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From Whom	
Place	
Date	

SUBJECT

Tioman List.

LIST OF PLANTS COLLECTED BY
M. R. HENDERSON ON THE ISLAND OF
PULAU TIOMAN (PAHANG) 1928-1929

Connected Papers

MINUTES

RANUNCULACEAE

Clematis smilacifolia, Wall. P.TINGGI, Burkill 857.

Not common in the Peninsula in open places, Penang and Johore.
Indo-Malaya.

DILLENIACEAE

Delima sarmentosa, Linn. P.TINGGI, Burkill s.n.

P.TIOMAN, Joara Bay, fide Burkill; Tanjong Saik, Henderson
18489. Common in the Peninsula in open places. Indo-Malaya,
China.

ANONACEAE

Anona muricata, Linn. P.TINGGI, cultivated, fide

Burkill. The soursop, a native of Trop.America, cultivated
in most tropics.

Uvaria hirsuta, Jack P.TINGGI, Burkill 872. Common

in the Peninsula in forest. Indo-Malaya.

Uvaria Lobbiana, Hook.fil. & Thoms. P.TIOMAN, Tanah

Kunto at 1500 ft., in open forest, Henderson 18876. Not
uncommon in the Peninsula in forest. Sumatra.

Uvaria purpurea, Bl. P.TIOMAN, Tanjong Duatah,

Burkill 1122. Common in the Peninsula in forest and open
places. Malaya to S.China.

Cyathocalyx virgatus, King P.AOR, c.500 ft., Hender-

son 18360; P.TIOMAN, Ayer Besar c.800 ft., in forest,
Henderson 18865. Not common in the Peninsula in forest.
Sumatra, Java, Borneo.

Canangium odoratum, Baill. P.TIOMAN, Joara Bay,

Burkill s.n. Often cultivated in villages. Indo-Malaya.

Desmos dasymaschala, Safford P.TIOMAN, Ayer Batang

at sealevel, Henderson 18457. Common in the Peninsula.
Burma to Java.

Polyalthia Beccarii, King P.TIOMAN, Bukit Tulak
Blakang c.800 ft., Henderson 18585. Common in the Peninsula
in lowland forest. Sumatra and Borneo.

Polyalthia cinnamomea, Hook.fil.& Thoms. P.AOR, c.800
ft., Henderson 18216. Not common in forest from Langkawi
to Malacca. Endemic.

Orophea ?setosa, King P.TIOMAN, Lubok Lanun c.800 ft.,
Henderson 18863.

Mitrephora reticulata, Hook.fil. P.TIOMAN, west of
Joara Bay c.1000 ft., Burkill 1148. Common in the Peninsula
in forest. Indo-Malaya.

Popowia nervosa, Ridl. P.TIOMAN, Joara Bay, Burkill 1015.
Common in lowland forest. Endemic.

Popowia ramosissima, Hook.fil.& Thoms. P.TIOMAN, Bukit
Tulak Blakang c.1000 ft., Henderson 18854. Common in the
Peninsula in forest. W.Malaysia to the Philippines.

Oxymitra affinis, Hook.fil. P.AOR, Henderson 18235,
18243. In forest in ⁱTaping, Malacca and Singapore. Lower
Siam.

MENISPERMACEAE

Fibraurea chloroleuca, Miers P.TINGGI, Bukit Treh,
Burkill 873. Common in the Peninsula. W.Malaysia.

Hypserpa cuspidata, Miers P.TINGGI, Burkill 880.
Not uncommon in the Peninsula in hedges. Indo-Malaya to
the Philippines.

Pericampylus incanus, Miers P.AOR, Feilding.
P.TIOMAN, Ayer Batang at sealevel, Henderson 18455; Joara
Bay, Burkill s.n. Very common in the Peninsula in hedges,
thickets, edges of jungle, etc. Indo-Malaya, China.

Cyclea laxiflora, Miers P.AOR, c.600 ft., Henderson
18367. P.TINGGI, Burkill 945. Not uncommon in forest and open
places. Lower Siam.

CAPPARIDACEAE

Gynandropsis pentaphylla, DC. P.TIOMAN, Telok Paya at sealevel, Henderson 18437. Common in the Peninsula in waste ground. Pantropic.

Capparis micrantha, DC P.AOR, Feilding. Common on seacoasts in the north of the Peninsula. Burma, Siam.

VIOLACEAE

Alsodeia echinocarpa, Korth. P.TIOMAN, Joara Bay at sealevel, Burkill 987; path across island c.1000 ft., Burkill s.n.; Ayer Besar c.750 ft., Henderson 18757. Common in the Peninsula in forest. Indo-China, Indo-Malaya.

Alsodeia Kunstleriana, King P.AOR, c.800 ft., Henderson 18217. P.TIOMAN, Bukit Bayoh c.700 ft., Henderson 18572. Not uncommon in forest from Upper Perak to Johore. Endemic.

Alsodeia Wallichiana, Hook.fil. P.AOR, Feilding. P.TIOMAN, Joara Bay at sealevel, Burkill 984. Not uncommon in forest. Endemic.

PITTOSPORACEAE

Pittosporum ferrugineum, Ait. P.TIOMAN, Sungai Tawar at sealevel, Burkill s.n. Common near the sea. Indo-Australia.

POLYGALACEAE

Xanthophyllum affine, Korth. P.TIOMAN, west of Joara Bay, Burkill s.n. Common in the Peninsula in open places and forest. Tenasserim to the Philippines.

FLACOURTIACEAE

Flacourtia cataphracta, Roxb. P.TINGGI, cultivated, Burkill s.n. Common in villages. Indo-Malaya.

Pangium edule, Reinw. P.TIOMAN, west of Joara Bay, Burkill s.n.; Durian Sabak c.300 ft., in secondary growth, Henderson 18821. Common in the Peninsula near rivers and in cultivated ground. W.Malaysia.

GUTTIFERAE

Calophyllum inophyllum, Linn. P.TIOMAN, north of Joara Bay, Burkill s.n.; Telok Berhala, Henderson 18530. Common in the Peninsula on sandy seashores. E.Africa to Polynesia.

Garcinia Mangostana, Linn. P.TIOMAN, Joara Bay, fide Burkill. The Mangosteen, common in cultivation.

Garcinia nervosa, Miq. P.TINGGI, Burkill 887. Not uncommon in the Peninsula in forest. Sumatra, Philippines.

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Garcinia tenuifolia, Ridl. P.AOR, c.500 ft., Henderson 18361. P.TIOMAN, Joara Bay and up to 1000 ft. on path across island, Burkill 985; Ayer Besar c.800 ft., Henderson 18760. Endemic and local in forest.

TERNSTROEMACEAE

Ternstroemia penangiana, Choisy P.TIOMAN, Ayer Batang at sealevel, Henderson 18464. Rare, hitherto known only from Langkawi and Penang Hill.

DIPTEROCARPACEAE

Dipterocarpus grandifolius, Blanco P.TINGGI, Burkill 930. P.TIOMAN, Tanjong Duatah at sealevel, seedling leaves only, Burkill 1110. Common in the Peninsula in forest. Tenasserim, Sumatra, Borneo, Philippines.

Shorea ?Curtisii, King P.TIOMAN, Tanjong Duatah, Burkill 1112.

ANCISTROCLADACEAE

Ancistrocladus pinangianus, Wall. P.TIOMAN, Joara Bay on the sandflat, Burkill s.n. Common in the Peninsula near the sea. Indo-China to Sumatra.

BIXACEAE

Bixa orellana, Linn. P.TIOMAN, Telok Berhala at sea-level, probably an escape from cultivation, Henderson 18535. Pantropic, of S.American origin.

MALVACEAE

Sida carpinifolia, Linn.fil. P.TINGGI, fide Burkill. A common weed in waste ground. Pantropic.

Sida cordifolia, Linn. P.TIOMAN, Joara Bay on the sandflat, Burkill s.n.; Telok Paya, Henderson 18421. Not uncommon in the Peninsula in sandy places. Cosmopolitan.

Urena lobata, Linn. P.TIOMAN, Joara Bay, fide Burkill. Common in the Peninsula in waste ground. Pantropic.

Hibiscus rosa-sinensis, Linn. P.TINGGI, in the village, fide Burkill. Very common in cultivation, as it is in all tropics.

Hibiscus tilⁱlaceus, Linn. P.TINGGI, Burkill 983. P.TIOMAN, Joara Bay, fide Burkill. Common in the Peninsula on seacoasts. Pantropic.

Thespesia populnea, Corr. P.TIOMAN, Pulau Tulai at sealevel, Henderson 18515. Common in the Peninsula on seacoasts. Pantropic.

Durio zibethinus, Linn. Cultivated on P.TINGGI and P.TIOMAN. W.Malaysia, Indo-China, cultivated only.

STERCULIACEAE

Sterculia foetida, Linn. P.TIOMAN, Joara Bay on the sandflat, Burkill s.n. In villages, probably not wild. Trop. E.Africa to Trop.Australia.

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Heritiera littoralis, Dryand P.TINGGI, fide Burkill.
P.TIOMAN, Joara Bay, Burkill 982. Common in the Peninsula on
seacoasts. Trop.Asia to Polynesia.

Kleinhovia hospita, Linn. P.AOR, Feilding. P.TIOMAN,
Sungai Tawar at sealevel, Burkill s.n.; Tanjong Layer, Fender-
son 18474. Apparently not common in the Peninsula in open
places and on streambanks. Tropics of the Old World.

Melochia corchorifolia, Linn. P.TIOMAN, Telok Paya at
sealevel, Henderson 18293. Common in the Peninsula in waste
ground. Pantropic.

Abroma augusta, Linn. P.TIOMAN, Joara Bay, common in
belukar, Burkill s.n. In the Peninsula in secondary growth
and near limestone. Indo-Australia, China.

Commersonia platyphylla, Andr. P.TIOMAN, Joara Bay,
fide Burkill; Durian Sabak c,300 ft., Henderson 18826.
Common in the Peninsula in secondary growth. Indo-Malaya
to the Philippines.

Leptonychia glabra, Turcz. P.AOR, c.500 ft., Henderson
18255; P.TIOMAN, Gunong Rokam c.2000 ft., Henderson 18771.
Common in the Peninsula in forest. Indo-Malaya.

TILIACEAE

Brownlowia Riedelii, Hemsl. P.TIOMAN, Joara Bay,
Burkill s.n. Littoral in the south of the Peninsula. Philipp-
ines, Moluccas to New Guinea.

Grewia fibrocarpa, Masters P.TINGGI, Burkill 933.
P.TIOMAN, Sungai Tawar, Burkill s.n. Common in forest.
Endemic.

Grewia paniculata, Roxb. P.TIOMAN, Kloss. Common in
the Peninsula in open country. Indo-Malaya to the Philipp-
ines and Indo-China.

Grewia umbellata, Roxb. P.TINGGI, Burkill 879. P.TIOMAN, Pulau Tulai, Henderson 18514. Common in the Peninsula in secondary growth. Siam, Java, Borneo.

Triumfetta rhomboidea, Jacq. P.TIOMAN, Joara Bay on the sandflat, Burkill s.n.; Telok Paya, Henderson 18439. Common in the Peninsula in waste ground. Pantropic.

Triumfetta subpalmata, Sol. P.TIOMAN, Joara Bay in sand, Burkill s.n. Rare in the Peninsula on sandy seashores, Kelantan. Madagascar, Malaya, Indo-China, Philippines, N.E.Australia.

Columbia serratifolia, DC. P.TIOMAN, north of Joara Bay, Burkill 1025; Telok Paya, Henderson 18291. Not common in the Peninsula on seacoasts, Johore, Pahang. Borneo, Celebes, Philippines.

LINACEAE

Erythroxylon burmanicum, Griff. P.TINGGI, fide Burkill. P.TIOMAN, south of Joara Bay, Burkill s.n.; Tanjong Layer, Henderson 18482. In open places usually near the sea. Burma, Tenasserim.

MALPIGHIACEAE

Tristellateia australasica, A.Rich. P.TINGGI, in village, Burkill s.n. P.TIOMAN, Ayer Batang at sealevel, Henderson 18601. Common in the Peninsula in tidal swamps. Malaysia to Polynesia.

OXALIDACEAE

Averrhoa Bilimbi, Linn. P.TINGGI, in cultivation, fide Burkill. Cultivated in most tropics.

RUTACEAE

Zanthoxylon hirtellum, Ridl. P.TIOMAN, hill north of Joara Bay, Burkill s.n. Not common in the Peninsula in secondary growth. Endemic.

Acronychia laurifolia, Bl. P.TIOMAN, Telok Paya at sea-level, Henderson 18447. Not uncommon in the Peninsula in low country forest. Indo-Malaya, Indo-China.

Glycosmis rupestris, Ridl. P.TIOMAN, Tanjong Layer at
sealevel in dry jungle associated with Taxotrophis ilicifolia,
Henderson 18473. On limestone in the north of the Peninsula.
A variety known from Siam.

Clausena excavata, Burm. P.TIOMAN, Kloss. Common in
the Peninsula in open country. Indo-Malaya to the Philippines

Luvunga eleutheranthera, Dalz. P.TIOMAN, Sungai Tawar, on rocks at stream mouth, Burkill s.n. Not common in the Peninsula in forest. Indo-Malaya.

Atlantia monophylla, Correa P.TIOMAN, Telok Paya and Tanjong Layer at sealevel, Henderson 18409, 18483. Open places near the sea in the north of the Peninsula. India, Andaman and Nicobar Islands.

SIMARUBACEAE

Brucea sumatrana, Roxb. P.AOR, Henderson 18207. P.TIOMAN, Joara Bay on sandflat, Burkill s.n.; Ayer Batang, Henderson 18456. Common in the Peninsula on seacoasts. Indo-Australia.

Eurycoma longifolia, Jack. P.TIOMAN, Joara Bay at sea-level, Burkill 979. Common in the Peninsula in forest and secondary growth. Indo-Malaya.

OCHNACEAE

Gomphia oblongifolia, Ridl. P.TINGGI, ^{Feilding;} south coast, Burkill s.n. P.TIOMAN, Tanjong Saik, Henderson 18496. Common in the Peninsula in the lowlands in forest. Borneo.

BURSERACEAE

Canarium hispidum, Bl. P.AOR, on jungle edge, Henderson 18242. Very rare in the Peninsula, hitherto known only from Gapis, Perak. Sumatra, Java, Borneo, Celebes.

Canarium pilosum, Benn., var. hirtellum, Ridl. P.TINGGI, Burkill 862. Common in forest, especially in the north. Endemic.

Canarium subcordatum, Ridl. P.TINGGI, Burkill 906, fide Ridley. Endemic and local. (I have seen no specimen of this).

MELIACEAE

Chisocheton spicatus, Hiern P.TIOMAN, Tanah Runto in forest c.1500 ft., Henderson 18888. Not uncommon in the Peninsula in forest. Sumatra, Borneo.

Dysoxylon arborescens, Miq. P.TIOMAN, west of Joara Bay, Burkill 1150. In lowland forest in the south of the Peninsula. W.Malaysia.

Dysoxylon cauliflorum, Hiern P.AOR, c.500 ft., and c.800 ft., Henderson 18354 and 18371. P.TIOMAN, Tanjong Duatah at sealevel, Burkill 1106; Gunong Rokam c.2000 ft., Henderson 18772. Common in the Peninsula in forest. Borneo and the Philippines.

Aglaia odoratissima, Bl. P.TIOMAN, Kloss. Common in the Peninsula in lowland forest. Siam to Java.

Heynea trijuga, Roxb. P.TIOMAN, south of Joara Bay, Burkill 1132. Not common in the Peninsula, possibly not wild. Indo-Malaya and China.

Carapa obovata, Bl. P.TIOMAN, Pulau Tulai at sealevel, Henderson 18519. Common in the Peninsula in tidal rivers and on seacoasts. Africa, India, Malaysia.

OLACACEAE

Olax scandens, Roxb. P.TIOMAN, Ridley. In open sandy places, commonest in the north of the Peninsula. India, Java.

Ximenia americana, Linn. P.TINGGI, Burkill 884. P.TIOMAN, Telok Paya, Henderson 18422. Not uncommon in the Peninsula on seashores. Pantropic.

Strombosia javanica, Bl. P.TINGGI, Burkill 952. In forests. Tenasserim to Java.

Gomphandra lanceolata, King, var. angustifolia, King P.TIOMAN, Gunong Kajang c.2900 ft., Henderson 18609. Common in montane forest. Endemic.

Phytocrene bracteata, Wall. P.TINGGI, Burkill 867, 902. Not uncommon in the Peninsula in open places and forest edges. Burma, Borneo.

CELASTRACEAE

Euonymus javanicus, Bl. P.TIOMAN, Ayer Besar c.800 ft.,
Henderson 18866. Common in the Peninsula in forest, usually
at some altitude. Indo-Malaya.

Hippocratea nigricaulis, Ridl. P.TIOMAN, Telok Paya,
Henderson 18450. In forests. Burma.

~~*Salacia grandiflora*, Kurz. P.TIOMAN, south of Joara
Bay, Burkill 1035, 1130. Not common in the Peninsula near the
sea. Tenasserim, Lower Siam.~~

~~*Salacia latifolia*, Wall. P.TIOMAN~~

Salacia grandiflora, Kurz. P.TINGGI, Burkill 911.
Common in the Peninsula in forest and open places. Tenasserim.

Salacia latifolia, Wall. P.TIOMAN, south of Joara Bay,
Burkill 1035, 1130. Not common in the Peninsula near the sea.
Tenasserim, Lower Siam.

RHAMNACEAE

Colubtina asiatica, Brngn. P.TINGGI, Burkill 894.
P.TIOMAN, Telok Paya, Henderson 18408; Joara Bay, fide
Burkill. Common in the Peninsula on seacoasts. Indo-Malaya.

AMPELIDACEAE

Vitis ?cinnamomea, Wall. P.TINGGI, Bukit Treh c.700 ft.,
Burkill s.n. A big climber.

Vitis glaberrima, Wall. P.TINGGI, Burkill s.n. P.
TIOMAN, Sedagong c.1000 ft., Henderson 18845 (doubtful).
In forest from Penang to Singapore. Tenasserim to Sumatra.

Vitis gracilis, Wall. P.TIOMAN, Joara Bay, Burkill s.n.
Common in the Peninsula in secondary growth, Sumatra, Borneo.

Vitis hastata, Miq. P.TIOMAN, Ayer Batang at sealevel,
Henderson 18467. Common in the Peninsula in open places.
Sumatra, Borneo.

~~*Vitis mollissima*, Wall. P.AOR, Henderson 18206.~~

Vitis mollissima, Wall. P.AOR, Henderson 18206.
P.TIOMAN, Joara Bay, Burkill 1049. Common in open places.
Lower Siam.

Vitis repens, Wight and Arn. P.TIOMAN, Ridley. Common
in the Peninsula in hedges. S.E.Asia.

Leea gigantea, Griff. P.AOR, Henderson 18248. P.TINGGI
Burkill 920. P.TIOMAN, Ridley; Bukit Sukak c.700 ft.,
Henderson 18752. Common in open country. Endemic.

Leea saxatilis, Ridl. P.TIOMAN, Joara Bay in belukar,
Burkill s.n.; Sedagong c.1000 ft., in forest, Henderson 18893.
Not common, usually on limestone. Endemic.

SAPINDACEAE

Allophylus glaber, Roxb. P.TINGGI, Burkill s.n.
P.TIOMAN, Gunong Rokam c.2200 ft., Henderson 18387. Common
in forest. Endemic.

Allophylus javensis, Bl. P.AOR, c.800 ft., Henderson
18369. Not previously recorded from these islands or from
the Peninsula. W.Malaysia to the Philippines.

Allophylus ternatus, Lour. P.TIOMAN, Joara Bay, Burkill
s.n. Common in the Peninsula on seacoasts. Tenasserim to
Polynesia.

Allophylus timorensis, Bl. P.TINGGI, Burkill 985 (native
name Seminchang). P.TIOMAN, Joara Bay, Burkill 1031; Telok
Saing, Henderson 18905. Not previously recorded from these
islands or from the Peninsula. A seashore species from Malaya
to Polynesia.

Erioglossum edule, Bl. P.AOR, Henderson 18205. P.TIOMAN,
Telok Paya, Henderson 18426. Common in villages. Indo-Australia

Lepisanthes longifolia, Radlk. P.AOR, c.1000 ft.,
Henderson 18372. Not very common in lowland forest. Endemic.

Nephelium lappaceum, Linn. (Rambutan). P.TINGGI, under cultivation, fide Burkill. Cultivated throughout W.Malaysia.

Guioa pleuropteris, Radlk. P.TINGGI, Lake and Kelsall. Common in the Peninsula in open places. Sumatra, Borneo, Indo-China, Philippines.

Paranephelium muricatum, Pierre P.TIOMAN, path across island, c.1000 ft., Burkill s.n. Very rare in the Peninsula, hitherto known only from Chupeng and Siam. Burkill's specimen agrees closely with the Chupeng specimen, named by Ridley, but whether this is what Pierre intended appears to be somewhat doubtful.

Dodonaea viscosa, Jacq. P.TINGGI, Feilding. Common on sandy seashores. Pantropic.

SABIACEAE

Meliosma nitida, Bl. P.TIOMAN, Bukit Tulak Blakang, c.1000 ft., in forest, Henderson 18853. Common in the Peninsula in forest. Sumatra, Java.

ANACARDIACEAE

Mangifera foetida, Lour. P.TINGGI, cultivated, fide Burkill. Commonly cultivated. W.Malaysia.

Mangifera indica, Linn. P.TINGGI, cultivated, Burkill s.n. Common in cultivation, the Mango, origin India.

Mangifera odorata, Griff. P.TINGGI, Burkill s.n. Often cultivated. Malaya.

Anacardium occidentale, Linn. P.TIOMAN, Joara Bay, fide Burkill. The cashew-nut, cultivated and run wild in the Peninsula. Native of S.America.

CONNARACEAE

Rourea pulchella, Planch. P.TIOMAN, Telok Paya at sealevel, Henderson 18451. Not uncommon in forest. Endemic.

Agelaea vestita, Hook.fil. P.TIOMAN, Tanah Runto, ^{in the Peninsula}
c.1400 ft., Henderson 18385. Common in forest at low
altitudes. Sumatra, Borneo.

LEGUMINOSAE

Abrus precatorius, Linn. P.TINGGI, fide Burkill;
P.TIOMAN, Telok Paya at sealevel, Henderson 18430. Common
on seashores. Pantropic.

Crotolaria quinquefolia, Linn. P.AOR, Feilding. Not
^{in the Peninsula}
very common in waste ground and near the sea. Indo-Malaya.

Flemingia strobilifera, R.Br. P.AOR, common in cultivated
ground, Henderson 18240; P.TIOMAN, Joara Bay, Burkill s.n.
^{in the Peninsula}
Common in open places, villages, etc. Indo-Malaya.

Vigna retusa, Walp. P.TINGGI, Burkill 892, P.TIOMAN,
^{in the Peninsula}
Pulai Tulai at sealevel, Henderson 18521. Common on sea-
coasts. Pantropic.

Canavalia obtusifolia, DC. P.TINGGI, fide Burkill;
P.TIOMAN, Joara Bay, Burkill s.n.; Telok Berhala, Henderson
18536. Common in the Peninsula on sandy seacoasts. Trop.Asia.

Mucuna acuminata, Grah. P.TIOMAN, Durian Sabak, c.
^{in the Peninsula}
300 ft., in secondary growth, Henderson 18829. Common in
lowland secondary growth. Java.

Erythrina indica, Lam. P.TIOMAN, Joara Bay, Burkill
s.n. Seashores, not common and apparently occurring only
in the north of the Peninsula. India to Polynesia.

Indigofera Finlaysoniana, Grah. P.TIOMAN, Joara Bay
on the sandflat, Burkill s.n. Rare in the Peninsula. Indo-
Malaya.

Adinobotrys atropurpurea, Dunn. P.TIOMAN, up to about
^{in the Peninsula}
1000 ft. on the east coast, Burkill s.n. Common in forest
and secondary growth. Burma, Sumatra, Borneo.

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Peninsula

Dalbergia torta, Grah. P.TINGGI, Feilding. Common
near the sea. Indo-Australia to Polynesia.

Pongamia glabra, Vent. P.TINGGI, fide Burkill; P.
TIOMAN, Joara Bay, Burkill s.n.; Telok Paya, Henderson
18425. Common ^{in the Peninsula} on seashores. Indo-Australia, Mascarene Is.

Derris uliginosa, Benth. P.DAYANG, Feilding; P.TIOMAN,
Pulau Tulai, Henderson 18502. Common ^{in the Peninsula} near the sea. Tropics
of the Old World.

Desmodium polycarpum, DC. P.TIOMAN, Telok Paya,
Henderson 18445. Common in the Peninsula in open places.
Africa, Indo-Australia.

Desmodium umbellatum, DC. P.TIOMAN, Joara Bay, Burkill
s.n.; Tanjong Layer, Henderson 18481. Common ^{in the Peninsula} on seashores.
Tropics of the Old World.

Sophora tomentosa, Linn. P.TIOMAN, Joara Bay on the
sandflat, Burkill s.n.; Telok Paya, Henderson 18410; Pulau
Tulai, Henderson 18516. Not common in the Peninsula on
seashores north of the Dindings. Pantropic.

Cassia occidentalis, Linn. P.TIOMAN, Ayer Batang at
sealevel, Henderson 18453. Common ^{in the Peninsula} in waste ground. Pantropic,
of Trop.American origin.

Bauhinia glauca, Wall. P.TIOMAN, Ayer Batang at sealevel,
Henderson 18458; Ayer Surin c.900 ft., creeping on rocks,
Henderson 18950. Rare in the Peninsula in open places,
hitherto known only from Kota (Perak) and Kuala Lipis (Pahang).
Tenasserim.

Bauhinia flammifera, Ridl. P.AOR, Henderson 18233;
P.TINGGI, Burkill 951; P.TIOMAN, ^{Kess;} Tanjong Saik and Pulau Tulai
at sealevel, Henderson 18490, 18517. Common in forest. Lower
Siam.

Tamarindus indica, Linn. P.TINGGI, in the village,
fide Burkill. Cultivated throughout the Tropics, origin
probably Africa.

Sindora intermedia, Baker P.TINGGI, Burkill 896.
Common in forest. Endemic.

Afzelia bijuga, A.Gray P.TINGGI, Burkill 891,
P.TIOMAN, Joara Bay, Burkill s.n. Not common ^{in the Peninsula} on seacoasts.
India to Polynesia, Mascarene Islands.

Caesalpinia Bonducella, Fleming P.TIOMAN, Joara Bay,
on the sandflat, Burkill s.n. Not uncommon ^{in the Peninsula} near the sea.
Pantropic.

Caesalpinia Sappan, Linn. P.AOR, Feilding. P.TINGGI,
fide Burkill. In sandy places and cultivated. Tropics of
the Old World.

Adenanthera pavonina, Linn. P.TINGGI, fide Burkill,
Joara Bay,
P.TIOMAN, fide Burkill. Not uncommon in the Peninsula, but
often planted. Trop.Asia.

Entada Schefferi, Ridl. P.TINGGI, fide Burkill. Common
in the Peninsula. Lower Siam, Java.

Mimosa pudica, Linn. P.TIOMAN, north of Joara Bay in
the village, fide Burkill. Exceedingly common in the Peninsula
in waste ground. Pantropic, of S.American origin.

Pithecolobium lobatum, Benth. P.TIOMAN, north of
Joara Bay, Burkill s.n. Common ^{in the Peninsula} in villages and secondary
growth. Malaysia.

ROSACEAE.

Parinarium sp. P.TIOMAN, south of Joara Bay, Burkill
s.n. Specimen too poor for further identification.

Rubus angulosus, Focke P.TINGGI, Burkill 860. P.
TIOMAN, Joara Bay, Burkill s.n. Common ^{in the Peninsula} in lowland forest.
Tenasserim.

Rubus glomeratus, Bl. P.TIOMAN, Gunong Kajang c.3000ft.;
Gunong Rokam, c.2700 ft., Henderson 18257, 18794. Common
in the Peninsula, usually montane. W.Malaysia.

Eriobotrya bengalensis, Hook.fil. P.AOR, c.700 ft.,
Henderson 18211. Rare in the Peninsula in rocky places,
Dindings, Pahang, Malacca. Himalaya, Burma.

SAXIFRAGACEAE

Dichroa febrifuga, Lour. P.TIOMAN, Gunong Rokam,
c. 2700 ft., in forest, Henderson 18776. Not common in the
Peninsula in montane forest, Taiping Hills and the Main
Range as far south as Ginting Bidai, Selangor. Indo-Malaya
and S.China.

CRASSULACEAE

Bryophyllum calycinum, Salisb. P.AOR; P.TINGGI, fide
Burkill; P.TIOMAN, under coconut palms and on rocks near the
sea. Pantropic.

Kalanchoe laciniata, DC. P.TINGGI, Burkill 926. Probably
an escape from cultivation. Africa, India to Java.

RHIZOPHORACEAE

Rhizophora mucronata, Lam. P.TINGGI, Burkill s.n.
Common in mangrove swamps. Tropics of the Old World.

Bruguiera gymnorhiza, Lam. P.TINGGI, Burkill 953.
Common in mangrove swamps. Tropics of the Old World.

COMBRETACEAE

Terminalia Catappa, Linn. P.TINGGI, in the village,
fide Burkill; P.TIOMAN, Joara Bay, fide Burkill; Pulau
Tulai, Henderson 18510. Common ^{in the Peninsula} on sandy seacoasts. Tropics
of the Old World.

Lumnitzera coccinea, Wight & Arn. P.TIOMAN, Pulau
Tulai, Henderson 18522. Common ^{in the Peninsula} on seashores. India to Trop.
Australia.

Quisqualis indica, Linn. P.AOR at sealevel, scrambling in great masses over rocks ~~and no doubt truly wild~~, Henderson 18227. Not common in a wild state in the Peninsula, but often cultivated and escaping. Tropics of the Old World.

MYRTACEAE

Baeckia frutescens, Linn. P.TIOMAN, Gunong Kajang, 3200-3383 ft., Henderson 18607. Common in the Peninsula on open dry hill tops and at Klang Gates, Selangor, and at Kuantan, Pahang. W.Malaysia, China, Japan.

Leptospermum flavescens, Sm. P.TIOMAN, Gunong Kajang, 3200-3383 ft., Henderson 18930. Common in the Peninsula on open mountain tops as far south as Mt.Ophir. Tenasserim to Trop.Australia.

Decaspermum paniculatum, Kurz. P.TIOMAN, Ayer Batang at sealevel, Henderson 18469. Common ^{in the Peninsula} in the lowlands. Indo-Australia.

Eugenia ciliaris, Ridl., Kew Bulletin, 2, (1908), p. 74
P.TIOMAN, Gunong Rokam, c.2700 ft, Henderson 18812. A shrub, endemic and local.

Eugenia densiflora, Duthie P.TINGGI, on stream bank, ^{in the Peninsula} Burkill 940. Common near streams. Sumatra, Java, Borneo.

Eugenia grandis, Wight. P.TIOMAN, Joara Bay on the ^{in the Peninsula} sandflat, Burkill s.n. Common on seashores. Burma, Siam, Borneo.

Eugenia Jambos, Linn. P.TIOMAN, Joara Bay on the sandflat, Burkill s.n. Cultivated throughout Indo-Malaya.

Eugenia pendens, Duthie P.TINGGI, Burkill 939;
P.TIOMAN, Ayer Besar, c.800 ft.; Gunong Rokam c.2700 ft., Henderson 18566, 18779. Common in the Peninsula in forest, especially in the south. Endemic.

QUIS



Eugenia tiumanensis, Ridl.

P.TIOMAN, in rocky jungle, Ridley. Endemic and local. (I have seen no specimen of this).

Eugenia Scortechinii, King, var. *parvifolia*, King

P.TIOMAN, Burkill 1043. Not common in forest. Endemic.

Barringtonia macrostachya, Kurz. P.TINGGI, Burkill

929. Common ^{in the Peninsula} in forest. Burma, Borneo.

Barringtonia racemosa, Roxb.

P.TIOMAN, Pulau Tulai, Henderson 18501. Common ^{in the Peninsula} near the sea. India to Polynesia.

Barringtonia speciosa, Forst.

P.TIOMAN, Telok Saing, Henderson 18903. Not very common in the Peninsula on sandy seashores. India to Polynesia.

Barringtonia sumatrana, Miq.

P.DAYANG, Feilding. Usually near the sea, Sumatra, Borneo, Celebes.

MELASTOMATACEAE

Melastoma polyanthum, Bl.

P.TIOMAN, Joara Bay, fide Burkill; Telok Berhala, Henderson 18537. Common in the Peninsula in open country in the south. India to China and Australia.

Blastus Cogniauxii, Stapf

P.TIOMAN, Gunong Rokam, c.2700 ft., Henderson 18809. Common ^{in the Peninsula} in montane forest. Borneo.

Sonerila erecta, Jack.

P.TIOMAN, Gunong Kajang, c.2800 ft.; Gunong Rokam, c.2700 ft., Henderson 18254, 18793. Montane from Penang to Johore. Endemic.

Medinilla speciosa, Bl.

P.TIOMAN, Gunong Rokam, c.2700 ft., Henderson 18792. Not uncommon ^{in the Peninsula} in hill forest, usually northern (as far south as Fraser Hill). W.Malaysia.

Pogonanthera pulverulenta, Bl.

P.TIOMAN, Telok Paya, Henderson 18449. Common in the Peninsula near the sea and in the hills. W.Malaysia.

Pternandra echinata, Jack P.TINGGI, Burkill s.n.
in the Peninsula
Common in secondary growth and open places. W. Malaysia.

Memecylon coeruleum, Jack P.TIOMAN, Joara Bay,
in the Peninsula
Burkill s.n.; Telok Berhala, Henderson 18538. Common in
open places. Philippines.

Memecylon laevigatum, Bl. P.TINGGI, Burkill 903.
in the Peninsula
Not uncommon in forest. Indo-Malaya.

Memecylon oligoneuron, Bl. P.TIOMAN, Tanjong Duatah,
in the Peninsula
Burkill 1103. Not common in lowland forest. Java, Borneo,
Philippines.

LYTHRACEAE

Pemphis acidula, Forst. P.TINGGI, Feilding; Burkill s.n.
Not common in the Peninsula on seacoasts, the Dindings,
Johore and Singapore. E. Africa to Australia and Polynesia.

Sonneratia Griffithii, Kurz. P.TIOMAN, Pulau Tulai,
Henderson 18509. Common on coasts, growing in the sea.
Burma, Tenasserim.

SAMYDACEAE

Casearia Clarkei, King, var. Kunstleri, Ridl.
P.TIOMAN, Sedagong, c.1000 ft., in forest, Henderson 18843.
Not uncommon in forest. Endemic.

Casearia leucolepis, Turcz. P.TINGGI, Burkill 871.
Very rare ~~in the Peninsula~~, not known from elsewhere in
the Peninsula. Borneo and the Philippines.

PASSIFLORACEAE

Passiflora foetida, Linn. P.TINGGI, in the village,
fide Burkill. Common in the Peninsula in waste ground.
Pantropic, of S. American origin.

Carica papaya, Linn. P.TIOMAN, Joara Bay in the village,
fide Burkill. Commonly cultivated, a native of Trop. America.

CUCURBITACEAE

Melothria affinis, King P.TIOMAN, Pulau Tulai,
Henderson 18526. Common ^{in the Peninsula} in the lowlands. Borneo.

BEGONIACEAE

Begonia Herveyana, King P.TINGGI, Feilding.

Begonia tiumanensis, Ridl., Kew Bulletin, 2, (1928), p. 73
P.TIOMAN, Gunong Rokam, c. 2500 ft., on rocks in forest,
Henderson 18796. Endemic and local.

Begonia tricornis, Ridl. P.TIOMAN, Tanah Runto, c.
1500 ft., Henderson 18883. Not common in forest on the
Main Range. Endemic.

ARALIACEAE

Arthrophyllum ovalifolium, Miq. P.AOR, c.500 ft.,
Henderson 18362; P.TIOMAN, Joara Bay, Burkill 984. Common
in the Peninsula in secondary growth and open places.
Tenasserim and Sumatra.

Schefflera Curtisii, Ridl. P.TIOMAN, Lubok Lanun,
c.800 ft., in forest, Henderson 18859. Rare, hitherto known
only from Penang and the Taiping Hills. Endemic.

Schefflera heterophylla, Harms. P.AOR, scrambling
over rocks in forest, Henderson 18238. Not uncommon ^{in the Peninsula} in forest.
Sumatra.

Schefflera subulata, Viguiier P.TIOMAN, Ridley s.n.;
Tanah Runto, c.1500 ft., Henderson 18394. Common in the
Peninsula up to about 3000ft., W.Malaysia.

Schefflera venulosa, Harms. P.TINGGI, Burkill 886.
Not uncommon in the Peninsula especially in the north.
Tenasserim, Java.

CORNACEAE

Alangium begoniaefolium, Baill. P. TINGGI, Burkill
907. Rare in the Peninsula, hitherto known only from Penang.
Indo-Malaya, China, Japan.

Alangium ?uniloculare, King P. TIOMAN, Bukit Sukak,
c. 200 ft., Henderson 18554.

Aralidium pinnatifidum, Miq. P. AOR, c. 800 ft.,
18351,
Henderson 18370; P. TINGGI, Burkill 905; P. TIOMAN, Sedagong,
c. 900 ft., in forest, Henderson 18842. Common ^{in the Peninsula} in lowland
forest. Sumatra, Borneo.

RUBIACEAE

Neonauclea calycina, Merr. *Neonauclea purpurascens*, Ridl.
P. TIOMAN, Sungai Tawar at sealevel, Burkill 1011. Not common
on riverbanks. Java, Borneo, Celebes, Philippines.

Uncaria pedicellata, Roxb. P. TINGGI, Bukit Treh,
Burkill 950. Common ^{in the Peninsula} in open country. W. Malaysia.

Argostemma Hookeri, King P. TIOMAN, Gunong Kajang,
c. 2800 ft., in forest, Henderson 18915. Not common in forest.
Endemic.

Argostemma spinulosum, Clarke P. TIOMAN, Gunong Rokam,
c. 2500 ft., Henderson 18388. In montane forest from Taiping
Hills to Johore. Endemic.

Argostemma unifolium, Benn. P. TIOMAN, Gunong Kajang,
c. 3100 ft., Henderson 18610. Not common in montane forest.
Endemic.

Ophiorrhiza communis, Ridl. P. TINGGI, Bukit Treh,
Burkill s.n.; P. TIOMAN, Joara Bay, fide Burkill. Common in
forest as far south as Malacca. Borneo.

Ophiorrhiza discolor, R. Br. P. TIOMAN, Gunong Rokam,
c. 2700 ft., Henderson 18803. Often in montane forest.
Endemic.

Ophiorrhiza major, Ridl. P.TIOMAN, Bukit Bayoh, c. 700 ft., Henderson 18575. Common in forest. Endemic.

Hedyotis auricularia, Linn. P.TIOMAN, Tanah Runto, c.1500 ft., Henderson 18881. Common ^{in the Peninsula} in open places. Indo-Australia.

Hedyotis capitellata, Wall. P.AOR, c.700 ft., Henderson 18356. Common ^{in the Peninsula} in open places, forest edges, etc. Malaysia.

Hedyotis congesta, Wall. var. *nicobarica*, King P.TIOMAN, Gunong Kajang, c.3000 ft., Henderson 18939. Common ^{in the Peninsula} in forest. Tenasserim, Sumatra, Borneo.

Hedyotis vestita, R.Br. P.AOR, c.700 ft., Henderson 18364. Common ^{in the Peninsula} in open places. Indo-Malaya.

Mussaenda mutabilis, Hook.fil., var. *hirsuta*, King P.TIOMAN, Tanjong Duatah, Burkill 1124; Sungai Tawar at sea-level, Burkill s.n.; Gunong Rokam, c.2700 ft., in open places on hill top, Henderson 18780. Common in forest. Endemic.

Mussaenda spectabilis, Ridl. P.TIOMAN, Kloss, fide Ridley. Endemic and local.

Adenosacme malayana, Wall. P.TINGGI, Burkill 927; P.TIOMAN, Ayer Surin, c.900 ft., in forest, Henderson 18949. Common in forest. Endemic.

Urophyllum corymbosum, Korth. P.TIOMAN, Joara Bay at sealevel, Burkill s.n.; Sedagong, c.900 ft., Henderson 18600. Not uncommon in the south of the Peninsula in forest. W.Malaysia.

Urophyllum streptopodium, Wall. P.TINGGI, Burkill 935; P.TIOMAN, towards the Chula Naga, c.700 ft.; Tanjong Duatah, sealevel; path across island c. 1000 ft., Burkill 1121, 1125, s.n. Common ^{in the Peninsula} in forest. Borneo.

Urophyllum trifurcum, Pearson P.TIOMAN, Gunong Kajang
c.2700 ft., Henderson 18253. Not uncommon in forest. Endemic.

Randia densiflora, Benth. P.TINGGI, Burkill 870.
P.TIOMAN, Ayer Batang at sealevel, Henderson 18470. Common in
the Peninsula in forest. Indo-Australia, China, Japan.

Randia exaltata, Griff. P.TIOMAN, Ayer Surin c.900 ft.,
Henderson 18406. Not common in the Peninsula in northern
forest, Pulau Adang and Penang. Burma, Siam, Java.

Gardenia tentaculata, Hook.fil. P.AOR, Feilding. Common
in the Peninsula on river banks. Borneo.

Diplospora malaccensis, Hook.fil. P.TIOMAN, Ayer Surin
c.900 ft., Henderson 18284. Common in the Peninsula in
forest. Sumatra, Borneo.

Zuccarinia macrophylla, Bl. P.AOR, behind village at
Telok Berhala, c.500 ft., Henderson 18213. Very rare, hitherto
known only from Java.

Scyphiphora hydrophyllacea, Gaertn. P.TIOMAN, Pulau
Tulai at sealevel, Henderson 18523. Common in the Peninsula
on seacoasts. India to Australia.

Ixora arguta, Br. *Ixora plumea*, Ridl. P.AOR, c.700
ft., Henderson 18212. P.DAYANG, Feilding. P.TIOMAN, Joara
Bay, Burkill s.n.; Bukit Sukak c.150 ft., Henderson 18552.
Common in forest, especially in the north of the Peninsula.
Burma to Lower Siam.

Ixora congesta, Roxb. P.TIOMAN, Gunong Rokam c.2700 ft.;
Henderson 18786. Common in the Peninsula in forest. Tenasser-
im.

Ixora grandifolia, Zoll.& Mor. P.TIOMAN, path across
island c.1000 ft., Burkill s.n. Not uncommon in forest, espec-
ially in the north of the Peninsula. Lower Siam, Sumatra,
Java, Borneo.

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- Ixora multibrachiata*, Pearson P.AOR, c.800 ft.,
Henderson 18219; P.TIOMAN, Ayer Besar c.800 ft., in forest,
Henderson 18754. Hitherto known only from open country in
the north of the Peninsula. Lower Siam.
- Ixora pendula*, Jack P.TIOMAN, hilltop to north of
Joara Bay, Burkill 1021. Common in the Peninsula in forest.
Sumatra.
- Ixora stricta*, Roxb. P.AOR, c.800 ft., Henderson 18218.
P.TIOMAN, Sungai Tawar at sealevel, Burkill s.n.; Gunong
Kajang c.2500 ft., Henderson 18924. Common in the Peninsula
in forest. Indo-Malaya and China.
- Pavetta naucleiflora*, Wall. P.AOR, Henderson 18245.
P.TIOMAN, Ayer Besar c.800 ft., Henderson 18565. Rare in the
Peninsula in the north, Kedah, Penang, Perak. India, Burma.
- Stylocoryna costata*, Miq. P.AOR, c.1000 ft., Henderson
18375. Not common in the Peninsula in forest. Sumatra.
- Stylocoryna mollis*, Wall. P.TINGGI, Burkill 868.
P.TIOMAN, path across island c.1000 ft., Burkill s.n. Common
in the Peninsula in forest. Sumatra.
- Guettarda speciosa*, Linn. P.TINGGI, Burkill 855.
P.TIOMAN, Kloss, fide Ridley; Joara Bay, Burkill s.n.; Telok
Saing, Henderson 18904. Common in the Peninsula on sandy
seashores. India to Polynesia.
- Timonius Findlaysonianus*, Hook.fil. P.TINGGI, Burkill
854. Not very common in the Peninsula on seashores. Endemic.
- Morinda elliptica*, Ridl. P.TINGGI, fide Burkill.
P.AOR, c.700 ft., Henderson 18363. Common in the Peninsula
in open places and near the sea. Endemic.

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Morinda umbellata, Linn. P.AOR, Henderson 18210.
P.TIOMAN, Ridley; Joara Bay, Burkill s.n.; Ayer Batang,
Henderson 18468. Common ^{in the Peninsula} in open country. Indo-Australia,
China and Japan.

Psychotria angulata, Korth. P.TIOMAN, path across island
c. 1000 ft., Burkill s.n. Common ^{in the Peninsula} in forest. Burma, Bangka,
Borneo.

Psychotria montana, Bl. P.TIOMAN, path across island
c. 1000 ft.; Joara Bay, Burkill s.n., 974; Bukit Sukak, c. 500 ft.
Henderson 18560. Common ^{in the Peninsula} in forest. Burma, Sumatra, Java.

Psychotria sarmentosa, Bl. P.TIOMAN, Joara Bay at
sealevel, Burkill s.n.; Gunong Kajang, 3300 ft., Henderson
18259. Common ^{in the Peninsula} in forest. Indo-Malaya.

Chasalia curviflora, Thw. P.TIOMAN, Joara Bay, fide
Burkill; Gunong Rokam, c. 2700 ft., Henderson 18808. Common ^{in the Peninsula}
in forest. Indo-Malaya, Philippines.

Cephaelis singaporensis, Ridl. P.TIOMAN, Gunong Kajang,
c. 2500 ft., in forest, Henderson 18922. Not common in forest
south of Kuala Lumpur. Endemic.

Geophila reniformis, Don. P.TINGGI, Burkill s.n.
P.TIOMAN, Joara Bay on the sandflat, Burkill s.n.; Tanah
Runto, c. 1500 ft., Henderson 18886. Not uncommon ^{in the Peninsula} in forest.
Trop. America, Trop. Africa, Indo-Malaya to Polynesia and China.

Streblosa pubescens, Ridl. P.TIOMAN, west of Joara Bay,
c. 1000 ft., Burkill 1140; Bukit Bayoh, c. 700 ft., Henderson
18574. Not common in forest. Endemic.

Lasianthus attenuatus, Lack P.TIOMAN, west of Joara
Bay, c. 1000 ft., Burkill 1149; Gunong Rokam, c. 2700 ft.,
Henderson 18805. Common ^{in the Peninsula} in forest. Lingga.

Lasianthus barbellatus, Ridl. P.TIOMAN, Joara Bay at 26
sealevel, Burkill 976. Endemic and local.

Lasianthus chrysothrix, Ridl., Kew Bulletin,
P.TIOMAN, Tanjong Layer at sealevel in dry rocky woods close
to the sea, associated with Taxotrophis ilicifolia, Henderson
18478. Endemic and local.

Lasianthus cyanocarpus, Jack. P.TIOMAN, path across
island, c.1000 ft., Burkill s.n. Common in the Peninsula
often near the sea. Indo-Malaya to the Philippines.

Lasianthus densifolius, Miq. P.TIOMAN, Bukit Bayoh
c.700 ft., Henderson 18578. Common in forest in the south
of the Peninsula. Borneo.

Lasianthus Maingayi, Hook.fil. P.TIOMAN, path across
island, Burkill s.n.; Sedagong c.1000 ft., Henderson 18851.
Common in the Peninsula in forest. Sumatra and Borneo.

Hydnophytum formicarium, Jack P.TINGGI, Burkill 869.
P.TIOMAN, Gunong Kajang c.2000 ft., in forest, Henderson
18920. Common in the Peninsula both montane and near the sea.
Siam and Indo-China to Celebes.

COMPOSITAE

Adenostemma viscosum, Forst. P.TIOMAN, Ridley; Joara
Bay in the village, Burkill s.n. ; Bukit Sukak c.150 ft.,
Henderson 18553. Common in the Peninsula in waste ground
and in forest. Pantropic.

Synedrella nodiflora, Gaertn. P.TINGGI, by the village,
Burkill s.n. A common weed in the Peninsula in waste ground.
Pantropic.

Spilanthes acmella, Murr. P.TIOMAN, Telok Berhala at
sealevel, Henderson 18532. Very common in the Peninsula in
waste ground. Pantropic.

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Wedelia biflora, DC. P.TIOMAN, Joara Bay on the sandflat, Burkill s.n.; Telok Paya, Henderson 18429. Common in the Peninsula on seashores. Trop.Asia, Polynesia.

Vernonia cinerea, Less. P.TIOMAN, Joara Bay, fide Burkill. Very common in the Peninsula in waste ground. Pantropic.

Vernonia chinensis, Less. P.TIOMAN, Ayer Batang at sea-level, Henderson 18462. Common in the Peninsula in waste places. W.Malaysia, Philippines.

Blumea balsamifera, DC. P.TIOMAN, Joara Bay and Tanjong Duatah, fide Burkill. Common in the Peninsula in open places and secondary growth. Indo-Malaya.

Blumea lacera, DC. P.TIOMAN, Joara Bay in the village, Burkill 1133; Tanah Runto c.1500 ft., in open places cleared by landslip, Henderson 18889. A common weed in the Peninsula. Trop.Africa and Asia.

Blumea membranacea, DC. P.TIOMAN, Telok Saing, Henderson 18907. Common in open places, especially in the north of the Peninsula. Indo-Malaya.

Erigeron sumatrense, Retz. P.TINGGI, Burkill s.n. Common in the Peninsula in waste ground. Siam to the Philippines.

GOODENOVIACEAE

Scaevola Koenigii, Vahl. P.TINGGI, fide Burkill. P.TIOMAN, Joara Bay, fide Burkill; Telok Paya, Henderson 18414. Common in the Peninsula on sandy seashores. India to Polynesia, Madagascar.

VACCINIACEAE

Vaccinium perakense, Ridl. P.TIOMAN, Gunong Rokam c.2700 ft., on open hilltop, Henderson 18813. Montane from the Taiping Hills to Johore. Endemic.

ERICACEAE

Rhododendron jasminiflorum, Hook. P.TIOMAN, Gunong Rokam, c.2700 ft., on open hilltop, Henderson 18810. Not uncommon in the Peninsula in the hills. W.Malaysia.

MYRSINACEAE

Ardisia colorata, Roxb. P.TIOMAN, Ayer Besar c.800 ft., ^{in the Peninsula} in forest, Henderson 18867. Common in forest. Indo-Malaya.

Ardisia crenata, Roxb. P.TIOMAN, Joara Bay on the ^{in the Peninsula} sandflat, Burkill s.n. Common in open places and secondary growth. Indo-Malaya, China, Japan.

Ardisia littoralis, Andr. P.TINGGI, Burkill 852; P.TIOMAN, Joara Bay, Burkill 1037; Ayer Besar, c. 800 ft., in forest, Henderson 18758. A common seashore plant. Indo-Malaya, China.

Ardisia odontophylla, Wall. P.TIOMAN, Sedagong c.1000 ft., ^{Henderson 18867.} in forest, Not very common in the Peninsula in forest. India, Borneo.

Ardisia oxyphylla, Wall. P.AOR, Henderson 18232. Not uncommon in the Peninsula, usually in montane forest. Tenasserim, Lower Siam, Borneo.

Ardisia solanacea, Roxb. P.TIOMAN, Tanjong Duatak, ^{in the Peninsula} in forest at sealevel, Burkill 1104. Not common in forest. India to Burma.

SAPOTACEAE

Sideroxylon ferrugineum, Hook.fil.& Arn. P.TIOMAN, ^{in the Peninsula} Ridley. Common on seashores. Burma to the Philippines and China.

Sideroxylon littorale, Ridl. P.TINGGI, Burkill 876, 878; P.TIOMAN, Pulau Tulai, Henderson 18512. Not common on seashores, known only from these localities and from Kuantan, Pahang.

Mimusops Kauki, Linn. P.TINGGI, Burkill 941; P.TIOMAN, Tanjong Layer, Henderson 18480. Not common in the Peninsula, occasionally cultivated. Burma to Trop.Australia.

EBENACEAE

Maba buxifolia, Pers. P.TIOMAN, south of Joara Bay, Burkill 1038; Ayer Batang at sealevel, Henderson 18619. Common in the Peninsula usually near the sea. Trop.Africa, Indo-Australia.

Diospyros caliginosa, Ridl. P.TIOMAN, west of Joara Bay, Burkill 998. Rare in forest. Endemic.

Diospyros clavigera, Clarke, var. pachyphylla, Ridl. P.TINGGI, Burkill 874. Not uncommon in forest. Endemic.

Diospyros cymosa, Ridl. P.TIOMAN, Ayer Besar c.800 ft., near stream, Henderson 18864. Rare, hitherto known only from Kuantan.

Diospyros ?pyrifera, Ridl. P.TIOMAN, Tanjong Duatah, Burkill 1108.

Diospyros ?sumatrana, Miq. P.TIOMAN, Tanjong Duatah, Burkill 1102.

Diospyros trunciflora, Ridl. P.AOR, c.1000 ft., Henderson 18376. P.TIOMAN, Burkill fide Ridley; Bukit Tulak Blakang, in forest, Henderson 18852. Not uncommon in forest. Endemic.

OLEACEAE

Jasminum Griffithii, Clarke P.TIOMAN, Sedagong,
c. 1000 ft., in forest, Henderson 18850. Wide spread but not
common. Endemic.

Olea maritima, Wall. P.TIOMAN, Telok Paya, Henderson
in the Peninsula
18432. Common/near the sea. W.Malaysia.

APOCYNACEAE

Hunteria corymbosa, Roxb. P.TIOMAN, Ayer Surin, c. 900 ft.
Henderson 18407. Not uncommon in forest in the Peninsula as
far south as Negri Sembilan. India, Sumatra.

Rauwolfia perakensis, King and Gamble P.TIOMAN,
Joara Bay at sealevel, Henderson 18836. Common in open
places, sometimes montane. Lower Siam.

Cerbera Odollam, Gaertn. P.TIOMAN,
Joara Bay, fide Burkill.
Not very common in the Peninsula on seacoasts. Trop. Asia
to Polynesia.

Ochrosia borbonica, Gmel. P.TIOMAN, south of Joara
Bay, Burkill s.n. Rare in the Peninsula on seashores,
Pulau Adang and Singapore. Indo-Malaya.

Ervatamia malaccensis, King and Gamble P.TIOMAN,
Ridley. Common in forest. Endemic.

Parsonsia spiralis, Wall. P.TIOMAN, Joara Bay on
the sandflat, Burkill s.n.; Sedagong c.1000 ft., in forest,
Henderson 18846. Common in the Peninsula near the sea.
India to New Guinea.

ASCLEPIADACEAE

Asclepias curassavica, Linn. P.TIOMAN, Telok Berhala, Henderson 18531, and seen in the village at Joara Bay, and also on P.AOR. An American alien, now established in villages in the Peninsula.

Cynanchum ovalifolium, Wight. P.TIOMAN, Joara Bay ^{in the Peninsula} on the sandflat, Burkill s.n. Not uncommon in open places. Java.

Hoya diversifolia, Bl. P.TIOMAN, Joara Bay on the sandflat, Burkill s.n.; Telok Paya and Pulau Tulai, Henderson ^{in the Peninsula} 18419, 18508. Common near the sea. Burma, Java, Amboina.

Hoya latifolia, Don P.TIOMAN, Gunong Rokam, c.2200 ft., Henderson 18386. Common ^{in the Peninsula} in forest, usually lowland. Sumatra, Java.

Hoya multiflora, Bl. P.TIOMAN, Ridley s.n. Common ^{in the Peninsula} in forest. Indo-Malaya.

Hoya parasitica, Wall. P.TINGGI, Feilding. Common ^{in the Peninsula} near the sea. India to Tenasserim.

Hoya Ridleyi, King and Gamble P.TINGGI, Feilding; Burkill 898. Common ^{in the Peninsula} in open places. Lower Siam.

Dischidia bengalensis, Colebr. P.TIOMAN, Sungai Tawar ^{in the Peninsula} at sealevel, Burkill 1030. Common near the sea and sometimes montane. Java, Borneo.

BORAGINACEAE

Cordia subcordata, Lam. P.TIOMAN, Tanjong Saik, Henderson 18493. Not common on seashores in the Peninsula as far south as the Dindings. Indo-Australia.

Ehretia timorensis, DC. P.AOR, Henderson 18203. Not common in forest in the Peninsula. Indo-Australia.

CONVOLVULACEAE

Merremia hastata, Hallier P.TIOMAN, Joara Bay on the sand flat, Burkill s.n.; Telok Paya, Henderson 18431. ^{in the Peninsula} Common/in sandy places. Trop.Africa, Indo-Australia.

Merremia nymphaefolia, Hallier P.TIOMAN, Joara Bay, common, Burkill s.n. Not common in the Peninsula in forest. S.E.Asia to Australia and Polynesia, Mascarene Is.

Ipomoea carnosae, R.Br. P.TIOMAN, Joara Bay, Burkill 978. ^{in the Peninsula} Not common/on seashores. Pantropic.

Ipomoea Learii, Paxt. P.TIOMAN, Tanjong Saik, Henderson 18491. Probably an escape from cultivation.

Ipomoea littoralis, Bl. P.TINGGI, Burkill 889. P. TIOMAN, Joara Bay, fide Burkill. Not common in the Peninsula on seashores. India to the Seychelles, Malaya and Polynesia.

Ipomoea pes-caprae, Roth. P.TINGGI, fide Burkill; P.TIOMAN, Pulau Tulai, Henderson 18503, and seen at Ayer Batang. ^{in the Peninsula} Common/on sandy seashores. Pantropic.

Ipomoea pes-tigridis, Linn. P.TIOMAN, Telok Paya, Henderson 18438. Not common in the Peninsula in waste ground. Trop.Africa, S.E.Asia.

CARDIOPTERIDACEAE

Cardiopteris lobata, Wall. P.TIOMAN, Joara Bay in Belukar, Burkill s.n. Not common in the Peninsula in open places and secondary growth. India to New Guinea.

SOLANACEAE

Solanum Blumei, Nees P.TIOMAN, Tanah Runto c.1500 ft. Henderson 18882. Common in the Peninsula in hill forest. W.Malaysia.

Solanum decemdentatum, Roxb. P.TIOMAN, Ayer Surin, c.900 ft., Henderson 18286. Rare in the north of the Peninsula. Indo-China, Malaysia.

Solanum ferox, Linn. P.TINGGI, in village, fide Burkill; P.TIOMAN, Joara Bay, fide Burkill; Tanah Runto, c,1500 ft., establishing itself where forest has been cleared by landslip, Henderson 18868. Common ^{in the Peninsula} in waste ground. Indo-Malaya.

Solanum indicum, Linn. P.AOR, Feilding; P.TIOMAN, Telok Berhala, Henderson 18539. Not common in the Peninsula in waste ground. S.E. Asia.

Solanum nigrum, Linn. P.TINGGI, in village, fide Burkill. Common ^{in the Peninsula} in waste ground. Pantropic and in temperate regions.

Solanum sarmentosum, Nees P.TIOMAN, Joara Bay, Burkill 1017. Cultivated and escaping. W.Malaysia.

Solanum verbascifolium, Linn. P.AOR, Henderson 18201; P.TINGGI, fide Burkill; P.TIOMAN, Joara Bay, Burkill 1047; Telok Paya, Henderson 18427. Common ^{in the Peninsula} in waste ground. Pantropic.

Capsicum minimum, Roxb. P.TIOMAN, Joara Bay, cultivated, fide Burkill. Commonly cultivated throughout the Peninsula. Origin America.

Physalis minima, Linn. P.DAYANG, Feilding; P.TIOMAN, Joara Bay, fide Burkill; Telok Paya, Henderson 18435. Common ^{in the Peninsula} on seashores and waste ground. Pantropic.

SCROPHULARIACEAE

Torenia ciliata, Sm. P.TIOMAN, Telok Paya, Henderson 18292. Not uncommon in the Peninsula in open places. Sumatra, Timor.

Torenia peduncularis, Benth. P.TIOMAN, Joara Bay, Burkill s.n. Common in the Peninsula in forest. Indo- China, Java, Timor.

GESNERACEAE

Didymocarpus corchorifolia, R.Br. P.TIOMAN, Gunong Rokam c.2700 ft., in open places on hilltop, Henderson 18393 (a condensed form), 18785. Endemic in montane forest.

Paraboea densifolia, Henderson, comb.nov. *Didymocarpus densifolia*, Ridl. Journ. Roy. As. Soc. Str. Br. 44, p.51; Flor. Mal. Pen. II, p.521. P.TIOMAN, Gunong Kajang, c.2000 ft., Henderson 18917. Hitherto known only from Gunong Janeng, Johore, and described by Ridley under Didymocarpus in the absence of corollas.

The following is a description of the corolla:-

Corolla campanulate, 1.5-1.7 cms. long, lobes broad, rounded. Filaments short, broad, anthers connivent. Ovary viscid hairy. Style long, stigma capitate, rather large.

Paraboea tiomanica, Burkill. P.TIOMAN, west of Joara Bay, c.1000 ft., in forest, Burkill 1142; Sungai Tawar on stones in streambed, Burkill 1027; Sedagong c.900 ft., Henderson 18581. Endemic and local.

Stauranthera grandifolia, Benth. P.TIOMAN, Joara Bay at sealevel, Burkill 975; Ayer Surin c.900 ft., Henderson 18405. Not common ^{in the Peninsula} in rocky places. Burma.

Cyrtandromoea acuminata, Benth.& Hook. P.TIOMAN, Gunong Rokam c.2700 ft., Henderson 18802. Not uncommon in the Peninsula in montane forest. Sumatra.

Cyrtandromoea repens, Ridl. P.TIOMAN, path across island c.1000 ft., Burkill s.n. Very rare, hitherto known only from Upper Perak.

Loxonia acuminata, Br. P.TIOMAN, west of Joara Bay c.1000 ft., Burkill 1135. Rare in forest, not known from elsewhere in the Peninsula. Sumatra, Java.

Cyrtandra pendula, Bl. P.AOR, c.1000 ft., Henderson 18373; P.TIOMAN, Ridley, Joara Bay, Burkill 977; path across island, Burkill s.n.; Bukit Bayoh c.700 ft., Henderson 18570. Common in the Peninsula in forest. Sumatra, Java.

Cyrtandra pilosa, Bl. P.TIOMAN, Bukit Sukak c.300 ft., Henderson 18558. Common in forest in the Peninsula, usually montane. Malaysia.

Cyrtandra suffruticosa, Ridl. P.TIOMAN, Ridley; Sungai Tawar, Burkill 1028; Pulau Tulai, Henderson 18511. Not very common on rocks and trees. Endemic.

BIGNONIACEAE

Oroxylum indicum, Vent. P.TIOMAN, Tanjong Duatah, fide Burkill. Common in the Peninsula in swamps and near rivers. ~~Siam~~, Indo-Malaya, *Indo-China*.

Dolichandrone Rheedei, Seem. P.TINGGI, Burkill s.n.; P.TIOMAN, south of Joara Bay at sealevel, Burkill s.n. In the Peninsula common near the sea. India to New Guinea.

Stereospermum fimbriatum, DC. P.TIOMAN, north of Joara Bay, Burkill 1022. Common in the Peninsula in lowland forest. Burma, Siam.

PEDALINACEAE

Sesamum indicum, DC. P.TIOMAN, Joara Bay at sealevel, Henderson 18841. Common in the Peninsula in waste ground. Pantropic.

ACANTHACEAE

Staurogyne Griffithiana, Kuntze P.TIOMAN, path across c.1000 ft., island, Burkill s.n.; Ayer Besar c.800 ft., Henderson 18563. Common in forest. Endemic.

Staurogyne lasiobotrys, Kuntze P.TIOMAN, west of Joara Bay c.1000 ft., Burkill 1144. Not uncommon in the Peninsula in montane forest. Burma.

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Staurogyne setigera, Kuntze P.TIOMAN, west of
Joara Bay, c.1000 ft., Burkill 1145. Common in the Peninsula
in forest. W.Malaysia.

Strobilanthes latebrosa, Ridl. P.TIOMAN, Gunong Rokam
c.2700 ft., Henderson 18806. Rare, hitherto known only from
Bukit Tangga, Negri Sembilan.

Aporuella axillaris, Clarke P.TIOMAN, path across
island c.1000 ft., Burkill s.n. Rare in the Peninsula,
hitherto known only from Perlis and Pahang. Lower Siam.

Pseuderanthemum crenulatum, Radlk. P.TIOMAN, Ayer
Batang at sealevel, Henderson 18463. Common in forest in
the Peninsula, usually in the lowlands. Burma, Siam,
Tenasserim, Indo-China.

Hemigraphis Ridleyi, Clarke P.TIOMAN, Joara Bay
Burkill 995. In open places, especially in the north of the
Peninsula. Lower Siam.

Gendarussa vulgaris, Nees. P.TINGGI, south coast,
Burkill s.n.; P.TIOMAN, Joara Bay, fide Burkill. Common
in villages and near cultivation. S.E.Asia.

Justicia ovalis, Ridl. Journ. F.M.S.Museums X, part 2
(1920), p.150; Flor. Mal. Pen. II, p.600. P.TIOMAN,
Joara Bay, Burkill 970. Endemic and local.

Justicia vasculosa, Wall. P.TIOMAN, Gunong Rokan,
c.2700 ft., Henderson 18797. Not uncommon in the Peninsula
in forest. Assam to Sumatra.

Ptyssiglottis obovata, Moore P.TIOMAN, Bukit Bayoh
c. 700 ft., Henderson 18577. Not common in montane forest.
Endemic.

Ruellia repens, Linn. P.TIOMAN, Joara Bay, Burkill
s.n. A common weed in the Peninsula. Indo-Malaya, China.

Polytrema vulgare, Clarke P.AOR, Feilding; P.TINGGI,
Burkill s.n. P.TIOMAN, Joara Bay, Burkill s.n. Not uncommon
in the Peninsula in forest. Lower Siam.

Peristrophe acuminata, Nees P.TIOMAN, Ridley. Common
in the Peninsula in waste ground. Indo-Malaya.

VERBENACEAE

Callicarpa cana, Linn. P.AOR, Henderson 18202.
Common in the Peninsula in open places. Malaysia to Australia.

Callicarpa longifolia, Lam. P.DAYANG, Feilding;
P.TIOMAN, Durian Sabak c.300 ft., in secondary growth,
Henderson 18835. Common in the Peninsula in the lowlands.
Sumatra to N.Australia.

Premna divaricata, Wall. P.DAYANG, Feilding. Common
in the Peninsula in open places and secondary growth. Borneo.

Premna foetida, Reinw. P.TIOMAN, Pulau Tulai,
Henderson 18513. Not uncommon in the Peninsula in the
lowlands. Java, Borneo, Moluccas.

Premna integrifolia, Linn. P.SANGGUL, Burkill 962;
P.TIOMAN, Joara Bay on the sandflat, Burkill s.n. Not very
common in the Peninsula on seashores. Ceylon, Tenasserim.

Gmelina villosa, Roxb. P.AOR, Henderson 18209.
In the Peninsula common near the sea and in forest. Indo-
Malaya to the Philippines.

Clerodendron inerme, Benth. P.TINGGI, fide Burkill;
P.TIOMAN, Joara Bay, fide Burkill; Pulau Tulai, Henderson
18499. Common in the Peninsula on seacoasts. Trop.Africa
and Asia to Polynesia.

Vitex pubescens, Vahl. P.TIOMAN, Ayer Batang at
sealevel, Henderson 18466. Common in the Peninsula in open
country and secondary growth. Indo-Malaya to the Philippines.

Vitex trifolia, Linn., var. *repens*, Ridl. P. TIOMAN,
Joara Bay on the sandflat, Burkill s.n.; Telok Paya, Henderson
18415. Common on seashores. India to Japan and Australia.

Vitex vestita, Wall. P. TINGGI, Bukit Treh, Burkill
s.n. Common in the Peninsula in lowland forest. Indo-Malaya.

LABIATAE

Ocimum basilicum, Linn. P. TINGGI, in the village,
Burkill s.n. P. TIOMAN, Telok Paya, Henderson 18428. Often
cultivated in the Peninsula. Pantropic.

Leucas zeylanica, R.Br. P. TIOMAN, Joara Bay on the
sandflat, Burkill s.n.; Telok Paya, Henderson 18434. Common
in the Peninsula in waste ground. S.E. Asia.

Coleus atropurpureus, Benth. P. AOR, Feilding.
Common in the Peninsula in open places. Malaysia.

Gomphostemma Curtisii, Prain P. TIOMAN, Bukit Bayoh
c. 700 ft., Henderson 18576. Not common, usually in montane
forest, Penang, Taiping Hills, Main Range. Endemic.

NYCTAGINACEAE

Boerhaavia diffusa, Linn. P.TIOMAN, Joara Bay on the sandflat, Burkill s.n.; Telok Paya, Henderson 18436. Common in the Peninsula on sandy seashores. Pantropic.

Mirabilis jalapa, Linn. P.TINGGI, cultivated, fide Burkill. A native of Mexico, cultivated and naturalized in the tropics.

Pisonia aculeata, Linn. P.TIOMAN, Tanjong Saik, Henderson 18487. Rare in the Peninsula, hitherto known only from Perlis. Pantropic.

AMARANTACEAE

Deeringia indica, Zoll. P.TIOMAN, Sedagong c.1000 ft., in forest, Henderson 18892. Not common in the Peninsula, usually on or near limestone. W.Malaysia, Philippines.

Amaranthus viridis, Linn. P.TINGGI, in the village, fide Burkill. A common weed in the Peninsula. Cosmopolitan.

Acryanthes aspera, Linn. P.TIOMAN, Joara Bay, fide Burkill; Telok Paya, Henderson 18416. Common in the Peninsula in waste ground. Pantropic.

ARISTOLOCHIACEAE

Aristolochia Tagala, Cham. P.AOR at sealevel, Henderson 18226; P.TIOMAN, Joara Bay on the sandflat, Burkill s.n.; Durian Sabak c.300 ft., in secondary growth, Henderson 18823. Common in the Peninsula in open places. Indo-Malaya, Philippines.

CYTINACEAE

Rafflesia Hasseltii, Suringar P.TIOMAN, Sedagong c. 900 ft., in forest, Henderson 18395, 18908. Not common in the Peninsula in forest. Sumatra.

NEPENTHACEAE

Nepenthes ampullaria, Jack P.TIOMAN, Gunong Kajang c.3000 ft., Henderson 18937. Common in the Peninsula, usually at low altitudes. Malaysia.

PIPERACEAE

Peperomia kotana, C.DC. P.TIOMAN, Sungai Tawar at sealevel, Burkill 1004. Rare, hitherto known only from Kota Glanggi, Pahang.

Piper caninum, Bl. P.AOR, c.800 ft., Henderson 18222, 18231, 18353; P.TIOMAN, Joara Bay, Burkill 971; path across island, Burkill s.n.; Durian Sabak c.300 ft., in secondary growth, Henderson 18832. Common in the Peninsula in the lowlands. W.Malaysia to the Philippines.

Piper lanatum, Roxb. P.TIOMAN, Burkill fide Ridley. Not common in the Peninsula, Penang to Negri Sembilan. W.Malaysia.

Piper officinarum, C.DC. P.TINGGI, Burkill 851; P.TIOMAN, Telok Paya, Henderson 18411. Rare in the Peninsula, known also from Malacca. Sumatra to the Philippines.

Piper stylosum, Miq. P.TIOMAN, west of Joara Bay c.1000 ft., Burkill 1139. Common in the Peninsula in forest. Sumatra, Borneo.

Piper umbellatum, Linn. P.TIOMAN, Tanah Runto c. 1500 ft., Henderson 18870. Common in forest, especially in the north of the Peninsula. Pantropic.

MYRISTICACEAE

Horsfieldia Irya, Warb. P.TINGGI, Burkill 897., Common in the Peninsula in forest. Indo-Malaya.

Horsfieldia majuscula, Warb. P.TIOMAN, Joara Bay in belukar, Burkill s.n. Not uncommon in the Peninsula in forest. Lower Siam.

Knema ?geminata, Warb. P.AOR, c.800 ft., Henderson 18220.

Knema malayana, Warb. P.AOR, Henderson 18244. Common in the Peninsula in forest. Burma and Tenasserim.

Knema missionis, Warb. P.TIOMAN, Sungai Tawar at
sealevel, Burkill s.n. Common in the Peninsula in forest,
especially in the north. Burma, Tenasserim, Borneo.

LAURACEAE

Alseodaphne peduncularis, Hook.fil. P.TINGGI, Burkill
906. Common in forest. Endemic.

Nothaphoebe reticulata, Gamble P.TIOMAN, Lubok Lanun
c.800 ft., Henderson 18856. Not common in forest on the
Main Range. Endemic.

Litsea johorensis, Gamble P.TIOMAN, Gunong Kajang
in forest,
c.3000 ft., /Henderson 18940. Not common in lowland forest in
Neri Sembilan, Pahang and Johore. Endemic.

Litsea madulifolia, Ridl.
P.TIOMAN, Lubok Lanun c.800 ft., Henderson 18862. Endemic
and local.

Cassytha filiformis, Linn. P.TINGGI, very common,
fide Burkill; P.TIOMAN, Joara Bay, fide Burkill; Telok
Berhala, Henderson 18533. Common in the Peninsula on sea-
coasts. Pantropic.

HERNANDIACEAE

Hernandia peltata, Meissn. P.TINGGI, Feilding;
P.TIOMAN, Joara Bay at sealevel, Henderson 18839. Not very
common in the Peninsula on seashores. Africa to Polynesia.

LORANTHACEAE

Loranthus crassus, Hook.fil. P.TIOMAN, Sungai
Tawar at sealevel, Burkill s.n. Not very common, Kedah to
Singapore. Endemic.

BALANOPHORACEAE

Balanophora insularis, Ridl. P.AOR, Feilding.
Rare in the Peninsula, known also from Upper Perak.
Christmas Island.

EUPHORBIACEAE

Euphorbia Atoto, Forst. P. TIOMAN, Joara Bay, Burkill
s.n.; Telok Paya, Henderson 18413. Common in the Peninsula
on sandy seashores. India to Australia and Polynesia.

Euphorbia hirta, Linn. P. TINGGI, in the village in
sand, fide Burkill. A common weed in the Peninsula. Pantropic.

Cleistanthus heterophyllus, Hook. fil. P. TIOMAN,
Joara Bay at sealevel, Burkill s.n. Not common in the
Peninsula in forest. ?Borneo.

Cleistanthus polyphyllus, Williams P. TIOMAN, Tanah
Runto c.1300 ft., Henderson 18875. Common in the open heaths
of the north of the Peninsula. *Lower Siam.*

Actephilopsis malayana, Kidl. ~~Penang, Gunong~~
~~Actephila javanica~~, Niq. P. TIOMAN, Joara Bay at
sealevel, Burkill 973; Sedagong c.1000 ft., Henderson 18847.
~~Apparently Not very~~ *Penang, Gunong, Korbua*
Kuala Tembeling *Endemic* commonest in the north
of the Peninsula. Tenasserim, Lower Siam, Java, Borneo.

Actephila puberula, Kurz. P. TIOMAN, Bukit Bayoh
c.700 ft., Henderson 18568. Not uncommon in the Peninsula
in lowland forest and near the sea. Andamans and Lower Siam;

Phyllanthus frondosus, Wall. P. TIOMAN, north of
Joara Bay, Burkill s.n. Common in the Peninsula in forests.
Siam, Lingga, Carimon Islands.

Phyllanthus Niruri, Linn. P. TINGGI, near the village
insand, Burkill s.n. Common in the Peninsula in waste
ground. Pantropic.

Glochidion laevigatum, Hook. fil. P. TINGGI, Burkill
856. Common in the Peninsula in open places. Tenasserim.

Breynia discigera, Müll. Arg. P. TIOMAN, Gunong Rokam
c.2700 ft., Henderson 18804. Common in the Peninsula in forest
and secondary growth. Siam.

Breynia rhamnoides, Müll. Arg. P. TIOMAN, Joara Bay,
on the sandflat, Burkill s.n.; Durian Sabak c. 300 ft., in
secondary growth, Henderson 18828. Common in the Peninsula
in open places. Indo-Malaya to the Philippines, China.

Antidesma Moritzii

Antidesma montanum, Bl. P. AOR, c. 700 ft., Henderson
18214; P. TIOMAN, Bukit Batu Lima c. 700 ft., Henderson 18561.
Common in the Peninsula in lowland forest. Indo-Malaya.

Antidesma velutinosum, Bl. P. AOR, c. 500 ft.,
Henderson 18352; P. TINGGI, Burkill 915; P. TIOMAN, Tanah Runto
c. 1200 ft.; Sedagong c. 1000 ft., Henderson 18379, 18849.
Common in the Peninsula in lowland forest. Burma, Siam,
Sumatra, Java.

Baccaurea sapida, Müll. Arg. P. AOR, Feilding; P.
TINGGI, Sungai Treh, Burkill 959. Apparently not common in
the Peninsula, Langkawi and Taiping. Indo-Malaya, wild and
cultivated.

Baccaurea Scortechinii, Hook. fil. P. TIOMAN, Tanjong
Duatah at sealevel, Burkill 1105. Endemic and rare in forest,
Kuala Dipang, Perak, and Kuala Tembeling, Pahang.

Baccaurea Wrayi, King, var. *angustifolia*, Ridl.
in forest,
P. TIOMAN, Sedagong c. 1000 ft., Henderson 18383. Not
common in forest in the north. Known also from the Pahang
coast. Endemic.

Aleurites moluccana, Willd. P. TINGGI, in the
village, fide Burkill. Common in the Peninsula on seacoasts,
and occurring on limestone. Malaya to Polynesia.

Galearia Wallichii, Hook. fil. P. TIOMAN, Tanah Runto
c. 1400 ft., on rocks, Henderson 18384. Not common in the
Peninsula in forest, Johore and Singapore. Tenasserim, Tongka.

+ Microdesmis casearifolia, Planch. P.TIOMAN, hill west of Joara Bay, common, Burkill s.n. Common in the Peninsula in forest. Tenasserim to Borneo ^{the Philippines} and S.China.

Croton Cumingii, Müll.Arg. P.TIOMAN, Joara Bay, Burkill 1039. In the Peninsula usually on or near limestone. Siam, Philippines.

Croton erythrostachys, Hook.fil. P.TIOMAN, Gunong Kajang c.2800 ft., in forest, Henderson 18913. Not common, usually montane. Endemic.

Trigonostemon arboreum, Ridl., Kew Bulletin, 2, (1928), p 75, P.TIOMAN, Sedagong c.1000 ft., in forest, Henderson 18595. Endemic and local.

Trigonostemon longifolius, Baill. P.TINGGI, Burkill 881. P.TIOMAN, Sungai Tawar at sealevel, Burkill s.n.; Gunong Rokam c.2700 ft.; Tanjong Layer at sealevel, Henderson 18789, 18477. Common in forest in the Peninsula, usually in the lowlands. Tenasserim, Sumatra.

Trigonostemon malaccanus, Müll.Arg. P.AOR, Burkill 958; P.TIOMAN, Tanjong Duatah c.700 ft., Burkill 1115. Not common in forest, Kedah, Malacca, Negri Sembilan, Johore. Endemic.

Claoxylon longifolium, Müll.Arg. P.TIOMAN, Gunong Rokam c.2700 ft., Henderson 18781. Not uncommon in the Peninsula in forest. Sumatra, Java.

Acalypha siamensis, Gage P.TIOMAN, Joara Bay in the village, Burkill ⁹⁹⁴ s.n. In open sandy places in the north and east of the Peninsula. Siam.

Coelodiscus subcuneatus, Gage P.AOR, c.600 ft., Henderson 18377; P.TIOMAN, Tanah Runto c.1500 ft., Henderson 18884. Apparently not common in the north of the Peninsula, extending as far south as Kuala Lumpur. Endemic.

Melanolepis multiglandulosa, Rchb.fil. and Zoll.
P.AOR, Henderson 18234. Not common in the Peninsula in forest
Malaysia, Indo-China.

Mallotus cochinchinensis, Lour. P.TIOMAN, north
of Joara Bay in belukar, Burkill s.n. Common in the Peninsula
in secondary growth. Indo-Malaya, China.

Mallotus dispar, Müll.Arg. P.TIOMAN, path across
island c.1000 ft., Burkill 997. Not common in the Peninsula,
usually near limestone. Sumatra, Java, Borneo.

Mallotus Porterianus, Müll.Arg. P.TIOMAN, Tanjong
Layer, Henderson 18476. Common in the Peninsula in forest
and secondary growth. ?Siam, Sumatra.

Macaranga megalophylla, Müll.Arg. P.TINGGI, Burkill
s.n.; P.TIOMAN, Joara Bay, Burkill s.n. Common in the
Peninsula in open swampy places. Sumatra, Borneo.

Macaranga tanaria, Müll.Arg. P.TIOMAN, Telok Saing,
Henderson 18906. Common in the Peninsula in forest and
open places. Tenasserim to Australia and China.

Endospermum borneense, Müll.Arg. P.TIOMAN, Sedagong
c.1000 ft., in forest, Henderson 18396 (native name melokan).
Hitherto known only from Borneo.

Cnesmone javanica, Bl. P.TIOMAN, Joara Bay, Burkill
s.n.; Henderson 18838. Common in the Peninsula in open
places. Indo-Malaya.

Ricinus communis, Linn. P.TINGGI, in the village,
fide Burkill. The castor-oil plant, often cultivated
and escaping. Pantropic.

Macaranga sp.
P. Tioman Kloos
June 1916

Gelonium bifarium, Roxb. P.AOR, at sealevel,
Henderson 18223; P.TIOMAN, Joara Bay, Burkill 1129; Telok
Paya, Henderson 18424. Not common in the Peninsula in the
lowlands. Tenasserim, W.Malaysia.

Gelonium multiflorum, Juss. P.TIOMAN, path across
island c.1000 ft., Burkill s.n.; Bukit Bayoh c.700 ft.,
Henderson 18567(doubtful). Not uncommon in forest in the
Peninsula. India, Siam.

Excoecaria Agallocha, Linn. P.TINGGI, in sand,
fide Burkill. Common in the Peninsula near the sea. Indo-
Australia.

Sebastiana chamaelea, Müll.Arg. P.TIOMAN, Joara
Bay on the sandflat, Burkill s.n. Common in the Peninsula
in open places. Africa, Indo-Australia, China.

URTICACEAE

Trema amboinensis, Bl. P.TIOMAN, Tanah Runto c.1500 ft.,
establishing itself on ground cleared by a landslip, Henderson
18878. Very common in the Peninsula in open places and
waste ground. Indo-Australia, China.

Taxetrophis ilicifolia, Vidal. P.AOR, common in
rocky woods near the sea; P.TINGGI, Burkill 904; P.TIOMAN,
in the Peninsula
common in dry rocky woods near the sea. Not uncommon in
dry forest, especially near limestone. Siam and the
Philippines.

Ficus alba, Reinw. P.TINGGI, Burkill s.n. Common
in the Peninsula in secondary growth. W.Malaysia.

Ficus diversifolia, Bl., var. *lutescens*, King
P.TIOMAN, Gunong Rokam c.2700 ft., in open places, Henderson
18811. Common in the Peninsula in montane forest. Malaysia.

Ficus fistulosa, Reinw. P.TINGGI, Burkill 938 (doubtful); P.TIOMAN, Gunong Kajang c.2500 ft., in forest, Henderson 18923. In the Peninsula in forest north of Fraser Hill. Indo-Malaya, China.

Ficus gibbosa, Bl. P.TIOMAN, Sungai Baju at sealevel, Burkill 1126. Not common in the Peninsula near the sea and on riverbanks. Indo-Malaya, S.China.

Ficus glandulifera, Wall. P.TINGGI, Burkill 875. Common in the Peninsula in forest. W.Malaysia.

Ficus hispida, Linn. P.AOR, sealevel, Henderson 18224; P.TINGGI, Burkill 877; P.TIOMAN, Joara Bay, Burkill 981, 1013. Common in the Peninsula in forest. Indo-Australia, China.

Ficus infectoria, Roxb. P.TIOMAN, Pulau Tulai at sealevel, Henderson 18505. Not uncommon in the Peninsula near the sea. Indo-Malaya, Philippines.

Ficus laevis, Bl. P.AOR, Henderson 18249. In the Peninsula Penang to Singapore in forest. Indo-Malaya.

Ficus lepicarpa, Bl. P.TIOMAN, Lubok Lanun c.800 ft., Henderson 18857. Common in the Peninsula in lowland forest. W.Malaysia.

Ficus Miquelii, Hook.fil. P.TIOMAN, Ayer Surin c.900 ft.; Durian Sabak c.300 ft., Henderson 18285, 18822. Common in the Peninsula in lowland forest. Tenasserim, W.Malaysia.

Ficus obscura, Bl. P.AOR, Feilding. Not very common in the Peninsula in forest. Indo-Malaya.

Ficus pisifera, Wall. P.TIOMAN, Sungai Tawar at sealevel, Burkill 1041. Common in the Peninsula in forest. W.Malaysia to the Philippines.

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- Ficus ?polysyce*, Ridl. P.TINGGI, Burkill 1949.
- Ficus Scortechinii*, King P.TINGGI, Bukit Treh,
Burkill 954. Very rare, hitherto known only from Kampar,
Perak.
- Artocarpus incisa*, Linn. P.TIOMAN, Joara Bay in the
village, fide Burkill. Cultivated in the Peninsula, native
of Polynesia.
- Artocarpus polyphema*, Pers. P.TIOMAN, Joara Bay in
the village, fide Burkill. Cultivated in the Peninsula and
wild in some localities. Indo-China to Malaya.
- Conocephalus Scortechinii*, Hook.fil. P.TIOMAN,
Joara Bay,
Burkill s.n. Common in the Peninsula in forest. Borneo.
- Conocephalus subtrinervius*, Miq. P.AOR, Feilding.
Common in the Peninsula in forest. ?Sumatra, Borneo.
- Pellionia javanica*, Wedd. P.TIOMAN, Bukit Sukak
c.400 ft., Henderson 18559. Not uncommon in the north of
the Peninsula, Taiping Hills and Main Range. Java.
- Procris latifolia*, Bl. P.TIOMAN, Tanjong Layer at
sealevel, Henderson 18485. In the Peninsula on rocks in
forest, often on limestone. Tenasserim to Samoa.
- Boehmeria malabarica*, Wedd. P.TIOMAN, Joara Bay at
sealevel; path across island c.1000 ft., Burkill s.n.
Not hitherto recorded from the Peninsula. India, Ceylon,
Java, Borneo.
- Pouzolzia indica*, Gaud. P.TIOMAN, Joara Bay in
the village, Burkill s.n. Common in the Peninsula in waste
ground. Indo-Malaya, China.
- Pipturus velutinus*, Wedd. P.TINGGI, south coast,
Burkill s.n., P.TIOMAN, Telok Berhala, Henderson 18529.
Not hitherto recorded from the Peninsula. Malaysia.

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Debregeasia squamata, Hook.fil. P.TIOMAN, Tanah
Runto c.1500 ft., Henderson 18869. Not common from Kuala
Lumpur northwards. Endemic.

CASUARINACEAE

Casuarina equisetifolia, Forst. P.TINGGI, fide
Burkill; P.TIOMAN, commoner on the west coast than the east.
Common on sandy seacoasts. India to Australia and Polynesia.

CUPULIFERAE

Pasania cyrtorhyncha, Gamble P.TINGGI, Bukit Treh,
Burkill 956. In the Peninsula in forest from Taiping to
Singapore. Sumatra, Borneo, Philippines.

HYDROCHARIDACEAE

Enhalus Koenigii, Rich. P.TINGGI, Burkill 899, 900.
(I have not seen these specimens). Common round the coast
(fide Ridley). Madagascar, Asia, Australia.

ORCHIDACEAE

tiomanensis
Oberonia ~~coralifera~~, Henderson, sp.nov.

Herba epiphytica, acaulis. Folia falcata ad 3.5 cms. longa.
Racemus ad 10 cms. longus, arcuato-flexuosus. Bractae
inflorescentiae triangulo-ovatae, aristatae, 2.mms. longae.
Flores 1.5 mms. latae. Sepala ovata, obtusa, concava, 0.6 mm.
longa. Petala oblonga, acuta. Labellum tri-lobatum, 1 mm.
longum, lobi laterales linearii, lobus medius oblongus,
bifurcatus, divisionibus lanceolatis acutis. Capsula
breviter pedicellata, oblonga, 3 mms. longa.

A small epiphytic tufted stemless plant. Leaves falcate,
up to 3.5 cms, long. Spike up to 10 cms. long, flrs rather
distant. Bracts triangular ovate aristate, 2 mms. long.
Flowers 1.5 mms. across. Sepals ovate blunt, concave, 0.6
mms. long. Petals oblong acute, shorter and narrower than
the sepals. Lip 3-lobed, 1 mm. long, side lobes linear,
midlobe oblong, deeply bifurcate, the divisions spreading,
lanceolate acute. Column short, broad. Capsule shortly
pedicelled, oblong, 3 mms. long.

P. TIOMAN, base of Gunong Kajang c.2000 ft., Henderson 18919. Flowers and spike all coral red.

Liparis elegans, Lindl. P. TIOMAN, Gunong Rokam c.2700 ft., Henderson 18807. Common in the Peninsula in forest. Borneo.

Liparis Wrayi, Hook.fil. P. TIOMAN, Gunong Kajang c.2500 ft., Henderson 18925. Not common, Perak and the Dindings. Endemic.

Desmotrichum Kelsalli, Ridl. P. AOR, Feilding. Montane from Kedah Peak to Mt. Ophir. Endemic.

Dendrobium crumenatum, Swartz. P. TINGGI, fide Burkill. Common on roadside and other trees. Indo-Malaya, China.

Dendrobium flexile, Ridl. P. AOR, Feilding. Rare, known also from Singapore. Endemic.

Dendrobium hercoglossum, Rchb.fil. P. TIOMAN, Nanson; Sungai Tawar at sealevel, Burkill 1010; Gunong Rokam c. 2700 ft., Henderson 18392. Not very common in the Peninsula in forest, usually in the lowlands. China.

Dendrobium leonis, Rchb.fil. P. TINGGI, fide Burkill; P. TIOMAN, Telok Paya, Henderson 18909. Common in the Peninsula in forest. Borneo, Indo-China.

Dendrobium sinuatum, Lindl. P. TIOMAN, Gunong Kajang c. 2000 ft., Henderson 18918. Common in the Peninsula at sealevel and in montane forest. Borneo.

Eria nutans, Lindl. P. TIOMAN, Gunong Rokam c.2700 ft., Henderson 18390. Not uncommon in the Peninsula from sealevel up to 6000 ft. Lingga.

Eria teretifolia, Griff. P. TIOMAN, Gunong Kajang 3383 ft., Henderson 18258. In the Peninsula usually in montane forest, occasionally in mangrove. Borneo.

Trichotosia biflora, Griff. P.AOR, Feilding.
Usually in montane forest. Endemic.

Tylostylis rigida, Bl. P.TIOMAN, Ayer Surin c.900 ft.,
Henderson 18283. Common in the Peninsula on trees from
sealevel to 5000 ft. Java, Borneo.

Calanthe veratrifolia, R.Br. P.TIOMAN, Gunong
Rokam c.2700 ft., Henderson 18782. Common in the Peninsula
in forest. Indo-Australia.

Coelogyne Rochusseni, De Vriese P.AOR and P.DAYANG,
Feilding. Common in the Peninsula at low altitudes.
W.Malaysia.

Coelogyne tiomanensis, Henderson, sp.nov.

Pseudobulbus ovoideus, sulcatus, monophyllus, 3-4 cms.
longus. Folium lanceolatum, acutum, 15-18 cms. longum.
Petiolus 4-5 cms. longus. Racemus 6-8 cms. longus, biflorus.
Bracteae lanceolatae, acutae, 1.5 cms. longae, deciduae.
Sepalum dorsale oblongo-lanceolatum, acutum, carinatum,
4cms. longum. Sepala lateralia 3.5 cms. longa. Petala anguste
linearia oblonga, circa 5 mms. longa. Labellum trilobatum,
lobi laterales oblongo-semicordati, erecti, antice rotundati;
lobus medius triangulo-ovatus, mucronatus, apice margineque
reflexus. Carinae duae. Gynostemium lobis lateralibus
labelli aequilongum, cucullatum.

Pseudobulbs ovoid, strongly 4-ridged, 3-4 cms. long,
leaf one. Raceme from side of pseudobulb in axil of leaf,
6-8 cms. long. Flowers two. Leaves lanceolate acute, 15-18
cms. long, petiole 4-5 cms. long. Bracts lanceolate acute,
caducous, 1.5 cms. long.

Upper sepal oblong lanceolate acute, keeled, 4 cms. long.
Lateral sepals narrower, slightly falcate, 3.5 cms. long.
Petals narrow linear oblong, 4 cms. long or nearly. Side-
lobes of lip large erect oblong, semicordate, rounded, blunt;
midlobe triangular ovate, notched, mucronate, edges and tip
recurved, 1.6 cms. long and broad. Keels two, strongly

marked, undulate, extending half-way down midlobe and ending abruptly. Column as long as sidelobes of lip, the hood large, ovate blunt.

P.TIOMAN, summit of Gunong Kajang, 3383 ft; summit of Gunong Rokam c.3000 ft., Henderson 18263^(type), 18397. Live specimens brought to Singapore and flowered in the Botanic Gardens. The sepals are of a very pale flesh colour with yellow mid-rib; the petals greenish or pale flesh colour; the side lobes of the lip white veined with brown; midlobe of the lip dark brown in the centre, the keels also dark brown, shading to light brown at the edges; the column greenish with two faint brown streaks below; the hood reddish brown.

Eulophia graminea, Lindl. P.TIOMAN, Telok Paya, Henderson 18289. Common in the Peninsula in open places. India, Siam, Rhio.

Eulophia squalida, Lindl. P.TIOMAN, Joara Bay, Burkill 988; Ayer Batang, Henderson 18454. Common in the Peninsula in open places. W.Malaysia to the Philippines.

Cymbidium Finlaysonianum, Lindl. P.AOR; P.TINGGI, fide Burkill; P.TIOMAN, Joara Bay, Burkill 980; Pulau Tulai, Henderson 18507, and common everywhere on rocks and trees near the sea, but rarely in flower in May. Common in the Peninsula in the lowlands. Borneo, Philippines.

Bromheadia palustris, Lindl. P.TIOMAN, Gunong Kajang c.3000 ft., Henderson 18931. Common in the Peninsula in open places. Indo-Malaya.

Corymbis laxiflora, Hook.fil. P.TINGGI, Burkill s.n. P.TIOMAN, common path across island, Burkill s.n. Common in the Peninsula in forest. Indo-Australia, Africa.

Podochilus microphyllus, Lindl. P.TIOMAN, Gunong Rokam c.2700 ft., Henderson 18775. Common in the Peninsula in forest. Tenasserim, Borneo, Cambodia.

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Appendicula pendula, Bl. P.TIOMAN, Gunong Kajang,
c.2800 ft., Henderson 18916. Not common in Perak and the
north of the Peninsula. Borneo to New Guinea.

Kingiella decumbens, Rolfe P.TIOMAN, Nanson.
Not common in the Peninsula, but wide spread. India to
Lower Siam.

Rhyncostylis gigantea, Ridl. ?P.AOR, cultivated
in the Botanic Gardens, Singapore. The specimen preserved
in Herb. Singapore bears a note in Mr.Ridley's handwriting
to the effect that the plant was brought in by a native,
probably from Pulau Aor. Rare in the Peninsula, known
also from Singapore. Siam, Cochin-China.

Aerides odoratum, Lour. P.TINGGI, Nanson. Not
uncommon near the sea, especially in the north of the
Peninsula. Indo-Malaya, S.China.

Galeola Hydra, Rchb. P.TIOMAN, Tanah Runto c.1500
ft.; Ayer Surin c.900 ft., Henderson 18880, 18404. Common
in the Peninsula in open places. Indo-Malaya.

Haemaria discolor, Lindl., var. *ordiana*, Williams
P.AOR on rocks, Feilding; Henderson; P.TINGGI, fide Ridley,
but no specimens seen from there; P.TIOMAN, Ridley s.n.;
Sungai Tawar at sealevel, Burkill 1007. Not uncommon in
the Peninsula on bare rocks. Tenasserim, Cochin-China, China.

ZINGIBERACEAE

Globba malaccensis, Ridl. P.TIOMAN, Ayer Besar
c.800 ft., Henderson 18564. Endemic and common in forest.

Globba panicoides, Miq. P.TIOMAN, west of Joara Bay
c.1000 ft., Burkill 1141; Sedagong c.900 ft., Henderson
18597. Common in the Peninsula in forest. Sumatra, Borneo.

Globba perakensis, Ridl. P.TIOMAN, Sungai Tawar
at sealevel, Burkill 1008. In forest north of Selangor.
Endemic.

Globba variabilis, Ridl. P.TIOMAN, west of Joara
Bay c.1000 ft., Burkill 1146; Sedagong c.900 ft., Henderson
18582. Not uncommon in the Peninsula in forest. Lingga,
Borneo.

Gastrochilus lancifolius, Ridl. P.TIOMAN, Tanah
Runto c.1200 ft., Henderson 18380. Not common in forest,
Negri Sembilan and Johore. Endemic.

Gastrochilus plicata, Ridl. P.TIOMAN, Sungai Tawar
at sealevel, Burkill 1009; Gunong Rokam c.2700 ft.,
Henderson 18800. Not common in forest. Endemic.

Gastrochilus sub-biloba, Valeton, Bull.Jard.Bot.Buitenzorg,
Ser.2, No.27(1918), p.87 P.TIOMAN, Joara Bay and on
path across island up to about 1000 ft., Burkill 1002, 1143.
Local and endemic.

Costus globosus, Bl. P.TIOMAN, west of Joara Bay
c.1000 ft., Burkill 1147. Common in the Peninsula in
forest. W.Malaysia.

Costus speciosus, Sm. P.TIOMAN, Ayer Besar c.750 ft.,
Henderson 18755. Common in the Peninsula in open places in
forest. Malaysia.

Zingiber aromaticum, Valeton P.TIOMAN, Joara Bay
at sealevel, Burkill 968; Bukit Bayoh c.700 ft., Henderson
18569. Common in the Peninsula in waste ground and cultivated.
Java.

Anomum lappaceum, Ridl. P.TINGGI, Burkill 1882.
Not common, usually in hill forest. Endemic.

Amomum testaceum, Ridl. P. TIOMAN, Ridley, Joara Bay at sealevel, Burkill 969. Usually in forest near limestone. Endemic.

Amomum ?xanthophlebium, Baker P. TIOMAN, Gunong Kajang c.3000 ft., Henderson 18934.

Elettariopsis pubescens, Ridl. P. TIOMAN, Joara Bay at sealevel, Burkill 967. Common in waste ground and villages. Endemic.

Elettariopsis Curtisii, Baker P. TIOMAN, Tanah Runto c.1200 ft., Henderson 18381. Rare in forest, Penang Hill and Bukit Raja (Selangor). Endemic.

Alpinia Galanga, Sw. P. TINGGI, Burkill 861. Commonly cultivated. India to the Philippines and Moluccas.

Alpinia melanocarpa, Ridl. P. TIOMAN, south of Joara Bay, Burkill 1131. Not very common near the sea. Endemic.

Alpinia mutica, Roxb. P. AOR, Feilding; in the village, Henderson 18228; P. DAYANG, Feilding. Not common in the Peninsula but often cultivated. W. Malaysia.

MARANTACEAE

Donax parviflora, Ridl. P. TIOMAN, Durian Sabak c.300 ft., Henderson 18824. Not common in forest. Endemic.

MUSACEAE

Musa malaccensis, Ridl. P. TIOMAN, path across island, Burkill s.n.; Ayer Surin c.900 ft., Henderson 18947. Common in forest. Endemic.

Musa sapientium, Linn. P. TIOMAN, Joara Bay, cultivated, fide Burkill. The Banana, widely cultivated in the tropics.

AMARYLLIDACEAE

Curculigo latifolia, Dryand P.AOR, c.600 ft.,
Henderson 18359. P.TIOMAN, Ayer Besar c.750 ft., in forest,
Henderson 18764. Common in the Peninsula in forest.
Indo-Malaya.

Crinum asiaticum, Linn. P.TINGGI, Burkill s.n.
Not uncommon in the Peninsula on sandy seashores. India to
Polynesia.

Eurycles sylvestris, Salisb. P.TINGGI, Burkill s.n.
P.TIOMAN, Ayer Batang in sand under coconut palms, Henderson
18452. Doubtfully wild here. W.Malaysia to Australia.

TACCACEAE

Tacca palmata, Bl. P.AOR, Feilding; P.TINGGI,
Burkill 901; P.TIOMAN, Telok Paya, Henderson 18290. Rare
on the east coast of the Peninsula. W.Malaysia to the
Philippines.

Tacca pinnatifida, Forst. P.TIOMAN, south of
Joara Bay at sealevel, Burkill s.n. Not common in the Penin-
sula near the sea. Tropics of the Old World.

DIOSCOREACEAE

Dioscorea bulbifera, Linn. P.TINGGI, Burkill 890;
P.TIOMAN, Joara Bay on the sandflat, Burkill s.n.; Durian
Sabak c.300 ft., in secondary growth, Henderson 18831.
Common in the Peninsula in waste places. India to Polynesia.

Dioscorea hispida, Dennst., var. *reticulata*, Hook.
P.TIOMAN, Durian Sabak c.300 ft., in secondary growth,
Henderson 18827. Common in open places, villages, etc.
Indo-Australia.

Dioscorea laurifolia, Wall. P.TIOMAN, Joara Bay,
Sungai Tawar, Burkill 989, 1012.
Endemic and common.

Dioscorea piscatorum, Prain and Burkill P.TIOMAN,
Joara Bay at sealevel, Burkill 993; Bukit Sukak c.300 ft.;
Sedagong c.1000 ft., Henderson 18555, 18899. Not common
in the Peninsula in forest, but widespread. Sumatra.

Dioscorea pyrifolia, Kunth. P.TIOMAN,
Joara Bay at sealevel, Burkill s.n.
Common in the Peninsula. Cambodia, W.Malaysia.

ROXBURGHACEAE

Stemona tuberosa, Lour. P.TINGGI, Burkill 858;
P.TIOMAN, south of Joara Bay, Burkill s.n.; Tanjong Saik,
Henderson 18488. Common in the north of the Peninsula. Siam,
Cochin-China.

LILIACEAE

Dianella ensifolia, Redoute P.TINGGI, Pulau
Nangel, Burkill s.n. Common in the Peninsula near the sea
and in forest. Indo-Australia, Mascarene Islands.

Dracaena Porteri, Baker P.TIOMAN, Tanjong Layer,
Henderson 18479. Common in the Peninsula in the lowlands.
Siam.

Dracaena umbratica, Ridl. P.TIOMAN, path across
island, Burkill s.n. Common in lowland forest. Endemic.

Smilax calophylla, Wall. P.TIOMAN, Gunung Rokam
c.2700 ft., Henderson 18815. Common in the Peninsula in
forest. Sumatra.

COMMELINACEAE

Pollia thyrsoflora, Endl. P.TIOMAN, Joara Bay
on the sandflat, Burkill s.n.; Tanah Runto c.1500 ft.,
Henderson 18879, 18885. Common in the Peninsula in forest.
Malaysia.

Aneilema nudiflorum, Br. P.TIOMAN, Lubok Lanun
c.800 ft., Henderson 18858. Common in the Peninsula in
dry places and waste ground. S.E.Asia.

Aneilema sinicum, Lindl. P.TINGGI, Feilding;
P.TIOMAN, Joara Bay on the sandflat, Burkill s.n. Not very
common in the Peninsula in sandy places. Africa, Indo-Malaya,
China.

Commelina attenuata, Vahl. P.TIOMAN, Joara Bay
on the sandflat, Burkill s.n. Not common on seashores.
Ceylon.

Forrestia gracilis, Ridl. P.TIOMAN, Sungai Tawar
at sealevel, Burkill s.n.; Tanah Runto c.1500 ft.,
Henderson 18873. Common in lowland forest. Endemic.

Forrestia marginata, Hassk. P.TIOMAN, Ridley; Ayer
Surin c.900 ft., Henderson 18443. Common in the Peninsula
in rocky places. W.Malaysia.

FLAGELLARIACEAE

Flagellaria indica, Linn. P.TINGGI, near the village,
fide Burkill. Common in the Peninsula near the sea.
Trop.Africa and Asia to Polynesia.

Susum malayanum, Hook. P.TIOMAN, Gunong Rokam
c.2700 ft., Henderson 18814. Common in the Peninsula in
forest. Java and Borneo.

PALMAE

Areca catechu, Linn. P.TIOMAN, Joara Bay, cultivated,
fide Burkill. Extensively cultivated in the Peninsula as it
is throughout Indo-Malaya to Polynesia.

Nenga macrocarpa, Scort. P.TIOMAN, Gunong Rokam
c.2700 ft., Henderson 18389. Not uncommon in hill forest.
Endemic.

Oncosperma horrida, Scheff. P.TIOMAN, common up to 2000 ft. Common in the Peninsula in dry forest. Borneo.

Orania macroclados, Mart. P.AOR, common up to 1000 ft; P.TINGGI, common, Burkill 863; P.TIOMAN, rather rare, fide Burkill. Common in the Peninsula in forest. Malaya.

Arenga saccharifera. Labill. P.AOR, common; P.TIOMAN, common up to 2000 ft. Common in the Peninsula, often cultivated Indo-Malaya.

Arenga Westerhouti, Griff. P.TINGGI, common, fide Burkill. Not seen on P.Aor or P.Tioman. Common in forest. Endemic.

Caryotis mitis, Lour. P.TINGGI, Burkill 864; P.TIOMAN, Durian Sabak c.300 ft., in secondary growth, Henderson 18840. Common in open places and villages. Burma, Malaysia to Indo-China and the Philippines.

Licuala modesta, Becc. P.TIOMAN, Gunong Kajang 3300 ft., Henderson 18611. Hitherto known only from the Taiping Hills and Kuala Kangsar. Endemic.

Licuala spinosa, Wurmb. P.TINGGI, Feilding; P.TIOMAN, hill north of Joara Bay, Burkill s.n. Common in the Peninsula in open places. W.Malaysia to the Philippines and Cochin-China.

Metroxylon Sagus, Rothb. P.TINGGI, fide Burkill. Commonly cultivated in the Peninsula and half wild. Widely distributed throughout Malaya.

Daemonorops calicarpus, Mart. P.TIOMAN, Joara Bay, Burkill 983, 1016; Gunong Kajang at 3000 ft., Henderson 18938. Common in hill forest. Endemic.

- Daemonorops didymophyllus*, Becc. P.TINGGI, Burkill
 928. Common in the Peninsula in forest. Borneo.
- Daemonorops Lewisianus*, Mart. P.AOR, c.600 ft.,
 common here in forest, Henderson 18358; P.TIOMAN, Sedagong
 c.1000 ft., Henderson 18891. Common in Penang, known
 also from Malacca and Johore. Endemic.
- Daemonorops longipes*, Mart. P.TIOMAN, west of Joara
 Bay c.1000 ft., Burkill 1134; Durian Sabak c.300 ft., in
 secondary growth, Henderson 18833. Common in the Peninsula in
 forest. Sumatra.
- Daemonorops monticolus*, Mart. P.TINGGI, Burkill
 866. Not common in the Peninsula in forest. Borneo.
- Daemonorops verticillaris*, Mart. P.TIOMAN, Joara
 Bay at sealevel, Burkill 990. Common in the Peninsula in
 forest. Borneo.
- Ceratolobus laevigatus*, Becc. P.TIOMAN, Tanjong
 Duatah at sealevel, Burkill 1114. Common in forest,
 often montane. Endemic.
- Calamus Burkillianus*, Becc. P.TIOMAN, Sungai
 Tawar, Burkill s.n. Endemic and local.
- Calamus Diepenhorstii*, Miq. P.TIOMAN, Tanjong
 Duatah at sealevel, Burkill 1107; Tanah Runto c.1000 ft.;
 Gunong Rokam c.2700 ft., Henderson 18382, 18783. Common
 in the Peninsula in forest. Sumatra, ?Borneo, Philippines.
- Calamus javensis*, Bl. P.TIOMAN, Tanjong Duatah at
 sealevel, Burkill 1113. Common in the Peninsula in forest.
 Java, Borneo.
- Calamus ?Winklerianus*, Becc. P.TIOMAN, Ayer Batang
 at sealevel, on jungle edge, Henderson 18465.

Plectocomia Griffithii, Becc. P.TINGGI, Burkill
865. Common in forest. Endemic.

Nipa fruticans, Wurmb. P.AOR, P.TINGGI, fide
Burkill, P.TIOMAN. Common in the Peninsula near the sea
in tidal rivers. Indo-Australia.

PANDANACEAE

Pandanus cf. tetradon, Ridl. P.TIOMAN, Pulau Tulai
at sealevel on rocks, Henderson 18520.

Pandanus fascicularis, Lam. P.TINGGI, Burkill
885; P.TIOMAN, Joara Bay, fide Burkill; Telok Paya, Henderson
18444. Common in the Peninsula on seacoasts. Trop. Asia.

Pandanus Houlletii, Carriere P.TINGGI, Burkill
957. Common in forest in the south of the Peninsula.

ARACEAE

Arisaema Roxburghii, Kunth. P.TIOMAN, Tanjong Saik
at sealevel; Sedagong c.1000 ft., Henderson 18495, 18900.
Not uncommon in forest in Selangor and the north of the
Peninsula, often montane. Java.

Amorphophallus Prainii, Hook.fil. P.TIOMAN, Tanjong
Layer at sealevel; Ayer Besar c.750 ft., Henderson 18475,
18768. Common in the Peninsular forest. Sumatra.

Alocasia denudata, Engl. P.DAYANG, Feilding;
P.TIOMAN, Sedagong c.1000ft., in forest, Henderson 18890.
Common in the Peninsula in forest. Lingga, Borneo.

Alocasia Lowii, Hook.fil. P.AOR, Henderson 18237;
P.TIOMAN, south of Joara Bay, Burkill s.n.; Pulau Tulai;
Telok Saing, Henderson 18566, 18902. Not uncommon in the
Peninsula, usually on limestone. Java, Borneo.

Aglaonema oblongifolium, Kunth. P.TIOMAN, Bukit
Bayoh c.700 ft., Henderson 18571. Common in the Peninsula
in forest. Lingga, Borneo.

Aglaonema Schottianum, Miq. P.AOR, c.800 ft.,
Henderson 18221; P.TINGGI, Burkill 912; P.TIOMAN, Pulau
Tulai, Henderson 18500 (an unusually large form). Common
in the Peninsula in forest. Burma, Java, Borneo.

Homalomena purpurascens, Schott. P.AOR, c.1000 ft.,
common, Henderson 18374; P.TINGGI, Burkill 918. Common
in forest especially in the south of the Peninsula.
W.Malaysia.

Homalomena sagittaeifolia, Jungh. P.TINGGI, Burkill
908, 931; P.TIOMAN, Bukit Bayoh c.700 ft., Henderson 18573.
Common in the Peninsula in forest. Borneo.

Schismatoglottis brevicuspis, Hook.fil. P.TIOMAN,
Sungai Tawar at sealevel; path across island c.1000 ft.,
Burkill 1042, s.n. In forest from Penang to Pahang and
Mt.Ophir. Endemic.

Schismatoglottis calyptrata, Zoll. and Mor. P.TINGGI,
Burkill 883; P.TIOMAN, Ridley (var. picta, Hallier); Lubok
Lanun c.800 ft., Henderson 18855. Common in the Peninsula
in forest. Borneo to New Guinea.

Schismatoglottis Wallichii, Hook.fil. P.TINGGI,
Burkill 917, 932. Common in forest. ?Endemic.

Raphidophora Korthalsii, Schott. P.TINGGI,
Feilding. Not uncommon in the Peninsula in forest. Java,
Borneo.

Raphidophora minor, Hook.fil. P.TIOMAN, south of
Joara Bay at sealevel, Burkill s.n. Not uncommon in the
Peninsula on trees near the sea. Borneo.

Epipremnum giganteum, Schott. P.TIOMAN, Joara Bay,
Burkill s.n.; Tanjong Layer, Henderson 18484. Common in
the Peninsula on rocks and trees. Siam, Cochin-China.

CYPERACEAE

- Kyllinga monocephala*, Rottb. P.TINGGI, in the village, Burkill s.n. Common in the Peninsula in waste ground. Pantropic.
- Cyperus diffusus*, Vahl. P.TIOMAN, Joara Bay on the sandflat, Burkill s.n.; Ayer Surin c.900 ft., Henderson 18403. Common in the Peninsula in sandy places. Pantropic.
- Pycnus polystachyus*, Beauv. P.TIOMAN, south of Joara Bay on rocks, Burkill s.n. Common in the Peninsula in waste ground. Pantropic.
- Cyperus stoloniferus*, Retz. P.TIOMAN, Joara Bay in the village, Burkill s.n. Common in the Peninsula in sea sand and tidal mud. Indo-Australia, China.
- Mariscus albescens*, Gaud. P.TIOMAN, Joara Bay on the sandflat, Burkill s.n.; Tanjong Saik, Henderson 18492. Common in the Peninsula on seashores. Trop.Africa to Polynesia
- Mariscus cyperinus*, Vahl. P.TIOMAN, Telok Paya; Ayer Batang at sealevel, Henderson 18432, 18460. Common in the Peninsula in waste ground. Trop.Asia to Polynesia.
- Mariscus Dregeanus*, Kunth. P.TIOMAN, Telok Paya, Henderson 18433. Common in the Peninsula on seashores. Trop.Africa and Asia.
- Fimbristylis diphylla*, Vahl. P.TIOMAN, south of Joara Bay, Burkill s.n. Common in the Peninsula in waste ground. Pantropic.
- Fimbristylis spathacea*, Roth. P.TINGGI, Burkill 919. Common in the Peninsula near the sea. Pantropic.
- Gahnia tristis*, Nees. P.TIOMAN, Gunong Kajang c.3300 ft., Henderson 18260. Common in the Peninsula near the sea and also montane. Borneo, S.China.

Hypolytrum latifolium, Rich. P.TINGGI, Burkill 916;
P.TIOMAN, Gunong Rokam, c.2700 ft., Henderson 18791. Common
in the Peninsula in forest. India to Polynesia.

Scleria hebecarpa, Nees P.TIOMAN, Telok Paya,
Henderson 18300. Common in the Peninsula in open places.
Indo-Australia, Polynesia.

Scleria lithosperma, Sw. P.TIOMAN, path across
island c.1000 ft., Burkill s.n.; Ayer Batang at sealevel,
Henderson 18459. Common in the Peninsula in dry places.
Trop.Asia and America.

Scleria sumatrensis, Retz. P.TINGGI, Burkill 921.
Common in the Peninsula in open places. Indo-Malaya to the
Philippines.

Mapania humilis, Naves and Villar P.TIOMAN, path
across island c.1000 ft., Burkill s.n. Common in the
Peninsula in forest. W.Malaysia to the Philippines.

Remirea maritima, Aubl. P.TIOMAN, Joara Bay at
sealevel, Burkill 966. Common in the Peninsula on sandy
seashores. Pantropic.

Carex cryptostachys, Brngn. P.TIOMAN, Tanah Runto
c.1500 ft., Henderson 18877. Common in the Peninsula in forest.
W.Malaysia, China.

Carex cruciata, Wahl. P.TIOMAN, Gunong Rokam
c.2700 ft., Henderson 18816. Montane on the Taiping Hills,
the Main Range and Gunong Tahan. India to Madagascar, China
and the Philippines.

Carex indica, Linn. P.TIOMAN, Ayer Surin c.900 ft.,
Henderson 18402. In the Peninsula in dry places usually in
the north. W.Malaysia to Australia.

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Carex leucostachys, Ridl., Kew Bulletin, 2, ~~5~~ (1928), p. 77
P. TIOMAN, Gunong Kajang c. 2500 ft., Henderson 18912. Endemic
and local.

GRAMINEAE

(Lalang)

Imperata arundinacea, Cyrillo L P. TINGGI, fide Burkill;
P. TIOMAN. Very common in the Peninsula in open places.
Pantropic.

Imperata exaltata, Brongn. ~~(Lalang)~~ P. TIOMAN, Ayer Surin
c. 900 ft., Henderson 18401. In the Peninsula in open places
usually near the sea. Trop. America, Malaysia. ~~(Lalang)~~

Saccharum officinarum, Linn. ~~(Sugarcane)~~ P. TIOMAN, cultivated,
fide Burkill. Cultivated in the Peninsula as it is through-
out the tropics. Sugarcane.

Ischaemum muticum, Linn. P. TINGGI, Burkill; P. ~~(Lalang)~~
TIOMAN, Telok Paya and other localities, common under coconuts,
Henderson 18298. Common in the Peninsula in open places and
near the sea. Indo-Australia.

Coelorachis glandulosa, Stapf P. AOR, Henderson
18241; P. TIOMAN, Joara Bay on the sandflat, Burkill s.n.;
Telok Paya; Durian Sabak c. 300 ft., in secondary growth,
Henderson 18440, 18830. Common in the Peninsula in open
places. Indo-Australia.

Chrysopogon aciculatus, Trin. P. TINGGI, in the village
but rare, fide Burkill. A common grass in the Peninsula.
Trop. Asia to Mauritius, Australia and Polynesia.

Digitaria longiflora, Pers. P. TINGGI, Burkill s.n.
Common in the Peninsula in cultivated ground. Trop. Africa
and Asia.

Digitaria marginata, Link., var. commutatum, Hook. fil.
P. TIOMAN, Gunong Kajang c. 3300 ft., Henderson 18265. Common
in the Peninsula in waste ground. Pantropic.

Paspalum longifolium, Roxb. P.TIOMAN, Telok Paya,
Henderson 18297. Common in the Peninsula in open places.
Indo-Malaya.

Paspalum conjugatum, Berg. P.TINGGI, Burkill s.n.
Common in the Peninsula in cultivated ground and waste places.
Pantropic, of S.American origin.

Oplismenus compositus, Beauv. P.AOR, Henderson
18229; P.TINGGI, Feilding; P.TIOMAN, Ayer Batang at sealevel;
Ayer Besar c.800 ft, in forest, Henderson 18461, 18770.
Common in the Peninsula in dry places. Pantropic.

Panicum auritum, Presl. P.TIOMAN, Joara Bay on
the sandflat, Burkill s.n.; ^{Telok Paya, Henderson 18441} Common in the Peninsula in wet
places. Indo-Malaya, China.

Panicum repens, Linn. P.TIOMAN, south of Joara Bay,
Burkill s.n.; Telok Paya, Henderson 18442. Common in the
Peninsula on seacoasts. Pantropic.

Panicum sarmentosum, Roxb. P.TIOMAN, Telok Paya,
Henderson 18294, ~~18441~~. Common in the Peninsula on forest
edges. Indo-Malaya, S.China.

Acroceras sparsum, Stapf. P.TIOMAN, Tanah Runto
c.1300 ft., Henderson 18378. Common in the Peninsula in open
places. Indo-Malaya.

Cyrtococcum accrescens, Stapf. P.TINGGI, Burkill
913. Very common in the Peninsula in shady places. India
to Polynesia.

Cyrtococcum oxyphyllum, Stapf P.AOR, Feilding;
at sealevel, Henderson 18225; P.TIOMAN, Tanjong Duatah,
Burkill 1123; Telok Paya; Ayer Besar c.800 ft., Henderson
18299, 18769. Common in the Peninsula in waste ground and
shady places. Indo-Australia, Mascarene Islands.

Setaria plicata, Cooke P.AOR, Feilding. P.TIOMAN,
Durian Sabak c.300 ft., in secondary growth, Henderson
18834. Not very common in the Peninsula in rocky places.
Indo-Malaya, China.

Zoysia pungens, Willd. P.TINGGI, Burkill s.n.
Common in the Peninsula in sandy places. Tropics of the
Old World.

Sporolobus diander, Beauv. P.TINGGI, Burkill 925.
Common in the Peninsula in open dry places. Trop. Asia and
Australia.

Spinifex squarrosus, Linn. Seen on P.DAYANG, P.TIOMAN,
Telok Behala, Henderson 18528. Common on sandy seashores
on the east of the Peninsula. India to China.

Eleusine indica, Gaertn. P.TINGGI, fide Burkill;
P.TIOMAN, Telok Paya, Henderson 18296. Common in the Peninsula
in waste ground. Pantropic.

Lophatherum gracile, Brngn. P.TIOMAN, Gunong
Rokam c.2700 ft., Henderson 18784. Common in the Peninsula
in forest. S.E.Asia.

Centotheca lappacea, Desv. P.AOR, Feilding,
P.TINGGI, Burkill 914. Common in the Peninsulain forest.
Tropics of the Old World.

Lepturus repens, R.Br. P.TINGGI, Feilding. On sandy
seacoasts, not common in the Peninsula. Indo-Australia.

Leptaspis urceolata, Br. P.TIOMAN, Sungai Tawar
at sealevel, Burkill s.n.; Bukit Sukak c.250 ft., Henderson
18556. Common in the Peninsula in forest. Indo-Malaya to
New Guinea.

Dendrocalamus pendulus, Ridl. P.TIOMAN, Gunong Kajang
c.2800 ft., Henderson 18914. Common in forest. Endemic.

Schizostachyum tenue, Gamble P.TIOMAN, Ayer Batang
at sealevel, Henderson 18486. Not uncommon near streams.
?Endemic.

GNETACEAE

Gnetum Gnemon, Linn. P.TINGGI, Burkill 964; P.TIOMAN,
Pulau Tulai, Henderson 18504. Occasionally cultivated in
the Peninsula, widely Indo-Malayan.

Gnetum Kingianum, Gamble P.TIOMAN, Joara Bay,
Burkill 991, 1050; Tanjong Saik, Henderson 18494. Common
~~in the Peninsula~~ in forest. Endemic.

Gnetum macrostachyum, Hook.fil. P.AOR, Henderson
18250. Not uncommon in the Peninsula in lowland forest.
Lower Siam.

CONIFERAE

Podocarpus imbricatus, Bl. P.TIOMAN, Gunong Kajang
3200-3383 ft., Henderson 18608. Common in the Peninsula in
hill forest. Burma to the Philippines and S.China.

Podocarpus neriifolius, Don P.TIOMAN, Gunong Kajang
3200-3383 ft., Henderson 18606. Not uncommon in the Peninsula
in hill forest. India to S.China and New Guinea.

Podocarpus polystachyus, R.Br. P.TINGGI, Burkill
853; P.TIOMAN, Telok Paya, Henderson 18420. Common in the
Peninsula near the sea. Sumatra, Borneo, Philippines.

CYCADACEAE

Cycas Rumphii, Miq. P.DAYANG, Burkill,
P.TIOMAN, south of Joara Bay, Burkill s.n. Common in the
Peninsula on seacoasts, also in forest. Malaysia to Australia.