

An Enumeration Of Micronesian Plants

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バージョン :
権利関係 :

Mucuna ADANSON

Mucuna gigantea (WILLD.) DC. Prodr. **2** (1825) 405; MERR. l. c. 92; KANEHIRA l. c. 285.

Dolichos gigantea WILLD. Sp. Pl. **3** (1803) 1041.

Palau, Babeldaob 395; Ponape 1504; Palau Marikyoku 2035; Rota 1732; Pagan 2207. In forests at low altitudes. *Distrib.* India, Philippines to Polynesia.

Mucuna pacifica HOSOKAWA in Trans. Nat. Hist. Soc. Formos. **25** (1935) 123.

Saipan HOSOKAWA 6725; 935 (KANEHIRA). *Distrib.* Endemic.

Mucuna ponapeana HOSOKAWA l. c. 122.

Ponape HOSOKAWA 6036. *Distrib.* Endemic.

Mucuna pruriens (LINN.) DC. Prodr. **2** (1825) 405; MERR. l. c. 92.

Dolichos pruriens LINN. Stickm. Herb. Amb. (1754) 23.

Guam. *Distrib.* Otherwise known only from the Philippines and the Moluccas.

Ormocarpum BEAUVOIS

Ormocarpum cochinchinense (LOUR.) MERR. in Philip. Journ. Sci. **5** (1910) Bot. 76.

Diphaca cochinchinensis LOUR. Fl. Cochinch. (1790) 454.

Ormocarpum senoides DC. Prodr. **2** (1825) 315; VOLKENS l. c. 464.

Ormocarpum glabrum (non T. et B.) KANEHIRA l. c. 291 (non *Euphorbiaceae*).

Yap 1258. Probably introduced, planted as a hedge plant. *Distrib.* Tropical Africa. India to southern China through Malaya to tropical Australia.

Ormosia JACKSON

Ormosia calavensis AZAOLA ex BLANCO, Fl. Filip. ed. 2 (1845) 230; KANEHIRA l. c. 285, Fl. Micr. (1933) 144, f. 49.

Palau, a coral island 220, Aimiriik 259, 1956, Marikyoku 407, Garamiscan 2104. In forests near the sea. *Distrib.* Philippines to the Moluccas. *Nat. name*: "adapsung-erket" (Palau).

Pachyrrhizus RICHARD

Pachyrrhizus erosus (LINN.) URB. Symb. Antill. **4** (1905) 311; MERR. I. c. 94.

Dolichos erosus LINN. Sp. Pl. (1753) 726.

Guam. *Distrib.* A native of tropical America, now pantropic. *Jap. name*: Kuzu-imo.

Parkia R. BROWN

Parkia korom KANEHIRA in Bot. Mag. Tokyo **45** (1981), 276, Fl. Micr. (1933) 145, f. 50.

Ponape, Kolonia 673!, 1670. In primary forests near Kolonia. *Distrib.* Known only from Ponape. *Nat. name*: "korom" (Ponape).

Peltophorum VOGEL

Peltophorum inerme (ROXB.) NAVES in BLANCO Fl. Filip. ed. 3 (1877-83) t. 335; MERR. I. c. 89.

Caesalpinia inermis ROXB. Fl. Ind. **2** (1832) 367.

Guam; Kusai 1422. *Distrib.* Widely distributed in the Indo-Malayan region, frequently cultivated for ornamental purposes.

Phaseolus TOURNEFORT

Phaseolus adenanthus G. W. F. MEY. Prim. Fl. Esseq. (1818) 239; MERR. I. c. 93.

Guam. *Distrib.* Pantropic.

Phaseolus lunatus LINN. Sp. Pl. (1753) 724; MERR. I. c. 94.

Guam. *Distrib.* A native of tropical America, now cultivated in all warm countries. *Jap. name*: Aui-mame.

Phaseolus radiatus LINN. Sp. Pl. (1753) 725; MERR. I. c. 94.

Guam. *Distrib.* Cultivated in all tropical countries. *Jap. name*: Azuki.

Pithecellobium MARTIUS

Pithecellobium dulce (ROXB.) BENTH. in HOOK. Journ. Bot. **3** (1844) 199; VOLKENS I. c. 463; MERR. I. c. 85; KANEHIRA I. c. 286.

Mimosa dulcis ROXB. Pl. Coromandel **1** (1795) 67, t. 99.

Saipan 956. Planted in avenues, about houses, etc. *Distrib.* Introduced from Mexico, now pantropic. *Nat. name*: "kamatiire." *Jap. name*: Kinkizyu.

Pithecellobium palauense KANEHIRA in Bot. Mag. Tokyo **48** (1934) (Oct.) 733 f. 3,

- Pithecolobium palauense* HOSOKAWA in Trans. Nat. Hist. Soc. Formos. **24** (1934) (Dec.) 414.
Palau, Korrer 3353! S. NISIDA. In forests of an uninhabited coral island. *Distrib.* Endemic.

Pongamia VENTENANT

- Pongamia pinnata** (LINN.) MERR. Interpret. Herb. Amb. (1917) 271, Enum. Philip. Fl. Pl. **2** (1923) 298; KANEHIRA l. c. **45** (1931) 286.
Cytisus pinnatus LINN. Sp. Pl. (1753) 298.
Pongamia glabra VENT. Jard. Malam. **1** (1803) 28, t. 28; VOLKENS l. c. 464.
Palau Korrer 359; Yap 1197; Tinian 1048, 2272. In sea-side forests. *Distrib.* Mascarene Islands, tropical Asia, Malaya to Australia. *Nat. name*: "mirak" (Yap).

? **Pongamia** sp.

- Ponape Kolonia 747. In thickets.

Psophocarpus NECKER

- Psophocarpus tetragonolobus** (LINN.) DC. Prodr. **2** (1825) 403; MERR. l. c. 94.
Dolichos tetragonolobus LINN. ex STICKM. Herb. Am. (1754) 23.
Guam. *Distrib.* Widely distributed in the Indo-Malayan region.

Pterocarpus LINNAEUS

- Pterocarpus carolinensis** KANEHIRA in Bot. Mag. Tokyo **49** (1935) 352 f. 29.
Pterocarpus indicus (non WILLD.) VOLKENS l. c. 464; KANEHIRA l. c. 286.
Palau 305! 508! 540, 1228; Yap 1228. In forests near the seashore.
Distrib. Endemic. *Nat. names*: "aras" (Palau), "arau" (Yap).

Pueraria De CANDOLLE

- Pueraria** sp. VOLKENS l. c. 464.
Yap (VOLKENS).

Samanea (BENTHAM) MERRILL

Samanea saman (JACQ.) MERR. in Journ. Washingt. Acad. Sci. **6** (1916) 47.

Mimosa saman JACQ. Fragm. (1800) 15, t. 9.

Enterolobium saman PRAIN ex KING in Journ. As. Soc. Beng. **66** (1897) 252; KANEHIRA l. c. **45** (1931) 284.

Saipan 108. Planted in the park, Saipan. *Distrib.* A native of tropical America, now widely distributed in cultivation. The rain tree. *Jap. name*: Amerika-nemu.

Serianthes BENTHAM

Serianthes grandiflora (WALL.) BENTH. in HOOK. Lond. Journ. Bot. **3** (1844) 225, Trans. LINN. Soc. **30** (1875) 599; VOLKENS l. c. 463; KANEHIRA l. c. **45** (1931) 286, Fl. Micr. (1933) 143, f. 58.

Inga grandiflora WALL. Cat. (1832) 5285, nom. nud.

Palau, Korrer 176, Arumonogui 2091. In beach forests. *Distrib.* Malay Peninsula to the Philippines and New Guinea. A very large tree. *Nat. name*: "ukal" (Palau), "gumol" (Yap).

Serianthes Nelsonii MERR. in Philip. Journ. Sci. **15** (1919) Bot. 542; KANEHIRA Fl. Micr. (1933) 150, f. 52.

The type from Guam. Rota 1794. In primary forests. *Distrib.* Endemic. *Nat. name*: "hayurangy" (Rota).

Sesbania SCOPOLI

Sesbania grandiflora (LINN.) PERS. Syn. **2** (1807) 316; MERR. l. c. 90. *Robinia grandiflora* LINN. Sp. Pl. (1753) 722.

Guam; Ponape, Kolonia, Planted. *Distrib.* Mascarene Islands, tropical Asia, Malaya and Australia.

Sophora LINNAEUS

Sophora tomentosa LINN. Sp. Pl. (1753) 373; MERR. l. c. 89; KANEHIRA l. c. **45** (1931) 286.

Saipan 1011. In thickets near the sea. *Distrib.* A pantropic strand plant. *Jap. name*: Iso-huji.

Strongylodon VOGEL

Strongylodon lucidus (FORST. f.) SEEM. Fl. Vit. (1895) 61; MERR. l. c. 92; DEGENER New Ill. Fl. Hawaiian Isl. 169 c.

Glycine lucida Forst. f. Prodr. (1786) 51.

Kusai 1356, 1393. In forests at medium altitudes. *Distrib.* Ceylon to Polynesia.

Tamarindus LINNAEUS

Tamarindus indica LINN. Sp. Pl. (1753) 34; MERR. I. c. 87.

Ponape, Kolonia 1576. Planted in avenues. *Distrib.* A native of tropical Africa, now cultivated in all tropical countries. The tamarindo.

Tephrosia PERSOON

Tephrosia marina DC. Prodr. 2 (1825) 253; MERR. I. c. 90.

The type from Guam. *Distrib.* Endemic.

Teramnus P. BROWNE

Teramnus labialis (LINN. f.) SPRENG. Syst. 3 (1826) 235; MERR. I. c. 92.

Glycine labialis LINN. f. Suppl. (1774) 325.

Guam. *Distrib.* Pantropic.

Vigna SAVI

Vigna marina (BURM.) MERR. Interpret. Herb. Amb. (1917) 285.

Phaseolus marinus BURM. Index Universalis Herb. Amb. 7 (1755) 17;

Vigna lutea A. GRAY, Bot. WILKES U. S. Explor. Exped. (1854) 452; VOLKENS I. c. 464.

Palau, Angaur 600; Ponape Kolonia 737; Pagan 2204. Along the seashore. *Distrib.* Pantropic.

Vigna sinensis (LINN.) SAVI ex HASSK. Cat. Hort. Bogor. (1844) 279; MERR. I. c. 94.

Dolichos sinensis LINN. Cent. Pl. 2 (1756) 27.

Guam. *Distrib.* Cultivated in all warm countries, a native of tropical Asia.

Zornia J. F. GMELIN

Zornia diphylla (LINN.) PERS. Syn. 2 (1807) 318; MERR. I. c. 90.

Hedysarum diphyllum LINN. Sp. Pl. (1753) 746.

Guam. *Distrib.* Probably a native of tropical America, now pantropic. *Jap. name*: Sunamame.

Oxalidaceae**Averrhoa** LINNAEUS

Averrhoa bilimbi LINN. Sp. Pl. (1753) 428; VOLKENS. l. c. 465.
Yap; Palau, Korror 186. Planted. *Distrib.* Pantropic in cultivation.

Averrhoa carambola LINN. Sp. Pl. (1753) 428; VOLKENS l. c. 465;
MERR. in Philip. Journ. Sci **9** (1914) Bot. 95; KANEHIRA in
Bot. Mag. Tokyo **45** (1931) 287.
Guam; Palau Aimiyon 491; Yap 1241. *Distrib.* Introduced from
tropical America, now pantropic in cultivation.

Oxalis LINNAEUS

Oxalis repens THUNB. Diss. Oxal. (1781) 16; MERR. l. c. 95.
In waste places and open grasslands etc. *Distrib.* Widely distri-
buted in the warmer parts of the Old world. *Jap. name:*
Katabami.

Erythroxylaceae**Erythroxylon** LINNAEUS

Erythroxylon coca LAM. Encycl. **2** (1783) 393.
Ponape 1582. Planted in the Experiment Station, Kolonia. *Distrib.*
A native of Peru. The coca.

Zygophyllaceae**Tribulus** TOURNEFORT

Tribulus cistoides LINN. Sp. Pl. (1753) 387; MERR. l. c. 95.
Guam. *Distrib.* A native of tropical America, now widely distri-
buted in the tropics of both hemispheres.

Rutaceae**Aegle** CORREA

Aegle Marmelos CORREA in Trans. LINN. Soc. **5** (1800) 223.
Ponape Kolonia 1475. Planted in the Experiment Station, Kolonia.
Distrib. Introduced from India.

Citrus LINNAEUS

Citrus Aurantium LINN. Sp. Pl. (1753) 783; MERR. l. c. 97; KANE-
HIRA in Bot. Mag. Tokyo **45** (1931) 287.

Saipan 910. In thickets at medium altitudes. *Distrib.* A native of tropical Asia, cultivated in all tropical and subtropical countries.

Evodia FORSTER

Evodia hortensis FORST. Char. Gen. (1776) 14, t. 7; KANEHIRA in Bot. Mag. Tokyo **45** (1931) 287.

Ponape Kolonia 660; Kusai Moto 1420. A cultivated plant. *Distrib.* Polynesia.

Evodia nitida LAUTERB. in ENGL. Bot. Jahrb. **56** (1921) 510; KANEHIRA l. c. 287, Fl. Micr. (1933) 151, f. 53.

Palau 510, 544, 1957, 2072, 2370. *Distrib.* The type from Palau, endemic.

Evodia palawensis LAUTERB. l. c. 508; KANEHIRA Fl. Micr. 153, f. 54.

The type from Korrör, Palau (LEDERMANN). Palau 1878, 2434, 2439. *Distrib.* Endemic.

Evodia trichantha LAUTERB. l. c. 509; KANEHIRA Fl. Micr. 154, f. 55.

The type from Babeldaob, Palau. Palau 1917, 1965, 2312, 2335. *Distrib.* Endemic.

Melicope FORSTER

Melicope ponapensis LAUTERB. in ENGL. Bot. Jahrb. **56** (1921) 510; KANEHIRA in Bot. Mag. Tokyo **45** (1931) 287, Fl. Micr. 155, f. 56.

Ponape Kolonia 698, Sankakuyama 764, Niinoani-zan 793, Parkier 1509, 1518, Torutom-zan 1562. In thickets and primary forests from low to medium altitudes. *Distrib.* Endemic. *Nat. name:* "pehpe" (Ponape).

Micromelum BLUME

Micromelum minutum SEEM. Fl. Vitiens (1865) 303; LAUTERB. in ENGL. Bot. Jahrb. **56** (1921) 511; KANEHIRA in Bot. Mag. Tokyo **48** (1934) 400.

Palau 2394, 2463. In primary forestes, coral islands. *Distrib.* Fiji, Tonga, Samoa and New Caledonia.

Triphasia LOUREIRO

Triphasia trifolia (BURM. f.) P. WILS. in *Torreyia* **9** (1909) 33;
MERR. l. c. 98.

Limonia trifolia BURM. f. *Fl. Ind.* (1768) 103.

Triphasia aurantiola LOUR. *Fl. Cochinch.* (1790) 152; LAUTERB.
l. c. 512.

Guam, Rota 1806. In thicket, often forming a pure stand. *Distrib.*
A native of tropical Asia, now widely distributed in the Old
World.

Simarubaceae**Brucea** J. F. MILLER

Brucea javanica (LINN.) MERR. in *Journ. Arnold Arb.* **9** (1928) 3.

Rhus javanica LINN. *Sp. Pl.* (1753) 265.

Brucea sumatrana ROXB. *Hort. Beng.* (1814) 12, *Fl. Ind.* **1** (1820) 469.

Ponape, Kolonia 1684. Planted in the Experiment Station, Kolonia.

Distrib. India through Malaya to Australia.

Samadera GAERTNER

Samadera indica GAERTN. *Fruct.* **2** (1791) 352, t. 156; LAUTERB. in
ENGL. Bot. Jahrb. **56** (1921) 511; KANEHIRA in *Bot. Mag. Tokyo*
45 (1931) 288, *Fl. Micr.* (1933) 155, f. 57.

Palau, Garamiscan 558. In mangrove forests. *Distrib.* India to
Malaya. *Nat. name*: "eskeam" (Palau).

Soulamea LAMARCK

Soulamea amara LAM. *Encycl.* **1** (1783) 449; LAUTERB. l. c. 344,
f. 1; KANEHIRA in *Bot. Mag. Tokyo* **45** (1931) 288, *Fl. Micr.*
(1933) 158, f. 58.

Palau, a coral island 219, 1903, 2447, 2453; Truk, a coral island
near Tol, 1291. *Distrib.* Polynesia to New Guinea. *Nat. name*:
"poyal" (Truk).

Suriana PLUMIER

Suriana maritima LINN. *Sp. Pl.* (1753) 284; LAUTERB. in *ENGL. Bot.*
Jahrb. **56** (1921) 513.

Jaluit and Saipan. *Distrib.* A. tropical strand plant.

Burseraceae**Canarium LINNAEUS**

Canarium commune LINN. Mant. **1** (1767) 127; LAUTERB. in ENGL. Bot. Jahrb. **56** (1921) 515; KANEHIRA in Bot. Mag. Tokyo **45** (1931) 288, Fl. Micr. (1933) 156.

Ponape 848. Probably planted. *Distrib.* Malay Archipelago.

Canarium ovatum ENGL. in DC. Monogr. Phan. **4** (1883) 110; KANEHIRA l. c. 288.

Ponape Kolonia 739. Planted near a native house. *Distrib.* Philippines. This produces the pili-nut of the Philippines.

Canarium palauense LAUTERB. l. c. 515; KANEHIRA l. c. 288, Fl. Micr. 160, f. 59.

Palau Garamiscan 549, Aimiriik 2317. In primary forests at low altitudes. *Distrib.* Endemic.

Meliaceae**Aglaiia LOUREIRO**

Aglaiia mariannensis MERR. in Philip. Journ. Sci. **9** (1914) Bot. 99; KANEHIRA in Bot. Mag. Tokyo **45** (1931) 288, Fl. Micr. (1933) 161, f. 60.

Saipan 16, 41, 920, 977, 2238, Rota 1817; Saligan 2156, 2163. In thickets and forests from low to medium altitudes.

Distrib. The type from Guam, endemic. *Nat. name*: "maffinio" (Saipan).

Aglaiia palauensis KANEHIRA Fl. Micr. (1933) 162, f. 61. Bot. Mag. Tokyo **47** (1933) 671.

Aglaiia mariannensis (non MERR.) l. c. **45** (1931) 288, pro parte.

Palau Aimiriik 301, 2126!, 1942, 2300. In thickets and forests at low altitudes. *Distrib.* Endemic.

Aglaiia ponapensis KANEHIRA Fl. Micr. (1933) 163, f. 61, Bot. Mag. Tokyo **47** (1933) 672.

Aglaiia mariannensis (non MERR.) KANEHIRA l. c. **45** (1931) 288, pro parte.

Ponape 649, 825! 1488, 1528. In thickets and forests from low to high altitudes. *Distrib.* Endemic. *Nat. name*: "karasyau" (Ponape).

Dysoxylum BLUME

? **Dysoxylum trukensis** KANEHIRA in sched.

Truk, Fefan 1721. In forests at medium altitudes, The specimen is sterile.

Lansium CORREA

Lansium domesticum CORREA in Ann. Mus. Hist. Nat. Paris **10** (1807) 157, t. 10, f. 1; KANEHIRA l. c. **45** (1931) 288.

Ponape, Kolonia 666, 1590. Planted in the Botanical Garden. *Distrib.* Indo-China, Malay Peninsula and Archipelago; cultivated for its edible fruits.

Melia LINNAEUS

Melia Azedarach LINN. Sp. Pl. (1753) 384; VOLKENS l. c. 465; MERR. l. c. 100; KANEHIRA l. c. **45** (1931) 288.

Ponape, Kolonia 654, 700; Yap 916; Saipan 2224. In thickets and secondary forests. *Distrib.* India to tropical Africa, southern China and Formosa through Malaya to tropical Australia. *Jap. name*: Sendan.

Vavaea BENTHAM

Vavaea pauciflora VOLKENS in ENGL. Bot. Jahrb. **31** (1901) 465; KANEHIRA l. c. **45** (1931) 289, Fl. Micr. (1933) 165, f. 63.

Yap 1231. In primary forests near the seashore. *Distrib.* The type from Yap, endemic. *Nat. name*: "mesei" (Yap). Wood is used for incense.

Xylocarpus KOENIG

Xylocarpus granatum KOENIG in Naturf. **20** (1784) 2; KANEHIRA l. c. 289, Fl. Micr. 166, f. 64.

Palau: Aimiriik 318, New Gaspan 2121. A mangrove tree. *Distrib.* India and Ceylon through Malaya to New Caledonia. *Nat. names*: "mudurobogon" (Palau), "brok" (Ponape), "pulbun" (Truk), "yamgal" (Yap).

Malphigiaceae**Rysopteris** BLUME

Rysopteris Cumingiana A. JUSS. in Arch. Mus. Paris **3** (1843) 384.

Truk, Moen 1708; Palau, Tôdaiyama 1863, Coral island 2400. In thickets at medium altitudes. *Distrib.* Philippines and Formosa.

Tristellateia THOUARS

Tristellateia australasie A. RICH. Sert. Astrolab. Atlas (1833) t. 15; MERR. in Philip. Journ. Sci. **7** (1912) Bot. 236, Enum. Philip. Fl. Pl. **2** (1923) 380; KANEHIRA in Bot. Mag. Tokyo **49** (1935) 273.

Palau, a coral island near Airai, 2398. *Distrib.* Malay Peninsula and Archipelago to tropical Australia, Philippines and New Caledonia.

Polygalaceae

Polygala TOURNEFORT

Polygala paniculata LINN. Syst. ed. 10 (1759) 1154.

Palau: Korrer 118. A, Makikyoku 2031. In waste fields. *Distrib.* Tropical Africa to Indian Ocean.

Polygala polyfolia PRESL, Rel. Haenk. **2** (1830) 101; MERR. Enum. Philip. Fl. Pl. **2** (1923) 384.

Polygala Warburgii CHODAT in ENGL. Bot. Jahrb. **13** (1891) 346; VOLKENS l. c. 465.

Yap (VOLKENS); Ponape Kolonia 683. In open grasslands at low altitudes. *Distrib.* Amboina to New Guinea.

Euphorbiaceae

Acalypha LINNAEUS

Acalypha fruticosa FORSK. Fl. Aegypt. Arab. (1775) 161; MUELL-ARG. in DC. Prodr. **15**, 2 (1866) 822; KURZ, Forest Fl. **2** (1877) 397; HOOK. f. Fl. Br. Ind. **5** (1887) 415; PAX et HOFFM. in ENGL. Pflanzenr. **85** (1924) 168.

Acalypha amentacea ROXB. ed. 2, **3** (1832) 676; MERR. Enum. Philip. Pl. **2** (1923) 444.

Palau Korrer 2012. In thickets of a coral island. *Distrib.* East Africa, Malaya, Philippines to New Guinea.

Acalypha grandis BENTH. in HOOK. Lond. Jour. Bot. **2** (1843) 232; PAX et HOFFM. l. c. 149; HOSOKAWA in Trans. Nat. Hist. Formos. **25** (1935) 28.

Palau Angaur 577. In thickets. *Distrib.* Malaya.

Acalypha hispida BURM. f. Fl. Ind. (1768) 303, t. 61, f. 1; KANEHIRA l. c. **45** (1931) 239.

Yap 1215. Planted. *Distrib.* Probably a native of southern Malaya, now cultivated in tropical countries.

Acalypha indica LINN. Sp. Pl. (1753) 1009; MERR. l. c. 100; PAX et HOFFM. l. c. 33; HOSOKAWA l. c. 27.

Saipan 1088. A weed in waste places. *Distrib.* Pantropic. *Jap. name:* Kidati-amigasa.

var. **hirsuta** HOSOKAWA l. c. 27.

Palau HOSOKAWA 7079!, *Distrib.* Endemic.

Acalypha trukensis PAX et HOFFM. l. c. 151; HOSOKAWA l. c. 28. The type from Truk, Islet Fefan (KRAEMER). *Distrib.* Endemic.

Aleurites FORSTER

Aleurites moluccana (LINN.) WILLD. Sp. **4** (1805) 590; KANEHIRA l. c. 289.

Jatropha moluccana LINN. Sp. Pl. (1753) 1006.

Ponape Metaranium 846. In thickets near houses. *Distrib.* Tropical Asia to Polynesia, now planted in most tropical countries; the candle nut.

Antidesma BURMAN

Antidesma kusaiense KANEHIRA in Bot. Mag. Tokyo **46** (1932) 456. Kusai 1325! 1433!. In forests at the top of the island. *Distrib.* Endemic.

Antidesma ponapense KANEHIRA in sched.

Ponape Niinoani-zan 824. In primary forests at about 500 m altitude.

Bridelia WILLDENOW

? **Bridelia palauensis** KANEHIRA in sched.

Palau Tôdai-yama 1876. In primary forests at about 150 m alt.

Calaoxylon JUSSIEU

? **Calaoxylon fallax** MUELL.-ARG. in DC. Prodr. **15**, 2 (1866) 780; PAX et HOFFM. in Pflanzenr. **63** (1914) 118.

Calaoxylon parviflorum SEEM. in Bonplandia **9** (1861) 258; Fl. Vitiens (1865-73) 224.

Palau Garamiscan 2102. In thickets. *Distrib.* Fiji Islands. The present plant is probably referred to this species.

Claoxylon longifolium (BL.) MIQ. Fl. Ind. Batav. **1**, 2 (1859) 386; HOOK. f. Fl. Br. Ind. **5** (1887) 411; PAX et HOFFM. l. c. **63** (1914) 117; KANEHIRA l. c. **45** (1931) 289.

Erythrochilus longifolius BL. Bijdr. (1825) 616.

Ponape: Kolonia 647, 1491, Sankakuyama 761, Kity 1532. Fairly abundant in the forests from low to medium altitudes. *Distrib.* Malaya.

Nat. name: "kôee" (Ponape).

Claoxylon longiracemosum HOSOKAWA in Trans. Nat. Hist. Soc. Formos. **25** (1935) 25.

Palau Babeldaob HOSOKAWA 7148! *Distrib.* Endemic.

Claoxylon marianum MUELL.-ARG. in DC. Prodr. **15**, 2 (1866) 783; MERR. l. c. 100; KANEHIRA l. c. 289, Fl. Micr. 169, f. 65.

Saipan 7, 896, 921, 2220; Rota 1757. In primary forests at medium altitudes. The Type from Guam, collected by GAUDICHAUD. *Distrib.* Endemic. *Nat. name*: "kattleknau" (Saipan).

Cleistanthus HOOKER f.

Cleistanthus carolinensis JABL. in ENGL. Pflanzenr. Euph.-Bridel. (1915) 46; KANEHIRA in Bot. Mag. Tokyo **45** (1931). l. c. 289.

Cleistanthus angularis KANEHIRA *ibid.* 289, Fl. Micr. (1933) 170, f. 66. Palau: Aimiriik 313, 2347, 2762, Korror 357, Babeldaob 534!, a coral island 2004, 2395. In thickets and primary forests at low altitudes. *Distrib.* Endemic.

Cleistanthus insularis KANEHIRA in Bot. Mag. Tokyo **47** (1933) 673. Palau Airai 2132!. In mangrove forests. *Distrib.* Endemic.

Cleistanthus Morii KANEHIRA l. c. **46** (1932) 456, F. Micr. 171, f. 67. The type from Moen, Truk 1703! In primary forests at medium altitudes. *Distrib.* Endemic.

Codiaeum (RUMPH.) JUSSIEU

Codiaeum variegatum (LINN.) BL. Bijdr. (1825) 606; VOLKENS l. c. 466; MERR. l. c. 101.

Croton variegatum LINN. Sp. Pl. (1753) 1199.

Cultivated for ornaments. *Distrib.* Pantropic. *Croton*.

Croton LINNAEUS*

Croton heterocarpus MUELL.-ARG. in DC. Prodr. **15**, 2 (1866) 621;
KANEHIRA l. c. 290.

Palau Korrer 189. In thickets near the seashore. *Distrib.* Malay Peninsula, Philippines, Sumatra and Borneo.

Croton Tiglium LINN. Sp. Pl. (1753) 1007.

Ponape Kolonia 1584. Planted in the Experiment Station. *Distrib.* India to New Guinea. The seeds used for poisoning fish.
Jap. name: Hadu.

Drypetes VAHL

Drypetes carolinensis KANEHIRA in Bot. Mag. Tokyo **46** (1932) 457, Fl. Micr. 173, f. 68.

The type from Yap 1222! In primary forests at low altitudes. *Distrib.* Endemic.

Drypetes dolichocarpa KANEHIRA l. c. **48** (1934) 400.

Saipan 2141! 2784; Tinian 1044. In thickets about 100 m altitude, *Distrib.* Endemic.

Drypetes nitida KANEHIRA l. c. **48** (1934) l. c. 400.

Palau: Korrer 2468! Airai 2391, 2784. In primary forests, coral islands. *Distrib.* Endemic.

Drypetes rotensis KANEHIRA in Bot. Mag. Tokyo **48** (1934) 733 f. 4.
Drypetes sp. in KANEHIRA Fl. Micr. (1933) 174.

Rota 1791! In primary forests. *Distrib.* Endemic.

Euphorbia COMMERSON

Euphorbia atoto FORST. f. Prodr. (1786) 207; VOLKENS l. c. 466;
MERR. l. c. 101.

Palau Angaur 601. A strand plant. *Distrib.* India to southern China and Formosa through Malaya to Australia. *Jap. name*: Hamadaigeki.

* T. HOSOKAWA proposed the genus *Saipania*, Trans. Nat. Hist. Soc. Formos. **25** (1935) 28, a monotypic genus of *Euphorbiaceae* represented by *Saipania glandulosa* HOSOKAWA. He recently informs me that it is probably not distinct from *Croton*. Until its position and relationships shall have been more fully determined, the genus is excluded.

Euphorbia Gaudichaudii BOISS. Cent. Euph. (1860) 7; MERR. l. c. 101.

Distrib. A species known only from Guam.

Euphorbia heterophylla LINN. Sp. Pl. (1753) 453; MERR. l. c. 101. Saipan 964, Kusai 1360. Very common in thickets and waste places. *Distrib.* A native of tropical America, now pantropic.

Euphorbia hirta LINN. Sp. Pl. (1753) 454; MERR. l. c. 101.

Euphorbia pilulifera LINN. Sp. Pl. 454; VOLKENS l. c. 466.

Palau Korror 205, Saipan 1035, Kusai 1410, Pagan 2213. In waste places and open grasslands. *Distrib.* Pantropic. *Jap. name:* Taiwan-nisikisô.

Euphorbia macgillivraii BOISS. in DC. Prodr. 15, 2 (1862) 26.

Palau: Marikyoku 416, Garamiscan 2107; Yap 1115, 1247. In thickets at low altitudes. *Distrib.* Australia.

Euphorbia serrulata REINW. ex BL. Bijdr. (1826) 635; VOLKENS l. c. 466.

Yap (VOLKENS). *Distrib.* Southern China, Formosa through Malaya to Timor and tropical Australia.

Euphorbia thymifolia LINN. Sp. Pl. (1753) 454; VOLKENS l. c. 466; MERR. l. c. 101; KOIDZ. in Bot. Mag. Tokyo 29 (1915) 251.

Palau Korror 208. In waste places. *Distrib.* Pantropic. *Jap. name:* Iriomote-nisikisô.

Euphorbia tinianensis HOSOKAWA in Trans. Nat. Hist. Soc. Formos. 25 (1935) 29.

Tinian HOSOKAWA 7804. *Distrib.* Endemic.

Excoecaria LINNAEUS

Excoecaria Agallocha LINN. Syst. ed. 10 (1759) 1288; VOLKENS l. c. 466; PAX et HOFFM. in ENGL. Pflanzenr. 52 (1912) 266, f. 30; KANEHIRA l. c. 45 (1931) 290.

Palau Korror 131, 363, 365. In beach forests or in mangrove swamps. *Distrib.* India to Polynesia. *Nat. names:* "bat" (Yap), "ayas" (Palau), "lôsus" (Truk). *Jap. name:* Simasiraki.

Glochidion FORSTER

Glochidion Kanehirae HOSOKAWA in Trans. Nat. Hist. Soc. Formos. **25** (1935) 22.

Palau KANEHIRA 241! *Distrib.* Endemic.

Glochidion littorale Bl. Bijdr. (1825) 585; Miq. Fl. Ind. Bat. **1**, 2 (1858-59) 277; MERR. Enum. Fl. **2** (1823) 399.

Phyllanthus littoralis MUELL.-ARG. in Flora **48** (1865) 370, DC. Prodr. **15**, 2 (1866) 280.

Palau Korror 1906. In thickets of a coral island. *Distrib.* India to Java, Philippines to Borneo.

Glochidion macrosepalum HOSOKAWA l. c. 21.

Palau Babeldaob, HOSOKAWA 7053. *Distrib.* Endemic.

Glochidion marianum MUELL.-ARG. in Linnaea **32** (1863) 66; MERR. l. c. 102; HOSOKAWA l. c. 23.

"Originally described from specimens collected in Guam by GAUDICHAUD, reported also from Tonga by MUELLER, with a variety from Samoa" (MERRILL l. c.)

Glochidion palauense HOSOKAWA l. c. 22.

Palau HOSOKAWA 7453. *Distrib.* Endemic.

Glochidion ponapense HOSOKAWA l. c. 24.

Ponape HOSOKAWA 5717, 5737, 5758, 5770. *Distrib.* Endemic.

Glochidion puberulum HOSOKAWA l. c. 23.

Ponape HOSOKAWA 5523. Truk KANEHIRA 1724. *Distrib.* Endemic.

Glochidion ramiflorum Forst. Char. Gen. (1776) 114, t. 57; KANEHIRA l. c. 290; HOSOKAWA l. c. 22.

Palau Aimiyon 611, Ponape 1484. In thickets and forests. *Distrib.* Polynesia.

Hevea AUBLET

Hevea brasiliensis (HBK.) MUELL.-ARG. in Linnaea **34** (1856) 204.

Siphonia brasiliensis HBK. Nov. Gen. Sp. Pl. **7** (1818) 141.

Ponape Kolonia 1596. Planted in the Experiment Station. *Distrib.* A native of Brazil; Para rubber.

Homalanthus JUSSIEU

Homalanthus populneus (GEISEL.) PAX in ENGL. & PRANTL Nat. Pflanzenf. **3**, 5 (1890) 96, f. 60; PAX et HOFFM. in ENGL. Pflanz-

zenr. **52** (1912) 46, f. 7; KANEHIRA l. c. **45** (1931) 290, Fl. Micr. (1933) 176.

Stillignia populnea GEISEL. Croton Monog. (1807) 80.

Ponape Kolonia 748. *Distrib.* Malay Peninsula, Sumatra, Java, Borneo, Celebes, Philippines Amboina and New Guinea. *Nat. name*: "keishia" (Ponape).

Jatropha LINNAEUS

Jatropha Curcas LINN. Sp. Pl. (1793) 1006; KANEHIRA l. c. 290.

Saipan 904. Planted. *Distrib.* A native of tropical America, now in all tropical countries. It is physic nut. *Nat. name*: "tubataba" (Saipan).

Jatropha multifida LINN. Sp. Pl. (1753) 1006; MERR. l. c. 102.

Tinian 1072. Planted for ornamental purposes. *Distrib.* Introduced from tropical America.

Macaranga THOUARS

Macaranga carolinensis VOLKENS (1901) 466; PAX et HOFFM. in Pflanzenr. **63** (1914) 371; KANEHIRA l. c. 291, Fl. Micr. 177, f. 66.

Palau: Korrer 88, 188, 1850; Aimiriik 266, 2341, 2342; Yap 1096, 1097; Truk Tol 1278, Moen 1717, Fefan 1719; Ponape Parkier 1502, 1627. Very common in forests and thickets from low to medium altitudes. *Distrib.* Endemic. *Nat. names*: "apot" or "aput."

Macaranga Kanehirae HOSOKAWA in Trans. Nat. Hist. Soc. Formos. **25** (1935) 27.

Ponape KANEHIRA 632, 708. *Distrib.* Endemic.

Macaranga Thomsonii MERR. in Philip. Journ. Sci. **9** (1914) Bot. 102; KANEHIRA Fl. Micr. (1933) 178, f. 70.

The type from Guam. Rota 1735, 1789. In primary forests at about 300 m altitude. *Distrib.* Endemic.

Mallotus LOUREIRO

Mallotus palauensis HOSOKAWA in Trans. Nat. Hist. Soc. Formos. **25** (1935) 25.

Palau HOSOKAWA 7284. Palau 838, 1855, 1918, 2294. *Distrib.* Endemic.

Mallotus ponapensis HOSOKAWA l. c. 26.
Ponape HOSOKAWA 6124. *Distrib.* Endemic.

Manihot TOURNEFORT

Manihot Glaziovii MUELL.-ARG. in MART. Fl. Bras. **15**, 2 (1874) 446.
Ponape Kolonia 1682. Planted in the Experiment Station, Kolonia.
Distrib. A native of tropical America, now pantropic in cultivation; Ceara rubber.

Manihot utilissima POHL, Pl. Bras. Ic. Desc. **1** (1827) 32, t. 24;
VOLKENS l. c. 466; MERR. l. c. 103.
Ponape Kolonia 1598. Planted and semicultivated. *Distrib.* A native of Mexico, now pantropic; Cassava or tapioca.

Melanolepis REICHENBACH f. et ZOLLINGER

Melanolepis multiglandulosa (REINW.) REICHB. f. et ZOLL. in Linnaea **28** (1856) 324; KANEHIRA l. c. 291, Fl. Micr. 179, f. 71.
Croton multiglandulosa REINW. ex BL. Cat. Gew. Buitenz. (1823) 105.
Saipan 19, 886, 2249; Tinian 1061; Rota 1742, '1792; Aramagan 2187. In secondary forests at low altitudes. *Distrib.* Indo-China, Formosa through Malaya and Philippines to New Guinea. *Nat. name*: Yanbaru-akamegasiwa.

Phyllanthus LINNAEUS

Phyllanthus atropurpurea BOJ. Hort. Maurit. 280, nomen.
Palau, Korrer. Planted in gardens. *Distrib.* A native of Comoro Island in the east coast of tropical Africa, now widely cultivated.

Phyllanthus marianus MUELL.-ARG. in Linnaea **32** (1863) 17;
MERR. l. c. 103; KANEHIRA l. c. 291. HOSOKAWA in Trans. Nat. Hist. Soc. Formos. **25** (1935) 20.

Saipan 34, 1036; Pagan 2208; Palau Korrer 195. In thickets and waste places. *Distrib.* Otherwise known only from Guam.

Phyllanthus Niuri LINN. Sp. Pl. (1753) 981; VOLKENS l. c. 465;
MERR. l. c. 104; KOIDZ. in Bot. Mag. Tokyo **29** (1915) 250.
Palau Korrer 209; Ponape Kolonia 736; Kusai 1412; Jaluit (KOIDZUMI). A common weed along the seashore. *Distrib.* Pantropic. *Jap. name*: Kidati-kominkasô.

Phyllanthus palauensis HOSOKAWA in Trans. Nat. Hist. Soc. Formos. **25** (1935) 19.

Palau Babeldaob, HOSOKAWA 7242! *Distrib.* Endemic.

Phyllanthus rupi-insularis HOSOKAWA l. c. 19.

Palau HOSOKAWA 7534! *Distrib.* Endemic.

Phyllanthus Saffordii MERR. in Philip. Journ. Sci. **9** (1914) Bot. 104, HOSOKAWA l. c. 20.

The type from Guam. *Distrib.* Endemic.

Phyllanthus simplex RETZ. Obs. **5** (1789) 29; VOLKENS l. c. 465; MERR. l. c. 105.

Yap, Guam. *Distrib.* India to southern China, Malaya, Philippines and Polynesia. *Jap. name*: Taiwan-himekanzô.

Phyllanthus urinaria LINN. Sp. Pl. (1753) 982; VOLKENS l. c. 465; MERR. l. c. 105.

Guam, Yap. *Distrib.* Pantropic. *Jap. name*: Ko-mikanso.

Ricinus TOURNEFORT

Ricinus communis LINN. Sp. Pl. (1753) 1007; VOLKENS l. c. 466; MERR. l. c. 105.

Guam, Yap. *Distrib.* Pantropic, a native of the Old World. *Jap. name*: Tôgoma.

Sapium JACQUIN

Sapium indicum WILLD. Sp. Pl. (1805) 572; PAX et HOFFM. in ENGL. Pflanzenr. **52** (1912) 251, f. 45, E; KANEHIRA l. c. **45** (1931) 291, Fl. Micr. 181, f. 72.

Palau: Babeldaob 385, Marikyoku 2036. *Distrib.* Ceylon, India through Malaya to New Guinea. *Nat. name*: "masklegl" (Palau).

Anacardiaceae

Anacardium LINNAEUS

Anacardium occidentale LINN. Sp. Pl. (1753) 1007; MERR. l. c. 105; LAUTERB. in ENGL. Bot. Jahrb. **56** (1921) 518.

Guam (MERRILL), Saipan (FRITZ). Planted. *Distrib.* A native of tropical America, now widely distributed in most tropical countries. Cashew nut.

Buchanania SPRENGEL

Buchanania Engleriana VOLKENS in ENGL. Bot. Jahrb. **31** (1901) 466; LAUTERB. l. c. **56** (1921) 517; KANEHIRA l. c. 291, Fl. Micr. 182, f. 73.

Yap 1114, 1237 1180. In primary forests at medium altitudes. *Distrib.* The type from Yap. Endemic.

Buchanania palawensis LAUTERB. l. c. **56** (1921) 517; KANEHIRA l. c. 291, Fl. Micr. 183, f. 74.

Palau: Korrör 355, 1905, 2455, Marikyoku 432, Aimiriik 258, 2281, Garamiscan 2114. In beach forests on coral rocks. *Distrib.* The type from Palau; endemic. *Nat. name*: "omail" (Palau).

Camptosperma THWITES

Camptosperma brevipetiolata VOLKENS in ENGL. l. c. 466; LAUTERB. l. c. 518; KANEHIRA l. c. 292, Fl. Micr. 184, f. 75.

Palau: Armatin 471, Aimiriik 258, 265, 2285, Korrör 142, Marikyoku 2035; Ponape Kolonia 635, 1571; Yap 1111; Kusai 1328. Very common in forests from low to medium altitudes. *Distrib.* The type from Yap. Endemic. *Nat. names*: "tohn" (Ponape), "ramala" or "ramulo" (Yap) "keralm" (Palau), "elak" (Kusai).

Camptosperma brevipetiolata var. **parvifolia** LAUTERB. l. c. 519. Palau Korrör 1903. *Distrib.* The type from Palau (KRAEMER). Endemic.

Mangifera LINNAEUS

Mangifera indica LINN. Sp. Pl. (1753) 200; MERR. l. c. 105; KANEHIRA l. c. 292.

Ponape Kolonia 873. Planted. *Distrib.* Indo-Malayan region in general cultivation, now planted in all tropical countries. Mango.

Mangifera minor BL. in Mus. Lugd.-Bat. **1** (1849) 198; LAUTERB. in ENGL. Bot. Jahrb. **56** (1921) 517.

Ponape Kolonia 1501. In thickets at low altitudes. *Distrib.* Molucas to New Guinea. Wild mango.

Mangifera odorata GRIFF. Notul. **4** (1854) 417; MERR. l. c. 105. Guam. Planted. *Distrib.* Widely distributed in Malaya. Spain mango.

Rhus TOURNEFORT

Rhus taitensis GILL. in Ann. Sci. Nat. **2**, 7 (1837) 361; MERR. Enum. Philip. Fl. Pl. **2** (1923) 473; KANEHIRA l. c. **45** (1931) 292, Fl. Micr. (1933) 185, f. 76.

Rhus simarubaefolia A. GRAY, Bot. WILKES U. S. Explor. Exped. (1854) 367; VOLKENS l. c. 467; LAUTERB. l. c. **56** (1921) 519.

Palau: Korrör 130, Aimiriik 2327; Yap 1134; Ponape Parkir 1505; Truk Moen 1707.

Very common in thickets and forests at low and medium altitudes. *Distrib.* Philippines to Polynesia. *Nat. name*: "acaues" (Palau), "garahde" (Yap).

Semecarpus LINNAEUS f.

Semecarpus Kraemeri LAUTERB. in ENGL. Bot. Jahrb. **56** (1921) 521 (in nota); KANEHIRA l. c. **46** (1932) 485, Fl. Micr. 187, f. 77. Truk, Tol 1274. In primary forests at medium altitudes. *Distrib.* Endemic.

Semecarpus venenosa VOLKENS in ENGL. Bot. Jahrb. **31** (1901) 467; LAUTERB. l. c. **56** (1921) 521, f. 1; KANEHIRA l. c. 292, Fl. Micr. 187, f. 78.

Palau: Babeldaob 309, 428, Aimiriik 1975, 2288; Yap 1175. *Distrib.* The type from Yap, endemic. *Nat. name*: "tohnget" (Palau). A medium-sized tree, sap very poisonous.

Spondias LINNAEUS

Spondias dulcis FORST. f. Prodr. 198; LAUTERB. in ENGL. Bot. Jahrb. **56** (1921) 518.

Ponape. I have seen a very large tree in a road side, near Kity, about 150 cm in diameter. Occasionally planted. *Distrib.* Malaya to Polynesia.

Spondias lutea LINN. Sp. Pl. ed. 2 (1762) 613.

Palau (*fide* OKAMOTO). *Distrib.* A native of tropical America, now widely cultivated. *Nat. name*: "mesehezl" (Palau).

Spondias pinnata (LINN. f.) KURZ in Pegu Report. (1875) Å 44; KANEHIRA l. c. **45** (1931) 292.

Mangifera pinnata LINN. f. Suppl. (1781) 156.

Spondias mangifera WILLD. Sp. Pl. **2** (1799) 751; LAUTERB. l. c. 518. Palau Babeldaob 378, 2771; Ponape Kolonia, Botanical Garden 664. In thickets near houses; frequently planted for its edible fruits. *Distrib.* The Philippines and the Moluccas. *Nat. name*: "tetimul" (Palau). The fruits are much smaller than those of the preceding.

Aquifoliaceae

Ilex LINNAEUS

Ilex Mertensii var. *Volkensiana* LOES. in ENGL. Bot. Jahrb. **56** (1921) 523; KANEHIRA l. c. 292, Fl. Micr. (1933) 191, f. 79. Ponape Niinoani-zan 802, Tortom-zan 1554, Nānaraut-zan 1663. In primary forests at 600-700 m altitudes. *Distrib.* Endemic.

Celastraceae

Gymnosporia WIGHT et ARNOTT

Gymnosporia palauca LOES. in ENGL. Bot. Jahrb. **63** (1930) 272; KANEHIRA l. c. **45** (1931) 293, Fl. Micr. (1933) 193, f. 80. Palau Korror 95, 1997, 1998, 2396, 2451. In forests on coral rocks. *Distrib.* Endemic.

Gymnosporia Thompsonii MERR. in Philip. Journ. Sci. **9** (1914.) Bot. 105; LOES. l. c. 272; KANEHIRA l. c. 293, Fl. Micr. 193, f. 81. *Celastrus mariannensis* KOIDZ. in Bot. Mag. Tokyo **30** (1916) 400. Saipan 930, 948, 987, 1004; Tinian 1046, 2258, 2264; Rota 1746. In damp primary forests at low altitudes. *Distrib.* The type from Guam, endemic. *Nat. name*: "lulufut" (Guam and Saipan).

Hippocrateaceae

Hippocratea LINNAEUS

Hippocratea macrantha KORTH. var. *palauca* LOES. in ENGL. Bot. Jahrb. **63** (1930) 274. Palau Babeldaob (LEDERMANN). Yap. 1254. *Distrib.* The species in Borneo, the variety endemic. *Nat. name*: "grangl" (Palau).

Salacia LINNAEUS

Salacia Naumannii ENGL. ENGL. Bot. Jahrb. **7** (1886) 464; LOES. in K. SCHUM. et K. LAUTERB. Nachtr. Deutsch. Schutzg. Südsee (1905) 304, ENGL. *ibid* **63** (1930) 276; KANEHIRA l. c. **45** (1931) 293, Fl. Micr. (1933) 195, f. 82.

Palau: Korrör 75, 338, Marikyoku 396, Aimiyon 509; Yap 1119. In forests at low altitudes or thickets near houses. *Distrib.* New Guinea. *Nat. name*: "detimmul" (Palau). The species apparently very closely allied to *Salacia prinoides* DC.

Salaciratea LOESNER

Salaciratea Kraemeri LOES. in ENGL. Bot. Jahrb. **63** (1930) 275; KANEHIRA Fl. Micr. (1933) 196, f. 83.

The type from Korrör, Palau. Korrör 2007, 2008! *Distrib.* So far known only from Palau. *Nat. name*: "keikei."

Stackhousiaceae**Stackhousia** SMITH

Stackhousia intermedia F. M. BAILEY in Queensl. Agr. Journ. **3** (1898) 281.

Palau: Marikyoku 442, Garamiscan 2106, Airai 2382. In thickets at low altitudes. *Distrib.* Amboina, Sumatra, Philippines to northeastern Australia.

Stackhousia viminea SEEM. collected by VOLKENS (l. c. 467) in Yap may be referred to the present species.

Icacinaceae**Gomphandra** WALLICH

Gomphandra carolinensis KANEHIRA Fl. Micr. (1933) 198, f. 85, nom. seminud. et in Bot. Mag. Tokyo **47** (1933) 673.

Palau: Korrör, Tôdaiyama 1882, 1908, a coral island 2473. In primary forests. *Distrib.* Endemic.

Lophopyxis HOOKER

Lophopyxis pentaptera (K. SCHUM.) ENGL. in Stitz. Preuss. Akad.

Wiss. **18** (1893) 265; KANEHIRA l. c. **45** (1931) 293, Fl. Micr. 197, f. 84.

Combretopsis pentaptera K. SCHUM. in K. SCHUM. et HOLLR. Fl. Kais. Wilhelmsl. (1889) 69.

Palau: Korrör 124, Aimiyon 486, Aimiriik 315, 2348. In forests at low altitudes. *Distrib.* New Guinea. *Nat. name:* "kohtep" (Palau).

Merrilliodendron KANEHIRA

Merrilliodendron rotense KANEHIRA in Bot. Mag. Tokyo **48** (1934) 920, f. 7.

Rota 1775! In primary forests. *Distrib.* Endemic. *Nat. name:* "faniok."

Urandra THWITES

Urandra ammui (SCHELLENB.) KANEHIRA in Bot. Mag. Tokyo **45** (1931) 293, Fl. Micr. (1933) 199, f. 86.

Urandra elliptica SCHELLENB. in ENGL. Bot. Jahrb. **59** (1924) 17, non MERR. in Philip. Journ. Sci. **5** (1910) Bot. 195.

Palau: Kamset 538, Aimiriik 1922, 1935. In mangrove swamps. *Distrib.* Endemic. *Nat. name:* "ammui" (Palau).

Sapindaceae

Allophylus LINNAEUS

Allophylus holophyllus RADLK. in Philip. Journ. Sci. **9** (1914) Bot. 106.

Guam (MERRILL). Rota 1759, 1787, 1800. In primary forests. *Distrib.* The type from Guam, endemic.

Allophylus laetus RADLKF. in Sitzungsber. bayer. Akad. **38** (1908) 228; ENGL. Pflanzenr. (Sapind.) **98** (1932) 561.

The type from Saipan (FRITZ). *Distrib.* Endemic.

Allophylus ternatus (FORST.) RADLK. in ENGL. Prantl. Pflanzenf. **3**, 5 (1895) 313; KANEHIRA l. c. **45** (1931) 293.

Aporetica ternata FORST. Char. Gen. (1776) 132.

Palau: Korrör 159, 567, 2077; Ponape 634; Kusai 1326; Rota 1749. In thickets along the seashore. *Distrib.* Borneo, Philippines to tropical Australia.

Allophyllus timorensis (DC.) BLUME Rumphia **3** (1847) 130; VOLKENS l. c. 467; MERR. l. c. 106; KOIDZ. in Bot. Mag. Tokyo **29** (1915) 251; KANEHIRA l. c. 294.

Palau: a coral island 215, 2405, 2474, 2751, Angaur 597; Saipan 906; Kusai 1369; Truk 1725. In thickets and forests near the sea. *Distrib.* Formosa to the Nicobar Islands through Malaya to Samoa and New Caledonia.

Cardiospermum LINNAEUS

Cardiospermum halicacabum LINN. Sp. Pl. (1753) 366; MERR. l. c. 107.

Guam. Saipan 1085; Tinian 1055. In thickets and waste places. *Distrib.* Pantropic. *Jap. name:* Hûsenkadura.

Dodonaea LINNAEUS

Dodonaea viscosa (LINN.) JACQ. Enum. Pl. Carib. (1760) 19; VOLKENS l. c. 467; MERR. l. c. 107; KANEHIRA l. c. **45** (1931) 294, Fl. Micr. 202, f. 87.

Ptelea viscosa LINN. Sp. Pl. (1753) 118.

Palau Marikyoku 420; Saipan 1024. *Distrib.* Pantropic. *Nat. names:* "Masikirangl" (Palau), "papakpag" (Rota). *Jap. name:* Hautiwanoki.

Mischocarpus BLUME

Mischocarpus Guillauminii KANEHIRA in Bot. Mag. Tokyo **46** (1932) 672, Fl. Micr. (1933) 203, f. 88.

Truk Tol 1368. In primary forests at medium altitudes. *Distrib.* Endemic.

Nephelium LINNAEUS

Nephelium lappaceum LINN. Mant. **2** (1771) 566.

Ponape Kolonia 1591. Planted in the Experiment Station. *Distrib.* India to Indo-China and Malaya, cultivated for its edible fruits. *Jap. name:* Syosi. Rambutan (Malay).

Palaoea KANEHIRA

Palaoea falcata KANEHIRA in Bot. Mag. Tokyo **49** (1935) 271, f. 25. Palau, Peliliu 2426, 2441!, 2427! In primary forests. *Distrib.* Endemic.

Tristiropsis RADLKOFER

Tristiropsis obtusangula RADLK. in ENGL. Pflanzenr. Heft **98** d (1932) 863; HOSOKAWA in Trans. Nat. Hist. Soc. Formos. **25** (1935) 30.

The type from Marianne Islands (GAUDICHAUD); Rota, HOSOKAWA 7689. *Distrib.* Endemic.

Balsaminaceae**Impatiens** RIVINIUS

Impatiens balsamina LINN. Sp. Pl. (1753) 938; MERR. l. c. 107.

Guam. *Distrib.* Very common in cultivation in different forms; a native of India, now cultivated in warm countries. *Jap. name:* Hōsenkwa.

Rhamnaceae**Alphitonia** REISSEK

Alphitonia philippinensis BRAID in Kew Bull. (1925) 183; KANEHIRA l. c. **45** (1931) 294, Fl. Micr. (1933) 205, f. 89.

Alphitonia excelsa (non REIS.) LAUTERB. in ENGL. Bot. Jahrb. **56** (1921) 526.

Palau: Marikyoku 405, Aimiriik 1924; Yap 1234; In thickets and forests at low altitudes. *Distrib.* Philippines, Borneo, Indo-China and Hainan. *Nat. name:* "karabiob" (Palau).

Colubrina L. C. RICHARD

Colubrina asiatica (LINN.) BRONGN. in Ann. Sci. Nat, **1**, 10 (1827) 369; VOLKENS l. c. 467; KANEHIRA l. c. 294.

Ceanothus asiatica LINN. Sp. Pl. (1753) 196.

Tinian 48; Palau, a coral island 238; Ponape 860; Kusai 1389; Ponape 1688. A scandent shrub along the seashore. *Distrib.* Tropical Africa and India to Formosa, through Malaya to Australia and Polynesia.

Smythea SEEMANN

Smythea pacifica SEEM. in Bonplandia **9** (1861) 255, **10** (1862) 35, t. 9; LAUTERB. in ENGL. Bot. Jahrb. **56** (1921) 524; KANEHIRA Fl. Micr. (1933) 207, f. 89 b.

Kusai 1370; Palau 2014, 2130, 2397. A strand plant. *Distrib.* Malaya to Polynesia.

Ventilago GAERTNER

Ventilago Nisidai KANEHIRA in Bot. Mag. Tokyo **49** (1935) 273. Palau 2763! In primary forests. *Distrib.* Endemic.

Zizyphus TOURNEFORT

Zizyphus jujuba (LINN.) LAM. Encycl. **3** (1789) 319; MERR. l. c. 108.

Rhamnus jujuba LINN. Sp. Pl. (1753) 194.

Guam. *Distrib.* Widely distributed in tropical Asia and Malaya, chiefly in cultivation. *Jap. name*: Inunatumé.

Vitaceae

Columella LOUREIRO

Columella trifolia (LINN.) MERR. in Philip. Journ. Sci. **11** (1916) Bot. 134; KANEHIRA in Bot. Mag. Tokyo **45** (1931) 294.

Vitis trifolia LINN. Sp. Pl. (1753) 293.

Cissus trifolia K. SCHUM. et HOLLR. Fl. Kaiser Wilhelsl. (1889) 71; VOLKENS l. c. 468; LAUTERB. in ENGL. Bot. Jahrb. **63** (1930) 277.

Palau, Korrer 87; Yap 1102. In thickets and margins of forests. *Distrib.* India to southern China through Malaya to the Moluccas.

Leea ROYAN

Leea Brunoniana C. B. CLARKE in Journ. Bot. **19** (1881) 166; LAUTERB. in ENGL. Bot. Jahrb. **63** (1930) 277; KANEHIRA l. c. **45** (1931) 295.

Leea sambucina (non WILLD.) VOLKENS l. c. 468.

Palau, 172, 173, 2075, 2382, 2422; Yap 1094. In thickets and forests at low altitudes. *Distrib.* Northern Australia, Timor, Malaya to Solomon Islands. *Nat. name*: "sugal" (Palau). The species is very near *L. indica* (BURM. f.) MERR. if not the same.

Leea pallidifolia KANEHIRA in Bot. Mag. Tokyo **49** (1935) 354.

Leea sp. in KANEHIRA Fl. Micr. (1933) 208.

Palau Tôdai-yama 2026! In dense primary forests at about 150 m altitude. *Distrib.* Endemic.

Elaeocarpaceae**Elaeocarpus LINNAEUS**

- Elaeocarpus carolinensis** KOIDZ. in Bot. Mag. Tokyo **30** (1916) 403; KANEHIRA l. c. **45** (1931) 295, Fl. Micr. (1933) 209, f. 90.
Elaeocarpus joga (non MERR.) SCHLTR. in ENGL. Bot. Jahrb. **56** (1921) 563, pro parte.
- Ponape. Kolonia 650, 1474; Kusai 1313, 1349, 1432; Palau: Aimiriik 291, 1943, 2290. In forests at low altitudes. Very common throughout the two islands. *Distrib.* Endemic. *Nat. name*: "syatak" (Ponape). "nânek" (Kusai). A very large tree, 100 cm in diameter, 16 m in height, wood used for making canoes.
- Elaeocarpus joga** MERR. in Philip. Journ. Sci. **14** (1914) Bot. 106. The type from Guam. Rota 1760, 1785, Aramagen 2175, Pagan 2200. Not known from Saipan. *Distrib.* Endemic. *Nat. name*: "joga" (Guam, Rota).
- Elaeocarpus Kerstingiana** SCHLTR. in ENGL. l. c. 563; KANEHIRA l. c. 295, Fl. Micr. 211, f. 91.
 Ponape Niinoani-zan 801, at about 300 m altitude, Tortom-zan 1556, 1561, at 450 m altitude. In primary forests at high altitudes. *Distrib.* Known from Ponape and Kusai; endemic.
- Elaeocarpus kusaiensis** KANEHIRA in Bot. Mag. Tokyo **46** (1932) 485, Fl. Micr. 212, f. 92.
 Kusai 1372! at Mt. Hinkoln. *Distrib.* Endemic.
- Elaeocarpus Kusanoi** KOIDZ. l. c. 232; KANEHIRA l. c. 295, Fl. Micr. 213, f. 92.
Elaeocarpus Gibbonii SCHLTR. l. c. 564.
 Ponape: Kolonia 740, 1472, Sankakuyama 745, Kity 1541; Kusai 1443. In primary forests at medium altitudes. *Distrib.* Known only from Kusai and Ponape. *Nat. names*: "marratte" or "opop" (Ponape).
- Elaeocarpus rubidus** KANEHIRA Fl. Micr. (1933) 215, f. 94 nom. seminud, et in Bot. Mag. Tokyo **47** (1933) 673.
 Palau Todai-yama 2021! In primary forests at 70 m altitude. *Distrib.* Endemic.

Tiliaceae**Columbia** PERSOON

Columbia Burretii KANEHIRA in Bot. Mag. Tokyo **46** (1932) 669, Fl. Micr. 216, f. 95.

Microcos scabra SM. in Rees Cycl. **23** (1926) no. 3.

Colona scabra BURRET in Notizb. Bot. Berl. **9** (1926) 800.

Columbia scabra (SM.) KANEHIRA in Bot. Mag. Tokyo **45** (1931) 295, non Aug. DC. in Bull. Herb. Boiss. sér. 2, iii 368.

Palau: Armatin 476, Ogiwal 2061, New Gaspan 2124. In forests along the seashore. *Distrib.* Celebes, Amboina, Arue Islands. *Nat. name*: "uab" (Palau).

Corchorus LINNAEUS

Corchorus acutangulus LAM. Encycl. **2** (1786) 104; VOLKENS l. c. 488; MERR. l. c. 109.

Guam. *Distrib.* Pantropic, but probably a native of tropical Asia. *Jap. name*: Togariba-tunaso.

Corchorus tinianensis HOSOKAWA in Trans. Nat. Hist. Formos. **25** (1935) 125.

Tinian HOSOKAWA 7735. *Distrib.* Endemic.

Grewia LINNAEUS

Grewia mariannensis MERR. in Philip. Journ. Sci. **9** (1914) Bot. 109; KANEHIRA l. c. 296, Fl. Micr. (1933) 218, f. 96.

Saipan 20, 22, 972; Rota 1763; Saligan 2155. In secondary forests at low and medium altitudes. *Distrib.* The type from Guam, endemic. *Nat. names*: "angêlo" (Saipan), "agilau" (Rota).

Grewia multiflora JUSS. in Ann. Mus. Hist. Nat. Paris **4** (1804) 89, t. 47 f. 1; MERR. l. c. 110.

Guam*. *Distrib.* Malaya to New Guinea.

Trichospermum BLUME

Trichospermum Ikutai KANEHIRA in Bot. Mag. Tokyo **46** (1932) 486, Fl. Micr. 219, f. 97.

Trichospermum Richii (non SEEM.) VOLKENS l. c. 467.

* "Admitted on the authority of SAFFORD, but his specimen should be compared with the preceding species" (MERRILL l. c.)

The type from Yap, 1113! 1264! In thickets and secondary forests.

Distrib. Endemic. *Nat. name*: "wopf" (Yap).

Trichospermum Ledermannii BURRET in Notizb. Bot Gart. **9**

(1926) 850; KANEHIRA l. c. **45** (1931) 296, Fl. Micr. 221, f. 98.

Palau: Marikyoku 410, Aimiriik 272, a coral island 234, Tōdai-yama 1862. In secondary forests at low altitudes. *Distrib.* Known

only from Palau. *Nat. name*: "orayurukarasusu" (Palau).

Triumfetta LINNAEUS

Triumfetta procumbens FORST. f. Prodr. (1786) 35; HEMSL. in

Journ. Bot. **28** (1890) 1, t. 293, f. 2; MERR. l. c. 110; KOIDZ.

in Bot. Mag. Tokyo **29** (1915) 251; KANEHIRA l. c. 296.

Palau Angaur 572; Saipan 1032. On sandy seashores. *Distrib.*

Sechelles through Malaya to the Philippines and Polynesia.

Triumfetta semitriloba JACQ. Enum. Pl. Carib. (1760) 22; MERR.

l. c. 110.

Guam. *Distrib.* A native of tropical America, now pantropic. *Jap.*

name: Karapin-senso.

Malvaceae

Abelmoschus MEDICUS

Abelmoschus esculentus (LINN.) MOENCH. Meth. (1794) 617; MERR.
l. c. 111.

Hibiscus esculentus LINN. Sp. Pl. (1753) 696.

Guam. *Distrib.* A native of tropical America, now pantropic in
cultivation. The okra.

Abelmoschus moschatus (LINN.) MEDIC. Malv. (1787) 46; MERR.
l. c. 111.

Hibiscus moschatus LINN. Sp. Pl. (1753) 696; VOLKENS l. c. 468.

Truk Fefan 1726. In waste land. *Distrib.* Pantropic.

Abutilon TOURNEFORT

Abutilon indicum (LINN.) SWEET, Hort. Brit. (1826) 54; VOLKENS
l. c. 468; MERR. l. c. 111.

Sida indica LINN. Cent. Pl. **2** (1756) 26.

Guam, Yap. *Distrib.* Pantropic, probably a native of tropical Asia.

Gossypium LINNAEUS

Gossypium brasiliense MACF. Fl. Jam. **1** (1837) 72; MERR. l. c. 111. Saipan 971; Ponape Kolonia 1677. Planted about houses. *Distrib.* A native of tropical America, now pantropic. Kidney cotton.

Hibiscus LINNAEUS

Hibiscus mutabilis LINN. Sp. Pl. (1753) 694; MERR. l. c. 111. Guam. *Distrib.* Pantropic, a native of tropical Asia. *Jap. name:* Huyô.

Hibiscus rosa-sinensis LINN. Sp. Pl. (1753) 694; VOLKENS l. c. 468; MERR. l. c. 112. Ponape, Kolonia 1587. Planted. *Distrib.* A native of the Old World, now pantropic in^ecultivation. *Jap. name:* Husso-kwa.

Hibiscus tiliaceus LINN. Sp. Pl. (1753) 694; VOLKENS l. c. 468; MERR. l. c. 112; KOIDZ. in Bot. Mag. Tokyo **29** (1915) 252; KANEHIRA l. c. 327, Fl. Micr. 222, f. 99. Palau, Korrer 456; Truk 625; Saipan 945; Kusai 1415. In forests along the seashore. *Distrib.* Pantropic along the seashore. *Nat. name:* "karamal" (Palau), "karao" (Ponape), "silfa" (Truk), "gaal" (Yap), "pagao" (bark "boxi") (Saipan), "lo" (Kusai). *Jap. name:* Oohamabô.

Malachra LINNAEUS

Malachra capitata LINN. Syst. ed. 12 (1767) 458; MERR. l. c. 112. Guam. *Distrib.* Pantropic, a native of tropical America. A common weed in open waste places.

Malachra fasciata JACQ. Coll. **2** (1767) 458; MERR. l. c. 112. Guam. *Distrib.* A native of tropical America. A common weed in open waste places.

Malvastrum A. GRAY

Malvastrum coromandelinum (LINN.) GARCKE in Bonplandia **5** (1857) 297.

Malva coromandelina LINN. Sp. Pl. (1753) 687. Saipan 18, 908. *Distrib.* Pantropic, probably of American origin. A common weed. *Jap. name:* Enoki-ai.

Sida LINNAEUS

Sida acuta BURM. f. Fl. Ind. (1768) 147; VOLKENS l. c. 468; MERR. l. c. 112.

Palau, Angaur 585; Truk 608; Saipan 955; Rota 1796. In open waste places. *Distrib.* Pantropic. *Jap. name:* Hosoba-kinkozikwa.

Sida rhombifolia LINN. Sp. Pl. (1753) 684; VOLKENS l. c. 468; MERR. l. c. 112.

Ponape 1558; Kusai 1427; Saipan 17. A common weed. *Distrib.* Pantropic. *Jap. name:* Kinkozikwa.

Thespesia SOLANDER

Thespesia populnea (LINN.) SOLAND. ex CORR. in Ann. Mus. Paris **9** (1807) 290; VOLKENS l. c. 468; MERR. l. c. 112; KANEHIRA l. c. 327, Fl. Micr. 224, f. 100.

Hibiscus populneus LINN. Sp. Pl. (1753) 694.

Tinian 58; Truk 617; Ponape Kolonia 856; Saipan 1019; Saligan 2157. In thickets along the seashore. *Distrib.* Pantropic. *Jap. names:* "pengegen" (Ponape), "banael" (Saipan), "pakeena" (Kusai). *Jap. name:* Sima-aoi.

Urena LINNAEUS

Urena lobata LINN. Sp. Pl. (1753) 692; VOLKENS l. c. 468.

Palau: Korrör 183, Babeldaob 455; Ponape Kolonia 697, 1672; Saipan 950; Yap 1156. In thickets, open waste places etc. *Distrib.* Pantropic. *Jap. name:* Oobondenkwa.

Bombaceae**Ceiba** MEDICUS

Ceiba pentandra (LINN.) GAERTN. Fruct. **2** (1791) 244, t. 133; VOLKENS l. c. 468; KANEHIRA l. c. 327.

Bombax pentandrum LINN. Sp. Pl. (1753) 511.

Eriodendron anfractuosum DC. Prodr. **1** (1824) 479.

Ponape, Kolonia 871. Planted. *Distrib.* Pantropic, probably a native of tropical America.

Durio ADANSON

Durio zibethianus MURR. Syst. (1774) 591.

Ponape Kolonia, Botanical Garden 1592. Planted. *Distrib.* Malaya, mostly in cultivation.

Sterculiaceae

Abroma JACQUIN

Abroma augusta (LINN.) LINN. f. Suppl. (1781) 341; KANEHIRA l. c. 328.

Theobroma augusta LINN. Syst. ed. 12 (1767) 233.

Abroma mollis DC. Prodr. 1 (1824) 485; VOLKENS l. c. 469.

Palau Marikyoku 382. In thickets and waste places at low altitudes. *Distrib.* India to southern China and Malaya.

Commersonia FORSTER

Commersonia bartramia (LINN.) MERR. Interpret. Herb. Amb. (1917) 362; KANEHIRA l. c. 328, Fl. Micr. 226, f. 101.

Muntingia bartramia LINN. Amoen. Acad. 4 (1759) 124.

Commersonia echinata FORST. Char. Gen. (1776) 44, t. 22; VOLKENS l. c. 468.

Palau, Korror 191; Ponape Kolonia 651; Yap 1116; Kusai 1347; Ponape 1494; Truk 1710. In thickets and secondary forests at low altitudes. *Distrib.* Indo-China and the Malaya Peninsula through Malaya to Polynesia. *Nat. names:* "acarido" (Ponape), "gagu" (Yap), "oun" (Truk), "melfo" (Kusai), "asbeeta" (Palau).

Helicteres PLUKENET

Helicteres angustifolia LINN. Sp. Pl. (1753) 963; VOLKENS l. c. 468; KANEHIRA l. c. 328.

Yap 1219. Along the road. *Distrib.* India to southern China southward to the Philippines, Borneo, Malay Peninsula and Java.

Heritiera DRYANDER

Heritiera littoralis DRYAND. in AIT. Hort. Kew. 3 (1789) 546; VOLKENS l. c. 469; MERR. l. c. 113; KANEHIRA l. c. 328, Fl. Micr. 228, f. 102.

Palau, Marikyoku 389; Truk 612; Ponape 766; Saipan 1086, 1729, 2244; Yap 1217; Kusai 1319. In forests along the seashore. *Distrib.* India to tropical Africa through Malaya to Polynesia. *Nat. names:* "akabibukk" (Palau), "marapinset" (Ponape),

“rum” (Yap), “zwobott” (Truk), “lum” (Kusai). *Jap. name*: Sakisima-swôgi.

Heritiera longipetiolata KANEHIRA in Bot. Mag. Tokyo **46** (1932) 487, Fl. Micr. (1933) 229, f. 103.

Tinian 1060, 1060 B, 1730, 2274. In primary forests at about 100 m. altitude. *Distrib.* Endemic. *Nat. name*: “ufa”, (Tinian, Saipan).

Kleinhovia LINNAEUS

Kleinhovia hospitata LINN. Sp. Pl. ed. 2 (1763) 1365.

Truk Tol 1276; Kusai Moto 1425; Ponape Owa 1698. In thickets and secondary forests. *Distrib.* India to tropical Africa, Malaya and Formosa. *Jap. name*: Hûsen-akamegasiwa.

Melochia DILLENUS

Melochia concatenata LINN. Sp. Pl. (1753) 675.

Ponape 876. A weed in waste places. *Distrib.* Pantropic. *Jap. name*: Nodi-aoi.

Melochia Lessoniana K. SCHUM. apud VOLKENS l. c. 468.

Yap 1121. In thickets and forests, sometimes planted for ornaments. *Distrib.*

Melochia odorata LINN. f. Suppl. (1781) 302; MERR. l. c. 113; KANEHIRA l. c. 328.

Guam (MERRILL); Palau, Korror 175; Ponape Metaranium 855; Kusai 1343. In thickets and secondary forests. The type from the Island of Tanna, near New Caledonia. *Distrib.* New Caledonia to Polynesia.

Melochia villosissima (PRESL) MERR. in Philip. Journ. Sci. **15** (1919) Bot. 543.

Riedleia villosissima PRESL, Rel. Haenk. **2** (1835) Bot. 146.

Melochia hirsutisissima MERR. l. c. **9** (1914) Bot. 113.

The type from Guam. *Distrib.* Known only from Guam.

Sterculia LINNAEUS

Sterculia palauensis KANEHIRA Fl. Micr. (1933) 230, f. 104; KANEHIRA in Bot. Mag. Tokyo **47** (1933) 674.

Palau: Tôdai-yama 1859! 1875, Pelilieu 2418, 2424. The type in primary forests at about 100 m altitude. *Distrib.* Endemic.

Sterculia sp.

Ponape Nânaraut-zan 1620. At about 450 m alt. In primary forests.
A sterile specimen.

Theobroma LINNAEUS

Theobroma cacao LINN. Sp. Pl. (1753) 782; KANEHIRA l. c. 329.

Yap 1199. The tree is also planted in Saipan, Ponape etc. *Distrib.*
A native of tropical America, now cultivated in most tropical
countries. Cacao.

Waltheria LINNAEUS

Waltheria americana LINN. Sp. Pl. (1753) 673; MERR. l. c. 114.

Guam. *Distrib.* A native of tropical America, now in all tropical
countries. *Jap. name*: Ko-banbanoki.

Theaceae**Eurya** THUNBERG*

Eurya japonica THUNB. Fl. Jap. (1784) 191, t. 25; VOLKENS l. c.
469; DIELS in ENGL. l. c. 56 (1921) 526; KANEHIRA l. c. 329.

Palau 149, 197, 1954; Yap 1195; Ponape 640, 804, 702, 1514; Ara-
magan 2190. In thickets and secondary forests, sometimes
margins of primary forests from low to medium altitudes.
Distrib. India to Japan through Malaya to Polynesia. *Jap.*
name: Hisakaki.

Eurya japonica THUNB. var. **nitida** KORTH. in Verhand. Nat. Gesch.

Bot. (1839-42) 118, t. 17, f.3; DIELS l. c. 526; KANEHIRA l. c. 329.
Palau 2071! In thickets and waste places at low altitudes. *Distrib.*
India to China, Japan and Malaya.

Guttiferae**Calophyllum** LINNAEUS

Calophyllum cholobtaches LAUTERB. in ENGL. Bot. Jahrb. 59 (1925)
20; KANEHIRA l. c. 329. Fl. Micr. 233, f. 105.

* T. HOSOKAWA in Trans. Nat. Hist. Soc. Formos. 25 (1935) 30-32, proposed three
new species of *Eurya* from Micronesia, namely *Eurya ladronica* HOSOKAWA from
Aramagan, *Eurya palauensis* HOSOKAWA from Palau and *Eurya ponapensis* HOSOKAWA
from Ponape. In comparing a large series of specimens which I collected in these
regions I note no striking differential characters, and hence merely mention the
proposed new species pending a more intensive study of the entire group.

Palau Babeldaob 386, Aimiriik 1984, Airai 2380. In primary forests at low altitudes. *Distrib.* Endemic. *Nat. name:* "kasimorok" (Palau).

Calophyllum Inophyllum LINN. Sp. Pl. (1753) 329; VOLKENS l. c. 469; LAUTERB. l. c. 19; KANEHIRA l. c. 329, Fl. Micr. 234, f. 106.

Yap 71; Palau 557; Saipan 1081, 2248; Truk 1282. In forests along the seashore. *Distrib.* India and Malaya to tropical Africa. *Nat. names:* "aptakas" (Palau), "biotu" (Yap), "darwukk" (Saipan); "daok" (Rota), "legitu" (Truk), "isyô" (Ponape), "eet" (Kusai). *Jap. name:* Yarobo.

Calophyllum Wakamatsui KANEHIRA in Bot. Mag. Tokyo **48** (1934) 401.

Palau Aimiriik 2326, 2343! 2767; ? Saipan 2247. In primary forests at about 200 m altitude. *Distrib.* Endemic.

Garcinia LINNAEUS

Garcinia mangostana LINN. Sp. Pl. (1753) 635.

Ponape: Kolonia Botanical Garden 1589. Planted for edible fruits. *Distrib.* A native of Malaya. The mangosteen.

Garcinia Matudai KANEHIRA Fl. Micr. 235, f. 107, nom. seminud. et in Bot. Mag. Tokyo **47** (1933) 675.

The type from Babeldaob Palau. In primary forests at about 100 m altitude. Palau 408, 1966! 2105 2041, 2286. *Distrib.* Endemic.

Garcinia ponapensis LAUTERB. in ENGL. Bot. Jahrb. **59** (1924) 20; KANEHIRA l. c. 329, Fl. Micr. 237, f. 108.

Ponape: Kolonia 637, 653, 1479, Parkier 1495, Nânaraut-zan 1664. In primary forests from low to high altitudes. *Distrib.* Endemic. *Nat. name:* "nigenpiri" (Ponape).

Garcinia rumiyo KANEHIRA in Bot. Mag. Tokyo **45** (1931) 329, Fl. Micr. 238, f. 109.

Yap 1107, 1153! 1229; Palau 350, 1890, 2429. In primary forests at low altitudes. *Distrib.* Endemic. *Nat. name:* "rumiyo" (Yap).

Garcinia trukensis KANEHIRA l. c. **46** (1932) 488, Fl. Micr. 239, f. 110.

The type from Tol, Truk 1269! In dense primary forests at the top of the island. *Distrib.* Endemic.

Ochrocarpus THOUARS

Ochrocarpus excelsus (ZOLL. et MORITZI) VESQUE in DC. Monog. Phan. **8** (1893) 525; MERR. l. c. 115; LAUTERB. in ENGL. l. c. **59** (1924) 19; KANEHIRA l. c. 330, Fl. Micr. 240, f. 111.

Calophyllum excelsum ZOLL. et MORITZI Nat. Geneesk. Arch. Néerl. Ind. **2** (1845) 582.

Ochrocarpus obovatus SAFFORD in Contrb. U. S. Nat. Herb. **9** (1905) 335, t. 59.

Tinian 1062; 1066, 2278; Truk Udot 1281; Kusai 1461; Ponape 1533. In damp primary forests at low altitudes, also in thickets along the seashore. *Distrib.* Java, Christmas Islands and Borneo to New Guinea, Fiji and the Admiralty Islands. *Nat. names:* "chopak" (Saipan), "ogoldveesak" (Palau), "lues" (Kusai), "luas" (Ponape), "oyag" (Truk).

Pentaphalangium WARBURG

Pentaphalangium carolinense LAUTERB. in ENGL. Bot. Jahrb. **59** (1924) 21, f. A-G; KANEHIRA Fl. Micr. (1933) 241, f. 112.

Truk, Moen 1704, 1706, Fefan 1727. In primary forests at medium altitudes. *Distrib.* Known only from Truk. *Nat. name:* "mâren" (Truk).

Pentaphalangium Volkensii LAUTERB. l. c. 22, f. 1, H-L; KANEHIRA l. c. 330, Fl. Micr. 242, f. 113.

Yap 1173, 1174, 1238. In thickets and ravines at low altitudes. *Distrib.* Endemic.

Bixaceae

Bixa LINNAEUS

Bixa Orellana LINN. Sp. Pl. (1753) 512; MERR. l. c. 115.

Ponape, Kolonia 1683. Planted in the Experiment Station. *Distrib.* A native of tropical America, now found in all tropical countries. Annatto.

Violaceae**Rinorea** AUBLET

Rinorea carolinensis KANEHIRA in Bot. Mag. Tokyo **48** (1934) 921. f. 8.

Palau, Korrör, a coral island 1896, 2782! In primary forests. *Distrib.* Endemic.

Flacourtiaceae**Casearia** JACQUIN

Casearia cauliflora VOLKENS in ENGL. Bot. Jahrb. **31** (1901) 469; KANEHIRA l. c. 330, Fl. Micr. (1933) 244, f. 114.

Palau: Korrör 362, a coral island 2006, 2467, Aimiriik 2302, 2310, Garamiscan 2110. Marikyoku 434, Aimiyon 512. In thickets and forests along the seashore. *Distrib.* Endemic. The type from Yap.

Flacourtia L'HERTIER

Flacourtia inermis ROXB. Fl. Ind. ed. 2, **3** (1932) 833; KANEHIRA l. c. 331.

Palau Aimiriik 288. *Distrib.* Moluccas.

Flacourtia rukam ZOLL. et MORITZI Syst. Verz. (1854) 32; KANEHIRA l. c. 331.

Palau: Korrör 343, a coral island 352, 1910, 2018, 2454, Peliliu 2432; Truk Tol 1294; Ponape Kity 1542. In forests from low to medium altitudes. *Distrib.* Malay Peninsula and Archipelago.

Hydnocarpus GAERTNER

Hydnocarpus anthelmintica PIERRE ex LANESS. Pl. Colon. Franç. (1886) 303.

Ponape Kolonia 1585. Planted in the Experiment Station, Kolonia. *Distrib.* Cochinchina. Fruits used for curing leprosy.

Pangium REINWARDT

Pangium edule REINW. ex BL. Cat. Gew. Buitenz. (1823) 112; VOLKENS l. c. 469; KANEHIRA l. c. 331, Fl. Micr. (1933) 246, f. 115.

Palau Korrör 163; Ponape Kolonia 709, 1623. In primary forests

near houses. *Distrib.* Malay Peninsula and Archipelago. *Nat. names:* "ariaml" (Palau), "drian" (Ponape). The fruits are eaten by the natives.

Xylosma FORSTER f.

Xylosma Nelsonii MERR. in Philip. Journ. Sci. **15** (1919) Bot. 543;
HOSOKAWA in Trans. Nat. Hist. Soc. Formos. **25** (1935) 33.
Flacourtia integrifolia MERR. in Philip. Journ. Sci. **9** (1914) Bot.
115, non *Xylosma integrifolium* CLOS.
The type from Guam; Rota, HOSOKAWA 7677. *Distrib.* Endemic.

Passifloraceae

Passiflora LINNAEUS

Passiflora foetida LINN. Sp. Pl. (1753) 959.
Ponape Kolonia 631; Saipan 958. Very common in thickets and
waste places. *Distrib.* Introduced from tropical America, now
pantropic.

Caricaceae

Carica LINNAEUS

Carica Papaya LINN. Sp. Pl. (1753) 1036; KANEHIRA l. c. 331.
Throughout the islands in cultivation and semicultivation. *Distrib.*
Introduced from tropical America, now pantropic. Papaya.

Thymelaeaceae

Phaleria JACK

Phaleria Nisidai KANEHIRA Fl. Micr. 248, f. 116 nom. seminud.,
et in Bot. Mag. Tokyo **47** (1933) 675.
Phaleria Cumingii (MEISN.) (non. F.-VILL.) KANEHIRA l. c. 331.
The type from Palau 2128! Palau 388, 412, 521, 1879, 2297, 2445.
In primary forests. *Distrib.* Endemic. *Nat. name:* "ongael"
(Palau).

Wikstroemia ENDLICHER

Wikstroemia elliptica MERR. in Philip. Journ. Sci. **9** (1914) Bot.
116; KANEHIRA l. c. **45** (1931) 331.
Palau 193, 335, 411, 2050, 2465, 2774; Saipan 2254; Rota 1747. In

thickets and forests. *Distrib.* The type from Guam. *Nat. name*: "tobudol" or "rao" (Palau). The bark very fibrous, and used for making paper.

Lythraceae

Lagerstroemia LINNAEUS

Lagerstroemia indica LINN. Syst. ed. 10 (1759) 1076; MERR. l. c. 117.

Guam. *Distrib.* A native of tropical Asia, now cultivated in all warm countries. *Jap. name*: Sarusuberi.

Lawsonia LINNAEUS

Lawsonia inermis LINN. Sp. Pl. (1753) 349; MERR. l. c. 117.

Guam; Aramagan 2191. *Distrib.* A native of Africa or India, now cultivated in all warm countries. Henna. *Jap. name*: Sikôkwa.

Pemphis FORSTER

Pemphis acidula FORST. Char. Gen. (1776) 68, t. 34; KANEHIRA l. c. 331.

Tinian 60, Palau Korrer 98; Ponape Metaranium 859; Saipan 1015. In forests along the seashore. *Distrib.* Tropical East Africa and tropical Asia to tropical Australia. *Nat. name*: "nigasi" (Saipan), "kasugel" (Kusai). *Jap. name*: Midu-gampi.

Sonneratiaceae

Sonneratia LINNAEUS f.

Sonneratia caseolaris (LINN.) ENGL. in ENGL. & PRANTL Nat. Pflanzenf. Nachtr. 1 (1897) 261; KANEHIRA Fl. Micr. (1933) 251, f. 117.

Rhizophora caseolaris LINN. in Stickm Herb. Amb. (1754) 13.

Sonneratia acida (non LINN. f.) VOLKENS l. c. 470; KANEHIRA l. c. 54 (1931) 332.

Yap 74, 1240, 1240; Palau: Korrer 107, Arumonogui 2119. A mangrove tree. *Distrib.* India through Malaya to the Molucas. *Nat. names*: "abruk" (Yap), "kwat" (Ponape), "abrul" (Palau), "sales" or "salas" (Truk).

Punicaceae

Punica LINNAEUS

- Punica Granatum** LINN. Sp. Pl. (1753) 472; VOLKENS l. c. 470; MERR. l. c. 118.
Guam; Yap; Saipan 2217. *Distrib.* A native of southeastern Asia, now introduced in all tropical countries. Pomegranate. *Jap. name*: Zakuro.

Lecythidaceae

Barringtonia FORSTER

- Barringtonia asiatica** (LINN.) KURZ in Journ. As. Soc. Beng. **44**, 2 (1876) 131; KANEHIRA l. c. **45** (1931) 332.
Mammeaea asiatica LINN. Sp. Pl. (1753) 512.
Barringtonia speciosa FORST. Char. Gen. (1776) 76, t. 38, f. A-C; DC. Prodr. **3** (1828) 288.
Angaur 595; Saipan 1014; Kusai 1414. A strand plant; along the seashore throughout the islands. *Distrib.* Tropical Asia to Polynesia. *Nat. names*: "kun" (Truk), "puutin" (Saipan), "azan" (Truk), "poasi-poasi" (Kusai). *Jap. name*: Gobannoasi.
Barringtonia racemosa (LINN.) BL. ex DC. Prodr. **3** (1828) 286; VOLKENS l. c. 470; LAUTERB. l. c. **56** (1921) 527; KANEHIRA l. c. 332.
Eugenia racemosa LINN. Sp. Pl. (1753) 471.
Palau: Korrer 167, 2076, Marikyoku 441, Aimiriik 2292, 2357; Ponape: Kolonia 696, Niinoani-zan 842; Yap 1138; Kusai 1305. In thickets along the seashore sometimes in forests at medium altitudes. *Distrib.* India to Formosa and Malaya. *Nat. names*: "waso" (Yap), "we" (Ponape), "son" (Truk), "kaengal" (Kusai). "goragas" (Palau). *Jap. name*: Sagaribana.

Rhizophoraceae

Bruguiera LAMARCK

- Bruguiera conjugata** (LINN.) MERR. in Philip. Journ. Sci. **9** (1914) Bot. 118; KANEHIRA l. c. **45** (1931) 332, Fl. Micr. (1934) 253, f. 118.
Rhizophora conjugata LINN. Sp. Pl. (1753) 443, non aliorum.
Bruguiera gymnorrhiza LAM. Ill. **2** (1797) t. 397, Encycl. **4** (1798) 696; VOLKENS l. c. 470.
Yap 73; Palau: Koror 242, Garamiscan 559. In mangrove swamps.

Distrib. Tropical Asia and Africa through Malaya to tropical Australia. *Nat. name:* "rokk" (Yap), "lôm" (Ponape), "on" (Truk), "kadeges" or "adeges" (Palau), "alol" (Kusai). *Jap. name:* Benigaku-hirugi.

Ceriops ARNOTT

Ceriops Roxburghiana ARN. in Ann. Nat. Hist. **1** (1839) 363; KANEHIRA l. c. **45** (1931) 332, Fl. Micr. (1933) 255, f. 119.

Ceriops Candolleana (non ARN.) VOLKENS l. c. 470.

Palau: Aimiriik 317, 2117; Yap (VOLKENS). In magrove swamps.

Distrib. India to Malaya. *Nat. name:* "biut" (Palau). *Jap. name:* Kohirugi.

Gynotroches BLUME

Gynotroches axillaris BL. Mus. Bot. Lugd.-Bat. **1** (1849) 127, t. 31; KANEHIRA l. c. 333, Fl. Micr. 256, f. 120.

Ponape: Niinoani-zan 832, Kolonia 1481, Nānaraut-zan 1601, 1602, 1632. In primary forests from low to higher altitudes. *Distrib.* Malay Peninsula, Philippines, Sumatra, Java and Borneo. *Nat. name:* "pef" (Ponape).

Rhizophora LINNAEUS

Rhizophora apiculata BL. Enum. Pl. Jav. **1** (1827) 91, KANEHIRA Fl. Micr. (1933) 357, f. 121.

Rhizophora Candelaria DC. Prodr. **3** (1828) 32; KANEHIRA l. c. 333.

Rhizophora conjugata DC. Prodr. **3** (1828) 33; VOLKENS l. c. 470.

Palau: Aimiriik 319, Garamiscan 548; Ponape 772; Yap 1248. In mangrove swamps. *Distrib.* Tropical shores of the Old World. *Nat. names:* "apgal" (Palau), "aak" (Ponape). *Jap. name:* Hutabana-hirugi.

Rhizophora mucronata LAM. Encycl. **6** (1804) 189; DC. Prodr. **3** (1828) 32; VOLKENS l. c. 470; KANEHIRA l. c. 333, Fl. Micr. 257, f. 122.

Palau: Garamiscan 547, 929, Ogiwal 2062; Ponape 772; Yap 1248. In mangrove swamps. *Distrib.* Tropical shores of the Old World. *Nat. names:* "aak" (Ponape), "tia" (Truk). *Jap. name:* Ooba-hirugi.

Combretaceae

Combretum LINNAEUS

Combretum tetralophum C. B. CLARKE in HOOK. f. Fl. Brit. Ind. **2** (1878) 454; KANEHIRA, Fl. Micr. (1933) 260, f. 123.
Palau Marikyoku 2046. In strand forests. *Distrib.* Borneo, Siam. to Malacca.

Lumnitzera WILLDENOW

Lumnitzera littorea (JACK) VOIGT, Hort. Suburb. Calcut. (1845) 39; KANEHIRA l. c. **45** (1931) 333, Fl. Micr. (1933) 261, f. 124.
Pyrranthus littoreus JACK in Malay Miscel. **2**, 7 (1822) 57.
Lumnitzera purpurea PRESL, Repert. **1** (1834) 155; VOLKENS l. c. 471.
Palau: Korrör 160, Pelilieu 2438, Aimiriik 316; Yap 1203. In mangrove swamps. *Distrib.* India through Malaya to Australia and Polynesia. *Nat. name*: "e" (Yap), "ci" (Kusai). *Jap. name*: Benibana-hirugi.

Terminalia LINNAEUS

Terminalia carolinensis KANEHIRA in Bot. Mag. Tokyo **46** (1932) 672, Fl. Micr. 262, f. 125.
Kusai 1312, 1364, 1406; Ponape Kolonia 1536, Metaranium 1696, Kity 1570. Very common in primary forests at low altitudes in Kusai island and also found in wet jungles at low altitudes in Ponape. *Distrib.* Endemic. *Nat. names*: "Kâ" (Kusai), "Keima" (Ponape).
Terminalia Catappa LINN. Mant. **1** (1767) 128; VOLKENS l. c. 471; KANEHIRA l. c. 333.
Palau: Korrör 169, 179, 2017; Saipan 901; Tinian 1064; Ponape Kolonia 1568; Rota 1802. In forests along the seashore. *Distrib.* Old World Tropics. *Nat. names*: "talisi" (Saipan and Rota), "ker" (Yap), "sarf" (Kusai). *Jap. name*: Tamana.
Terminalia Saffordii MERR. in Philip. Journ. Sci. **9** (1914) Bot. 119. HOSOKAWA in Trans. Nat. Hist. Soc. Formos. **25** (1935) 33.
The type from Guam. Rota HOSOKAWA 7590. *Distrib.* Endemic.

Myrtaceae

Bertholletia HUMBOLDT et BONPLAND

Bertholletia excelsa HUMB. et BONPL. Aequin. **1** (1808) 122, t. 36.
Ponape Kolonia 1593. Planted in the Experiment Station, Kolonia.
Distrib. Brazil. Brazil nut.

Decaspermum FORSTER

Decaspermum fruticosum FORST. Char. Gen. (1776) 74, t. 37;
KANEHIRA l. c. **45** (1931) 333.

Decaspermum paniculatum KURZ in Journ. As. Soc. Beng. **64**, 2
(1877) 61; VOLKENS l. c. 470; Diels in ENGL. Bot. Jahrb. **56**
(1921) 530.

Palau: Korrer 123, 148, Armain 474, Aimiriik 1937; Yap 1110. In
thickets and secondary forests. *Distrib.* India and China
through Malaya to tropical Australia. *Nat. name*: "kerdak"
(Palau). *Jap. name*: Moti-adeku.

Decaspermum Raymundi DIELS l. c. **56** (1921) 530; KANEHIRA l. c.
334, Fl. Micr. 266, f. 127.

Palau: Aimiriik 1961, 2282, Garamiscan 2096, Korrer 2079, Mari-
kyoku 402, 2042. In thickets and primary forests. *Distrib.*
The type from Palau. *Distrib.* Endemic. *Nat. name*: "caltaccoo"
(Palau).

Eugenia MICHELI

Eugenia aquea BURM. f. Fl. Ind. (1768) 114; MERR. Interpret Herb.
Amb. (1917) 393.

Jambosa aquea RUMPH. Herb. Amb. (1741) 126, t. 38, f. 2; DIELS
in ENGL. l. c. **56** (1921) 532.

Palau Babeldaob (LEDERMANN), Korrer (RAYMUND). Planted. *Distrib.*
Widely distributed in Malaya.

Eugenia carolinensis KOIDZ. in Bot. Mag. Tokyo **30** (1916) 402;
KANEHIRA l. c. 334, Fl. Micr. 267, f. 128.

Syzygium ponapense DIELS in ENGL. l. c. **56** (1921) 533.

Ponape Kolonia 633, 657, 711, 1473. In primary forests at low
altitudes. *Distrib.* The type from Ponape, endemic. *Nat. name*:
"kchnpapp" (Ponape).

Eugenia cumini (LINN.) DRUCE Bot. Exch. Club (1914) 418; MERR.
Interpret. Herb. Amb. (1917) 394, Sp. Blancoanae (1918) 288;
KANEHIRA l. c. 335.

Myrtus cumini LINN. Sp. Pl. (1753) 471.

Eugenia jambolana LAM. Encycl. **3** (1789) 198; MERR. Fl. Manila
(1912) 352.

Palau: Armatin 472, Marikyoku 404, a coral island 2456, Aimiriik

1916, 2750. Spontaneously found in thickets and forests at low altitudes. *Distrib.* Indo-Malayan generally, introduced in other countries. *Nat. names:* "mesigerak" (Palau).

Eugenia jambos LINN. Sp. Pl. (1753) 470.

Jambos vulgaris DC. Prodr. **3** (1828) 286; DIELS l. c. 532.

Ponape Jokazi (GIBBON). *Distrib.* Indo-Malayan generally; cultivated in other tropical countries.

Eugenia javanica LAM. Encycl. **3** (1789) 200; MERR. l. c. 120; KANEHIRA l. c. 334.

Palau: Korrer 164, 2073, Airai 2385, a coral island 2459; Yap 1133.

Distrib. A native of Malaya, now cultivated in all tropical countries. *Nat. name:* "arbottle" (Palau). *Jap. name:* Renmu.

Eugenia malaccensis DC. Prodr. **3** (1828) 286; VOLKENS l. c. 470; DIELS l. c. 532.

Ponape Kolonia 693. Planted along roads. *Distrib.* Indo-Malaya, now planted in most tropical countries. *Nat. Name:* "apel" (Ponape).

Eugenia palauensis KANEHIRA in Bot. Mag. Tokyo **45** (1931) 335, Fl. Micr. 279, f. 129.

Palau, Korrer, a coral island 351! 1895, 2470. In primary forests. *Distrib.* Endemic.

Eugenia palumbis MERR. in Philip. Journ. Sci. **9** (1914) Bot. 122; KANEHIRA l. c. 334, Fl. Micr. 271, f. 130.

Jossinia palumbis DIELS l. c. 531.

Saipan 9, 885, 2222; Tinian 57, 1068; Rota 1782. In thickets and forests from low to medium altitudes. The type from Guam.

Distrib. Endemic. *Nat. name:* "agatehlan" (Saipan).

Eugenia Reinwardtiana DC. Prodr. **3** (1828) 267; KANEHIRA l. c. **45** (1931) 334, Fl. Micr. 271, f. 131.

Jossinia Reinwardtiana BL. Mus. Lugd.-Bat. **1** (1849) 120; DIELS l. c. 531.

Eugenia Costenoblei MERR. l. c. 123.

Palau Korrer 77, a coral island 366, 1912, 1999, 2393; Yap 1178, 1226; Truk Tol 1280.

In thickets along the seashore. *Distrib.* Moluccas. *Nat. names:* "agaseel" (Palau), "alfanispan" (forest apple) (Yap).

Eugenia stelechantha (DIELS) KANEHIRA l. c. 334, Fl. Micr. 273, f. 132.

Jambosa stelechantha DIELS l. c. 533.

Ponape: Kolonia 626, Kity 1530, 1547, Nānaraut-zan 1621, 1652; Truk Tol: 1296, Moen 1700. In primary forests from low to medium altitudes. *Distrib.* Endemic, the type from Ponape. *Nat. names*: "kahkarak" (Ponape), "attieu" (Truk).

Eugenia stelechanthoides KANEHIRA in Bot. Mag. Tokyo **46** (1932) 669.

Kusai 1318, 1348! 1431! In forests from low to medium altitudes. The tree is very common in Kusai, often occurring in groups. *Distrib.* Endemic. *Nat. name*: "neis" (Kusai).

Eugenia Suzuii KANEHIRA l. c. 335, Fl. Micr. 274, f. 133.

Palau Korrer 361! In primary forests in a small island near Korrer. *Distrib.* Endemic.

Eugenia Thompsonii MERR. in Philip. Journ. Sci. **9** (1914) Bot. 121; KANEHIRA l. c. 335, Fl. Micr. 275, f. 134.

Saipan 36, 927, 974; Rota 1767, 1804. *Distrib.* Endemic, the type from Guam. *Nat. name*: "atoto" (Saipan).

Eugenia uniflora LINN. Sp. Pl. (1753) 470; DIELS l. c. 532.

Eugenia decidua MERR. l. c. 121.

Guam. *Distrib.* A native of tropical America.

Myrtella F. von MUELLER

Myrtella Bennigseniana (VOLKENS) DIELS. in ENGL. l. c. **56** (1921) 529; KANEHIRA l. c. **45** (1931) 336, Fl. Micr. 276, f. 135.

Saffordiella Bennigseniana MERR. l. c. 124.

Yap 1155, 1182. In thickets at low altitudes. *Distrib.* The type from Guam, endemic.

Psidium LINNAEUS

Psidium Guajava LINN. Sp. Pl. (1753) 470; MERR. l. c. 124; DIELS l. c. **56** (1921) 529; KANEHIRA l. c. **45** (1931) 336.

Ponape: Metaranium 781, Kolonia 1690. *Distrib.* Introduced from tropical America, thoroughly naturalized, pantropic. Guava.

Melastomataceae**Astronidium** A. GRAY

Astronidium carolinense (KANEH.) MGF. in Notizb. Bot. Gart. u. Mus. Berlin-Dahl. **12** (1934) 49.

Astronia carolinensis KANEHIRA in Bot. Mag. Tokyo **46** (1932) 488, Fl. Micr. 278, f. 136.

Truk Tol, 1266, 1287!; Kusai 1380. The type from Truk. In primary forests at the top of the islands. *Distrib.* Endemic.

Astronidium palauense (KANEH.) MGF. l. c. 49.

Astronia palauensis KANEHIRA in Bot. Mag. Tokyo **45** (1931) 337, Fl. Micr. 279, f. 137.

Palau: Aimiriik 273, 1938, 2354, Aimiyon 503! In primary forests at low altitudes. *Distrib.* Endemic. *Nat. name:* "mesgui" or "meskui" (Palau).

Astronidium ponapense (KANEH.) MGF. l. c. 49.

Astronia ponapensis KANEHIRA l. c. 337, Fl. Micr. 280, f. 138.

Ponape: Niinoani-zan 796!, Nânaraut-zan 1603, 1655. In primary forests at about 300-700 m altitudes. *Distrib.* Endemic.

Medinilla GAUDICHAUD

Medinilla Blumeana MANSFELD in ENGL. Bot. Jahrb. **63** (1930) 277; KANEHIRA l. c. **45** (1931) 336, Fl. Micr. 282, f. 139.

Palau: Aimiyon 487, Arumonogui 2089. An epiphyte climber in damp primary forests at low altitudes. *Distrib.* The type from Palau, endemic.

Medinilla diversifolia KANEHIRA in Bot. Mag. Tokyo **46** (1932) 670, Fl. Micr. 283, f. 140.

The type from Kusai. No. 1371! *Distrib.* Endemic.

Medinilla rosea GAUDICH. Bot. Freyc. Voy. (1826) 484, t. 106; MERR. l. c. 125; HOSOKAWA in Trans. Nat. Hist. Soc. Formos. **25** (1935) 33.

Guam., Saligan HOSOKAWA 7866. *Distrib.* The type from Guam, endemic.

Melastoma BURMAN

Melastoma marianum NAUDIN in Ann. Sci. Nat. **3**, 13 (1849) 276;
MERR. l. c. 125; KANEHIRA l. c. 284, f. 141.

Melastoma polyantha (non BL.) VOLKENS l. c. 471.

Palau: Korrör 89, 192, Aimirrik 304, 2320; Ponape: Kolonia 665, 701, 1471, Sankaku-yama 765, Nânaraut-zan 1629; Yap 1112; Kusai 1387, 1424; Aramagan 2188. In thickets, open grasslands and secondary forests from low to medium altitudes. *Distrib.* The type from Guam; Caroline and Marainne Islands. *Nat. names:* "mattagui, matakui" (Palau), "waragu" (Yap), "kisikimey" (Ponape).

Oenotheraceae**Jussiaea** LINNAEUS

Jussiaea erecta LINN. Sp. Pl. (1753) 388.

Jussiaea suffruticosa MIQ. Fl. Ind. **1**, 1 (1856) 628; VOLKENS l. c. 471.

Palau: Korrör 210, Marikyoku 2030; Truk Dublon 609, Ponape Kolonia 689; Saipan 1001. In open damp places. *Distrib.* Pantropic. *Jap. name:* Kidati-kinbai.

Jussiaea linifolia VAHL, Ecolog. Amer. **2** (1789) 32; MERR. l. c. 125. Guam. *Distrib.* Pantropic.

Halorrhagidaceae**Halorrhagis** FORSTER

Halorrhagis scabra (KOENIG) BENTH. Fl. Hongk. (1861) 139 var. *elongata* SCHINDL. in ENGL. Pflanzenr. **23** (1905) 29; MERR. in Philip. Journ. Sci. **1** (1906) Suppl. 216.

Halorrhagis tetragyna (non R. BR.) VOLKENS l. c. 471.

Palau: Korrör 203, Marikyoku 423; Yap 1137. In open waste places. *Distrib.* India (the species), southern China, Tonkin, Philippines and Borneo (the variety).

Araliaceae**Boerlagiodendron** HARMS

Boerlagiodendron mariannense KANEHIRA Fl. Micr. (1933) 288, f. 144, nom. seminud., et in Bot. Mag. **67** (1933) 676.

Rota 1773, 1784! 1803. In dense primary forests at altitude about 400 m. *Distrib.* Endemic.

Boerlagiodendron pachyphyllum KANEHIRA in Bot. Mag. Tokyo **48** (1934) 401, f. 1.

Palau: Aimiriik 2301, 2304, 2311, 2452. In wet dense primary forests at 100 to 150 m altitudes and observed only near Aimiriik, a village in the southern part of the main island of Palau. *Distrib.* Endemic.

Boerlagiodendron pulcherrimum (VIDAL) HARMS in ENGL. & PRANTL Nat. Pflanzenf. **3**, 8 (1904) 32; MERR. in Philip. Journ. Sci. **3** (1906) Bot. 254; KANEHIRA l. c. **45** (1931) 338, Fl. Micr. 285, f. 142, 143.

Osmoxylon pulcherrimum VIDAL ex F.-VILL. Novis App. (1880) 102. Palau: Korrör 129, 1853; Marikyoku 2057; Ogiwal 2065, 2066. In damp primary forests along the seashore. *Distrib.* Philippines. *Nat. name*: "kasiaml."

Boerlagiodendron truncatum KANEHIRA in Bot. Mag. **48** (1934) 403, f. 2.

Palau Aimiriik 2364. I saw only a single tree in primary forests at about 200 m altitudes.

Meryta FORSTER

Meryta Senffiana VOLKENS in ENGL. l. c. **31** (1901) 471. t. 14; KANEHIRA l. c. **45** (1931) 338, Fl. Micr. 290, f. 145.

Palau: Korrör 358, a coral island 232, 2013, 2446; Saipan 981, 2234; Yap 1211. In primary forests at low altitudes. *Distrib.* The type from Yap, endemic. The sterile specimens from Kusai (1382), and Ponape (1545, 1656) may belong to this species.

Nothopanax MIQUEL

Nothopanax fruticosum (LINN.) MIQ. Fl. Ind. Bat. **1**, 1 (1856) 765; KANEHIRA l. c. **45** (1931) 338.

Panax fruticosum LINN. Sp. Pl. ed. 2 (1763) 1513.

Ponape Kolonia 868, 869. Planted. *Distrib.* Probably of Malayan origin, now planted in most or all tropical countries.

Nothopanax scutellarium (BURM. f.) MERR. Interpret. Herb. Amb. (1917) 409; KANEHIRA l. c. 338.

Crassula scutellaria BURM. f. Fl. Ind. (1768) 78.

Ponape Kolonia 866. Planted. *Distrib.* Probably of Malayan origin.

- Nothopanax trichochleatum** MIQ. Fl. Ind. Bat. Suppl. (1862) 340;
KANEHIRA l. c. 338.
Ponape: Kolonia 868. Planted. *Distrib.* A native of Malaya, now
widely planted.

Polyscias FORSTER

- Polyscias grandifolia** VOLKENS l. c. 471; MERR. l. c. 125; KANEHIRA l. c. 338, Fl. Micr. 292, f. 146.
Palau: Korrör 459, a coral island 221, 2442, Airai 2381, New Gaspan 2122, Tôdai-yama 1868, Aimiriik 1939; Saipan 967, 2231; Tinian 1049; Rota 1766, 1810; Saligan 2162; Yap 1105, 1193. In forests along the seashore. *Distrib.* The type from Yap, endemic. *Nat. name*: "yabonnogabatyai" (foreign tree) (Yap), "pegea (Rota), "pgai" (Palau).
Polyscias subcapitata KANEHIRA in Bot. Mag. Tokyo 46 (1932) 673, Fl. Micr. 294, f. 147.
Kusai 1327! 1334, 1368, 1402. In primary forests at medium altitudes. *Distrib.* Endemic.

Schefflera FORSTER

- Schefflera odorata** (BLANCO) MERR. et ROLFE in Philip. Journ. Sci. 3 (1908) Bot. 117; KANEHIRA l. c. 338, Fl. Micr. 297, f. 149.
Polyscias odorata BLANCO Fl. Filip. (1837) 225.
Palau: Korrör 83, 368, Garamiscan 545, Aimiriik 1951, 2349. In forests and thickets near the villages. An epiphytic climber. *Distrib.* Philippines. *Nat. name*: "bugalwao" or "bungaloan" (Palau).
Schefflera pachyclada KANEHIRA in Bot. Mag. Tokyo 46 (1932) 670, Fl. Micr. 294, f. 148.
Truk Tol 1272. In primary forests at medium altitudes. *Distrib.* Endemic.

Umbelliferae

Centella LINNAEUS

- Centella asiatica** (LINN.) URBAN in MART. Fl. Bras. 2, 1 (1879) 287; VOLKENS l. c. 472; MERR. l. c. 126.
Hydrocotyle asiatica LINN. Sp. Pl. (1753) 234.

Palau Korrer 206; Yap (VOLKENS); Guam. In open damp grasslands. *Distrib.* Pantropic. *Jap. name:* Tubo-kusa.

Epacridaceae

Cyathodes LABILLARDIÈRE

Cyathodes mariannensis KANEHIRA in Bot. Mag. Tokyo **48** (1934) 734. f. 5.

Aramagan, Marianne Islands 2182! In mossy thickets and in open places near the old crater, ascending to an altitude of about 700 m. *Distrib.* Endemic.

Myrsinaceae

Discocalyx MEZ

Discocalyx ladronica MEZ in ENGL. Pflanzenr. **9** (1902) 214. Marianne Islands. The exact locality not mentioned, collected by GAUDUCHAUD. *Distrib.* Endemic.

Discocalyx macrophylla MEZ in ENGL. Bot. Jahrb. **56** (1921) 537. The type from Ngarusul, Palau (LEDERMANN). Palau: New Gaspan 2123, a coral island, Korrer 1900. *Distrib.* Endemic.

Discocalyx megacarpa MERR. in Philip. Journ. Sci. **9** (1914) Bot. 126; KANEHIRA l. c. 339.

Saipan 24, 924, 942, 2233; Rota 1764, 1779. In primary forests at medium altitudes. *Distrib.* The type from Guam, endemic.

Discocalyx ponapensis MEZ in ENGL. l. c. 536; KANEHIRA l. c. 339. Ponape: Kolonia 646, Parkier 1485, Kity 1526, 1531, Nanaraut-zan 1607, 1625, 1659, 1660. In primary forests at low and medium altitudes. *Distrib.* The type from Ponape, endemic. *Nat. name:* "kachiel," "kraknowol" (Ponape).

Embelia BURMAN f.

Embelia palauensis MEZ in ENGL. l. c. **56** (1921) 537. Palau, a coral island (LEDERMANN) Truk Tol (LEDERMANN). *Distrib.* Endemic.

Maesa FORSKÅL

Maesa carolinensis MEZ in ENGL. l. c. **56** (1921) 535; KANEHIRA Fl. Micr. 299, f. 150.

Ponape: Kolonia 641, Sankaku-yama 751, Niinoani-zan 837, Kity 1557, Nānaraut-zan 1633, 1634, 1666; Truk: Dublon 613, Tol 1295; Kusai 1359. In primary forests and thickets from low to medium altitudes. *Distrib.* The type from Ponape and Truk; endemic.

Maesa palauensis MEZ in ENGL. l. c. 536; KANEHIRA l. c. 45 (1931) 339.

Palau: a coral island 236, 2457, Korrer 370, Tōdai-yama 1869, Pelieu 2416. In forests at low altitudes. *Distrib.* The type from Palau, endemic.

Rapanea AUBLET

Rapanea carolinensis MEZ in ENGL. Bot. Jahrb. 56 (1921) 538; KANEHIRA Fl. Micr. 301, f. 151.

Ponape: Tortom-zan 1566, Nānaraut-zan 1639. In forests at higher altitudes. *Distrib.* The type from Ponape, endemic.

Rapanea Ledermanni MEZ in ENGL. l. c. 538.

Ponape, Monte Santo (LEDERMANN). *Distrib.* The type from Ponape, endemic. This is probably the same to the preceding species.

Rapanea palauensis MEZ in ENGL. l. c. 539; KANEHIRA l. c. 45 (1931) 339, Fl. Micr. 301, f. 152.

Palau: Aimiriik 277, 2299, Airai 2379, Marikyoku 439, 2040, 2052. In thickets and forests at low altitudes. *Distrib.* The type from Palau, endemic.

Primulaceae

Lysimachia TOURNEFORT

Lysimachia mauritiana LAM. Encycl. 3 (1789) 592; PAX et KNUTH in ENGL. Pflanzenr. 22 (1905) 273; HOSOKAWA in Trans. Nat. Hist. Soc. Formos. 25 (1935) 34.

Marianne Islands, collected by GAUDICHAUD. Pagan HOSOKAWA 7972. *Distrib.* Mauritius, India, Japan, Formosa, New Caledonia to Hawaii. *Jap. name:* Hamabossu.

Sapotaceae

Achras LINNAEUS

Achras Zapota LINN. Sp. Pl. (1753) 1190.

Achras sapota LINN. Sp. Pl. ed. 2 (1762) 470.
Ponape 1577. Introduced. The Sapodilla. *Distrib.* A native of tropical America. Tropics generally in cultivation.

Manilkara ADANSON

Manilkara udoido KANEHIRA Fl. Micr. 304, f. 155 nom, seminud., et in Bot. Mag. Tokyo **47** (1932) 677.
Palau Aimiriik 1925, 2129! 2324, 2776. The tree is very abundant near Aimiriik, a village in the southern part of the main island of Palau but has been found nowhere else. *Distrib.* Endemic. *Nat. name*: "udoido."

Northiopsis KANEHIRA

Northiopsis Hoshinoi KANEHIRA Fl. Micr. 302, f. 152.
Northia Hoshinoi KANEHIRA Fl. Micr. 302, f. 152, nom. seminud. et in Bot. Mag. Tokyo **47** (1933) 677.
Ponape Kolonia 695, 1265! 1572, 2138. In thickets and forests along the road between Kolonia and Owa. The tree is scattered near Kolonia but found nowhere else. *Distrib.* Endemic. *Nat. name*: "kohle" (Ponape).

Palaquium BLANCO

Palaquium karrak KANEHIRA in Bot. Mag. Tokyo **45** (1931) 339, Fl. Micr. 304, f. 153.
Ponape: Niinoani-zan 794!, Kolonia 1478, Parkier 1508, Nanpier 1669. In primary forests from low to higher altitudes. *Distrib.* Endemic. *Nat. name*: "Karrak" (Ponape).

Sideroxylon DILLENIUS

Sideroxylon glomeratum VOLKENS in ENGL. I. c. **31** (1901) 472; MERR. I. c. 127; KANEHIRA I. c. 339, Fl. Micr. 307, f. 155.
Saipan 11, 893, 996; Tinian 66, 2268; Rota 1777; Aramagan 2174; Yap 1225; Palau 100, 190, 2011, 2287, 2387, 2417, 2752. In thickets and forests at low altitudes. *Distrib.* The type from Yap; Marianne and Caroline Islands. *Nat. names*: "lalaha" (Saipan), "lala" (Rota).

Sideroxylon micronesicum KANEHIRA in Bot. Mag. Tokyo **46** (1932) 671, Fl. Micr. (1933) 308, f. 156.

Kusai 1322!, 1462!. In damp primary forests at medium and high altitudes. *Distrib.* Endemic. *Nat. name*: "sohs" (Kusai).

Ebenaceae

Diospyros LINNAEUS

Diospyros discolor WILLD. Sp. Pl. (1805) 1108; KANEHIRA l. c. **45** (1931) 340.

Palau: Korrör 182, Airai 2384, New Gaspan 2127. Planted. *Distrib.* Endemic in Philippines, introduced in various other tropical countries.

Maba FORSTER

Maba buxifolia (ROTTB.) PERS. Syn. **2** (1807) 606; VOLKENS l. c. 472; KANEHIRA l. c. 340.

Yap 1109, 1221, 1184. In thickets at low altitudes. *Distrib.* The type probably from India. Tropical Africa and Asia through Malaya to tropical Australia. *Jap. name*: Yayeyama-kokutan.

Maba palauensis KANEHIRA in Bot. Mag. Tokyo **48** (1934) 405.

Palau: Aimiriik, S. NISHIDA 2479! (flos), 2339! (fr.). Aimiyon 499, 506, 513, Garamiscan 556, 2095, Marikyoku 406, 2039, Aimiiriik 2339, may be referable to the present species. *Distrib.* Endemic.

Maba or Diospyros?

Palau 2460. In a coral island near Korrör. A glabrous form.

Symplocaceae

Symplocos JACQUIN

Symplocos palauensis KOIDZ. in Bot. Mag. Tokyo **30** (1916) 402; KANEHIRA l. c. **45** (1931) 340, Fl. Micr. (1933) 310, f. 157.

Symplocos chabdui BRAND in ENGL. Bot. Jahrb. **56** (1921) 558.

Palau Korrör 146, 162, 1926, 2321. In thickets and forests at low altitudes. *Distrib.* Endemic. *Nat. name*: "aputui" (Palau).

Oleaceae

Jasminum TOURNEFORT

Jasminum grandiflorum LINN. Sp. Pl. ed. 2 (1762) 9; MERR. l. c. 128.

Guam. *Distrib.* A native of India, now cultivated in most tropical countries.

Jasminum marianum DC. Prodr. **8** (1844) 357; MERR. l. c. 128; KANEHIRA l. c. 340.

Saipan 33, 891, 947, 2240; Tinian 63, 1053; Rota 1748. In thickets and forests from low to high altitudes. *Distrib.* The type from Guam, endemic. *Nat. name*: "sohs" (Rota).

Jasminum multiflorum (BURM. f.) ANDR. Bot. Repos. **8** (1799-1811) t. 496; KANEHIRA l. c. 341.

Nyctanthes multiflora BURM. f. Ind. Fl. (1768) 5, t. 3, f. 1.

Saipan 928. In thickets near houses. *Distrib.* A native of India, probably introduced.

Jasminum Sambac (LINN.) AIT. Hort. Kew **1** (1789) 8; MERR. l. c. 128.

Nyctanthes Sambac LINN. Sp. Pl. (1753) 6.

Kusai 1358. Planted. *Distrib.* A native of India, now cultivated in all tropical countries.

Linociera SWARTZ

Linociera sessiliflora HEMSL. in Ann. Bot. **5** (1891) 504; LINNINGSHEIM in ENGL. Bot. Jahrb. **63** (1930) 279; KANEHIRA l. c. 340, Fl. Micr. 312.

Linociera pallida SCHUM. in K. SCHUM. et LAUTERB. Fl. Schutzg. Südsee (1901) 497.

Palau Aimiriik 276, 2298, 2363. *Distrib.* The type from Solomon Islands, known from New Guinea.

Loganiaceae

Couthovia A. GRAY

Couthovia calophylla GILG et BENEDICT in ENGL. l. c. **56** (1921) 548, f. 2; KANEHIRA l. c. **45** (1931) 341, Fl. Micr. 313, f. 158

Palau Aimiriik 271, 1941, 2289. In dense primary forests, Aimiriik, Palau Islands. *Distrib.* The type from Palau, endemic. *Nat. name*: "alarm" (Palau).

Couthovia toua KANEHIRA in Bot. Mag. Tokyo **46** (1932) 490, Fl. Micr. 313, f. 159.

Kusai 1310!, 1391, 1405. In primary forests from low to medium altitudes. *Distrib.* Endemic. *Nat. name*: "toua" (Kusai).

Fagraea THUNBERG

Fagraea galilai GILG et BENEDICT in ENGL. Bot. Jahrb. (1921) 555;
KANEHIRA l. c. 341, Fl. Micr. 316, f. 160.

Palau: Korrör 244, 356, 1908 A, 1996, 2770, Arumonogui 2092. In forests along the seashore. *Distrib.* The type from Palau, endemic. *Nat. name*: "galilai" (Palau).

Fagraea ksíd GILG. et BENEDICT l. c. 552; KANEHIRA l. c. 341, Fl. Micr. 317, f. 161.

Palau: Marikyoku 403, Aimiriik 1933, 1969, Garamiscan 2116. In dense primary forests at low altitudes.

Distrib. Endemic, the type from Palau. *Nat. names*: "aksis" (Palau).

Fagraea kusaiana HOSOKAWA in Trans. Nat. Hist. Soc. Formos. **24** (1934) 202.

Kusai HOSOKAWA 6288. *Distrib.* Endemic.

Fagraea sair GILG et BENEDICT l. c. 555, f. 3; KANEHIRA l. c. 341, Fl. Micr. 318, f. 162.

Ponape: Kolonia 686, Parkier 728, 1498, Jokaji 1686; Truk Tol 1267; Kusai 1299, 1429. In primary forests along the seashore. *Distrib.* The type from Ponape, endemic. *Nat. names*: "sair" (Ponape), "sól" (Kusai and Truk).

Geniostoma FORSTER

Geniostoma Hoeferi GILG et BENEDICT in ENGL. Bot. Jahrb. **56** (1921) 541; KANEHIRA l. c. **45** (1931) 341, Fl. Micr. 319, f. 163, Saipan 890. In primary forests at medium altitudes. *Distrib.* The type from Saipan. Endemic.

Geniostoma Hoeferi var. **glabra** CH. GILG in Notizb. Bot. Gart. u. Mus. Berlin-Dahlem **12**, 112 (1934) 221.

Saipan KANEHIRA 2255! In forests at about 150 m alt. *Distrib.* Endemic.

Geniostoma kusaiense KANEHIRA in Bot. Mag. Kokyo **46** (1932) 491, Fl. Micr. 321, f. 164.

Kusai 1353, 1362! In strand forests and also dense primary forests at about 500 m altitudes. *Distrib.* Endemic.

- Geniostoma longistylum** CH. GILG l. c. 221.
Saipan KANEHIRA 2232! In forests at about 200 m altitude. *Distrib.*
Endemic.
- Geniostoma micranthum** DC. Prodr. **9** (1845) 27; MERR. l. c. 128;
GILG. et BENEDICT in ENGL. l. c. 540.*
- Geniostoma glaberrmia** HOSOKAWA in Trans. Nat. Hist. Soc. Formos.
25 (1935) 34.
The type from Guam, collected by Gaudichaud. Aramagan 2180;
Pagan 2209. HOSOKAWA's type from Agrigan and Aramagan.*
Distrib. Endemic.
- Geniostoma saipanense** KANEHIRA in sched.
Saipan, Charanka 3682, Aug. 24, 1935. In thickets near the sea-
shore.
- Geniostoma sessile** KANEHIRA in Bot. Mag. Tokyo **45** (1931) 342,
Fl. Micr. 322, f. 165.
Palau, a coral island near Korror 218! 1889, 2443. In forests in
coral rock. *Distrib.* Endemic.
- Geniostoma stenurum** GILG. et BENEDICT in ENGL. l. c. 545, f. 1;
Fl. Micr. 323, f. 166.
Ponape: Kolonia 638, 1477, 1480, Parkier 1522, Nānaraut-zan 1657.
In primary forests from low to medium altitudes. *Distrib.*
Endemic.

Mitrasacme LABILLARDIÈRE

- Mitrasacme nudicaulis** REINW. ex Bl. Bijdr. (1826) 849; GILG et
BENEDICT in ENGL. l. c. 547.
Palau Babeldaob (LEDERMANN). *Distrib.* India to China and Malaya.

Mitreola LINNAEUS

- Mitreola petiolata** (WALT.) TORR. & GRAY, Fl. North Am. **2** (1846)
45; MERR. in Philip. Journ. Sci. **11** (1916) Bot. 307.
Anonymos petiolata WALT. Fl. Carol. (1788) 108.
Mitreola oldenlandioides WALL. Cat. (1831) No. 4350; VOLKENS l. c.
472; GILG et BENEDICT in ENGL. l. c. **56** (1921) 547.
Yap (VOLKENS), Palau (KRAEMER). *Distrib.* Pantropic.

* The specimens collected at Aramagan (2180) and Pagan (2209) had been identified by CH. GILG, Berlin-Dahlem Museum. They are identical with *G. micranthum* DC.

Apocynaceae**Allamanda LINNAEUS**

Allamanda cathartica LINN. Mant. **2** (1771) 214; MGF. in ENGL. Bot. Jahrb. **63** (1930) 281; KANEHIRA in Bot. Mag. Tokyo. **45** (1931) 343.

Ponape Metaranium 876, 1535. Planted. *Distrib.* Introduced from tropical America, now widely cultivated.

Alyxia R. BROWN

Alyxia palauensis MGF. in ENGL. l. c. **63** (1930) 283; KANEHIRA l. c. 342, Fl. Micr. 325, f. 167.

Palau: Korrer 97, 240, 1897, 2404, Marakal 2755. On rocky reef along the seashore. *Distrib.* The type from Palau, endemic.

Alyxia Torresiana GAUDICH. Bot. Freyc. Voy. (1826) 451; MERR. l. c. 128; MGF. l. c. 282; KANEHIRA l. c. 326, f. 168.

Gynopogon Torresianus LAUT. et K. SCHUM. Fl. Deutsch. Schutzg. Südsee (1901) 504.

Saipan 894, 1029, 2253; Tinian 2265, 2269; Rota 1731, 1756, 1790. In primary forests at low altitudes. *Distrib.* The type from Guam, endemic.

Carissa LINNAEUS

Carissa grandiflora (E. Mey.) DC. Prodr. **8** (1844) 335; MERR. l. c. 128.

Arduina grandiflora E. MEY. Comm. Pl. Afr. Austr. (1835-37) 190. Guam. Planted. *Distrib.* A native of south Africa, now widely cultivated in all warm countries.

Cerbera LINNAEUS

Cerbera dilatata MGF. in ENGL. Bot. Jahrb. **63** (1930) 285; KANEHIRA l. c. 343.

Saipan 938, Tinian 2276. In primary forests. *Distrib.* The type from Saipan, endemic.

Cerbera floribunda K. SCHUM. in SCHUM. et HOLLR., Fl. Kais. Wilhelmsl. (1889) 111; WARB. in ENGL. Bot. Jahrb. **13** (1891) 404; VALETON in Ann. Jard. Bot. Buitenz. **12** (1898) 139; BOERL. Handl. Fl. Ned. Ind. **2**, 2 (1899) 394; K. SCHUM. & LAUTERB. Fl. Deutsch. Schutzg. Südsee (1901) 505; MGF. in

Nova Guinea **14** (1926) 284, ENGL. Bot. Jahrb. **61** (1927) 198;
KANEHIRA in Bot. Mag. Tokyo **47** (1933) 679, Fl. Micr. (1933)
328, f. 169.

Cerbera micrantha KANEHIRA l. c. **45** (1931) 343.

Palau: Almonogui 470, 2081; Aimiriik 1936, 2279; Garamiscan 2115.
In thickets and forests at low altitudes. *Distrib.* New Guinea.
Nat. name: "kamarido" (Palau).

Cerbera manghas LINN. Sp. Pl. (1753) 208; VOLKENS l. c. 472;
MGF. in ENGL. l. c. **61** (1927) 197, **63** (1930) 285; KANEHIRA l. c.
343.

Cerbera Odollam GAERTN. Fruct. **2** (1791) 193.

Saipan 2, 2230, 2237; Palau: Marikyoku 424, Armatin 468, Aimiriik
2293, a coral island 2002, Angaur 593; Ponape Metaranium 791;
Kusai 1344. In forests along the seashore. *Distrib.* Tropical
Asia through Malaya to tropical Australia and Polynesia. *Nat.*
names: "kamaridakk," "amarido" (Palau), "riya" (Yap),
"suzâsi" (Kusai). *Jap. name*: Mihukuragi.

Clitandropsis Sp. MOORE

Clitandropsis insularis MGF. in ENGL. Bot. Jahrb. **63** (1930) 281.
Palau Ngarsul (LEDERMANN 14419). *Distrib.* Endemic. The genus
known only from New Guinea.

Ervatamia (DC.) STAPF

Ervatamia coronaria (JACQ.) STAPF in Fl. Trop. Afr. **4**, 1 (1904)
127; MGF. in ENGL. l. c. **61** (1927), 199, **63** (1930) 286.

Nerium coronarium JACQ. Icon. Pl. Rar. (1781) t. 52, Collect. Bot.
1 (1786) 138.

Tabernaemontana divaricata (non R. BR.) MERR. l. c. 130; KANE-
HIRA l. c. 344.

Truk Dublon 619. Planted. *Distrib.* A native of tropical Asia now
pantropic in cultivation. *Jap. name*: Sanyûkwa.

Excavatia MARKGRAF

Excavatia mariannensis (A. DC.) MGF. in ENGL. Bot. Jahrb. **63**
(1930) 284; KANEHIRA l. c. 344, Fl. Micr. 329, f. 170.

Ohrosia mariannensis A. DC. Prodr. **8** (1844) 357; MERR. l. c. 129.

Saipan 895, 2227, Tinian 51, Pagan 2201, Rota 1811. In primary forests at low altitudes.

Distrib. The type from Guam, endemic. *Nat. name*: "langehte" (Saipan), "laneete" (Rota).

Kopsia BLUME

Kopsia carolinensis KANEHIRA in Bot. Mag. Tokyo **45** (1941) 444. Palau: Aimiyon 502, Garamiscan 2103. In thickets at open places.

Distrib. Endemic.

Lepinia DECAISNE

Lepinia ponapensis HOSOKAWA in Bot. Mag. Tokyo **48** (1934) 529. Ponape Nânaraut-zan HOSOKAWA 5968. In primary forests at about 780 m altitude. *Distrib.* Endemic. The genus known only from Solomon and Society Islands.

Lepiniopsis VALETON

Lepiniopsis trilocularis MGF. in ENGL. Bot. Jahrb. **63** (1930) 280; KANEHIRA l. c. 344, Fl. Micr. 331, f. 171.

Palau: Angaur 566, Peliliu 2423, 2437. *Distrib.* Endemic. The genus known only from New Guinea and the Philippines.

Lochnera REICHENBACH

Lochnera rosea (LINN.) REIGH. Consp. (1828) 134; MERR. l. c. 129; MGF. in ENGL. l. c. **61** (1927) 175, **63** (1930) 282.

Vinca rosea LINN. Sp. Pl. ed. 2 (1762) 305.

Carolines, Keros (KERSTING), Guam. Cultivated. *Distrib.* A native of tropical America, now widely distributed in the tropics of the world in cultivation and as a naturalized plant. *Jap. name*: Nitinitisô.

Nerium LINNAEUS

Nerium indicum MILL. Gard. Dict. ed. 8 (1768) *Nerium* No. 2; MERR. l. c. 129; MGF. in ENGL. Bot. Jahrb. **61** (1927) 211, **63** (1930) 287.

Nerium odorum SOLAND. in AIT. Hort. Kew. **1** (1789) 297.

Guam. Cultivated. *Distrib.* Widely distributed in Indo-Malayan region. *Jap. name*: Kyôtikutô.

Ochrosia JUSSIEU

Ochrosia parviflora (FORST.) HENSLOW in Ann. Nat. Hist. **1** (1838) 345; MGF. l. c. **63** (1930) 284; KANEHIRA l. c. 343.

Cerbera parviflora FORST. Prodr. (1786) 19.

Ochrosia oppositifolia MERR. l. c. 130, non *Cerbera oppositifolia* LAM. Saipan 46, 913, 1089; Ponape Sankaku-yama 744; Rota 1781; Truk 1291; Yap 1131. In forests at low altitudes. *Distrib.* Polynesia. *Nat. names*: "faag" (Saipan). "uma" (Truk).

Plumiera TOURNEFORT

Plumiera acuminata AIT. Hort. Kew. ed. 2, **2** (1811) 70.

Palau, planted. *Distrib.* A native of tropical America, now generally planted for ornamental purpose.

Rauwolfia PLUMIER

Rauwolfia mangiferoides KANEHIRA* in Bot. Mag. Tokyo **45** (1931) 345.

Palau Marikyoku 414! In thickets at open places. *Distrib.* Endemic.

Rauwolfia insularis MGF. in ENGL. Bot. Jahrb. **63** (1930) 283.

Rauwolfia laxiflora KANEHIRA Fl. Micr. (1933) 332, f. 172, nom. seminud. et in Bot. Mag. Tokyo **47** (1933) 678.

Palau: Aimirik 2131!, 2283, 2361, 2781; Airai 2759; Ogiwal 2063. In primary forests at low altitudes. *Distrib.* endemic, the type from Korror (LEDERMANN).

Tabernaemontana PLUMIER

Tabernaemontana aurantiaca GAUDICH. Bot. Freyc. Voy. (1826) 50; MIQ. Fl. Ind. Bat. **2** (1856) 424; F. v. MUELL. Descr. Notes on Pap. Pl. **2** (1885) 12; K. SCHUM. et HOLLR. Fl. Kais. Wilhelmsl. (1889) 112; WARB. in ENGL. Bot. Jahrb. **13** (1891) 405; BAILEY Queensl. Agr. Journ. **3** (1898) 201; Boerl. Fl. Ned. Ind. II, **2** (1899) 397; MGF. in Nova Guinea **14** (1926) 284, ENGL. l. c. **61** (1927) 201; KANEHIRA in Bot. Mag. Tokyo **49** (1935) 274.

Rejoua aurantiaca GAUDICH. Bot. Freyc. Voy. (1826) 451, t. 61.

* The plant has been once considered to be a synonym of *Rauwolfia insularis* MGF. but in comparison with the type, I am inclined to think this to be a new species.

No. 2383. Palau Airai. Planted in a garden. It is said the seeds were sown, taken from a wild tree growing at Gashol, Palau.
Distrib. New Guinea.

Tabernaemontana pandacaqui POIR. in LAM. Encycl. **7** (1806) 529;
KANEHIRA l. c. 344.

Saipan 980. In thickets near houses. *Distrib.* Philippines, Formosa and Celebes.

Thevetia LINNAEUS

Thevetia peruviana (PERS.) MERR. l. c. 130; MGF. in ENGL. l. c. **63** (1930) 286,

Cerbera peruviana PERS. Synopsis Pl. **1** (1805) 267.

Ponape 1540. Cultivated. *Distrib.* A native of tropical America, now widely cultivated in most tropical countries. *Jap. name:* Kibana-kyôtikutô.

Asclepiadaceae

Asclepias LINNAEUS

Asclepias curassavica LINN. Sp. Pl. (1753) 215; MERR. l. c. 130;
SCHLTR. in ENGL. Bot. Jahrb. **56** (1921) 566.

Saipan 21, 954; Rota 1807. *Distrib.* Pantropic weed of American origin.

Cryptostegia R. BROWN

Cryptostegia grandiflora (ROXB.) R. BR. in Bot. Reg. (1819) t. 435;
KANEHIRA l. c. 345.

Nerium grandiflorum ROXB. Hort. Beng. (1814) 19, nom. nud., Fl. Ind. ed. 2, **2** (1832) 100.

Saipan 993. Planted. *Distrib.* A native of India, now Pantropic.

Dischidia R. BROWN

Dischidia Hahliana VOLKENS in ENGL. l. c. **31** (1901) 473; SCHLTR. l. c. **56** (1921) 567.

Yap (VOLKENS). *Distrib.* The type from Yap, endemic.

Dischidia puberula DECNE. in DC. Prodr. **8** (1844) 631; MERR. l. c. 131; SCHLTR. l. c. 567.

Guam. *Distrib.* The type from Guam collected by GAUDICHAUD, endemic.

Finlaysonia WALLICH

- Finlaysonia obovata** WALL. Fl. As. Rar. **2** (1831) 48 t. 162;
 DECNE. in DC. Prodr. **8** (1844) 494.
 Palau, Garamiscan 552. In thickets along the seashore. *Distrib.*
 India through Malaya to the Moluccas.

Hoya R. BROWN

- Hoya Schnee** SCHLTR. in ENGL. Bot. Jahrb. **56** (1921) 567.
 Ponape: Kolonia 658, 699, 1483, Tortom-zan 1569, Jokaji 1694. In
 thickets and forests from low to medium altitudes. *Distrib.*
 The type from Ponape, endemic.

Sarcolobus R. BROWN

- Sarcolobus sulphureus** (VOLKENS) SCHLTR. in ENGL. Bot. Jahrb.
50 (1913) 160, **56** (1921) 569.
Tylophora sulphurea VOLKENS l. c. 473.
 Yap 72. In thickets at low altitudes. *Distrib.* The type from Yap,
 endemic.

Tylophora R. BROWN

- Tylophora polyantha** VOLKENS in ENGL. l. c. **31** (1901) 473;
 SCHLTR. l. c. **56** (1921) 569.
 Palau Angaur 569; Yap 1250. *Distrib.* The type from Yap, en-
 demic.

Convolvulaceae**Calonyction** CHOISY

- Calonyction album** (LINN.) HOUSE in Bull. Torr. Bot. Club **31**
 (1904) 591; MERR. l. c. 131.
Ipomoea alba LINN. Sp. Pl. (1753) 161.
 Guam. In thickets along the seashore. *Distrib.* Pantropic.

Erycibe ROXBURGH

- Erycibe** sp.
 Kusai 1363. A strand plant.

Evolvulus LINNAEUS

Evolvulus alsinoides LINN. Sp. Pl. ed 2 (1762) 392; HOSOKAWA in Trans. Nat. Hist. Soc. Formos. **25** (1935) 35.

Tinian HOSOKAWA 7721. *Distrib.* Pantropic.

Ipomoea LINNAEUS

Ipomoea Batatas (LINN.) POIR. in LAM. Encycl. **6** (1804) 14; VOLKENS l. c. 473; MERR. l. c. 131.

Convolvulus Batatas LINN. Sp. Pl. (1753) 154.

Guam, Yap. *Distrib.* Introduced from Mexico, now cultivated in all warm countries. The sweet potato. *Jap. name*: Satumaimo.

Ipomoea digitata LINN. Syst. ed. 10 (1759) 924.

Ipomoea paniculata R. BR. Prodr. (1810) 486; VOLKENS l. c. 473.

Truk Dublon 606; Ponape Kolonia 688; Kusai 1426. In thickets along the seashore.

Distrib. Pantropic. *Jap. name*: Yatude-asagao.

Ipomoea gracilis R. BR. Prodr. (1810) 484; MERR. l. c. 131.

Ipomoea littoralis BL. Bijdr. (1825) 713; VOLKENS l. c. 473.

Palau Marikyoku 422. In thickets along the seashore. *Distrib.* Tropical Asia to the Sechelles, through Malaya to tropical Australia and Polynesia. *Jap. name*: Sokobeni-hirugao.

Ipomoea grandiflora LAM. Ill. **1** 467; KOIDZ. in Bot. Mag. Tokyo **29** (1915) 253.

Ipomoea glaberrima BOJ. ex HOOK. Journ. Bot. **1** (1834) 357; VOLKENS l. c. 473.

Yap (VOLKENS), Jaluit (KOIDZUMI). *Distrib.* Tropics of the Old World.

Ipomoea hederacea (LINN.) JACQ. Ic. Pl. Rar. **1** (1781) t. 36, Collect. **1** (1786) 124; MERR. l. c. 132.

Convolvulus hederaceus LINN. Sp. Pl. (1753) 154.

Guam. *Distrib.* A native of tropical America, now widely distributed in both hemispheres. *Jap. name*: Asagao.

Ipomoea indica (BURM.) MERR. Interpret. Herb. Amb. (1917) 445.

Convolvulus indicus BURM. Index Univ. Herb. Amb. (1755) 6.

Saipan 953. In thickets at low altitudes. *Distrib.* Formosa to the Moluccas, tropical Australia and Polynesia. *Jap. name*: No-asagao.

Ipomoea pes-caprae (LINN.) ROTH, Nov. Pl. Sp. (1821) 109; MERR. l. c. 132; KOIDZ. l. c. 253.

Convolvulus pes-caprae LINN. Sp. Pl. (1753) 159.

Palau Marikyoku 381; Saipan 1021; Kusai 1367. On sandy sea-shores. *Distrib.* A pantropic strand plant. *Jap. name*: Gunbai-hirugao.

Ipomoea reptans (LINN.) POIR. in LAM. Encycl. Suppl. **3** (1813) 460; MERR. l. c. 132.

Convolvulus reptans LINN. Sp. Pl. (1753) 158.

Guam. In swamps and pools. *Distrib.* Throughout the tropics of the Old World, in southern China extensively cultivated. *Jap. name*: Yôsai.

Ipomoea triloba LINN. Sp. Pl. (1753) 161; MERR. l. c. 132.

Guam. *Distrib.* A native of tropical America, now pantropic.

Merremia DENNSTAEDT

Merremia gemella (BURM. f.) HALLIER f. in ENGL. Bot. Jahrb. **16** (1892) 552; MERR. l. c. 132.

Convolvulus gemellus BURM. f. Fl. Ind. (1768) 46, t. 21, f. 1.

Guam. *Distrib.* India to Malaya. *Jap. name*: Hime-kogane-hirugao.

Merremia hederacea (BURM. f.) HALLIER f. in ENGL. l. c. **18** (1894) 168; MERR. l. c. 132.

Convolvulus hederaceus BURM. f. Fl. Ind. (1768) 77, t. 30, f. 2.

Merremia convolvulacea DENNST. SCHL. Hort. Malabar (1818) 39; VOLKENS l. c. 473.

Yap, Guam. In thickets and open grasslands. *Distrib.* India to Java and Philippines. *Jap. name*: Tutanoha-hirugao.

Merremia umbellata (LINN.) HALLIER f. in ENGL. l. c. **16** (1892) 552.

Convolvulus umbellatus LINN. Sp. Pl. (1753) 155.

Palau Aimiriik 297. In thickets at low altitudes. *Distrib.* Pantropic. *Jap. name*: Mimiba-husa-asagao.

Operculia S. MANSO

Operculia peltata (LINN.) HALLIER f. in ENGL. Bot. Jahrb. **16** (1892) 549; MERR. l. c. 133.

Convolvulus peltatus LINN. Sp. Pl. (1753) 1194.

Guam. In rocky places near the sea. *Distrib.* Eastern Malaya to Polynesia.

Quamoclit MOENCH

Quamoclit pennata (DESR.) BOJ. Hort. Maurit. (1837) 224; MERR. l. c. 133.

Convolvulus pennatus DESR. in LAM. Encycl. 3 (1791) 567.

Guam. *Distrib.* A native of tropical America, now pantropic. *Jap. name*: Rukôsô.

Stictocardia HALLIER f.

Stictocardia campanulata (LINN.) HOUSE in Muhlenbergia 5 (1909) 72; MERR. l. c. 133.

Ipomoea campanulata LINN. Sp. Pl. (1753) 160.

Saipan 946, 1080; Palau Korrer 2070, 2777; Saligan 2170. In thickets and secondary forests. *Distrib.* India to Malaya; introduced in other tropical countries. *Jap. name*: Atuba-asagao.

Boraginaceae

Cordia LINNAEUS

Cordia subcordata LAM. Tab. Encycl. 1 (1791-97) 421; DC. Prodr. 9 (1845) 477; SEEM. Fl. Vit. (1865-73) 168, t. 34; KANEHIRA in Bot. Mag. Tokyo 45 (1931) 345, Fl. Micr. 336, f. 174.

Saipan 38; Palau Korrer 599; Ponape Metaranium 849; Truk Udot 1283. In thickets and forests along the seashore. *Distrib.* Eastern Africa and tropical Asia through Malaya to tropical Australia. *Nat. names*: "niyoron" (Saipan), "ikoik" (Ponape), "ikoak" (Kusai), "anno" (Truk).

Heliotropium TOURNEFORT

Heliotropium indicum LINN. Sp. Pl. (1753) 130; MERR. l. c. 134. Saipan 963. In waste places. *Distrib.* A weed in all tropical countries, probably a native of the eastern hemisphere. *Jap. name*: Nanban-rurisô.

Heliotropium ovalifolium FORSK. var. **depressum** (CHAM.) MERR. l. c. 134.

Heliotropium coromandelinum RETZ. var. *depressum* A. DC. Prodr. 9 (1845) 542.

Heliotropium gracile R. BR. var. *depressum* CHAM. in *Linnaea* (1829) 457.

Guam. *Distrib.* The type of the variety from Guam, the species Philippines.

Tournefortia LINNAEUS

Tournefortia argentea LINN. f. *Suppl.* (1781) 133; VOLKENS l. c. 473; MERR. l. c. 134; KOIDZ. in *Bot. Mag. Tokyo* **29** (1915) 254; KANEHIRA l. c. 346, *Fl. Micr.* 338, 175.

Palau Angaur 594; Saipan 1017. Along sandy seashores. *Distrib.* Tropical Asia to Mauritius, Malaya and tropical Australia. *Nat. name:* "sasran" (Kusai). *Jap. name:* Monpa-no-ki.

Verbenaceae

Avicennia LINNAEUS

Avicennia marina (FORSK.) VIERH. var. *alba* (BL.) BAKF. in *Bull. Jard. Bot. Buitenz.* **3**, 3 (1921) 103, 207, tt. 14, 15; KANEHIRA l. c. 346.

Secura marina FORSK. *Fl. Aegypt-Arab.* (1775) 37.

Avicennia alba BLUME *Bijdr.* (1826) 821; KOORD. et VAL. *Bijdr. Boom. Java* **7** (1900) 221.

Avicennia spicata (non O. KTZE.) VOLKENS l. c. 474.

Avicennia officinalis (non LINN.) H. LAM in *ENGL.* l. c. **59** (1924) 29.

Palau Korrer 349, 560. Along muddy seashores and tidal streams.

Distrib. India to southern China, Malaya, Philippines and Polynesia.

Callicarpa LINNAEUS

Callicarpa cana LINN. *Mant.* **2** (1771) 198; VOLKENS l. c. 474; LAM l. c. **59** (1924) 24; KANEHIRA l. c. 346.

Palau Korrer 79; Saipan 1026; Yap 1242; Kusai 1301, 1354.

In thickets and open grasslands. *Distrib.* Malaya to the Bismarck Archipelago. *Nat. names:* "odokk," "odopp." (Palau), "kuruwau" (Yap), "hamrak" (Saipan), "otol" (Rota). The plant is used for poisoning fish.

Callicarpa elegans HEYER in JUST's *Bot. Jahresber.* **33** (1905) 88; FEDDE *Rep.* **2** (1906) 88; MERR. in *Philip. Journ. Sci.* **7** (1912)

- Bot. 338; H. LAM, Verb. Mal. Arch. (1919) 83; ENGL. l. c. **59** (1924) 25.
 Palau 248, 249, 1886, 1995, 2109, 2412; Yap 1204. In thickets and secondary forests. *Distrib.* Philippines.
- Callicarpa glabra** H. LAM, Verb. l. c. 82, ENGL. l. c. 25; KANEHIRA l. c. 346.
 Saipan 929. In thickets along the seashore. *Distrib.* The type from Saipan, collected by HÖFER, endemic.
- Callicarpa paucinervia** MERR. in Philip. Journ. Sci. **9** (1914) Bot. 134.
 Saipan 2246, Rota 1758. *Distrib.* The type from Guam, endemic.

Clerodendron LINNAEUS

- Clerodendron Blumeanum** SCHAUER DC. Prodr. **11** (1847) 669; H. LAM, in ENGL. Bot. Jahrb. **59** (1924) 29; KANEHIRA l. c. 347.
 Palau Korrör 170; Yap 1220. In thickets along the seashore *Distrib.* Malay Archipelago.
- Clerodendron inerme** (LINN.) GAERTN. Fruct. **1** (1788) 271; H. LAM, Verb. (1919) 251, ENGL. l. c. 28; KANEHIRA l. c. 347.
Volkamia inermis LINN. Sp. Pl. (1753) 637.
- Clerodendron Commersonii** SPRENG. Syst. **2** (1825) 758; VOLKENS l. c. 474; MERR. l. c. 474; MERR. l. c. 135; LAM, l. c. **59** (1924) 28.
 Saipan 39, 914, 1005; Palau 150, 554, 1991; Yap 1206, 1252. In thickets along the seashore. *Distrib.* India to Formosa through Malaya and tropical Australia. *Jap. name:* Ibotá-kusagi.
- Clerodendron Thompsonae** BALF. in Edinb. New Philos. Journ. **2**, 15 (1862) 233; LAM, l. c. 28.
 Ponape Kolonia 1580. Planted. *Distrib.* A native of tropical America, now cultivated in most tropical countries. *Jap. name:* Genpei-kadura.

Gmelina LINNAEUS

- Gmelina elliptica** SM. in REES, Cycl. **15** (1810-11) No. 2; KANEHIRA l. c. 346.
Gmelina villosa ROXB. Fl. Ind. **3** (1832) 86; H. LAM, Verb. (1919) 217, ENGL. l. c. **59** (1924) 28.

Palau Korrer 198, 2068. In thickets and secondary forests at low altitudes. *Distrib.* Burma through Malaya and Philippines to the Moluccas.

Gmelina palawensis H. LAM, Verb. Malay Arch. (1919) 224; ENGL. l. c. 28; KANEHIRA l. c. 347, Fl. Micr. 341, f. 176.

Palau Marikyoku 387, Aimiriik 1923, 2280. In primary forests at low altitudes. *Distrib.* The type from Palau, endemic. *Nat. name*: "brakios" (Palau).

Premna LINNAEUS

Premna angustiflora H. LAM, Verb. (1919) 134, ENGL. l. c. 59 (1924) 26; KANEHIRA l. c. 347.

Palau Marikyoku 417. In open fields. *Distrib.* Known only from Palau.

Premna integrifolia LINN. Mant. 2 (1771) 252; LAM, Verb. Malay Arch. (1919) 140, ENGL. Bot. Jahrb. 59 (1925) 26.

Premna Gaudichaudii SCHAUER in DC. Prodr. 11 (1847) 631; VOLKENS. l. c. 474; MERR. in Philip. Journ. Sci. 9 (1914) Bot. 136.

*Premna mariannarum** SCHAUER l. c. 632; MERR. l. c. 136.

Saipan 6, 23, 923, 2257; Rota 1793; Tinian 62, 2267; Saligan 2160; Pagan 2203, 2216; Ponape 694, 792, 1500, 1609, 2407; Truk 622, 1286; Palau 151, 1861, 1884; Angaur 575; Yap 1101.

In forests along the seashore. The types of *P. Gaudichaudii* and *P. mariannarum* are both from Guam. *Distrib.* Madagascar, Mauritius, India, Ceylon, Andamans, Nicobars, Hongkong, Malaya, Philippines to Polynesia.

H. LAM recognizes several species of *Premna* as occurring in Micronesia. I have a number of specimens from various localities but am unable to distinguish individual species. Duplicates have been sent to Dr. LAM, but pending the receipt of his identifications I retain the name *Premna integrifolia* LINN. *sensu lato* for Micronesian forms.

* "It has an affinity with *P. integrifolia*, but differs from it by its entire calyx-lips and its 5-lobed corolla. The latter characteristic, however, makes it rather doubtful, that the species really belongs to *Premna*" (LAM l. c. 111.)

Stachytarpheta VAHL

- Stachytarpheta jamaicensis** (LINN.) VAHL, Enum. **1** (1804) 206; MERR. l. c. 136; LAM in ENGL. l. c. **59** (1924) 24.
Verbena jamaicensis LINN. Sp. Pl. (1753) 19,
Stachytarpheta indica VAHL l. c. 206; VOLKENS l. c. 474.
 Palau Korrör 178; Yap; Guam. A common weed in open waste places. *Distrib.* A native of tropical America, now pantropic.
Jap. name: Nagabosô.

Tectona LINNAEUS

- Tectona grandis** LINN. f. Suppl. (1781) 151; H. LAM in ENGL. l. c. **59** (1924) 25.
 Guam; Palau (not collected). *Distrib.* India, Burma, Java to Borneo; Now widely planted. Teak.

Vitex LINNAEUS

- Vitex cofassus** REINW. ex BL. Bijdr. (1826) 813 var. **typica** H. LAM, Verb. (1919) 173; ENGL. l. c. **59** (1924) 27; KANEHIRA l. c. 347, Fl. Micr. (1933) 343, f. 177.
Vitex monophylla K. SCHUM. et HOLLR. Fl. Kaiserwilhelmsl. (1889) 121.
Vitex punctata SCHAUFER DC. Prodr. **11** (1847) 687.
 Palau: Korrör 82, Aimiriik 1977. In thickets and forests at low altitudes. *Distrib.* The species in Malaya and western Polynesia, the variety endemic. *Nat. name*: "abiokl" (Palau).
Vitex glabrata R. BR. Prodr. (1810) 512; LAM, Verb. Malay. (1919) 203; KANEHIRA Fl. Micr. 345, f. 178.
 Palau Tôdai-yama 2022. *Distrib.* India, Indo-China, Java, Timor, Celebes, Philippines and New Guinea to Australia.
Vitex Negundo LINN. Sp. Pl. (1753) 638; MERR. l. c. 136; H. LAM in ENGL. l. c. **59** (1924) 27.
 Palau (KRÄMER), Truk (KRÄMER), Ponape (LEDERMANN), Saipan (HÖFER); Guam. *Distrib.* Tropical East Africa, Madagascar, India to Japan, southward through Malaya to western Polynesia.
Jap. name: Taiwan-hamagô.
Vitex trifolia LINN. Sp. Pl. (1753) 638; LAM l. c. 180; VOLKENS l. c. 474; MERR. l. c. 136; KANEHIRA l. c. 347.

Tinian 55, 2273; Saipan 1025; Kusai 1308. In thickets along the seashore. *Distrib.* India to Mauritius and Japan, southward through Malaya to tropical Australia and Polynesia. *Jap. name:* Taiwan-ninzinboku.

Labiatae

Coleus LOUREIRO

Coleus Blumei BENTH. Lab. Gen. Sp. (1832) 56; MERR. l. c. 136. Ponape Kolonia 738. Planted. *Distrib.* A native of tropical Asia, now cultivated in warm countries.

Hyptis JACQUIN

Hyptis capitata JACQ. Ic. Rar. **1** (1781-1786) t. 114; VOLKENS l. c. 474; MERR. l. c. 136.

Guam; Yap 1146. In waste places. *Distrib.* Introduced from Mexico, now established in Philippines, Formosa, Java and Amboina. *Jap. name:* Iganigakusa.

Hyptis suaveolens POIR. in Ann. Mus. Paris **7** (1806) 472, t. 29; VOLKENS l. c. 374; MERR. l. c. 137.

Yap, Guam. *Distrib.* A native of tropical America, now a pantropic weed.

Hyptis spicigera LAM. Encycl. **3** (1789) 185; MERR. l. c. 137.

Guam. *Distrib.* A native of tropical America, now a pantropic weed. *Jap. name:* Hozaki-iganigusa.

Leonurus LINNAEUS

Leonurus sibiricus LINN. Sp. Pl. (1753) 584.

Palau Korrer (OKAMOTO). A native of Asia, now in all warm countries. *Jap. name:* Mehaziki.

Moschosma REICHENBACH

Moschosma polystachyum (LINN.) BENTH. in WALL. Pl. As. Rar. **2** (1831) 13; MERR. Sp. Blancoanae (1918) 339.

Ocimum polystachyum LINN. Mant. **2** (1771) 567.

Plectranthus parviflorus R. Br. (1810) 606; VOLKENS l. c. 474.

Yap (VOLKENS). *Distrib.* Tropical Africa and Asia through Malaya to tropical Australia.

Ocimum LINNEAUS

Ocimum basilicum LINN. Sp. Pl. (1753) 597; MERR. I. c. 137.
Guam. *Distrib.* Pantropic. *Jap. name:* Mebôki.

Ocimum sanctum LINN. Mant. 1 (1767) 85; VOLKENS I. c. 474;
MERR. I. c. 137.
Truk Dublon 618; Kusai 1454. In settled areas. *Distrib.* Probably
a native of the Old World, now pantropic. *Jap. name:* Kami-
bôki.

Solanaceae**Capsicum TOURNEFORT**

Capsicum frutescens LINN. Sp. Pl. (1753) 271; DUNAL in DC. Prodr.
13, 1 (1852) 413,
Saligan 2164, Saipan 949, Palau 588, Ponape 778. Planted about
old dwellings. *Distrib.* Pantropic, a native of tropical America.
Jap. name: Hime-tôgarasi.

Cestrum LINNAEUS

Cestrum diurnum LINN.?
Yap. 1196. Planted.

Cestrum nocturnum LINN. Sp. Pl. (1753) 191; MERR. I. c. 138.
Ponape Kolonia 1631. Cultivated for its flowers. *Distrib.* A native
of tropical America, now widely distributed in cultivation. *Jap.*
name: Yakôkwa.

Datura LINNAEUS

Datura Metel LINN. Sp. Pl. (1753) 271; VOLKENS I. c. 474; MERR.
I. c. 137.
Palau Angaur 588; Ponape Metaranium 778; Saipan 949. In open
waste places in the settled areas. *Distrib.* Pantropic, a native
of tropical America. *Jap. name:* Hime-tôgarasi.

Lycopersicum MILLER

Lycopersicum esculentum MILL. Gard. Dict. ed. 3 (1768) No. 2;
MERR. I. c. 138.
Guam. *Distrib.* A native of tropical America, now pantropic. *Jap.*
name: Akanasu.

Nicotiana LINNAEUS

Nicotiana Tabacum LINN. Sp. Pl. (1753) 180; VOLKENS l. c. 474; MERR. l. c. 138.

Yap, Guam. *Distrib.* A native of tropical America, now planted in all warm countries. *Jap. name*: Tabako.

Physalis LINNAEUS

Physalis angulata LINN. Sp. Pl. (1753) 183; MERR. l. c. 9 (1914) Bot. 139; KOIDZ. in Bot. Mag. Tokyo 29 (1915) 254.

Guam, Jaluit. *Distrib.* A native of tropical America, now pantropic *Jap. name*: Sennari-hôzuki.

Physalis lanceifolia NEES in Linnaea 6 (1831) 473; MERR. l. c. 138. Saipan 999. In open waste places. *Distrib.* Introduced from Mexico.

Physalis minima LINN. Sp. Pl. (1753) 183; VOLKENS l. c. 474. Ponape Metaranium 777; Yap 1251. In open places. *Distrib.* A pantropic weed.

Solanum TOURNEFORT

Solanum guamense MERR. in Philip. Journ. Sci. 9 (1914) Bot. 139; KANEHIRA l. c. 348.

Solanum saipanense BITTER in ENGL. l. c. 56 (1921) 559. Saipan 1009, Tinian 1063, Rota 1823. In strand forests. *Distrib.* The type from Guam, endemic.

Solanum mariannense HOSOKAWA in Trans. Nat. Hist. Soc. Formos. 25 (1935) 126.

Rota, HOSOKAWA 7628. *Distrib.* Endemic.

Solanum Melongena LINN. Sp. Pl. (1753) 186; VOLKENS l. c. 474; MERR. l. c. 139.

Yap, Guam. *Distrib.* Cultivated in all warm countries. *Jap. name*: Nasubi.

Solanum nigrum LINN. Sp. Pl. (1753) 186; MERR. l. c. 139.

Guam. *Distrib.* Temperate and tropical regions of both hemispheres. *Jap. name*: Inuhôzuki.

Solanum verbascifolium LINN. Sp. Pl. (1753) 184; DUNAL in DC. Prodr. 13, 1 (1852) 114; MIQ. Fl. Ind. Bat. 2 (1857) 640; C. B. CLARKE in HOOK. f. Fl. Brit. Ind. 4 (1883) 230.

Palau Peliliu 2430, 2435. In thickets. *Distrib.* Pantropic. *Jap. name:* Yanbaru-nasubi.

Solanum Wendlandii HOOK. f. in CURTIS'S Bot. Mag. (1887) t. 6914. Palau Korrer 3352 (NISIDA). Cultivated. A native of Central America. Identified by Dr. MERRILL.

Scrophulariaceae

Angelonia HUMBOLDT et BONPLAND

Angelonia gardneri HOOK. in CURTIS'S Bot. Mag. (1840) t. 3754. Ponape Metaranium 775; Kusai 1465. Cultivated. *Distrib.* A native of Brazil.

Bacopa AUBLET

Bacopa monniera (LINN.) WETTS. in ENGL. & PRANTL, Nat. Pflanzenf. **4**, 3 b (1891) 77; MERR. l. c. 140; SCHLTR. in ENGL. Bot. Jahrb. **56** (1921) 572.

Gratiola monniera LINN. Cent. Pl. **2** (1756) 120.

Guam. *Distrib.* Tropics of both hemispheres. *Jap. name:* Otome-azena.

Ilysanthes RAFINESQUE

Ilysanthes antipoda (LINN.) MERR. Interpret. Herb. Amb. (1917) 467.

Ruellia antipoda LINN. Sp. Pl. (1753) 635.

Bonnaya vernicaefolia SPRENG. Syst. **1** (1825) 42; MERR. l. c. 140.

Ilysanthes vernicifolia URB. Deutsch. Bot. Ges. **2** (1884) 436; VOLKENS l. c. 474; SCHLTR. l. c. **56** (1921) 574.

Yap (VOLKENS), Truk (KRÄMER), Palau (LEDERMANN); Guam (THOMPSON). *Distrib.* Widely distributed in tropical Asia and Malaya. *Jap. name:* Suzumeno-tôgarasi.

Limnophila R. BROWN

Limnophila fragrans (FORST f.) SEEM. Fl. Vit. (1865) 180; MERR. l. c. 140; SCHLTR. in ENGL. l. c. **56** (1921) 670.

Ruellia fragrans FORST. f. Prodr. (1786) 44.

Guam (GAUDICHAUD), Palau (RAYMUND, LEDERMANN); Yap (VOLKENS); Palau 2053. *Distrib.* Luzon to Australia and Polynesia.

Limnophila fragrans var. **brevis** SCHLTR. in ENGL. I. c. **56** (1921) 571.

Palau KORFOR (LEDERMANN). *Distrib.* Endemic.

Limnophila indica (LINN.) MERR. in Philip. Journ. Sci. **9** (1914) Bot. 140; SCHLTR. I. c. 571.

Hottonia indica LINN. Syst. ed. 10 (1759) 919.

Guam (GAUDICHAUD). *Distrib.* Tropical Africa and Asia to Australia.

Limnophila indica var. **Raymundi** SCHLTR. in ENGL. I. c. 571.

Palau KORFOR (RAYMUND). *Distrib.* Endemic.

Limnophila sessiliflora Bl. Bijdr. (1826) 750; MERR. I. c. 141; SCHLTR. I. c. 572.

Guam (GAUDICHAUD, THOMPSON). *Distrib.* Tropical Asia and Malaya.
Jap. name: Nankin-sisogusa.

Lindernia ALLIONI

Lindernia crustacea (LINN.) F. MUELL. Census (1882) 97; VOLKENS I. c. 474; SCHLTR. I. c. **56** (1921) 572.

Capraria crustacea LINN. Mant. **1** (1767) 87.

Yap (VOLKENS). *Distrib.* Throughout the Old World Tropics, introduced in the New World. *Jap. name*: Takasago-azena.

Lindernia pusilla (THUNB.) MERR. in Philip. Journ. Sci. **11** (1916) Bot. 312, Sp. Blancoanae (1918) 347; SCHLTR. I. c. 573.

Selago pusilla THUNB. Prodr. Pl. Cap. (1794-1800) 99.

Lindernia scabra WETTS. in ENGL. & PRANTL, Pflanzenf. **4**, 3 b (1891) 79; VOLKENS I. c. 474.

Yap (VOLKENS), Ponape (LEDERMANN). A common weed in cultivated soil. *Distrib.* India to Africa, China, Formosa, Malaya and Polynesia. *Jap. name*: Zaramé-kiurigusa.

Lindernia pyxidaria (MAX.) ALL. Mis. Taur. **3** (1755) 178; SCHLTR. I. c. 573.

Vandellia pyxidaria MAX. in Bull. Acad. Pétersb. **20** (1875) 449; MERR. I. c. 141. Guam (THOMPSON). *Distrib.* Southern Europe to Polynesia. *Jap. name*: Azena.

Scoparia LINNAEUS

Scoparia dulcis LINN. Sp. Pl. (1753) 168; SCHLTR. in ENGL. I. c. **56** (1921) 575.

Ponape (LEDERMANN). A ubiquitous weed. *Distrib.* A native of tropical America, now pantropic. *Jap. name*: Seitaka-kanabikisô.

Torenia D. DON

Torenia polygonoides BENTH. *Scroph. Ind.* (1835) 39, SCHLTR. in ENGL. l. c. 572.

Palau Ngarsul (LEDERMANN). *Distrib.* India to the Malay Peninsula, Borneo and Philippines.

Bignoniaceae

Dolichandrone FENZEL

Dolichandrone spathacea (LINN. f.) K. SCHUM. *Fl. Kaiser Wilhelmsl.* (1889) 123; VOLKENS l. c. 475; KANEHIRA l. c. 45 (1931) 348, *Fl. Micr.* (1933) 346, f. 179.

Bignonia spathacea LINN. f. *Suppl.* (1781) 283.

Palau Korrer 132, Marikyoku 380, 2032; Yap 1191. Common along the seashore. *Distrib.* India through Malaya to New Guinea. *Nat. name*: "riu" (Palau and Yap).

Pedaliaceae

Sesamum LINNAEUS

Sesamum orientale LINN. *Sp. Pl.* (1753) 634; MERR. l. c. 141.

Guam. *Distrib.* A native of tropical Asia, now cultivated in all warm countries. *Jap. name*: Goma.

Gesneriaceae

Cyrtandra FORSTER

Cyrtandra kusaiana HOSOKAWA in *Trans. Nat. Hist. Soc. Formos.* 24 (1934) 203.

Kusai HOSOKAWA 6288. *Distrib.* Endemic.

Cyrtandra palawensis SCHLTR. in ENGL. *Bot. Jahrb.* 56 (1921) 577. Palau Aimiriik 274, 1963, 2350. In primary forests at low altitudes. *Distrib.* The type from Palau, endemic. *Nat. name*: "melgee" (Palau). The leaves are used by the natives for chewing when the betle leaves unavailable.

Cyrtandra ponapensis KANEHIRA in *Bot. Mag. Tokyo* 46 (1932) 492, *Fl. Micr.* 348, f. 180.

Cyrtandra Urvillei (non C. B. CLARKE) SCHLTR. l. c. 576, pro parte. Ponape 831! 1550, 1606, 1642! In primary forests at the top of the island. *Distrib.* Endemic.

Cyrtandra Urvillei C. B. CLARKE in DC. Prodr. Cotin. **5** (1883) 251; SCHLTR. l. c. 576; KANEHIRA Fl. Micr. 351, f. 182. Kusai Hinkoln-zan 1357, 1381. In primary forests at the higher part of the mountain, at about 580-650 m altitudes. *Distrib.* The type from Kusai, endemic.

Protocyrtandra HOSOKAWA

Protocyrtandra todaiensis (KANEHIRA) HOSOKAWA in Trans. Nat. Hist. Soc. Formos. **24** (1934) 202.

Cyrtandra todaiensis KANEHIRA Fl. Micr. (1933) 349, f. 181 nom. seminud. et in Bot. Mag. Tokyo **47** (1933) 679.

Palau Korrer, Tôdai-yama 1854! In dense wet jungles at about 150 m altitude.

Lentibulariaceae

Utricularia LINNAEUS

Utricularia bifida LINN. Sp. Pl. (1753) 18; MERR. l. c. 141.

Guam; Palau Kamset 525. *Distrib.* India to Japan, Malaya, Philippines, and the Moluccas. *Jap. name*: Mimikakigusa.

Acanthaceae

Acanthus TOURNEFORT

Acanthus ebracteatus VAHL Symb. **2** (1791) 75, t. 40.

Palau Korrer 187, Garamiscan 553, Marikyoku 2037. In thickets along tidal streams. *Distrib.* Andamann Island to Indo-China, Malay Peninsula and Archipelago to Philippines and New Guinea. *Nat. name*: "korir" (Palau). The plant is used by the natives for medicine.

Asystasia BLUME

Asystasia gangetica (LINN.) T. ANDERS. in THWAITES Enum. Pl. Zeyl. (1859-64) 235.

Justicia gangetica LINN. Amoen. Acad. **4** (1759) 299.

Palau Angaur 589. In thickets. *Distrib.* Tropical Africa, Asia, Philippines and Malaya.

Barleria LINNAEUS

Barleria cristata LINN. Sp. Pl. (1753) 636; MERR. l. c. 141.
Saipan 1076; Ponape, Kolonia 1579. Planted. *Distrib.* A native of
India, now cultivated in many tropical countries.

Blechum P. BROWNE

Blechum pyramidatum (LAM.) URB. in FEDDE Reppert. **15** (1918)
323.

Barleria pyramidalis LAM. ex NEES in DC. Prodr. **11** (1847) 243.

Blechum Brownei JUSS. in Ann. Mus. Hist. Nat. Paris **9** (1807)
270; VOLKENS l. c. 475; MERR. l. c. 141.

Gam; Yap; Palau Korrör 213; Ponape Kolonia 864; Saipan 939;
Saligan 2167. *Distrib.* East India; now naturalized in many
warm countries.

Graptophyllum NEES

Graptophyllum pictum (LINN.) GRIFF. Notul. **4** (1854) 139; MERR.
l. c. 142.

Justicia picta LINN. Sp. Pl. ed 2 (1762) 21.

Ponape Metaranium 790. Planted. *Distrib.* Old World Tropics,
introduced in the New World.

Hemigraphis NEES

Hemigraphis pacifica HOSOKAWA in Trans. Nat. Hist. Soc. Formos.
25 (1935) 127.

Palau, Korrör, HOSOKAWA 7400! 463 (KANEHIRA). *Distrib.* Endemic.

Hemigraphis palauana HOSOKAWA l. c. 127.

Palau Babeldaob. HOSOKAWA 7179. *Distrib.* Endemic.

Pseuderanthemum RADLKOEFER

Pseuderanthemum reticulatum (Hort.) comb. nov.

Eranthemum reticulatum Hort. ex Gard. Chron. **1** (1875) 619.

Saipan 1077. Planted in hedges. *Distrib.* Polynesia.

Pseuderanthemum sp. nov. ?

Palau Garamiscan 561. In thickets.

Ruellia PLUMIER

Ruellia repens LINN. Mant. **1** (1769) 89.

Saipan 940. In open grasslands. *Distrib.* Burma to China and Malaya. *Jap. name*: Ruirasô.

Thunbergia LINNAEUS

Thunbergia alata BOJ. in HOOK. Exct. Fl. (1823-27) t. 177; MERR. l. c. 142.

Guam. *Distrib.* A native of tropical Africa, now naturalized in many other tropical countries.

Myoporaceae

Myoporum BANKS & SOLANDER

Myoporum tenuifolium FORST. f. Prodr. 44.

Rota 1819; Tinian 1051, 1071. In thickets along the seashore. *Distrib.* Australia to New Caledonia.

Rubiaceae

Amaracarpus BLUME

Amaracarpus carolinensis VAL. in ENGL. Bot. Jahrb. **63** (1930) 318; KANEHIRA in Bot. Mag. **49** (1935) 274.

Palau 2475, Truk 1289. *Distrib.* The type from Korrer, Palau, endemic. The specimen compared with the type.

Amaracarpus carolinensis var. **squarrosa** VAL. l. c. 319; KANEHIRA l. c. 274.

Ponape Kolonia 655, 1506; Kusai 1390; Truk 1297. The plant was compared with the type LEDERMANN 13267. *Distrib.* The type from Ponape, endemic.

Amaracarpus heteropoides VAL. l. c. 320.

Kusai 1390, 1442. *Distrib.* The type from Ponape, endemic.

Amaracarpus hirtellus VAL. l. c. 320; KANEHIRA l. c. 275.

Ponape Nânaraut-zan 1619. In primary forests at about 450-500 m altitudes. *Distrib.* The type from Ponape, endemic.

Amaracarpus Kanehirae HOSOKAWA in Trans. Nat. Hist. Soc. Formos. **25** (1935) 35.

Amaracarpus kusaiensis KANEHIRA l. c. 276. f. 26.

Kusai 1339! In primary forests at about 300 m alt. *Distrib.* Endemic.

Amaracarpus Kraemeri VAL. l. c. 319; KANEHIRA l. c. 275.

Ponape 655! In primary forests. *Distrib.* The type from Truk, endemic. The specimen compared with the type.

Amaracarpus macrophylla VAL. l. c. **63** (1930) 317, KANEHIRA in Bot. Mag. Tokyo **49** (1935) 276.

Ponape 1671. In primary forests at about 600-700 m altitudes. The specimen compared with the type KRAEMER 31.

Distrib. The type from Ponape and Truk (Tol?), endemic.

Amaracarpus mariannensis KANEHIRA in Bot. Mag. Tokyo **49** (1935) 926.

Aramagan 2186. In the bushy jungle near the crater of Aramagan, Marianne Islands. *Distrib.* Endemic.

Amaracarpus rotensis HOSOKAWA in Trans. Nat. Hist. Soc. Formos. **25** (1935) 35.

Psychotria ladronica HOSOKAWA in Jour. Soc. Trop. Agr. **6** (1934). 669, *nom. nud.*

Amaracarpus ladronicus HOSOKAWA in Trans. Nat. Hist. Soc. Formos. **25** (1935) 269.

Rota HOSOKAWA 7614! 8675! *Distrib.* Endemic.

Badusa A. GRAY

Badusa palauensis VAL. in ENGL. Bot. Jahrb. **63** (1930) 299; KANEHIRA l. c. **45** (1931) 348.

Palau, a coral island near Korror 216, 1893, 2406, 2478, Tôdaiyama 1856. In coral rock. *Distrib.* The type from Palau, endemic.

Bikkia REINWARDT

Bikkia mariannensis BROGN. in Bull. Bot. Fr. **13** (1866) 42; MERR. l. c. 142; VAL. in ENGL. l. c. **63** (1930) 289; KANEHIRA l. c. **45** (1931) 348, Fl. Micr. 355, f. 184 F.

Bikkia longicarpa VAL. l. c. 289.

Saipan 1033, Rota 1744, 1822. *Distrib.* The type from Guam. The type locality of *Bikkia longicarpa* VAL. is Rota.

Bikkia palauensis VAL. l. c. **63** (1930) 288, KANEHIRA l. c. 348, Fl. Micr. 354, f. A-E.

Palau Korror 222, 246, 369, 1857, 1892, 2411, 2450, 2779. In thickets and rocky reefs along the seashore. *Distrib.* The type from Palau, endemic.

Canthium LAMARCK

Canthium korrense (VAL.) KANEHIRA in Bot. Mag. Tokyo **46** (1932) 671.

Plectronia korrensis VAL. in ENGL. Bot. Jahrb. **63** (1930) 311.

Ponape 1482, 1489, 1497, 1520, 1523, 1546, 1653. In primary forests between Kolonia and Parkier at altitudes 100-250 m. *Distrib.* Endemic. The type from Ponape (not Korrer, Palau).

Canthium oblongum (VAL.) KANEHIRA l. c. 671.

Plectronia oblonga VAL. l. c. 310.

Geniostoma niinoanense KANEHIRA in Bot. Mag. Tokyo **45** (1931) 341.

Ponape Niinonani-zan 798, Parkier 1699. In primary forests at medium altitudes. *Distrib.* The type from Ponape, endemic.

Canthium polyneurum (VAL.) KANEHIRA l. c. **46** (1932) 672, **49** (1935) 274, Phot. 3.

Plectronia polyneura VAL. l. c. 309; KANEHIRA in Bot. Mag. Tokyo **48** (1935).

Psychotria Merrillii KANEHIRA l. c. **46** (1932) 674.

Ponape Niinoani-zan 843, Nanaraut-zan 1605, 1618, 1661. In dense primary forests at 4-500 m altitudes. *Distrib.* Endemic.

Canthium tinianense (KANEHIRA) KANEHIRA in Bot. Mag. Tokyo **49** (1935) 354.

Randia tinianensis KANEHIRA l. c. **46** (1932) 494.

Canthium odoratum (non SEEM.) KANEHIRA Fl. Micr. (1933) 375, f. 186.

Tinian 50, 1059, 1069, 2275; Rota 1745 B. In primary forests along the seashore. *Distrib.* So far known only from Tinian and Rota.

Canthium Valetonii (VAL.) KANEHIRA l. c. **46** (1932) 671.

Plectronia obovata VAL. l. c. 311, non *Canthium obovatum* KLOTZSCH in ECKL. et ZEYH. Enum. (1834-37) 361.

Distrib. Endemic, the type from Ponape. This is very likely a synonym of *C. polyneurum*.

Canthium verticillatum (VAL.) KANEHIRA l. c. **46** (1932) 672.

Plectronia verticillata VAL. 312.

Palau: Armatin 473, Korrer 332 b, 336, Arumonogui 2086, 2773.
Distrib. Endemic, the type from Palau.

Borreria C. F. W. MEYER

Borreria hispida (LINN.) K. SCHUM. in ENGL. & PRANTL Nat. Pflanzenf. **4**, 4 (1891) 144; VOLKENS l. c. 477; VAL. l. c. **63** (1930) 323.

Spermacoce hispida LINN. Sp. Pl. (1753) 102.

Yap (VOLKENS). *Distrib.* India to China, Formosa, Philippines and Malaya. *Jap. name*: Hari-hutaba.

Borreria ocymoides (BURM. f.) DC. Prodr. **4** (1830) 544; VAL. l. c. 322.

Spermacoce ocymoides BURM. f. Fl. Ind. (1768) 34, t. 13, f. 1.

Yap (VOLKENS). *Distrib.* Tropical Africa, Asia and Malaya.

Borreria rotundifolia VAL. in ENGL. l. c. 323.

Ponape, Paillapalap (LEDERMANN). *Distrib.* The type from Ponape, endemic.

Coffea LINNAEUS

Coffea arabica LINN. Sp. Pl. (1753) 172.

Ponape Kolonia 1599. Planted. *Distrib.* A native of Africa, now widely scattered in cultivation. Cultivated in Saipan. Coffee.

Gardenia ELLIS

Gardenia augusta (LINN.) MERR. Interpret. Herb. Amb. (1917) 485. *Varneria augusta* LINN. Amoen. Acad. **4** (1759) 136.

Kusai Moto 1423. Planted. *Distrib.* A native of southern China. Widely cultivated for ornamental purposes, but nowhere spontaneous. *Jap. name*: Korin-Kutinasi.

Geophila D. Don

Geophila herbacea (JACQ.) O. KTZE. Rev. Gen. Pl. (1891) 300; MERR. l. c. 143.

Psychotria herbacea JACQ. Enum. Pl. Carib. (1760) 16.

Geophila reniformis D. DON Prodr. Fl. Nepal. (1825) 136; VAL. in ENGL. l. c. **63** (1930) 316.

Ponape Kolonia 743; Kusai 1396. In forests at low altitudes. *Distrib.* Pantropic. *Jap. name*: Aoimodoki.

Guettarda LINNAEUS

Guettarda speciosa LINN. Sp. Pl (1753) 991; VOLKENS l. c. 475; MERR. l. c. 143; VAL. in ENGL. l. c. **63** (1930) 304; KANEHIRA l. c. 348, Fl. Micr. 358, f. 187.

Saipan 3, 978; Tinian 1062; Palau Korrer 99, 1911, 2477; Kusai 1411; Rota 1738. In forests and thickets along the seashore. *Distrib.* Paleotropic. *Nat. name*: "Kenrak." *Jap. name*: Simahabiro.

Gynochthodes BLUME

Gynochthodes ovalifolia (VAL.) KANEHIRA in Bot. Mag. Tokyo **46** (1931) 351.

Plectronia ovalifolia VAL. in ENGL. l. c. **63** (1930) 310.

Palau, a coral island 235, Korrer 332, 2472. In thickets and primary forests. *Distrib.* Endemic.

Hedyotis LINNAEUS

Hedyotis aimiriikensis KANEHIRA in Trans. Nat. Hist. Soc. Formos. **25** (1935) 4. f. 3.

Palau 2369! In thickets at low altitudes. *Distrib.* Endemic.

Hedyotis cornifolia KANEHIRA l. c. 5. f. 6.

Palau 2088! In open waste fields. *Distrib.* Endemic.

Hedyotis divaricata (VAL.) HOSOKAWA in Trans. Nat. Hist. Soc. Formos. **24** (1934) 204.

Oldenlandia divaricata VAL. in ENGL. l. c. 292.

Palau Korrer (LEDERMANN). *Distrib.* Endemic.

Hedyotis fruticulosa (VOLKENS) MERR. in Philip. Journ. Sci. **15** (1919) Bot. 544.

Oldenlandia fruticulosa VOLKENS l. c. 475; VAL. l. c. **63** (1930) 293.

Palau Marikyoku 394; Yap 1126. In open grasslands at low altitudes. *Distrib.* The type from Yap, endemic.

Hedyotis korrensis (VAL.) HOSOKAWA l. c. 204.

Oldenlandia korrensis VAL. l. c. 294.

Palau Korrer 394. *Distrib.* The type from Korrer, Palau, endemic.

Hedyotis korrensis var. **mollis** (VAL.) HOSOKAWA l. c. 204.

Oldenlandia korrensis var. *mollis* VAL. l. c. 295.

Palau, Korrer, 394. *Distrib.* Endemic.

Hedyotis laciniata (non *lacinata*) KANEHIRA l. c. 6, f. 7.

Hedyotis alamaganensis HOSOKAWA in Trans Nat. Hist. Soc. Formos.
25 (1935) 37.

Aramagan 2181! In thickets at about 200 m altitudes. *Distrib.*
Endemic.

Hedyotis lutescens KANEHIRA l. c. 4, f. 4.

Palau 1980! In open grasslands. *Distrib.* Endemic.

Hedyotis mariannensis MERR. in Philip. Journ. Sci. 9 (1914) Bot.
114.

Oldenlandia mariannensis (MERR.) VAL. l. c. 296.

Saipan 1030; Aramagan 2184; Rota 1733, 1815. In thickets. *Dis-*
trib. The type from Guam, endemic.

Hedyotis megalantha MERR. l. c. 143.

Oldenlandia megalantha (MERR.) VAL. l. c. 298.

Guam. *Distrib.* Known only from Guam.

Hedyotis plurifurcata HOSOKAWA l. c. 203.

Palau, Ruis Arumonogui HOSOKAWA 6834. *Distrib.* Endemic.

Hedyotis ponapensis (VAL.) KANEHIRA Fl. Micr. (1933) 463.

Oldenlandia ponapensis VAL. l. c. 296.

Ponape Niinoani-zan 823, Nânaraut-zan 1611, 1640. In forests at
high altitudes. *Distrib.* Endemic.

Hedyotis sariganensis HOSOKAWA in Trans. Nat. Hist. Formos. 25.
(1935) 36.

Sarigan HOSOKAWA 7888! *Distrib.* Endemic.

Hedyotis scabridifolia KANEHIRA l. c. 7, f. 8.

Hedyotis saipanensis HOSOKAWA in Trans. Nat. Hist. Soc. Formos.
25 (1935) 37.

Saipan 45! In open grasslands. *Distrib.* Endemic.

Hedyotis tomentosa (VAL.) HOSOKAWA l. c. 204.

Oldenlandia tomentosa VAL. l. c. 292.

Palau 120, 2108, 2043. The type from Palau. *Distrib.* Endemic.

Hedyotis uncinelloides (VAL.) HOSOKAWA l. c. 204.

Oldenlandia uncinelloides VAL. l. c. 295.

East Carolines, Station Leperei (LEDERMANN). *Distrib.* Endemic.

Hedyotis verticillata (LINN.) LAM. Tab. Encycl. **1** (1791) 271.

Oldenlandia verticillata LINN. Mant. **1** (1767) 40.

Palau Marikyoku 489. In open grasslands at medium altitudes.

Distrib. India to southern China, Philippines and Malaya. *Jap. name*: Ke-nioigusa.

Hedyotis yapensis KANEHIRA l. c. 5. f. 5.

Yap 1230. In thickets at waste fields. *Distrib.* Endemic.

Hydonophytum JACK

Hydonophytum Horneanum BECC. in Malesia **2** (1884-6) 168, t. 43, f. 15-25; Val. l. c. 321.

Palau (KRAEMER). *Distrib.* Polynesia, the type from Fiji.

Ixora LINNAEUS

Ixora amplexifolia LAUT. et K. SCHUM. in ENGL. Bot. Jahrb. **63** (1930) 312.

Truk Moen 1702 (fr.) *Distrib.* The type from Tol, Truk, endemic.

Ixora carolinensis (VAL.) HOSOKAWA in Trans. Nat. Hist. Soc. Formos. **25** (1985) 268.

Ixora confertiflora VAL. l. c. 313; KANEHIRA l. c. 349, Fl. Micr. 362, f. 189.

Palau 125, 284, 1914, 1848, 2034, 2360; Ponape 636, 1469; Kusai 1311, 1323. The type from Palau. *Distrib.* Endemic.

Ixora carolinensis var. *parviflora* HOSOKAWA l. c. 268.

Ixora confertiflora var. *parviflora* HOSOKAWA in Trans. Nat. Hist. Soc. Formos. **24** (1934) 204.

Palau 515. *Distrib.* Endemic.

Ixora triantha VOLKENS l. c. 476; MERR. l. c. **9** (1914) Bot. 145; KANEHIRA l. c. 349, Fl. Micr. 363, f. 190.

Yap 1127, 1167. In forests at low and medium altitudes. *Distrib.* The type from Yap, otherwise known only from Guam.

Ixora Volkensii (VOLKENS) HOSOKAWA l. c. 259.

Ixora pulcherrima VOLKENS in ENGL. Bot. Jahrb. **31** (1901) 476; KANEHIRA l. c. 349, Fl. Micr. (1933) 360, f. 188.

Yap 1093, 1122, 1185. In thickets and primary forests at low and medium altitudes. *Distrib.* The type from Yap, endemic.

Ixora Volkensii* var. *lanceolata* KANEHIRA *nom nov.

Ixora pulcherrima var. *lanceolata* KANEHIRA Fl. Micr. 361.

Yap 1092. The leaves lanceolate and much smaller than the species.

Distrib. Endemic.

Morinda LINNAEUS

***Morinda citrifolia* Sp. Pl. (1753) 176; VOLKENS l. c. 477; MERR. l. c. 145; KOIDZ. in Bot. Mag. Tokyo 29 (1915) 255; KANEHIRA in Bot. Mag. Tokyo 45 (1931) 350, Fl. Micr. 364, f. 191.**

Tipian 54; Palau Korrer 180; Ponape Kolonia 705; Saipan 1027; Kusai 1315. Very common along the seashore. *Distrib.* India to Polynesia. *Nat. names:* "woipel" (Ponape), "lada" (Saipan and Rota), "alin" (Truk), "e" (kusai). *Jap. name:* Yaeyama-aoki.

***Morinda glandulosa* MERR. l. c. 146; KANEHIRA l. c. 350, Fl. Micr. 365, f. 192.**

Saipan 10, 926, 2223, 2241. In forests at medium altitudes. *Distrib.* The type from Guam, endemic.

***Morinda latibracteata* VAL. in ENGL. l. c. 63 (1930) 321; KANEHIRA l. c. 350, Fl. Micr. 366, f. 193.**

Palau, a coral island 214, 1866, 1887. In primary forests. *Distrib.* The type from Palau, endemic.

***Morinda pedunculata* VAL. in ENGL. l. c. 63 (1930) 322; KANEHIRA l. c. 350, Fl. Micr. 367, f. 194.**

Palau 409, 504, 1864, 1927, 2322. In forests at low altitudes. *Distrib.* The type from Palau, endemic.

***Morinda volubilis* (BLANCO) MERR. in Philip. Journ. Sci. 1 (1906) Suppl. 137, Sp. Blancoanae (1918) 369; KANEHIRA Fl. Micr. (1834) 368, f. 195.**

Coffea volubilis BLANCO Fl. Filip (1837) 157.

Ponape Kity 1527. In primary forests at medium altitudes. *Distrib.* Philippines.

Mussaenda LINNAEUS

***Mussaenda sericea* BL. Bijdr. (1826) 919; VAL. in ENGL. l. c. 63 (1930) 300; KANEHIRA l. c. 351.**

Mussaenda frondosa (non LINN.) VOLKENS l. c. 475.

Palau Korror 90, 1993; Yap 1100, 1157, 1177. *Distrib.* Moluccas.
Nat. name: "ereroi" (Palau).

Mycetia REINWARDT

Mycetia lateriflora BL. Bijdr. (1826) 988; VAL. in ENGL. l. c. 63
(1930) 301.

Palau Babeldaob (LEDERMANN). *Distrib.* Java, Philippines to Malay
Peninsula.

Oldenlandia LINNAEUS

Oldenlandia albido-punctata MERR. in Philip. Journ. Sci. 9 (1914)
Bot. 147; VAL. l. c. 297.

Saipan 1031, Anatahan 2152. Along the seashore. *Distrib.* The
type from Guam; endemic.

Oldenlandia auricularia (LINN.) F.-MUELL. Census (1882) 47; VOL-
KENS l. c. 475; VAL. l. c. 297.

Hedyotis auricularia LINN. Sp. Pl. (1753) 101.

Yap (VOLKENS) *Distrib.* India to southern China through Malaya
to Australia.

Oldenlandia biflora LINN. Sp. Pl. (1753) 119; MERR. l. c. 146.

Oldenlandia paniculata LINN. Sp. Pl. ed 2 (1763) 1667; VOLKENS
l. c. 475; VAL. l. c. 297.

Palau, a coral island 229, 2016, 2402. On coral rock. *Distrib.* India
to China, Malaya, and Polynesia. *Jap. name*: Sima-sonare-
mugura.

Oldenlandia corymbosa LINN. Sp. Pl. (1753) 119; MERR. l. c. 146;
VAL. l. c. 297.

Ponape (LEDERMANN). *Distrib.* Pantropic, but probably a native of
the Old world. *Jap. name*: Tamazaki-hutabamugura.

Oldenlandia herbacea (LINN.) ROXB. Fl. Ind. 1 (1820) 445; VOL-
KENS l. c. 475; VAL. 297.

Hedyotis herbacea LINN. Sp. Pl. (1753) 102.

Yap (VOLKENS). *Distrib.* Tropical Africa and Asia to Malaya.

Oldenlandia vestita (BR.) DRAKE in Journ. Bot. 9 (1895) 24; VAL.
l. c. 297.

Hedyotis vestita BR. in WALL. Cat. no. 874.

Palau Babeldaob (LEDERMANN). *Distrib.* Malaya.

Ophiorrhiza LINNAEUS

Ophiorrhiza palauensis VAL. in ENGL. Bot. Jahrb. **63** (1930) 298. Palau Korrör 223, 248, 1873, 1883. On coral rock. *Distrib.* The type from Korrör, endemic.

Psychotria LINNAEUS

Psychotria arbuscula VOLKENS in ENGL. l. c. **31** (1901) 476; KANEHIRA l. c. 350.

Yap 1168, 1186. In thickets and forests at medium altitudes. *Distrib.* The type from Yap, endemic.

Psychotria diospyrifolia KANEHIRA in Bot. Mag. Tokyo **49** (1935) 355.

Palau 2340! In dense primary forests. *Distrib.* Endemic.

Psychotria Gaudichaudii KANEHIRA in Bot. Mag. Tokyo **49** (1935) 926 f. 11.

Rota 1752, 1755; Aramagan 2194; Saligan 2159. In dense primary forests at medium altitudes. *Distrib.* Endemic.

Psychotria lasianthoides VAL. in ENGL. l. c. **63** (1930) 314.

Ponape Parkier 1476, 1560, 1628. In primary forests at low altitudes. *Distrib.* The type from Ponape, endemic.

Psychotria leptothyrsa MIQ. in Ann. Mus. Bot. Lugd.-Bat. **4** (1868-69) 208, var. **longicarpa** VAL. in ENGL. l. c. 315.

Palau 278, 1959, 2101, 2054, 2313, 2758; Yap 1187. in primary forests at low and medium altitudes. The specimens compared with the type. *Distrib.* The species in Moluccas to New Guinea, the variety endemic, the type from Palau.

Psychotria leptothyrsoides KANEHIRA in Bot. Mag. Tokyo **49** (1935) 355.

Truk 1270, 1279. In dense primary forests at about 300 m altitude. *Distrib.* Known only from Truk.

Psychotria Malaspinæ MERR. in Philip. Journ. Sci. **9** (1914) Bot. 148.

Guam. *Distrib.* The type from Guam, endemic.

Psychotria mariana BARTL. ex DC. Prodr. **4** (1830) 522; MERR. l. c. 148; VAL. l. c. 315; KANEHIRA l. c. 350, Fl. Micr. 370, f. 196.

Saipan 12, 884, 918, 1008, 2226; Tainian 53, 64, 2263, 2270, 2271; Rota 1745 A; Pagan 2205. In thickets and forests along the seashore. *Distrib.* endemic, the type from Guam.

Psychotria mycetoides VAL. in ENGL. l. c. 315.

Palau 458, 1880, 1909. 2329, 2476. *Distrib.* The type from Palau, (LEDERMANN), endemic.

Psychotria palauensis HOSOKAWA in Trans. Nat. Hist. Soc. Formos. **25** (1935) 38.

Psychotria rotensis (non KANEHIRA) HOSOKAWA l. c. **24** (1934) 204. Palau HOSOKAWA 7476! *Distrib.* Endemic.

Psychotria rhombocarpa KANEHIRA in Bot. Mag. Tokyo **46** (1932) 493, Fl. Micr. (1933) 372, f. 198.

Kusai 1321, 1333, 1403, 1439. In damp primary forests at medium altitudes. *Distrib.* Endemic.

Psychotria rotensis KANEHIRA Fl. Micr. (1933) 373, f. 199, nom. seminud et in Bot. Mag. Tokyo **47** (1933) 678.

Rota 1795! 1740. In dense primary forests near the seashore.

Psychotria rotundifolia VAL. in ENGL. l. c. 316.

Saligan (GIBBON). *Distrib.* The type from Saligan, endemic.

Randia HOUSTON

Randia carolinensis VAL. in ENGL. Bot. Jahrb. **63** (1930) 301.

Truk (KRAEMER). *Distrib.* The type from Truk, endemic.

Randia racemosa (CAV.) F.-VILL. Novis App. (1880) 108; MERR. l. c. 149; VAL. in ENGL. l. c. **63** (1930) 302; KANEHIRA l. c. 349, Fl. Micr. 375, f. 200.

Stylocaryna racemosa CAV. Ic. **3** (1797) 46, t. 368.

Randia Gräffi REINECKE in ENGL. l. c. **15** (1898) 683; VOLKENS l. c. 475.

Palau 217, 346, 368, 520, 1913, 2000, 2461; Ponape 850, 1559; Kusai 1315; Yap 1108; Saipan 43, 922; Tinian 61, 1047; Rota 1761; Saligan 2158.

Very common in forests along the seashore. *Distrib.* Riu-kiu Islands, Formosa and southern China to Malaya and tropical Australia. *Nat. names*: "kahmant" (Ponape), "smak" (Saipan). *Jap. name*: Misao-no-ki.

Scyphiphora GAERTNER

Scyphiphora hydrophyllacea GAERTN. f. *Fruct.* **3** (1805) 91, t. 196; VOLKENS l. c. 475; VAL. in ENGL. l. c. **63** (1930) 302; KANEHIRA l. c. 349, *Fl. Micr.* 378, f. 202.

Palau Korrer 147, 333, 2078. In mangrove swamps. *Distrib.* Through Malaya to New Caledonia. *Nat. names:* "guat" or "quat" (Palau), "gause" (Yap).

Tarenna GAERTNER

Tarenna glabra MERR. in Philip. Journ. Sci **9** (1914) Bot. 149; VAL. in ENGL. l. c. **63** (1930) 304; KANEHIRA l. c. 349, *Fl. Micr.* 379, f. 203.

Saipan 889; Rota 1736, 1786, 1801. In primary forests at medium altitudes. *Distrib.* The type from Guam, endemic. *Nat. name:* "smagdara" (Saipan).

Tarenna sambucina (A. GRAY) LAUT. et K. SCHUM. *Fl. Deutsch. Schutzgeb. Südsee* (1901) 561; VOLKENS l. c. 475; VAL. l. c. 303; KANEHIRA l. c. 349, *Fl. Micr.* 380, f. 204.

Stylocaryna sambucina A. GRAY in *Proc. Am. Acad.* **4** (1859) 309. Palau, a coral island 239, 2469; Yap 1169. In thickets and forests at low altitudes. *Distrib.* Fiji Islands.

Timonius DE CANDOLE

Timonius albus VOLKENS in ENGL. Bot. Jahrb. **31** (1901) 475; VAL. *ibid.* **63** (1930) 306; KANEHIRA l. c. 350, *Fl. Micr.* 381, f. 206.

Yap 1145, 1176, 1200. In forests at low altitudes. *Distrib.* Known only from Yap, endemic.

Timonius corymbosus VAL. l. c. 308; KANEHIRA l. c. 350, *Fl. Micr.* 382, f. 206.

Palau Marikyoku 415! In forests at low altitudes. *Distrib.* The type from Palau, endemic.

Timonius korrensis KANEHIRA in *Bot. Mag. Tokyo* **45** (1931) 351, *ibid.* **49** (1935) 278, f. 27, *Fl. Micr.* 383, f. 207.

Palau Korrer 105!, 460!, 2436, 2444, 2462, 2466. In rocky shores. *Distrib.* Endemic.

Timonius Ledermannii VAL. l. c. 305; KANEHIRA l. c. 350, Fl. Micr. 384, f. 208.

Ponape Niinoani-zan 833, Tortom-zan 1564, 1565, Nānaraut-zan 1638, 1638. In primary forests at higher altitudes (650-720 m). *Distrib.* The type from Ponape, endemic.

Timonius mollis VAL. l. c. 308; KANEHIRA l. c. 351, Fl. Micr. 386, f. 209.

Palau Marikyoku 415. In thickets near Gardok Pond. *Distrib.* The type from Palau, endemic.

Timonius nitidus (BARTL.) F.-VILL. Novis App. Fl. Filip. (1880) 109; MERR. in Philip. Journ. Sci. **15** (1919) Bot. 544.

Tetesia nitida BARTL. in DC. Prod. **4** (1830) 395.

Guam. *Distrib.* Endemic. The Philippine locality cited in the original description is error (MERRILL l. c.).

Timonius ponapensis VAL. l. c. 306; KANEHIRA l. c. Fl. Micr. 386, f. 210.

Ponape Kolonia 652, 1490, Parkier 1510, 1521, Kity 1544, Tortom-zan 1573, Nānaraut-zan 1624. In primary forests from low to medium altitudes, endemic.

Timonius subauritus VAL. l. c. 307; KANEHIRA l. c. 351, Fl. Micr. 388, f. 211.

Palau 145, 505, 1928, 1932, 1962, 2055, 2069, 2284, 2323, 2344. In forests along the seashore. *Distrib.* The type from Palau, endemic.

Timonius villosissimus KANEHIRA in Bot. Mag. Tokyo **48** (1934) 923. f. 9.

Palau Aimiriik 2305!, 2056 (sterile). In primary forests. *Distrib.* Endemic.

Trukia KANEHIRA

Trukia megacarpa KANEHIRA in Bot. Mag. Tokyo **49** (1935) 278, f. 28.

Timonius megacarpus KANEHIRA l. c. **46** (1932) 494.

Rhopalobrachium megacarpum KANEHIRA l. c. 674.

Truk, Tol 1275, 1712, 1713. In thickets and forests, Tol, Truk Island, above 400 m altitude. *Distrib.* Endemic.

Uncaria SCHREBER

Uncaria korrensis KANEHIRA in Bot. Mag. Tokyo **48** (1934) 924, f. 10.

Palau 116, 1849!, 33181!. In thickets and forests. *Distrib.* Endemic

Cucurbitaceae**Benicasa** SAVI

Benicasa hispida (THUNB.) COGN. in DC. Monog. Phan. **3** (1881) 513; MERR. l. c. 150.

Cucurbita hispida THUNB. Fl. Jap. (1874) 322.

Guam. Cultivated. *Distrib.* Cultivated in the tropics of both hemispheres. *Jap. name:* Tôgan.

Cucumis TOURNEFORT

Cucumis Melo LINN. Sp. Pl. (1753) 1011; VOLKENS l. c. 477.

Yap (VOLKENS). *Distrib.* Cultivated in all warm countries. The common melon. *Jap. name:* Makuwa-uri.

Cucumis sativus LINN. Sp. Pl. (1753) 1012; MERR. l. c. 151.

Guam. *Distrib.* Cultivated in all warm countries. *Jap. name:* Kiuri.

Cucurbita TOURNEFORT

Cucurbita maxima DUCH. in LAM. Encycl. **2** (1786) 151; MERR. l. c. 151,

Guam. *Distrib.* Cultivated in all warm countries. *Jap. name:* Taiwan-kabotya.

Cucurbita Pepo LINN. Sp. Pl. (1753) 1010; VOLKENS l. c. 477.

Yap. *Distrib.* A native of tropical Africa.

Lagenaria SERINGE

Lagenaria leucantha (DUCH.) RUSBY in Mem. Torr. Bot. Club. **6** 43; MERR. l. c. 151,

Cucurbita leucantha DUCH. in LAM. Encycl. **2** (1782) 150.

Lagenaria vulgaris SERINGE in Mém. Soc. Phys. Hist. Nat. Geneve **3** (1825) 25, DC. Prodr. **3** (1828) 299; VOLKENS l. c. 477.

Yap (VOLKENS). *Distrib.* Pantropic in cultivation. *Jap. name:* Yûgao.

Luffa TOURNEFORT

Luffa cylindrica (LINN.) ROEM. Syn. Repon. **2** (1846) 63; MERR. in Philip. Journ. Sci. **9** (1914) Bot. 151.

Momordica luffa LINN. Sp. Pl. (1753) 1009.

Guam. *Distrib.* Native of the tropics of the Old World, now wild or cultivated in all countries. *Jap. name*: Hetima.

Melothria LINNAEUS

Melothria guamensis MERR. in Philip. Journ. Sci. **9** (1914) Bot. 151; HOSOKAWA in Trans Nat. Hist. Soc. Formos. **24** (1934) 205.

Guam; Ponape & Saipan (HOSOKAWA). *Distrib.* Endemic, the type from Guam.

Momordica TOURNEFORT

Momordica charantia LINN. Sp. Pl. (1753) 1009; MERR. l. c. 152.

Guam, *Distrib.* In all tropical countries. *Jap. name*: Naga-reisi.

Campanulaceae**Isotoma** LINDLEY

Isotoma longiflora (MILL.) PRESL Prodr. Lobel. (1836) 42.

Rapuntium longiflorum MILL. Gard. Dict. ed. 8 (1768) No. 7.

Saipan 1075. In settled areas. *Distrib.* Introduced from tropical America.

Goodeniaceae**Scaevola** LINNAEUS

Scaevola frutescens (MILL) KRAUSE in ENGL. Pflanzcnr. **54** (1912) 125, f. 25; DIELS in ENGL. Bot. Jahrb. **56** (1921) 561; KANEHIRA l. c. 352.

Lobelia frutescens MILL. Gard. Dict. ed. 8 (1768) 561.

Scaevola Koenigii VAHL, Symb. **3** (1794) 36.

Palau Korrer 94, 354, 2410, 2778; Tôdai-yama 1888; Kusai 1366; Yap 1135. A strand plant. *Distrib.* India to Madagascar, through Malaya to tropical Australia and Polynesia. *Nat. name*: "kusros" (Kusai). *Jap. name*: Kusatobera.

Scaevola frutescens var. *sericea* (FORST.) MERR. in Philip. Journ. Sci. **7** (1912) Bot. 354.

Scaevola sericea FORST. Prodr. (1786) 504; PRESL Rel. Haenk. **2** (1830) 57.

Palau Angaur 598, Kusai 1366; Aramagan 2195. *Distrib.* Philippines to Polynesia.

Compositae

Adenostemma FORSTER

Adenostemma lavenia (LINN.) O. KTZE. Rev. Gen. Pl. (1891) 304; MERR. Interpret. Herb. Amb. (1917) 497.

Verbesina viscosum FORST. Char. Gen. (1776) 90; VOLKENS l. c. 477; MERR. l. c. 153.

Yap (VOLKENS); Guam. In open waste places along streams. *Distrib.* Pantropic. *Jap. name*: Numa-daikon.

Ageratum LINNAEUS

Ageratum conyzoides LINN. Sp. Pl. (1753) 839; VOLKENS l. c. 477; MERR. l. c. 152; KOIDZ. in Bot. Mag. Tokyo **29** (1915) 255.

Palau Korrer 119, 291, 347; Ponape 729; Saipan 994; Yap, Guam, Jaluit. A common weed in waste places. *Distrib.* A native of tropical America, now pantropic. *Jap. name*: Kwakkô-azami.

Artemisia LINNAEUS

Artemisia vulgaris LINN. Sp. Pl. (1753) 848; MERR. l. c. 153.

Guam. *Distrib.* All warm countries. *Jap. name*: Yomogi.

Blumea DE CANDOLLE

Blumea laciniata (ROXB.) DC. Prodr. **5** (1836) 436; MERR. in Philip. Journ. Sci. **15** (1919) Bot. 544.

Conyza laciniata ROXB. Hort. Beng. (1814) 61, nom. nud., WALL. Cat. (1831) No. 3100, nom. nud., Fl. Ind. ed 2, **3** (1832) 427.

Guam (MERRILL). Introduced. *Distrib.* Tropical Asia and Malaya.

Blumea mollis (DON) MERR. in Philip. Journ. Sci. **5** (1910) Bot. 395, **9** (1914) Bot. 153.

Erigeron molle D. DON Prodr. Fl. Nepal. (1825) 172.

Guam. *Distrib.* Tropical Asia and Africa through Malaya to tropical Australia and western Polynesia.

Chrysanthemum TOURNEFORT

Chrysanthemum indicum LINN. Sp. Pl. (1773) 889; MERR. l. c. 9 (1914) Bot. 153.
Guam. *Distrib.* Cultivated in all warm countries. *Jap. name:* Hama-kangiku.

Eclipta LINNAEUS

Eclipta alba (LINN.) HASSK. Pl. Jav. Rar. (1848) 528; VOLKENS l. c. 477; MERR. l. c. 153.
Verbesina alba LINN. Sp. Pl. (1753) 902.
Guam, Yap. A common weed. *Distrib.* All warm countries. *Jap. name:* Takasaburô.

Elephantopus LINNAEUS

Elephantopus mollis HBK. Nov. Gen. & Sp. Pl. 4 (1820) 26; MERR. l. c. 153.
Guam. *Distrib.* A native of Mexico, now widely distributed. *Jap. name:* Sirobana-ikakôzorina.
Elephantopus scaber LINN. Sp. Pl. (1753) 814; VOLKENS l. c. 477; MERR. l. c. 154.
Ponape Kolonia 691, Pagan 2210. In open grasslands and waste places. *Distrib.* Pantropic. *Jap. name:* Misumigusa.
Elephantopus spicatus AUBLET Pl. Guin. 2 (1775) 808; MERR. l. c. 154.
Saipan 932. In waste places in the settled areas. *Distrib.* A native of Mexico, now common in the Philippines and southern China. *Jap. name:* Hozaki-igakôzorina.

Glossogyne CASSINI

Glossogyne tenuifolia CASS. Dict. Sci. Nat. 2 (1827) 475; MERR. l. c. 154.
Yap 1224; Pagan 2212. In open waste places. *Distrib.* Southern China, Hainan, Formosa, Philippines, Australia to New Guinea.

Synedrella GAERTNER

Synedrella nodiflora (LINN.) GAERTN. Fruct. 2 (1791) 456, t. 171, f. 7; VOLKENS l. c. 477; MERR. l. c. 154; KOIDZ. in Bot. Mag. Tokyo 29 (1915) 255.
Verbesina nodiflora LINN. Amoen Acad. 4 (1759) 290.

Palau Korrer 211, Angaur 586; Truk Dublon 610; Ponape Parkier 622; Saipan 933; Pagan 2215. A ubiquitous weed in open waste places. *Distrib.* A native of America, now pantropic. *Jap. name*: Husizakiso.

Vernonia SCHREBER

Vernonia cinerea (LINN.) LESS. in *Linnaea* **4** (1829) 291, **6** (1831) 673; VOLKENS l. c. 477; MERR. l. c. 154; KOIDZ. l. c. 255.

Conyza cinera LINN. Sp. Pl. (1753) 862.

Saipan 13; Palau 204, Angaur 587; Ponape Kolonia 684; Guam, Yap, Jaluit.

A common weed. *Distrib.* India, Malaya, Formosa, Philippines and western Polynesia. *Jap. name*: Reinan-nogiku.

Vernonia pyrhopappa SCHULZ-BIP. ex KLATT in *Flora* **68** (1885) 203; MERR. Enum. Philip. Fl. **3** (1923) 595.

Vernonia villarii ELM. Leaf. Philip. Bot. **7** (1915) 2593.

Palau Aimiriik 2315. In the edge of primary forests at low altitudes. *Distrib.* Philippines.

Wedelia JACQUIN

Wedelia argentea (GAUDICH.) MERR. in *Philip. Journ. Sci.* **9** (1914) Bot. 155; HOSOKAWA in *Trans. Nat. Hist. Soc. Formos.* **24** (1934) 205.

Verbesina argentea GAUDICH. Bot. Freyc. Voy. (1826) 463.

Guam; Palau (HOSOKAWA). *Distrib.* The type from Guam, endemic.

Wedelia biflora (LINN.) DC. in *WIGHT Contrib. Bot. Ind.* (1834) 18; VOLKENS l. c. 477; MERR. l. c. 154; KOIDZ. l. c. 255.

Verbesina biflora LINN. Sp. Pl. ed. 2 (1763) 1272.

Palau Korrer 199; Ponape Kolonia 674; Kusai 1317; Jaluit; Yap; Guam. In thickets at low altitudes. *Distrib.* India to China, Malaya, Philippines, tropical Australia and western Polynesia. *Jap. name*: Sima-hamaguruma.

Wedelia canescens (GAUDICH.) MERR. in *Philip. Journ. Sci.* **9** (1914) Bot. 155; HOSOKAWA l. c. 205.

Verbesina canescens GAUDICH. Bot. Freyc. Voy. (1826) 463.

Saipan 35; Saligan 2165. In open waste grasslands. *Distrib.* The type from Guam, endemic.

Additions and corrections

Cyperaceae

- Cyperus siberianus** K. SCHUM., K. SCHUM. et K. LAUTERB. Fl. Deutsch. Schutzg. Südsee (1901) 193; HOSOKAWA in Trans. Nat. Hist. Soc. Formos. **25** (1935) 261.
Tinian HOSOKAWA. *Distrib.* India. Malaya to New Guinea.
- Fimbristylis cymosa** var. **microcephala** F. B. H. BR. Fl. South-eastern Polyn. (B. P. Bishop Mus. Bull. 84) (1931) 104; HOSOKAWA l. c. 262.
Alamagan HOSOKAWA. *Distrib.* Southeastern part of Polynesia.
- var. **polycephala** (HILLEBR.) KÜKENTH. in F. B. H. BR. l. c. 104; HOSOKAWA l. c. 262.
Tinian HOSOKAWA. *Distrib.* Hawaiian Islands.
- Schoenus mariannae** HOSOKAWA l. c. 263.
Alamagan HOSOKAWA. *Distrib.* Endemic.
- Rhyncospora ponapensis** HOSOKAWA l. c. 263.
Ponape HOSOKAWA. *Distrib.* Endemic.
- Scleria sumatrensis** Retz. Obs. **5** (1789) 19, t. 2; MERR. Enum. Philip. Fl. Pl. **1** (1922) 135; HOSOKAWA l. c. 264.
Palau HOSOKAWA. *Distrib.* India to Sumatra, Java, Borneo and Philippines.

Palmae

- ? **Cyphophoenix carolinensis** KANEH. et HATUSIMA in sched.
Heterospathe palauensis (non. BECC.) KANEHIRA Fl. Micr. (1933) 76, f. 12 (*carolinensis* is [misprint]), pro parte.
Palau Korrer 1904. A genus known only from New Caledonia. *Distrib.* Endemic.
- Heterospathe palauensis** BECC. in ENGL. Jahrb. 52 (1914) 4.
Palau: Aimiriik 2438 NISIDA Aug. 1933, Arumonogui 2093. The type from Palau. *Nat. name*: "domaile" (Palau).
- Ponapea Hosinoi** KANEHIRA in sched.
Ponape 3704! HOSINO Sept. 1935. Leaflets up to 23 cm wide, fruits ovoid, 2.5 cm long, 2 cm wide, apiculate at the apex, slightly

distorted. Differs from *Ponapea Ledermanni* BECC. by its much smaller fruits and larger leaflets. *Distrib.* Endemic.

***Ponapea palauensis* KANEHIRA Mss.**

Leaflets up to 6-7 cm wide, pistillate flowers sessile, 3 mm in diam., fruits ovoid, 2 cm long, 1.6 cm in diam., apiculate. The plant no doubt belongs to *Ponapea*. Palau; Arumizu, Korrör 3723, S. NISIDA Oct. 1933.

Zingiberaceae

***Globba marantina* LINN. Mant. 2 (1771) 170; MERR. Enum. Philip. Fl. Pl. 1 (1922) 244; HOSOKAWA in Trans. Nat. Hist. Soc. Formos. 25 (1935) 267.**

Palau HOSOKAWA. *Distrib.* Malaya, Philippines to New Guinea.

Piperaceae

***Peperomia mariannensis* C. DC. in DC. Prodr, 15, 1 (1869) 442; HOSOKAWA l. c. 268.**

Marianne Islands. *Distrib.* Endemic.

Ulmaceae

***Trema orientalis* BL. var. *amboinensis* BL. LAUTERB. in ENGL. Bot. Jahrb. 50 (1913) 321; HOSOKAWA in Trans. Nat. Hist. Soc. Formos. 25 (1935) 242.**

Trema amboinensis BLUME Mus. Bot. Lugd.-Bat. 2 (1856) 61.

Palau, HOSOKAWA. *Distrib.* India, Malaya China, Formosa, Philippines, New Guinea, New Caledonia and Australia.

var. ***viridis*** LAUTERB in ENGL. Bot. Jahrb. 50 (1913) 321; HOSOKAWA l. c. 243.

Rota HOSOKAWA. *Distrib.* Malaya, Australia and Polynesia.

***Trema virgata* BL. var. *scabra* BL. Mus. Lugd.-Bat. 2 (1856) 59; LAUTERB. l. c. 314; HOSOKAWA l. c. 243.**

Palau HOSOKAWA. *Distrib.* Moluccas, New Guinea to Australia.

Urticaceae

***Boehmeria boninensis* NAKAI in Bot. Mag. Tokyo 32 (1918) 217; HOSOKAWA in Trans. Nat. Hist. Soc. Formos. 25 (1935) 268.**

Alamagan HOSOKAWA. *Distrib.* Bonin Islands.

Elatostema fenkolense HOSOKAWA l. c. 243.

Kusai HOSOKAWA 6417! *Distrib.* Endemic.

Leguminosae

Rhyncosia calosperma WARB. in ENGL. Bot. Jahrb. **13** (1891) 324;
K. SCHUM. et K. LAUTERB. Fl. Deutsch. Schutzg. Südsee (1901)
370; Merr. Enum. Philip. Fl. Pl. **2** (1923) 316; HOSOKAWA in
Trans. Nat. Hist. Soc. Formos. **25** (1935) 244.

Tinian HOSOKAWA. *Distrib.* New Guinea to Philippines.

Polygalaceae

Salomonica cantoniensis LOUR. Fl. Cochinch. (1790) 14; BENN. in
HOOK. f. Fl. Brit. Ind. **1** (1872) 206; HASSK. in Ann. Mus. Bot.
Lugd.-Bat. **1** (1863-4) 144; MERR. Enum. Philip. Fl. Pl. **2** (1923)
385.

Kusai 478. Along roads at low altitudes. *Distrib.* India, Philippines,
Malaya, China and tropical Australia.

Euphorbiaceae

Mallotus tiliifolius (BLUME) MUELL.-ARG. in Linnaea **34** (1865) 190;
PAX et HOFFM. in ENGL. Pflanzenr. **63** (1914) 148, f. 22, D.
Rottlera tiliifolia BLUME Bijdr. (1825) 607.

Palau: Aimiriik 1918, 2294, Marikyoku 438, Tôdai-yama 1855. In
thicket and forests at low altitudes. *Distrib.* Sumatra, Philip-
pines, New Guinea, northeastern Australia and Samoa.

Mallotus palauensis HOSOKAWA is closely allied to the present species.

Vitaceae

Columella palauana HOSOKAWA in Trans. Nat. Hist. Soc. Formos.
25 (1935) 244.

Palau HOSOKAWA. *Distrib.* Endemic.

Araliaceae

Schefflera Kraemeri HARMS in Notizb. Bot. Gart. Berlin **5** (1908) 73.
Schefflera pachyclada KANEHIRA in Bot. Mag. Tokyo **46** (1932) 670,
syn.

Loganiaceae

Geniostoma micranthum DC. (p. 392).

Geniostoma saipanense KANEHIRA in sched. (p. 392) *syn.*

Scrophulariaceae

Adenosma javanicum (BL.) KOORD. Exkursf. Java **3** (1912) 175;

MERR. Enum. Philip. Fl. Pl. **3** (1923) 434; SCHLTR. in ENGL.

Bot. Jahrb. **59** (1925) 102; HOSOKAWA l. c. 245.

Herpestis javanica BL. Bijdr. (1826) 748.

Palau HOSOKAWA. *Distrib.* India, Malaya, Philippines to New Guinea.

Lindernia viscosa (WILLD.) MERR. Enum. Philip. Fl. Pl. **3** (1923)

439; HOSOKAWA l. c. 246.

Hornemannia viscosa (WILLD.) Enum. Pl. (1809) 654.

Palau, HOSOKAWA. *Distrib.* India, China, Philippines to Malay Archipelago.

Torenia mucronulata BENTH. in DC. Prodr. **10** (1846) 409; HOOK.

f. Fl. Brit. Ind. **4** (1884) 276; HOSOKAWA in Trans. Nat. Hist.

Soc. Formos. **25** (1935) 245.

Kusai HOSOKAWA. *Distrib.* India.

Lentibulariaceae

Utricularia racemosa WALL. Cat. (1828) 1496; DC. Prodr. **8** (1844)

21; C. B. CLARKE in HOOK. f. Brit. Ind. **4** (1884) 33; H. MEL-

CHIOR in ENGL. Bot. Jahrb. **62** (1929) 383; HOSOKAWA in Trans.

Nat. Hist. Soc. Formos. **25** (1935) 246.

Palau HOSOKAWA. *Distrib.* India, Malaya to New Guinea.

Utricularia nivea VAHL Enum. **1** (1805) 203; MERR. in Philip.

Journ. Sci. **9** (1914) Bot. 141.

Guam. *Distrib.* India and Ceylon to southern China and Malaya.

Acanthaceae

Asystasia Blumei NEES in DC. Prodr. **11** (1847) 167; MIQ. Fl. Ind.

Bat. **2** (1856) 793; LINDAU in ENGL. et PRANTL Nat. Pflanzenf.

4, 3 b (1895) 326; HOSOKAWA in Trans. Nat. Hist. Soc. For-

mos. **25** (1935) 247.

Palau HOSOKAWA. *Distrib.* Malay Peninsula and Java.