apr., June-Oct.
Tephrosia repentina Drum. & Craib; 4, H, common, Aug.-Oct., Sept.-Nov.
T. wallichii Grah.; 6, S, common, July-Sept., Aug.-Oct.
Teramnus oxyphylla Kurz; 6, V, common, Oct.-Nov., Nov.-Jan.
Uria hamosa Wall. ex Wight & Arn.; 1, H, common, Oct.-Nov., Nov.-Jan.
U. lagopodioides (Linn.) Desv. ex DC.; 6,4; H, common, Apr.-Sept., May-Oct.
U. picta (Jacq.) Desv. ex DC.; 2, H/T'lt, rare, Aug.-Sept., Sept.-Oct.
U. rotundata Craib; 3,6; H, not common, Apr.-June, June-Sept.
Urariopsis cordifolia (Wall.) Schindl.; 3, H, not common, Oct.-Nov., Nov.-Dec.
Xylia xylocarpa Taub. var. *kerrii* (Craib & Hutch.) I. Niels.; 3, DT, common, Mar.-Apr.,
 Oct.-Dec., May-Dec.

ROSACEAE

- Eriobotrya bengalensis* (Roxb.) Hook. f. forma *bengalensis*; 1,2; ET, not common,
 Nov.-Dec., Mar.-Apr.

DROSERACEAE

- Drosera indica* Linn.; 5, H, not common, Nov.-Dec., Dec.-Jan.

HAMAMELIDACEAE

- Distylium annamicum* (Gagnep.) Airy-Shaw; 2, ET, common, Nov.-Jan., Mar.-July.

COMBRETACEAE

- Anogeissus acuminata* (Roxb. ex DC.) Guill. & Perr.; 3, D?T, not common, Jan.-Feb.,
 Feb.-Mar.
Calycopteris floribunda (Roxb.) Lamk.; 1,3,6; WC, common, Jan.-Feb., Mar.-May.
Combretum latifolium Bl.; 1,3,6; WC, common, Dec.-Feb., Mar.-May.
C. punctatum Bl. ssp. *squamosum* (Roxb. ex G. Don) Exell; 2, WC, common, Dec.-
 Jan., Mar.-June
Terminalia belirica (Gaertn.) Roxb.; 3, DT, common, Mar.-Apr., Oct.-Dec., Mar.-Dec.
T. calamansanai (Blanco) Rol.; 3, DT, common, Aug.-Sept., Oct.-Dec., Feb.-Dec.
T. triptera Stapf; 3, DT, not common, July-Aug., Sept.-Oct., Feb.-Dec.

LECYTHIDACEAE

- Careya arborea* Roxb.; 3,4,6; DT, common, Jan.-Mar., Mar.-Apr., Mar.-Dec.

RHIZOPHORACEAE

- Carallia brachiata* (Lour.) Merr.; 1, ET, common, Jan.-Mar., May-July.

MYRTACEAE

- Eugenia helferi* Duth.; 1, ET, not common, Apr.-May, May-July.
E. leptantha Wight; 1, ET, not common, Feb-Apr., Apr.-June (probably includes
E. leptalea Craib).
E. longiflora F. Vill.; 1, ET, not common, Dec.-Feb., Mar.-May.
E. siamensis Craib; 1,2; ET, very common, Nov.-Mar., Sept.-Dec.
Tristania burmanica Griff.; 4 (cliffs), E?T, common, Feb.-Mar., Apr.-May.

MELASTOMATACEAE

- Melastoma orientale* Guill.; 1, ES, not common, May-Sept., June-Oct.
Memecylon caeruleum Jack; 1, ET, common, June-Oct., Sept.-Dec.
M. edule Roxb. var. *ovatum* (Sm.) Cl.; 1, ET, common, Apr.-Sept., July-Dec.
M. edule Roxb. var. *scutellatum* (Lour.) Cl. (*M. scutellatum* (Lour.) Naud.); 1, ET, common, Jan.-June, May-Dec.
M. lilacinum Zoll. & Mor.; 1,2; ET, not common, June-Aug., Aug.-Oct.
Osbeckia chinensis Linn.; 5, H, common, Sept.-Nov., Oct.-Dec.

LYTHRACEAE

- Lagerstroemia calyculata* Kurz; 3, DT, common, Apr.-May, Aug.-Sept., Mar.-Dec.
L. collinsae Craib; 3, DT, common, Apr.-May, July-Sept., Mar.-Dec.
L. floribunda Jack var. *floribunda*; 6, ET, not common, July-Sept., Nov.-Jan.
L. subangulata (Craib) Furt. & Mont.; 3, DT, common, May-July, Sept.-Nov., Apr.-Dec.

SONNERATIACEAE

- Duabanga grandiflora* (Roxb. ex DC.) Walp.; 1,2; ET, not common, Jan.-Mar., Apr.-June.

BEGONIACEAE

- Begonia integrifolia* Dalz.; 1,2; H, not common, June-Sept., July-Oct. (MAXWELL, 1975).

TETRAMELACEAE

- Tetrameles nudiflora* R. Br. ex Benn.; 1,2; DT, common, Feb.-Mar., May-June, June-Nov.

CRYPTERONIACEAE

- Crypteronia paniculata* Bl.; 1,2; ET, rare, Dec.-Jan., Feb.-Mar.

PASSIFLORACEAE

- Adenia pierrei* Gagnep.; 2, V, not common, Feb.-Mar., Mar.-May

CUCURBITACEAE

- Alsomitra angustipetala* (Craib) Craib; 4, V, not common, May-Aug., fruit?.
A. sarcophylla (Wall.) Roem.; 3,6; V, not common, Oct.-Jan., Jan.-Mar.
Gynostemma pentaphyllum (Thunb.) Mak.; 6 in 2, V, rare, July-Sept., fruit?.
Melothria heterophylla (Lour.) Cogn.; 6, V, common, Mar.-Oct., fruit?, leaves variable.
M. maderaspatana (L.) Cogn.; 6, V, not common, May-Aug., June-Sept.
Momordica cochinchinensis (Lour.) Spreng.; 6, V, not common, May-Sept., July-Oct.
Trichosanthes rubiflos Thor. ex Cay.; 6, V, common, May-Sept., July-Nov.
T. wawraei Cogn.; 6 in 2, V, rare, June-July, fruit?.

UMBELLIFERAE

- Oenanthe javanica* (Bl.) DC.; 5, H, not common, Dec.-Feb., Jan.-Mar.

ARALIACEAE

Heteropanax fragrans Seem.; 2, D?T, rare, Nov.-Dec., Jan.-Mar.

Macropanax oreophilum Miq.; 2, ET, not common, Oct.-Dec., Dec.-Feb.

Schefflera elliptica (Bl.) Harms; 2, EWC/ES, not common, Jan.-Feb., Apr.-June
(for synonyms q.v. MAXWELL, 1975).

ALANGIACEAE

Alangium kurzii Craib; 2, E?T, rare, Mar.-Apr., fruit?.

A. salviifolium (Linn. f.) Wang. ssp. *hexapetalum* (Lamk.) Wang.; 3, DT, not common,
Jan.-Feb., Mar.-May, Mar.-Dec.

CAPRIFOLIACEAE

Viburnum punctatum Ham. ex D. Don; 2, ET, common, Nov.-May, Apr.-July

RUBIACEAE

Anthocephalus chinensis (Lmk.) Rich. ex Walp.; 1,2,6; ET, not common, May-July,
Sept.-Oct.

Argostemma unifolioides King; 1,2 (stream zone), H (on rocks), common, July-Sept.,
Aug.-Oct.

Canthium coffeoides Pierre ex Pit.; 1,2; ET, not common, Mar.-May, June-Aug.

C. glabrum Bl.; 1, ET, not common, July-Aug., Sept.-Nov.

Catunaregam spinosa (Thunb.) Tirv.; 3,4; DT, common, Feb.-Mar., Mar.-June,
May-Dec.

Chassalia ophioxylodes (Wall.) Craib; 1,2; ES, common, Mar.-Aug., May-Sept.

Coffea merguensis Ridl. var. *orientalis* (Wall. ex Hook. f.) Craib; 3, DS/DT, not
common, Jan.-Feb., Apr.-May, Mar.-Dec.

Coptosapelta tomentosa (Bl.) Val. ex K. Hey.; 2, WC, common, June-Aug., Aug.-Oct.

Fagerlindia fasciculata (Roxb.) Tirv. var. *fasciculata*; 1, T'lt, not common, Feb.-Mar.,
Apr.-July.

Gardenia coronaria Ham.; 3, DT, common, Feb.-May., Nov.-Jan., Mar.-Dec.

G. erythroclada Kurz; 4, DT, not common, Apr.-May, fruit?, Apr.-Dec.

G. obtusifolia Roxb.; 4, DT, not common, Apr.-May, Oct.-Dec., Apr.-Dec.

Geophila herbacea (L.) O.Kuntze; 2,1; H, common, July-Oct., Aug.-Dec.

Gynochthodes aff. *sublanceolata* Miq.; 2, WC, not common, Apr.-June, Oct.-Nov.

Haldina cordifolia (Roxb.) Ridsd.; 3, DT, not common, Mar.-Apr., June-July, Mar.-Dec.

Hedyotis coronaria (Kurz) Craib; 3,6; H, common, May-Dec., June-Jan.

H. hedyotideia (DC.) Merr. var. *pitardiana* (Craib) Fuk.; 6 in 1 and 2 H, common,
Apr.-Oct., May-Nov.

H. ovalifolia Cav.; 1,3; H, not common, May-Oct., June-Nov.

H. pinifolia Wall. ex G. Don; 4,6; H, common, July-Oct., Aug.-Nov.

H. tenelliflora Bl.; 4,6; H, common, July-Oct., Aug.-Nov.

H. wallichii Kurz; 4,5; H, common, July-Oct., Aug.-Nov.

- Hymenodictyon excelsum* (Roxb.) Wall.; 3, DT, not common, Mar.-May, Aug.-Nov., Mar.-Dec.
- Ixora cibdela* Craib; 1, ET'lt, common, Nov.-Jan., Dec.-Mar.
- I. finlaysoniana* Wall. ex G. con; 1, ES/ET, common, Mar.-June, June-Sept. (variable in habit and size of corolla).
- I. javanica* (Bl.) DC.; 3,4; ES, common, May-June, July-Sept.
- I. nigricans* W. & A.; 1; H, ES; common, Mar.-May, July-Sept.
- Knoxia corymbosa* Willd.; 6,4; H, not common, Oct.-Nov., Nov.-Dec.
- Lasianthus andamanicus* Hook. f. ; 1,2; ES, common, Mar.-May, Apr.-July.
- L. setosus* Craib; 2, ES, not common, veg. only.
- L. subinaequalis* King & Gamble; 2, T'lt, not common, Mar.-May, May-July.
- Metadina trichotoma*' (Zoll. & Mor.) Bakh. f.; 3, DT, not common; Jan.-Feb., May-June, Jan.-Nov. (synonym = *Adina parvula* Gedd. (Maxwell, 1975)).
- Mitragyna hirsuta* Hav.; 4, DT, not common, Feb.-Apr., Apr.-June, Feb.-Dec.
- Morinda cochinchinensis* DC.; 2, WC, not common, Mar.-Apr., June-July.
- M. tomentosa* Hey. ex Roth; 3, DT, not common, Mar.-May, June-Aug., Mar.-Dec.
- Mussaenda cambodiana* Pierre ex Pit.; 1,2; V/WC, common, Mar.-May, Apr.-July. (q.v. *M. sanderiana* Ridl.).
- M. longisepala* Gedd.; 1,2; WC, not common, June-July, July-Sept.
- Nauclea officinalis* (Pierre ex Pit.) Merr. & Chun; 2, ET, not common, Mar.-Apr., June-July.
- Neonauclea calycina* Marr.; 1,2; ET, not common, Apr.-May, July-Aug.
- Ophiorrhiza hispidula* Wall. ex G. Don; 1,2; H, not common, May-Aug., June-Sept.
- Oxyceros horrida* Lour.; 6 in 1 and 2; WC; common, Feb.-Apr., June-Dec.
- Paederia hirsuta* Craib; 6, V, common, Aug.-Oct., Nov.-Dec.
- P. tomentosa* Bl. var. *glabra* Kurz; 3,6; V, not common, June-Sept., Oct.-Dec.
- Pavetta aspera* Craib; 2, ES/ET'lt, not common, Mar.-Apr., June-Aug.
- P. indica* Linn. var. *indica*; 1, ES/ET'lt, common, Mar.-Apr., June-Aug.
- P. tomentosa* Roxb. ex Sm. var. *canescens* (Kurz) Craib; 3,4; DT, not common, Apr.-June, Sept.-Oct., Apr.-Dec.
- Prismatomeris fragrans* Gedd.; 3, ES/ET, common, Apr.-July, Aug.-Oct.
- Psychotria brunnescens* Craib; 4,3,1; ES, common, Mar.-Apr., July-Sept. (fruit described; MAXWELL, 1975).
- P. sarmentosoides* Val.; 2, V, not common, Mar.-May, May-Aug.
- P. aff. tonkinensis* Pit.; 2, ES, ET'lt, common, Feb.-Apr., Apr-June, NEW RECORD?.
- **Randia wittii* Craib; 3,2,1; ET/DT; not common, Mar.-May, Sept.-Feb., Apr.-Dec.
- Rothmannia schoemannii* (T. & B.) Tirv.; 2,1; ET, not common, July-Sept., Dec.-Feb.

* According to WONG (1984) *Randia* is "an exclusively American genus". His revision of *Randia* is confined to species found in the Malay Peninsula, thus *R. wittii* Craib, which is not found in this region, will eventually be included in some other genus.

Saprosma consimile Kurz; 1, ET'lt, not common, May-June, July-Sept., (probable synonym *S. latifolium* Craib; MAXWELL, 1975).

Saprosma sp.; 2, T'lt, common, Mar.-May, May-July

Tarenna collinsae Craib; 3,1; D/ES or D/ET, not common, Mar.-May, June-Jan., Feb.-Dec. (type locality Si Racha, aff. *T. attenuata* (Hook. f.) Hutch.; synonyms in MAXWELL, 1975).

Uncaria macrophylla Wall.; 6 in 2, WC, common, veg. only.

Wendlandia tinctoria DC. ssp. *orientalis* Cow.; 1, ET, not common, Mar.-Apr., May-July.

Xantonnea quocensis Pierre ex Pit.; 1, ET'lt, common, Mar.-May, June-Aug.

COMPOSITAE

Blumea membranacea DC., 3, H, common, Nov.-Jan., Dec.-Feb.

B. spectabilis DC.; 1,6; H, not common, Dec.-Feb., Jan.-Mar.

Elephantopus scaber Linn; 4, H, not common, Sept.-Nov., Oct.-Dec.

Emilia sonchifolia (Linn.) DC. ex Wight; 6,3; H, not common, May-July, June-Aug.

Eupatorium odoratum Linn.; 6, H, very common, Oct.-Feb., Nov.-Mar.

Gynura integrifolia Gagnep.; 4, H, not common, Aug.-Oct, Sept. - Dec.

G. pseudochina DC.; 4, DH, not common, May-July, June-Sept., May-Dec.

Inula cappa (Buch.-Ham.) DC.; 4, H, not common, Oct.-Dec., Nov.-Jan.

Vernonia cinerea (Linn.) Less.; 6, H, common, Oct.-Feb., Nov.-Mar.

V. craibiana Kerr; 2, V, not common, Oct.-Jan., Nov.-Feb. (q.v. *V. chevalieri* Gagnep.)

V. squarrosa Less.; 4, H, common, June-Aug., July-Oct.

MYRSINACEAE

Ardisia collinsae Flet.; 1, ET'lt, not common, June-Aug., Aug.-Nov.

A. colorata Roxb.; 1,2; ET, common, Oct.-Dec., Jan.-Mar.

A. crispa (Thunb.) A. DC. var. *crispa*.; 1, ES, not common, June-Sept., Aug.-Jan.

A. impressa Flet.; 2, ES, common, June-Aug., Aug.-Nov.

A. penduliflora Pit.; 1, ET, not common, Oct.-Jan., Dec.-Mar.

A. solanacea Roxb.; 1, ET, very common, Oct.-Jan., Dec.-Apr.

A. q.v. *albiflora* Pit., *villosula* Pit., and *Helferiana* Kurz; 1,2; ET'lt, not common, Nov.-Feb., Jan.-Apr.

A. q.v. *eglandulosa* Flet., and *nervosa* Flet.; 2, ET'lt, not common, veg. only.

Embelia ribes Burm. f.; 2, V/WC, not common, Jan.-Feb., Mar.-May.

E. villosa Wall.; 1,3; WC, not common, May-July, Sept.-Nov.

Maesa montana A. DC.; 1, ES, not common, Nov.-Jan., Jan.-Apr.

EBENACEAE

Diospyros apiculata Hier.; 1,2; ET, common, Feb.-Apr., Nov.-Jan.

D. areolata King & Gamble; 1,3; ET, not common, Feb.-Apr., Oct.-Dec.

D. buxifolia (Bl.) Hier.; 1, ET, common, veg. only.

D. castanea (Craib) Flet.; 3, DT, not common, Feb.-Mar., June-Aug., Feb.-Dec.

- D. curranii* Merr.; 1, ET, not common, Mar.-May, Aug.-Oct.
D. dasphylla Kurz; 3, DT, not common, Mar.-May, Aug.-Oct., Feb.-Dec.
D. hermaphroditica (Zoll.) Bakh.; 1,2; ET, not common, Sept.-Nov., June-Sept.
D. malabarica (Desv.) Kost.; 1,3; ET, common, Mar.-May, Nov.-Feb.
D. montana Roxb.; 3, DT, not common, Jan.-Apr., June-Oct., Feb.-Dec.
D. undulata Wall. ex G. Don; 1, ET, not common, May-July, Sept.-Dec.
D. variegata Kurz; 1,3; ET, not common, Mar.-Apr., May-July.

OLEACEAE

- Jasminum anodontum* Gagnep.; 1,2; V, not common, May-Sept., Aug.-Dec.
J. nervosum Lour.; 1, V, common, Dec.-Mar., May-Aug.
Linociera microbotrya Kerr; 1, ET, not common, Dec.-Feb., Jan.-Apr. (q.v. *L. ramiflora* (Roxb.) Wall. ex G. Don).
L. ramiflora (Roxb.) Wall. ex G. Don; 1, ET, not common, June-Aug., Nov.-Jan.
Myxopyrum smilacifolium (Wall.) Bl.; 1, WC, common, Jan.-Mar., Sept.-Nov.
Olea maritima Wall. ex G. Don; 2, ET, common, Dec.-Feb., Mar.-May.

SYMPLOCACEAE

- Symplocos cochinchinensis* (Lour.) S. Moore subsp. *Jaurina* (Retz.) Nooteb.; 4, DT, not common, Nov.-Dec., Feb.-Apr., Apr.-Dec.

APOCYNACEAE

- Aganosma harmandiana* Pierre ex Spire; 1,2; V, common, Apr.-June, Nov.-Jan.
A. marginata (Roxb.) G. Don; 1,2,6; V, common, Apr.-May, Aug.-Oct.
Alstonia scholaris (Linn.) R. Br.; 2, ET, not common, Nov.-Dec., Feb.-Mar.
Amalocalyx microlobus Pierre ex Spire; 1,3; V, common, Aug.-Oct., Dec.-Feb.
Anodendron manubriatum (Wall.) Merr.; 1,2; V/WC, common, June-Aug., Sept.-Nov.
Anodendron sp.; 2, WC, not common, Mar.-May, Aug.-Oct.
Beaumontia breviflora Oliv.; 1, WC, not common, Oct.-Dec., fruit?, (synonym *B. murtonii* Craib; MAXWELL, 1975)
Ervatamia luensis (Pierre ex Pit.) Kerr; 1, ES, common, Mar.-May, Oct.-Dec. (q.v. *E. sralensis* (Pierre ex Pit.) Kerr).
Holarrhena antidysenterica (Roth) Wall. ex A. DC.; 3, DT, common, Jan.-Mar., Aug.-Dec., Mar.-Dec.
H. densiflora Ridl.; 4, DH/DS, common, Mar.-May, Aug.-Nov., Mar.-Dec.
Ichnocarpus frutescens (Linn.) R. Br.: 6, V, common, Oct.-Dec., May-Aug.
I. fulvus Kerr; 1,3; V, common, Mar.-May, Dec.-Feb. (type locality Siracha; fruit described in MAXWELL, 1975).
I. ovatifolius A. DC.; 1, V, not common, May-July, Oct.-Dec.
Nouettea cochinchinensis Pierre; 1, V, common, July-Sept., Nov.-Feb.
Parameria laevigata (Juss.) Mold.; 1,2; WC, common, Aug.-Nov., Mar.-May.
Pottsia laxiflora (Bl.) O.Kuntze; 2, WC, not common, June-Sept., Oct.-Jan.
Rauwolfia cambodiana Pierre ex Pit.; 2, ET, not common, Mar.-May, July-Sept.

- R. serpentina* (Linn.) Benth. ex Kurz; 3, DH, not common, Mar.-June, Apr.-July, Mar.-Dec.
Strophanthus siamensis Kerr; 3,1; DV, not common, Mar.-May, Nov.-Feb., Mar.-Dec.
 (type locality Si Racha)
Trachelospermum curtisii King & Gamble; 2, WC, common, Apr.-June, Nov.-Jan.
Willughbeia cochinchinensis Pierre ex Pit.; 2, WC, not common, June-Oct., fruit?
Wrightia pubescens R. Br.; 3, DT, common, Mar.-May, Sept.-Jan., Apr.-Dec.
Xylinbaria minutiflora Pierre; 1, V, common, Apr.-June, Sept.-Dec.

ASCLEPIADACEAE

- Campestigma purpurea* Pierre ex Cost.; 1, V, common, May-June, Aug.-Oct.
Cosmostigma racemosa (Roxb.) Wight; 1, WC, May-June, fruit?
Cryptolepis buchananii Roem. & Schult.; 1, WC, common, Apr.-May, Sept.-Nov.
C. elegans Wall. ex G. Don; 1,3; V, rare, July-Aug., Oct.-Nov.
Cynanchum corymbosum Wight; 1, V, not common, Oct.-Nov., Jan.-Mar.
Dischidia hirsuta (Bl.) Decne.; 1,2; EpH, not common, Mar.-May, May-July.
D. minor (Vahl) Merr.; 1,2; EpH, common, Mar.-May, Apr.-June.
Gongronema sp.; 2, V, not common, Apr.-May, fruit?
Gymnema inodorum (Lour.) Decne.; 2, WC/V, not common, Apr.-May, fruit?
G. latifolium Wall. ex Wight; 1,2; WC, not common, Sept.-Nov., Dec.-Feb.
Heterostemma q.v. *oblongifolium* Cost.; 2, V, not common, May-Sept., fruit? (species described from fruiting material), NEW RECORD?
H. siamicum Craib; 6 in 1, V, common, June-Oct., Nov.-Feb.
Hoya diversifolia Bl.; 1,2; EpV, common, Jan.-May, Apr.-June (synonyms in MAXWELL, 1975).
H. kerrii Craib; 3, EpV, common, Apr.-May, June-July.
H. micrantha Hook. f.; 1,2; EpV, common, Jan.-Apr., Apr.-July.
Marsdenia glabra Cost.; 1,6; V, common, May-July, July-Oct.
M. tinctoria R. Br.; 2, V, not common, Apr.-May, fruit?
Myriopterum extensum (Wight) K. Schum.; 6 in 1 and 2; V, not common, Apr.-Sept., Oct.-Dec.
Streptocaulon juvenas (Lour.) Merr.; 6, V, common, June-Aug., Oct.-Dec.
Telosma cordata (Burm. f.) Merr. 3, DV, common, Mar.-Apr., Aug.-Oct., Feb.-Dec.
Toxocarpus siamensis Schl.; 1, V, common, Jan.-Mar., fruit?
T. spirei Cost.; 1, V, common, Apr.-May, Nov.-Feb.
Tylophora tenuis Bl.; 2, V, not common, June-Dec., Oct.-Mar.
Zygotelma benthami Baill.; 3,6; V, common, Apr.-July, fruit?

LOGANIACEAE

- Cynoctonum mitreola* (Linn.) Brit.; 5, H, not common, Oct.-Nov., Nov.-Dec.
Strychnos colubrina Linn.; 1,2; WC, common, July-Oct., Nov.-Feb.

GENTIANACEAE

Cotylanthera tenuis Bl.; 2, SH, rare, Sept.-Oct., Oct.-Nov.

BORAGINACEAE

Cordia cochinchinensis Gagnep.; 3,6; D?T, not common, Mar.-Apr, May-July.

Ehretia laevis Roxb.; 3, DT, not common, Dec.-Mar., Apr.-June, Jan.-Nov.

CONVOLVULACEAE

Argyreia obtecta (Choisy) C.B. Cl.; 1,2; V, not common, Aug.-Nov., Dec.-Feb.

A. osyrensis (Roth) Choisy; 3, V, not common, Oct.-Dec., Dec.-Feb.

Ericibe citriniflora Griff.; 1,2; WC, not common, Jan.-Feb., Mar.-May.

E. glomerata Bl.; 1,2; WC, not common, Oct.-Nov., Nov.-Jan.

Hewittia sublobata (Linn. f.) O.Kuntze; 6, V, not common, Mar.-May, Apr.-July.

Ipomoea nil (Linn.) Roth; 3,6; V, not common, Aug.-Oct., Sept.-Nov.

I. sumatrana (Miq.) v. Oostr.; 2, WC, common, Sept.-Oct., Dec.-Jan.

Jacquemontia paniculata (Burm. f.) Hall. f.; 6 in 1 and 2; V, common, Sept.-Nov., Oct.-Dec.

Telosma cordata (Burm. f.) Merr. 3, DV, common, Mar.-Apr., Aug.-Oct., Feb.-Dec.

Neuropeltis racemosa Wall.; 1,2; WC, common, Nov.-Jan., Dec.-Mar.

Porana bialata Kerr; 1,2; V, common, June-Sept., Sept.-Nov.

P. spectabilis Kurz; 1,2; WC, common, Aug.-Oct., Oct.-Jan.

SOLANACEAE

Solanum biflorum Lour.; 6 in 2, ET'lt, rare, July-Sept., Aug.-Oct., (q.v.

S. denticulatum Bl.).

S. erianthum D. Don; 6 in 1 and 2, ET, not common, Jan.-Dec., Jan.-Dec.

S. ferox Linn.; 6 in 1 and 2; H, not common, July-Oct.; Sept.-Nov.

SCROPHULARIACEAE

Adenosma capitatum Benth.; 5 H, common, Oct.-Nov., Nov.-Dec.

Buchnera cruciata Ham.; 5, H, not common, Sept.-Nov., Oct.-Dec.

Limnophila repens (Bth.) Bth.; 5, H, common, Sept.-Nov., Oct.-Dec.

Lindernia antipoda (L.) Alst.; 6, H, common, Aug.-Dec., Nov.-Jan.

L. ciliata (Col.) Penn.; 5, H, common, Aug.-Nov., Sept.-Dec.

L. crustacea (L.) F. Muell.; 4,6; H, common, June-Nov., July-Dec.

L. latifolia (Bl.) Kds.; 6 in 1; H, not common, Mar.-May, June-Aug.

L. oblonga (Bth.) Kerr; 5, H, common, July-Nov., Aug.-Dec.

L. pusilla (Willd.) Merr.; 5, H, common, July-Nov., Aug.-Dec.

Sopubia delphinifolia G. Don; 4,5; H, not common, Nov.-Dec., Dec.-Feb.

**Staurogyne glauca* (Nees) O.Kuntze; 5, H, not common, Oct.-Dec., Nov.-Jan.

S. longeciliata Brem.; 1,3; H, not common, Dec.-Feb., Jan.-Mar.

S. malaccensis C.B. Cl. var. *stenophylla* Brem.; 2, H, rare, July-Sept., Aug.-Oct.

**Staurogyne*, often included in Acanthaceae

Striga asiatica (L.) O. Kuntze; 6, H, common, June-Oct., July-Nov.
Torenia violacea (Aza.) Penn.; 1,3,6; H, common, June-Oct., July-Nov.

LENTIBULARIACEAE

Utricularia bifida L. var. *bifida*; 5, H, common, Aug.-Nov., Sept.-Dec.
U. caerulea L.; 5, H, common, Sept.-Nov., Oct.-Dec.
U. geoffrayi Pell.; 5, H, not common, Sept.-Nov., Oct.-Dec.
U. hirta Klein ex Link; 5, H, rare, Sept.-Nov., Oct.-Dec.
U. minutissima Vahl; 5, H, common, Aug.-Nov., Sept.-Dec.

GESNERIACEAE

Aeschynanthus longicaulis Wall.; 2, EpV, not common, Aug.-Oct., Nov.-Jan.
Chirita involucrata Craib; 1,2; H (on rocks), not common, Oct.-Dec., Nov.-Jan.
Epithema carnosa Bth.; 1,2; H (on rocks), not common, Aug.-Oct., Sept.-Nov.
Rhynchoglossum obliquum Bl.; 1,2; H (on rocks, logs), Sept.-Nov., Oct.-Dec.

BIGNONIACEAE

Fernandoa adenophylla (G. Don) Steenis; 3, DT, not common, May-July, Dec.-Feb.,
 Apr.-Dec.
Markhamia pierrei Dop; 3, DT, not common, May-July, Nov.-Jan., Apr.-Dec.
Nyctocalos brunfelsiiflorus Teij. & Binn.; 2,1; V, not common, July-Oct., Sept.-Dec.
Oroxylum indicum (L.) Vent.; 3,6; DT, not common, July-Oct., Nov.-Jan., Apr.-Dec.
Radermachera pierrei Dop; 1,2 DT/ET, common, Dec.-Aug., Jan.-Sept., Feb.-Dec.
Stereospermum personatum (Hassk.) Chatt.; 3, DT, not common, Apr.-July, July-Sept.,
 Apr.-Dec.

THUNBERGIACEAE

Thunbergia fragrans Roxb. var. *fragrans*; 3, V, common, Sept.-Nov., Oct.-Jan.
T. fragrans Roxb. var. *vestita* Nees; 3, V, not common, July-Sept., Sept.-Nov.
T. grandiflora Roxb.; 6 in 1 and 2, V, common, Sept.-Jan., Nov.-Mar.

ACANTHACEAE

Andrographis laxiflora (Bl.) Lind.; 3, H, not common, Sept.-Nov., Oct.-Dec.
A. paniculata (Burm.) Wall. ex Nees; 3, H, not common, Sept.-Nov., Oct.-Dec.
Barleria strigosa Willd.; 1,3; H, common, Aug.-Oct., Sept.-Nov.
Clinacanthus siamensis Brem.; 2, H/V (scandent), not common, Jan.-Apr., Apr.-July
 (q.v. *C. nutans* (Burm. f.) Lind).
Gymnostachyum signatum (R. Ben.) Im.; 3, H, not common, Oct.-Nov., Nov.-Dec.
Peristrophe baphica (Spr.) Brem.; 1,2; H, common, Nov.-Dec., Dec.-Jan.
Phlogacanthus asperulus Nees; 2, ES/ET'lt, rare, Jan.-Feb., Feb.-Mar.
Pseuderanthemum palatiferum (Wall.) Rad.; 1,2; H, common, Dec.-Feb., Jan.-Mar.
 (synonym *P. longistylum* Im.).
Rhyticalymma kerrii (Im.) Brem.; 1,2; ES, common, Oct.-Dec., Nov.-Jan.
Ruellia hirtella Im.; 3, H, common, Mar.-Apr., Apr.-June.

Strobilanthes subflaccidus Kurz; 2, H, very common, Dec.-Jan., Jan.-Feb., NEW RECORD (rarely flowers).

VERBENACEAE

- Callicarpa psilocalyx* C.B. Cl.; 6 in 2, ES, not common, Apr.-Aug., July-Oct.
Clerodendrum paniculatum L.; 1,6; H/ES, common, Apr.-Aug., July.-Oct.
C. schmidtii C.B. Cl.; 1, ES/ET'It, common, Oct.-Nov., Nov.-Dec.
C. wallichii Merr.; 1,2,6; ES/ET'It, common, Oct.-Nov., Nov.-Dec.
Congea tomentosa Roxb. var. *nivea* Munir; 1,2,6; WC, common, Nov.-Jan., Jan.-Mar.
Gmelina asiatica L.; 3, DS, not common, Feb.-Mar., June-Aug., Mar.-Dec.
Hymenopyramis brachiata Wall. ex Kurz; 3, 6 in 1 and 2; WC, common, Feb.-Aug., July-Nov. (synonyms in MAXWELL, 1975).
Premna herbacea Roxb.; 4,3; DH, common, Apr.-July, June-Sept., Apr.-Dec.
Sphenodesme pentandra Jack; 1,2; WC, common, Jan.-Feb., Mar.-Apr.
Vitex canescens Kurz; 3, DT, common, Jan.-Apr., June-Aug., Feb.-Dec.
V. glabrata R. Br.; 3, DT, common, Feb.-Apr., June-Aug., Feb.-Dec.
V. limonifolia Wall. ex Kurz; 3, DT, common, Aug.-Oct., Nov.-Feb., Feb.-Dec.
V. pubescens Vahl; 3, DT, common, Mar.-May, Oct.-Dec., Feb.-Dec.

LABIATAE

- Anisomeles indica* (L) O. Kuntz; 6, H, not common, Nov.-Jan., Dec.-Feb.
Gomphostemma javanicum (Bl.) Bth.; 1,2.; H, not common, Aug.-Dec., Oct.-Jan.
G. wallichii Pr.; 3, H, not common, Oct.-Nov., Nov.-Dec.
Leucas mollissima Wall.; 3,4; H, common, Sept.-Nov., Oct.-Dec.,
Nosema cochinchinensis (Lour.) Merr.; 4, H, common, Sept.-Oct. Nov.-Dec.
Orthosiphon aristatus (Bl.) Miq.; 1,2; H, not common, June-Sept., July-Oct.
O. rubicundus (D. Don) (Benth.); 3, H, not common, Jan.-Mar., Feb.-Apr.

NYCTAGINACEAE

- Pisonia aculeata* L.; 6 in 1 and 2, WC, common, Nov.-Feb., Jan.-Mar.
P. excelsa Bl.; 2, ET, rare, Dec.-Jan., Mar.-May.

POLYGONACEAE

- Polygonum chinense* L.; 6 in 2, H, not common, Oct.-Jan. Nov.-Feb.

AMARANTHACEAE

- Achyranthes aspera* L.; 6, H, common, Jan.-Dec., Jan.-Dec.
Aerva sanguinolenta (L.) Bl.; 1, H, common, July-Jan., Aug.-Feb.

ARISTOLOCHIACEAE

- Aristolochia roxburghiana* Klot.; 6, V, common, Apr.-Aug., Oct.-Jan.

PIPERACEAE

- Piper ribesoides* Wall.; 1,2; V/WC, common, Mar.-May, Nov.-Feb.
P. sect. Eupiper q.v. *pedicellatum* C. DC.; 1,2; V, not common, flowers? fruit June-Aug.

P. sect. *Eupiper*; 1,2; V, common, staminate flowers June-Aug., female flowers and fruit? (bracts peltate, possibly 2 species represented).

MYRISTICACEAE

Horsfieldia irya (Gaertn.) Warb.; 1,2; ET, not common, Jan.-Mar., Sept.-Nov. (flowering observed June-July with fruits in Mar.-Apr., possibly another species).

Knema erratica (Hk.f. & Th.) Warb.; 1,2; ET, common, Nov.-Feb., Dec.-Mar.

LAURACEAE

Actinodaphne henryi Gamb.; 2, ET, not common, Nov.-Jan., fruit?

Beilschmiedia roxburghiana Nees; 1,2; not common, Feb.-Apr., June-Aug.

Cinnamomum iners Reinw. ex Bl.; 2, ET, not common, Jan.-Feb., Apr.-June.

Cryptocarya chanthaburiensis Kost.; 2, ET, not common, Feb.-Mar., Sept.-Nov.

C. lecomtei Kost.; 2, ET, not common, Mar.-May, fruit?

Dehaasia sp.; 2, ET, not common, Feb.-Mar., June-Aug.

Litsea amara Bl.; 1, ET, not common, Jan.-Apr., Apr.-June.

L. glutinosa (Lour.) C.B. Rob.; 1,3; ET, common, Apr.-June, June-Aug.

Phoebe tavoyana (Meissn.) Hook. f.; 1,2; ET, common, Dec.-Feb., Apr.-June.

HERNANDIACEAE

Illigera pierrei Gagnep.; 6 in 1 and 2, V, common, Sept.-Nov., Dec.-Feb.

PROTEACEAE

Helicia excelsa (Roxb.) Bl.; 2, ET, not common, Jan.-Mar., fruit?

LORANTHACEAE

Dendrophthoë pentandra (L.) Miq.; 3,1; PH/S, common, Mar.-May, July-Sept.

Helixanthera cylindrica (Jack) Dans.; 2, PS, common, May-July, Sept.-Nov.

H. parasitica Lour.; 2, PS, common, May-July, Aug.-Oct.

Scurrula atropurpurea (Bl.) Dans.; 1,3; PS, common, Jan-Dec., Jan.-Dec.

Viscum articulatum Burm. f.; 3,1; PH/S, not common, Jan.-Dec., Jan.-Dec.

V. ovalifolium Wall. ex DC.; 3, PS, common, May-July, Aug.-Nov.

THYMELAEACEAE

Wikstroemia polyantha Merr.; 2, ES, common, Oct.-Dec., Dec.-Feb.

ELAEGNACEAE

Elaeagnus latifolia L.; 2, WC, common, July-Sept., Dec.-Feb.

BALANOPHORACEAE

Balanophora abbreviata Bl.; 2, PH, rare, June-Sept., July-Oct.

OPILIACEAE

Cansjera rheedii Gmel.; 1, WC/ES, not common, Nov.-Dec., Jan.-Mar.

Melientha suavis Pierre; 3, ET, not common, Dec.-Feb., Mar.-May

Urobotrya siamensis Hiep.; 1, ES, common, Nov.-Jan., Dec.-Apr.

EUPHORBIACEAE

- Alchornea rugosa* (Lour.) M.-A.; 1,2; ES/ET, common, Dec.-Jan., Feb.-Apr.
Aporosa dioica (Roxb.) M.-A.; 1,3; ET, not common, Jan.-Mar., Feb.-May.
A. frutescens Bl.; 4, DT, common, Feb.-Apr., May-June, Feb.-Dec.
A. planchoniana Baill. ex M.-A.; 1, ET, not common, Dec.-Jan., Mar.-Apr.
Baccaurea ramiflora Lour.; 1,2; ET, common, Dec.-Mar., Apr.-June.
Baliospermum montanum (Willd.) M.-A.; 3, DH, common, Dec.-Feb., Jan.-Mar.,
 Jan.-Nov.
B. siamense Craib; 3, DH, not common, Dec.-Feb., fruit?, Jan.-Nov.
Breynia angustifolia Hk. f.; 3, DS, common, Jan.-Mar., Apr.-June, Jan.-Nov.
B. vitis-idaea (Burm. f.) C. Fisch.; 1, ES/ET, common, Nov.-Dec., Mar.-Apr.
Bridelia harmandii Gagnep.; 4, DS, not common, June-Sept., Sept.-Nov., Mar.-Dec.
B. ovata Decne.; 6, ET, not common, Oct.-Dec., Jan.-Mar.
B. penangiana Hk. f.; 2, DT, rare, flowers?, Feb.-Apr., Nov.-Oct. NEW RECORD
B. stipularis (L.) Bl.; 1,2,6; WC, common, Oct.-Nov., Dec.-Jan.
B. tomentosa Bl.; 3,6; ET, common, Sept.-Oct., Dec.-Jan.
Chaetocarpus castanocarpus (Roxb.) Thw.; 1,2; ET, common, Nov.-Jan., Dec.-Mar.
Cladogynos orientalis Zipp. ex Span.; 1, EH/ET'lt, common, Oct.-Jan., Dec.-Mar.
Claoxylon indicum (Reinw. ex Bl.) Hassk.; 1,2,6; ET, not common, Mar.-May,
 May-July.
Cleidion spiciflorum (Burm. f.) Merr.; 1,2; ET, common, Oct.-Jan., May-July.
Cleistanthus hirsutulus Hk. f.; 1, ES/ET, not common, Feb.-Mar., Apr.-June.
C. sumatranus (Miq.) M.-A.; 2, ET, not common, April-June, fruit?
C. tomentosus Han.; 1, ES, common, Nov.-Jan., Dec.-Mar.
Cnesmone javanica Bl.; 1,3; H/V, not common, June-Oct., Aug.-Nov.
Croton argyratus Bl.; 1, ET'lt, not common, Feb.-Apr., June-Sept.
C. cascarilloides Raeus.; 1, ES, common, Dec.-Feb.-Feb.-Apr.
C. robustus Kurz; 1,3; D?T, common, Nov.-Jan., Jan.-Mar.
C. sublyratus Kurz; 3, DT, common, Jan.-Apr., Feb.-May, Feb.-Dec.
C. thorelii Gagnep.; 3, E?H/S, not common, Sept.-Nov., Oct.-Jan.
Drypetes harmandii Pierre ex Gagn.; 1, ET, rare, flowers?, Nov.-Jan.
Epiprinus siletianus (Baill.) Croiz.; 2, ET, common, Dec.-Mar., Apr.-Aug.
Erismanthus sinensis Oliv.; 1,2; ET, common, Dec.-Feb., Jan.-Apr.
Euphorbia vachellii Hk. & Arn.; 4,6; H, not common, Aug.-Oct., Sept.-Nov.
Excoecaria oppositifolia Griff.; 1,2; ET, common, Feb.-Apr., May-Aug.
Clochidion assamicum (M.-A.) Hk. f.; 2, ET, rare, July-Sept., Sept.-Nov.
G. sphaerogynum (M.-A.) Kurz; 2, ET, not common, Aug.-Sept., Nov.-Jan.
Leptopus australis (Zoll. & Mor.) Poj.; 1,2; H, common, Apr.-Nov., May-Dec.
Macaranga gigantea (Rchb. f. & Zoll.) M.-A.; 6 in 1 and 2, ET, common, Jan.-May,
 Apr.-July.
M. tanarius (L.) M.-A.; 1, ET, common, Nov.-Jan., Feb.-Apr.

- Mallotus decipiens* M.-A.; 1, ES/ET, common, Aug.-Dec., Nov.-Mar.
M. paniculatus (Lmk.) M.-A.; 6 in 1 and 2, ET, common, Oct.-Feb, Dec.-May.
M. peltatus (Geis.) M.-A.; 1, ET'lt, common, Dec.-Feb., Mar.-May.
M. philippensis (Lmk.) M.-A.; 6 in 1 and 2, ET, common, Jan.-May, Apr.-July.
Pachystylidium hirsutum (Bl.) Pax & Hoff.; 3,1; V, not common, Mar.-May, Aug.-Nov.
Phyllanthus collinsae Craib; 3,1,6; DS/DT'lt, common, May-Aug., July-Oct.,
 Mar.-Dec. (type locality Si Racha).
P. emblica L.; 3, DT, not common, Feb.-Apr., Oct.-Dec., Mar.-Dec.
P. reticulatus Poir.; 6 in 1 and 2, WC, not common, Nov.-Dec., Jan.-Mar.
Sapium insigne (Roy.) Bth.; 3, DT, rare, Dec.-Feb., Feb.-Apr., Apr.-Dec.
Sauropus androgynus (L.) Merr.; 1,2; ES/ET'lt, not common, Apr.-Sept., July-Nov.
S. brevipes M.-A.; 3, DH/DS, common, Feb.-Apr., Mar.-May, Feb.-Dec.
S. hirsutus Beille; 4, DH/DS, not common, May-Sept., July-Nov., Feb.-Dec.
S. quadrangularis (Willd.) M.-A. var. *puberulus* Kurz; 4, DS, not common, Mar.-May,
 May-July, Feb.-Dec.
Strophoblachia glandulosa Pax var. *pandurifolia* A.-S.; 3,4; DH, common, Jan.-Oct.,
 Mar.-Dec., Mar.-Dec.
Sumbaviopsis albicans (Bl.) J.J.S.; 1, ET, common, Jan.-Feb., Mar.-May.
Suregada multiflora (A. Juss.) Baill.; 1, ET, common, Nov.-Mar., Mar.-May.
Trigonostemon reidioides (Kurz) Craib; 4, D?H/S, common, Mar.-May, Apr.-June.

PANDACEAE*

- Microdesmis caseariifolia* Pl.; 1, ET'lt; common, Jan.-Aug., June-Nov.

STILAGINACEAE*

- Antidesma acidum* Retz.; 3, ET/DS, common, Mar.-May, Aug.-Oct., Feb.-Dec.
A. buniis (L.) Spreng.; 2, ET, rare, Feb.-Apr., June-Aug.
A. ghaesembilla Gaertn.; 4, D?T, not common, Dec.-Feb., Apr.-June.
A. japonicum Sieb. & Zucc.; 1, ET'lt, Jan.-Mar., July-Sept.
A. montanum Bl.; 1, ET'lt, not common, Jan.-Feb., June-Aug.
A. sootepense Craib; 1,3; ET'lt, ET, common, Apr.-July, Sept.-Nov.
A. velutinum Tul.; 1, ES/ET, not common, July-Oct., Oct.-Jan.

ULMACEAE

- Celtis tetrandra* Rehb.; 2, ET, not common, Mar.-May, June-Aug.
Gironniera nervosa Pl.; 2, ET, very common, Nov.-Mar., June-Nov.
Trema q.v. *cannabina* Lour.; 3,1; D?T, rare, Jan.-Mar., fruit?.
T. orientalis (L.) Bl.; 6, ET, common, Jan.-Dec., Jan.-Dec.

MORACEAE

- Artocarpus nitidus* Trec.; 1,2; ET, not common, Apr.-June, Aug.-Oct.

*usually included in Euphorbiaceae.

- Broussonetia kurzii* (Hk. f.) Corn.; 6, DWC, common, Dec.-Feb., Feb.-Apr., Mar.-Dec.
Ficus altissima Bl.; 1,2,3; D?T, common, Mar.-Oct., July-Nov.
F. annulata L.; 2, ET, not common, July-Sept., Sept.-Nov.
F. benjamina L., 2, ET, not common, July-Sept., Sept.-Nov.
F. callosa Willd.; 1,2; ET, not common, Nov.-Jan., Dec.-Mar.
F. capillipes Gagnep.; 1,3; DT, not common, Dec.-Feb., Jan.-Apr., Feb.-Dec.
F. fistulosa Reinw. ex Bl.; 1,2; ET, not common, Jan.-Dec., Jan.-Dec.
F. fulva Reinw. ex Bl.; 2, ET, rare, May-July, June-Oct.
F. hederacea Roxb.; 2, WC, not common, July-Jan., Sept.-Mar.
F. heteropleura Bl.; 1,2. ES, WC; common, July-Jan., Sept.-Mar.
F. hirta Vahl; 1,2; ES/ET'lt, not common, Mar.-May, Apr.-June.
F. hispida L. f.; 6 in 1 and 2, ET, common, Jan.-Dec., Jan.-Dec.
F. kurzii King; 1,2 ET, rare, June-Aug., July-Sept.
F. laevis Bl.; 2, WC, not common, May-July, June-Sept.
F. lamponga Miq.; 1,2; D?T, rare, Apr.-Aug., May-Sept. (leafless individual July-Oct.).
F. obscura Bl.; 1 (stream zone), ES, rare, June-Sept., July-Oct.
F. oligodon Miq.; 2, ET, rare, Sept.-Jan., Jan.-May.
F. punctata Thunb.; 2, WC, common, Mar.-May, May-July.
F. rumphii Bl.; 3, DT, not common, Dec.-Feb., Jan.-Mar., Apr.-Dec.
F. sagittata Vahl; 2, WC, not common, Sept.-Nov., Oct.-Jan.
F. sundaica Bl., 1,2; ET, not common, Jan.-May, Feb.-July.
F. superba Miq. var. *superba*; 3, DT, not common, Jan.-Mar., Feb.-May, Apr.-Feb.
F. tinctoria For. f.; 1,2; ET, not common, June-Oct., July.-Nov.
F. vasculosa Wall. ex Miq. var. *vasculosa*; 2, ET, not common, June-Sept., July-Oct.
F. villosa Bl.; 2 WC, common, Jan.-Mar., Feb.-May.
F. sp.; 2, ET, not common*
F. sp.; 3, DT, not common**
Maclura cochinchinensis (Lour.) Corn.; 2, WC, not common, staminate flowers
 Mar.-Apr., female flowers and fruit?
Streblus aspera Lour. var. *aspera*; 1, ET, common, Jan.-Mar., Mar.-Apr.
S. taxoides (Hey.) Kurz; 1, ET, common, Jan.-Mar., Feb.-Apr.

URTICACEAE

- Laportea disepala* (Gagn.) Chew; 6 in 1 and 2, H, not common, July-Aug., Aug.-Oct.

* This is a large strangler with leaves reminding me of *F. benjamina* L.; however, they are much larger than any specimens of this species in BK. Mature receptacles have not been seen, but one specimen (Smitinand 10227 from Chiang Mai) has leaves like my material and pubescent réceptacle. I have been unable to identify this specimen also.

**A large, deciduous, strangling species found on Khao Chomphu. Leaf fall was observed in October 1976 and new ones emerged in November. I have not seen or collected receptacles from this tree, thus it remains unidentified. The leaves do not resemble any specimens in BK.

- Pellionia bulbifera* (kurz) Hk. f. var. *bulbifera*; 1,2; H, common, May-Aug., Aug.-Oct.
P. latifolia Bl.; 1,2; H, common, Apr.-June, May-Aug.
P. repens (Lour.) Merr.; 1,2; H, common, Apr.-Aug., May-Sept.
Poikilospermum suaveolens (Bl.) Merr.; 1,2; WC, common, Dec.-Mar., June-Aug.
Pouzolzia viminea Wedd.; 6 in 1; EH/ES, common, Oct.-Dec., Nov.-Jan.

FAGACEAE

- Castanopsis piriformis* Hick. & A. Cam.; 2, ET, not common, Aug.-Oct., June-Aug.
Quercus q.v. *mespilifolioides* A. Cam. and *kerrii* Craib; 2, ET, not common, flowers?,
 fruit July-Sept.

MONOCOTYLEDONES

HYDROCHARITACEAE

- Hydrilla verticillata* (L.f.) Roy.; 5 (aquatic), H, common, June-Jan., July-Feb.

BURMANNIACEAE

- Burmannia coelestris* Don; 5, H, not common, Oct.-Dec., Nov.-Jan.
B. oblonga Ridl.; 2, SH, rare, Aug.-Nov., Sept.-Dec.

ORCHIDACEAE

- Abdominea minimiflora* (Hk.f.) J.J.S.; 2, EpH, not common, Oct.-Nov., Nov.-Jan.
Acanthephippium sylhetense Ldl.; 2, H, rare, Mar.-Apr., fruit?
Aerides falcatum Ldl.; 1,3 EpH, common, May-June, Aug.-Sept.
Agrostophyllum bicuspidatum J.J.S.; 2, EpH, common, June-July, Nov.-Jan.
Bulbophyllum lepidum (Bl.) J.J.S.; 1,2,4; not common, June-July, fruit?
Calanthe triplicata (Will.) Ames; 2, H, very common, Apr.-June, June-Aug.
Camerotis apiculata Rehb. f.; 2, EpH, rare, June-Aug., fruit?
Cleisestoma discolor Ldl.; 2, EpH, not common, Apr.-May, July-Sept.
C. paniculatum (Ker.-Gewl.) Garay; 1, EpH, common, June-Aug., Aug.-Oct.
C. subulatum Bl.; 2, EpH, not common, Sept.-Oct., fruit?
Coelogyne pachybulbon Ridl.; 2, EpH, common, Jan.-Feb., Feb.-Apr.
Corymborchis veratrifolia Bl.; 2, H, rare, flowers and fruit?
Cymbidium simulans Rol.; 3,1; EpH, not common, Feb.-Apr., Mar.-July.
Dendrobium acerosum Ldl.; 2, EpH, common, flowers and fruit?
D. schmidtianum Krzl.; 1,2; EpH, not common, July-Sept., Aug.-Nov.
D. tixieri Guill.; 1, EpH, common, June-Aug., July-Sept.
Eria xanthochelia Ridl.; 2, EpH, not common, Oct.-Nov., fruit?
E. sp.; 2, EpH, not common, flowers and fruit?
Gastrodia exilis Hk. f.; 2, SH, rare, July-Aug., Sept.-Oct. (*G. siamensis* Rol. ex Dow.).
Geodorum citrinum Jacks.; 3, H, common, May-July, July-Sept.
Habenaria columbae Ridl.; 3, H, not common, Aug.-Sept., Sept.-Nov.
H. dentata (Sur.) Schl.; 3, H, rare, Oct.-Nov., Nov.-Jan.
H. furcifera Ldl.; 3, H, rare, Oct.-Nov., Nov.-Jan.

- H. recurva* Rol. ex Dow.; 3, H, rare, July-Sept., Aug.-Oct.
Kingidium decumbens (Griff.) Holtt.; 1,2; EpH, not common, May-Aug., June-Sept.
Liparis bootanensis Griff.; 2, EpH, common, June-Aug., Aug.-Oct.
L. caespitosa (Thou.) Ldl.; 2, EpH, common, July-Aug., Oct.-Nov.
Malleola dentifera J.J.S.; 1,2; EpH, July-Aug., Sept.-Oct.
Oberonia sp.; 2, EpH, not common. flowers and fruit?
Pennilabium angraecum (Ridl.) J.J.S.; 1, EpH, not common, June-Aug., Aug.-Oct.
Pholidota pallida Ldl.; 2, EpH, not common, July-Aug., Sept.-Oct.
Pteroceras appendiculatum (Bl.) Holtt.; 2, EpH, not common, June-Aug., Aug.-Oct.
Rhynchogyna luisifolia (Ridl.) Seid. & Garay; 1, EpH, not common, Sept.-Oct., Oct.-Nov.
Rhynchostylis coelestis Rchb. f.; 3,1; EpH, not common, May-June, July-Aug.
Robiquetta spathulata (Bl.) J.J.S.; 1,2; EpH, common, Jan.-Mar., Mar.-May.
Stereosandra javanica Bl.; 2, SH, rare, Apr.-June, May-July.
Thrixspermum q.v. *arachnites* (Bl.) Rchb. f.; 2, EpH, not common, May-July, July-Sept.
Zeuxine nervosa Bth.; 2, H, rare, Dec.-Jan., Jan.-Mar.
 Orchidaceae; 2, H, rare, veg. only.

ZINGIBERACEAE

- Alpinia macroura* K. Sch.; 2, H, common, Feb.-Mar., Mar.-May.
Amomum q.v. *krervanh* Pierre ex Gagn.; 1,2; H, not common, Apr.-May, July-Aug.
A. uliginosum Koen.; 1,2; H, very common, Apr.-July, June-Oct.
Boesenbergia pandurata (Roxb.) Schltr.; 3, H, not common, June-Aug., Aug.-Oct.
B. pulcherrima (Wall.) O. Kuntz; 1,2; H, common, June-Aug., Aug.-Oct.
Cenolophon oxymitrum (K. Sch.) Holtt.; 1,2; H, common, Feb.-Apr., Apr.-Sept.
 (*Alpinia oxymitra* K. Sch.).
Costus dhaninivatii K. Lar.; 2, H, common, June-Aug., Aug.-Oct.
C. speciosus (Koen.) J.E. Sm., 1,2; H, common, June-Aug., Aug.-Oct.
Curcuma q.v. *aromatica* Salisb.; 4, DH, common, Mar.-Apr., Apr.-June, Apr.-Dec.
C. burttii K. Lar. & R.M. Smith; 3,1; H, not common, May-Sept., July-Oct. (paratype and type locality).
C. q.v. *domestica* Val.; 3, H, not common, June-July, Aug.-Sept.
C. sp.; 3,6; H, not common, Mar.-May, May-July.
C. sp.; 4, DH, common, May-Sept., July-Nov., Mar.-Dec.
Gagnepainia sp.; 3, DH, not common, Mar.-May, Apr.-July, Apr.-Dec.
Globba albiflora Ridl. var. *aurea* Holtt.; 1,3; H, not common, June-Aug., July-Sept.
G. schomburgkii Hk. f.; 1,3; H, not common, June-Aug., July-Sept.
G. villosula Gagnep.; 1,3; H, common, July-Sept., Sept.-Nov.
Kaempferia galanga L.; 4, H, not common, May-June, July-Sept.
K. pulchra Ridl.; 3, H, common, May-June, July-Aug.
K. rotunda L.; 1,2; DH, not common, Feb.-Apr., May-July, May-Dec.
Zingiber rubens Roxb.; 1, H, June-July, Oct.-Dec.

Z. zerumbet (L.) Sm.; 1,3; H, common, June-Aug., Sept.-Dec.

Z. sp.; 3, H, common, June-July, Sept.-Nov.

MARANTACEAE

Donax cannaeformis (G. For.) K. Sch.; 1,2; H, very common, Nov.-Jan., Dec.-Mar.

Halopegia sp., 3, H, common, flowers and fruit?.

Phrynium capitatum Willd.; 2, H, not common, May-July, July-Sept.

P. sp., 2, H, rare, flowers and fruit?

HYPOXIDACEAE (MAXWELL, 1975)

Curculigo orchioides Gaertn.; 3, H, common, Mar.-May, May-July.

Molineria latifolia (Dry. ex W.T. Ait.) Herb. ex Kurz; 1,2; H, common, Apr.-Aug., June-Oct.

TACCACEAE

Tacca chantrieri Andr.; 1,2; H, common, May-Aug., June-Sept.

T. leontopetaloides (L.) O. Kuntz; 3,4; H, not common, Apr.-July, June-Sept.

MUSACEAE

Musa acuminata Colla ssp. *siamea* Sim.; 6 in 1 and 2, common, Jan.-Dec., Jan.-Dec.

DIOSCOREACEAE

Dioscorea alata L.; 3,6; V, common, Aug.-Oct., Oct.-Dec.

D. arachidna Pr. & Burk. var. *collinsae* (Pr. & Burk.) Pr. & Burk.; 3, 6 in 1 and 2, V, not common, Sept.-Oct., Nov.-Jan.

D. brevipetiolata Pr. & Burk.; 3,4; V, common, Aug.-Sept., Oct.-Dec.

D. bulbifera L.; 6, V, not common, Aug.-Oct., Oct.-Dec., bulbils Aug.-Dec.

D. esculenta (Lour.) Burk.; 6, V, not common, Apr.-Aug., Oct.-Dec.

D. glabra Roxb.; 6, V, very common, Sept.-Nov., Oct.-Jan.

D. hispida Denn. var. *reticulata* Hk. f.; 3,6; V, common, Mar.-Apr., June-Sept.

D. membranacea Pierre ex Pr. & Burk.; 3,6; V, common, June-Aug., Sept.-Nov.

D. paradoxa Pr. & Burk.; 3, V, not common, Aug.-Oct., fruit? (q.v. *D. garrettii* Pr. & Burk.).

D. pentaphylla L.; 6 in 2, V, not common, Sept.-Oct., Nov.-Dec.

D. pierrei Pr. & Burk.; 6 in 1 and 2, V, not common, Sept.-Oct., Dec.-Jan.

ROXBURGHIAEAE (STEMONACEAE)

Stemona collinsae Craib; 3, DH/DV, common, Jan.-Feb., Apr.-May, Feb.-Dec.

LILIACEAE

Chlorophytum orchidastrum Ldl.; 3, H, common, June-Aug., Aug.-Oct.

Dianella ensifolia (L.) DC.; 2, H, not common, Aug.-Oct., Oct.-Jan.

Gloriosa superba L.; 6,3; V, rare, Aug.-Oct., Oct.-Dec.

Peliosantheseta Andr. ssp. *humilis* (Andr.) Jess.; 1,2; H, common, Jan.-Apr., Mar.-June.

AGAVACEAE

- Dracaena angustifolia* Roxb.; 1, ET'lt, common, Feb.-Apr., June-Aug.
D. gracilis Wall.; 2, ET, not common, Mar.-May, June-Aug. (q.v. *D. elliptica* Thunb.).

PONTEDERIACEAE

- Monochoria vaginalis* (Burm. f.) Presl; 5 and ponds; H, not common, Aug.-Nov.,
 Sept.-Dec.

COMMELINACEAE

- Aclisia secundiflora* (Bl.) Bakh. f.; 1,2; H, common, May-Sept., June-Nov.
Aneilema herbaceum (Roxb.) Wall.; 3, H, not common, Apr.-June, Aug.-Sept.
A. loureirii Han.; 4, H, not common, June-Aug., July-Sept.
A. scaberrimum (Bl.) Kth.; 1,2; H, common, Sept.-Jan., Oct.-Feb.
Commelina clavata C. B. Cl.; 3, H, common, July-Sept., Aug.-Oct.
C. diffusa Burm. f.; 6 in 2 and 1, H, not common, July-Sept., Aug.-Oct.
C. paludosa Bl.; 1,2; H, common, Sept.-Feb., Oct.-Mar.
Cyanotis barbata D. Don; 5,6; H, common, Sept.-Nov., Oct.-Dec.
C. cristata (L.) D. Don; 3,5,6; H, common, June-Dec., July-Jan.
Floscopa scandens Lour.; 1,2 (stream zone), H, not common, Nov.-Feb., Dec.-Mar.
Murdannia nudiflora (L.) Bren.; 5, H, common, Oct.-Dec., Nov.-Jan.
Pollia thrysiflora (Bl.) Steud.; 1,2 (stream zone); H, common, July-Sept., Aug.-Nov.

FLAGELLARIACEAE

- Flagellaria indica* L.; 5, V, not common, June-Oct., Aug.-Jan.

XYRIDACEAE

- Xyris pauciflora* Willd.; 4,5; H, not common, Oct.-Dec., Nov.-Jan.

PALMAE

- Calamus palustris* Griff. var. *cochinchinensis* Becc.; 2, WC, not common, Dec.-Feb.,
 Sept.-Nov.
C. poilanei Con.; 2, WC, common, Dec.-Feb., Jan.-May.
C. viminalis Willd. var. *fasciculatus* (Roxb.) Becc.; 1,2; WC, common, Nov.-Jan.,
 Aug.-Nov.
Caryota mitis Lour., 1,2; ET, not common, Dec.-Feb., Mar.-May.
Daemonorops q.v. *pirreanus* Becc.; 2, WC, common, Aug.-Oct., Nov.-Jan.
Didymospermum caudatum Wen. & Dru.; 1,2; ES, common, Jan.-Mar., Mar.-May.
Salacca wallichiana Mart.; 2, ES/ET'lt, very common, Sept.-Dec., Mar.-July.

PANDANACEAE

- Pandanus ovatus* Warb.; 2, H, ES, common, June-Aug., Oct.-Dec.

ARACEAE

- Aglaonema simplex* Bl.; 1, H, very common, Apr.-June, Aug.-Dec.
Alocasia alba Schott; 1 (streams), ponds; H, common, May-July, July-Sept.

Amorphophallus campanulatus Bl. ex Decne.; 1, DH, common, Apr.-May, Oct.-Dec., May-Dec. (rarely flowers).

A. longituberosus (Eng.) Eng. & Geh.; 3, DH, common, Mar.-May, June-Aug., May-Dec.

A. napiger Gagnep.; 3, DH, not common, Feb.-Apr., May-July, Apr.-Dec.

Arisaema siamicum Gagnep.; 2, H, not common, Mar.-May, June-Aug.

Homalomena occulta (Leur.) Schott; 1,2; H, common, May-Aug., July-Sept.

Lasia spinosa (L.) Thw.; wet areas in 1,2,6; H, common, Feb.-Apr., July-Sept.

Pothos scandens L.; 1,2; V, very common, Aug.-Oct., Dec.-Mar.

Pseudodracontium siamense Gagnep.; 3, DH, common, Mar.-June, June-Oct., Apr.-Dec.

Raphidophora aff. *hongkongensis* Schott; 1,2; V, common, June-July, fruit? (rarely flowers).

Remusatia vivipara (Lodd.) Schott; 2, EpH, rare, veg. only, bulbils July-Sept.

Scindapsus officinalis (Roxb.) Schott; 1,2,3; V, very common, Mar.-May, Sept.-Dec.

LIMNOCHARITACEAE

Limnocharis flava (L.) Buch.; 5,6 (marsh, ponds), common, Oct.-Jan., Dec.-Feb.

ERIOCAULACEAE

Eriocaulon xeranthemum Mart.; 5, H, common, Sept.-Nov., Oct.-Dec.

CYPERACEAE

Carex tricephala Boeck.; 1,3; H, common, Mar.-July, Apr.-Aug.

Cyperus diffusus Vahl var. *diffusus*; 6, H, common, May-Nov., June-Dec.

C. dubius Rottl.; 3,4 (cliffs); H, common, Apr.-Sept., May.-Oct.

Fimbristylis eragrostis (Nees) Han.; 4, H, common, May-Sept., June-Oct.

F. ferruginea (L.) Vahl; 5, H, common, Aug.-Oct., Sept.-Nov.

Fuirena ciliaris (L.) Roxb. 5, H, common, Oct.-Dec., Nov.-Jan.

Rhynchospora rubra (Lour.) Mak.; 5, H, common, Aug.-Oct., Sept.-Nov.

Scleria levis Retz.; 1,2; H, common, May-Aug., June-Sept.

S. lithosperma (L.) Sw.; 1,2; H, common, May-Nov., June-Dec.

S. scrobiculata Nees; 2, H, not common, Aug.-Dec., Sept.-Jan.

GRAMINEAE

Acroceras tonkinense (Bal.) C.E. Hubb. ex Bor; 6 in 1 and 2, H, not common, June-Sept., July-Oct.

Apluda mutica L.; 6, H, common, Apr.-Jan., May-Feb.

Apocopsis siamensis A. Cam.; 5, H, common, Sept.-Dec., Oct.-Jan.

Arundinella setosa Trin.; 5, H, common, Aug.-Nov., Sept.-Dec.

Brachiaria distachya (L.) Stapf; 6, H, common, Apr.-Nov., May-Dec.

Capillipedium longistylum Bor; 5, H, common, Aug.-Dec., Sept.-Jan.

Centotheca lappacea (L.) Desv.; 1,2; H, common, Sept.-Dec., Oct.-Jan.

Cymbopogon flexuosus (Nees ex Steud.) Wats.; 5, H, common, Sept.-Nov., Oct.-Jan.

Cyrtococcum accrescens (Trin.) Stapf; 6, H, common, Apr.-Jan., May-Feb.

- C. oxyphyllum* (Steud.) Stapf; 6 in 1 and 2, H, common, Apr.-Jan., May-Feb.
C. patens (L.) A. Cam.; 6 in 1 and 2, H, not common, Apr.-Jan., May-Feb.
Digitaria siamensis Henr.; 4, H, not common, Aug.-Nov., Sept.-Dec.
Eragrostis malayana Stapf; 5, H, common, Aug.-Dec., Sept.-Jan.
Eremochloa ciliaris (L.) Merr.; 4,5; H, common, May-Sept., June-Oct.
Eulalia siamensis Bor; 4, H, not common, Mar.-June, May-Aug.
E. trispicata (Schult.) Henr.; 3, H, common, Sept.-Jan., Oct.-Jan.
Hackelochloa granularis (L.) O. Kuntze; 5, H, not common, Aug.-Oct., Sept.-Nov.
Heteropogon contortus (L.) P. Beauv. ex R. & S.; 6, H, common, Apr.-Nov., May-Dec.
Imperata cylindrica (L.) P. Beauv.; 6, H, very common, Jan.-Dec., Jan.-Dec.
Ischaemum rugosum Salisb.; 5, H, common, Aug.-Nov., Sept.-Dec.
Leptaspis urceolata (Roxb.) R. Br.; 2, H, common, Mar.-May, Apr.-July.
Lophatherum gracile Brongn.; 3, H, common, June-Sept., July-Oct.
Mnesithea laevis (Retz.) Kth.; 4, H, common, Apr.-July, May-Aug.
Neyraudia reynaudiana (Kth.) Keng & Hit., 6, H, common, Jan.-Dec., Jan.-Dec.
Oplismenus compositus (L.) P. Beauv.; 6 in 1 and 2, H, common, Nov.-Feb., Dec.-Mar.
Oryza granulata Nees & Arn. ex Steud.; 3, H, common, Mar.-May, Apr.-June.
Panicum cambogiense Bal.; 4, H, common, Apr.-July, May-Aug.
P. notatum Retz.; 3, H, common, Apr.-Sept., May.-Oct.
P. sarmentosum Roxb.; 6 in 1 and 2; H, not common, Aug.-Nov., Sept.-Jan.
Pennisetum setosum (Swz.) L.C. Rich.; 6, H, very common, Oct.-Jan., Nov.-Feb.
Perotis hordeiformis Nees; 5,6, H, common, Sept.-Dec., Oct.-Jan.
Saccharum arundinaceum Retz.; 6, H, common, Jan.-Dec., Jan.-Dec.
Sacciolepis indica (L.) Chase var. *turgida* (Ridl.) Gill.; 6, H, common, Oct.-Jan.,
 Nov.-Feb.
Sehima nervosum (Rottl.) stapf; 4, H, common, Apr.-July, May-Aug.
Setaria pallide-fusca (Schum.) Stapf & Hubb.; 3, H, common, June-Jan., July-Feb.
Themeda arguens (L.) Hack.; 6, H, not common, Sept.-Nov., Oct.-Dec.
Thysanolaena maxima (Roxb.) O.K.; 4, H, not common, Feb.-May, Mar.-June

BAMBUSOIDEAE

- Arundinaria ciliata* A. Cam.; 4, DH/DS, very common, Feb.-Apr., May.-May,
 May-Dec.
Bambusa arundinacea (Retz.) Willd.; 3, S, not common Khao Khieo, very common,
 Khao Chompoo, Jan.-Mar., May-July.
Dendrocalamus q.v. longispathus Kurz; 3, in 2, S, not common, Nov.-Feb., Dec.-Mar.
D. membranaceus Munro; 3, S, common, Nov.-Feb., Dec.-Mar.
Giganotchloa albo-ciliata (Munro) Kurz; 3, S, very common, Nov.-Jan., Dec.-Apr.

ACKNOWLEDGEMENTS

I would like to thank Mrs. Chirayupin Chantrabrasong, a former colleague at BK (now at the Horticulture Department, Kasetsart University, Bangkok) for her interest in my work at Khao Khieo and assistance in the completion of this flora after I left BK in November 1975 and continued field work until November 1976.

REFERENCES

- HOLTUM, R.E. 1980. The fern family Thelypteridaceae in Malaya. *Gard. Bull. Sing.* 33: 1-30.
- MAXWELL, J.F. 1975. Taxonomic notes on the vascular plants of Sam Lan Forest, Saraburi and Khao Khieo Reserve, Siricha, Chonburi. *Thai For. Bull.* 9: 62-84.
- . 1980. Vegetation of Khao Khieo Game Sanctuary, Chonburi Province, Thailand. *Nat. Hist. Bull. Siam Soc.* 28: 9-24.
- TOGAWA, M. and I. Iwatsuki, 1979. Pteridophytes, *Flora of Thailand* 3 (1) : 1-4.
- WONG, K.M. 1984. The genera of peninsular Malaysian Rubiaceae formerly confused with *Randia*. *Malay Nat. J.* 38: 1-57.