

## BIBLIOGRAPHY OF PACIFIC AND MALESIAN PLANT MAPS OF PHANEROGAMS

First Supplement

BY M. J. VAN STEENIS-KRUSEMAN

### ALANGIACEAE

**Alangium** LAMK.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 72*.

Complete; Old World, also incl. Indo-Malesia, E. Australia, Pacific (Solomons, New Caledonia, New Hebrides, Fiji); delineated except in Africa and Madagascar, localities indicated only in the Pacific, species density; monograph.

### AMARANTHACEAE

**Celosia** L. (allopolyploid forms).—W. F. Grant, Canad. J. Bot. 40 (1962) 1357, f. 7.

Complete; New & Old World, incl. Indo-Malesia, Central America; localities indicated; monograph.

### ANACARDIACEAE

**Campnosperma brassii** MERR. & PERRY.—J. H. Kern & C. G. G. J. van Steenis, Pac.

Plant Areas 1: *map 14*.

Complete; Pacific (Solomons, Ysabel); locality indicated; occasional.

**Campnosperma brevipetiolatum** VOLK.—J. H. Kern & C. G. G. J. van Steenis, Pac. Plant Areas 1: *map 14*.

Complete; E. Malesia (New Guinea, Moluccas), Pacific (Bismarcks, Carolines, Solomons); delineated, localities indicated; partial revision (literature).

### APOCYNACEAE

**Kopsia** BL.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 124*.

Complete; Indo-Malesia, Pacific (Palau, Solomons, New Hebrides); delineated, localities indicated and shaded; preliminary revision.

**Kopsia flava** BL.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 124*.

Complete; E. Malesia, Pacific (Palau, Solomons, New Hebrides); localities indicated; preliminary revision.

**Lepinia** DECNE.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 62*.

Complete; Pacific (E. Carolines, Ponape, Solomons, Society Is, Tahiti, Moorea); delineated, localities indicated; occasional.

**Lepiniopsis** VAL.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 61*.

Complete; E. Malesia (Philippines, Celebes, Moluccas, New Guinea), Pacific (Palau, Bismarcks); delineated, localities indicated; occasional (literature and herbarium).

**Vallesia** R. & P.—M. M. J. van Balgooy, E. Meyer & R. E. Woodson jr., Pac. Plant Areas 2: *map 125*.

Complete; New World (Mexico and W. Indies to Argentina and Paraguay), Pacific (Galapagos Is); delineated, localities indicated except in part of S. America; monograph.

### ARACEAE

**Holochlamys** ENGL.—C. G. G. J. van Steenis, Blumea 11 (1962) 248, *map 5*.  
Complete; New Guinea; delineated; occasional.

M. M. J. van Balgooy, Pac. Plant Areas 2: *map 37*.

Complete; E. Malesia (S. Moluccas, New Guinea, D'Entrecasteaux), Pacific (Bismarck Is); delineated, localities indicated, species density; literature and herbarium material.

**Spathiphyllum** SCHOTT.—G. S. Bunting, Mem. New York Bot. Garden 10 (3) (1960) f. 1.

Complete; New & Old World, also incl. Malesia; delineated; monograph.

C. G. G. J. van Steenis, Blumea 11 (1962) 248, *map 5*.

Complete; New & Old World, also incl. E. Malesia, Pacific (Palau, Solomons), tropical America, Cocos I.; delineated and shaded, species density; monograph.

C. G. G. J. van Steenis, Pac. Plant Areas 2: *map 36*.

Complete; New & Old World, also incl. E. Malesia (Philippines to Solomons, also in Palau), W. Pacific; delineated, localities indicated and shaded, species density; monograph.

### ASCLEPIADACEAE

**Asclepiadaceae**.—A. Castellanos, Gen. et sp. pl. Arg. 2 (1944) pl. cxx, *map 1*.

Complete; New & Old World, also incl. Malesia, Australia, New Caledonia; delineated; partial revision.

### BALANOPSIDACEAE

**Balanops** BAILL.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 107*.

Complete; NE. Australia, Pacific (New Caledonia, New Hebrides, Fiji); delineated, localities indicated in the Pacific, species density; occasional.

### BATIDACEAE

**Batis** P. Br.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 129*.

Complete; New & Old World, also incl. Malesia (S. New Guinea), Pacific (Hawaii?, Galapagos); delineated except in part of S. America; partial revision, literature and herbarium material.

**Batis argillicola** VAN ROYEN.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 129*.

Complete; Malesia (S. New Guinea), N. Australia; delineated; partial revision.

**Batis maritima** L.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 129*.

Complete; New World, coasts of Southern U.S. and Mexico to Peru and Guyana, Caribbean, Pacific (Galapagos, Hawaii?); delineated except in part of S. America; literature and herbarium material.

### BERBERIDACEAE

**Berberis** L.—L. B. Smith, Contr. U.S. Nat. Herb. 35 (1962) 244.

Partial; New World, also incl. Juan Fernandez Is; localities indicated; occasional.

### BIGNONIACEAE

**Catalpa** Juss.—C. G. G. J. van Steenis, Blumea 11 (1962) 242, *map 3*.

Complete; New & Old World, E. Asia, SE. United States; delineated; occasional.

**Dolichandrone spathacea** (L. f.) K. SCH.—C. G. G. J. van Steenis, Pac. Plant Areas 1: map 1.

Complete; Indo-Malesia, Pacific (Palau, Solomons, New Caledonia); delineated, localities indicated; monograph.

**Tecomanthe BAILL.**—C. G. G. J. van Steenis, Pac. Plant Areas 1: map 22.

Complete; E. Malesia (Moluccas, New Guinea, Bismarcks), E. Australia, New Zealand, 3 Kings Is.; delineated, localities indicated and shaded; monograph.

#### BOMBACACEAE

**Bombax** L.—A. Robijns, Bull. Jard. Bot. Brux. 33 (1963) 23.

Complete; Old World (Africa to New Guinea and Australia); delineated; monograph.

**Coelostegia** BENTH.—Soengeng, Reinwardtia 5 (1960) 29.

Complete; W. Malesia (Malaya, Sumatra, Borneo); delineated; monograph.

#### BROMELIACEAE

**Bromeliaceae**.—A. Castellanos, Gen. et sp. pl. Arg. 3 (1945) pl. cxxxii, map 1.

Complete; Central & S. America (also incl. islands to the W), W. Africa; delineated; partial revision.

U. Hamann, Willdenowia 2 (1961) 687, map 4 (after Smith in Vester, Hutchinson, and Castellanos).

Complete; Central & S. America (also incl. Galapagos Is), W. Africa; delineated; occasional.

**Tillandsia** L. spp.—A. Castellanos, Gen. et sp. pl. Arg. 3 (1945) pl. cxxxii, map 4, and pl. cxxxiii, map 1—4.

Partial; S. America; delineated; partial revision.

#### BURMANNIACEAE

**Thismia** GRIFF.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 112.

Complete; New & Old World, also incl. Indo-Malesia, Tasmania, New Zealand; delineated, localities indicated except in Brazil, species density; monograph.

#### BURSERACEAE

**Canarium** L.—P. W. Leenhouts, Pac. Plant Areas 1: map 18.

Complete; Indo-Malesia, N. & E. Australia, SW. Pacific (Solomons, New Caledonia, New Hebrides, Fiji, Samoa, Tonga); delineated; monograph.

#### CACTACEAE

**Cactaceae**.—A. Castellanos, Gen. et sp. pl. Arg. 1 (1943) pl. lxi, map 1.

Complete; New & Old World; delineated; partial revision.

**S. American genera**.—A. Castellanos, Gen. et sp. pl. Arg. 1 (1943) pl. lxi—lxii, map 2—7.

Partial; S. America; delineated; partial revision.

#### CAMPANULACEAE

**Apetahia** BAILL.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 147.

Complete; Pacific (SE. Polynesia); delineated, localities indicated, species density; monograph.

**Lobelia alsinoides** LAMK.—B. Moeliono & P. Tuyn, Fl. Mal. I 6 (1960) 127.

Partial; Old World, Indo-Malesia (not from Sumatra to Borneo); delineated, localities indicated; partial revision.

**Lobelia borneensis** (HEMSL.) MOELIONO.—B. Moeliono & P. Tuyn, Fl. Mal. I 6 (1960) 133.

Complete; Old World, Malesia (Borneo to Celebes); delineated, localities indicated; partial revision.

**Lobelia heyniana** R. & S.—B. Moeliono & P. Tuyn, Fl. Mal. I 6 (1960) 130, f. 13.

Partial; Old World, Indo-Malesia (from Sumatra to S. New Guinea); delineated, localities indicated; partial revision.

**Lobelia montana** REINW. ex BL.—B. Moeliono & P. Tuyn, Fl. Mal. I 6 (1960) 133.

Partial; Indo-Malesia (Malaya to Central Java); delineated, localities indicated; partial revision.

**Lobelia nicotianaefolia** ROTH ex R. & S.—B. Moeliono & P. Tuyn, Fl. Mal. I 6 (1960) 125, f. 10.

Partial; Old World, Indo-Malesia (incl. Luzon, Biliran, Celebes); delineated, localities indicated; partial revision.

**Sclerotheca** DC.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 146.

Complete; Pacific (SE. Polynesia); delineated, localities indicated, species density; monograph.

**Trematolobelia** ZAHLB.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 145.

Complete; Pacific (Hawaiian Is); delineated, localities indicated, species density; monograph.

**Wahlenbergia marginata** (THUNB.) DC.—B. Moeliono & P. Tuyn, Fl. Mal. I 6 (1960) 117, f. 4.

Partial; Indo-Malesia (incl. S. Malesia), N. Australia, Pacific (New Caledonia); delineated, localities indicated; partial revision.

P. Tuyn, Pac. Plant Areas 2: map 27.

Complete; India to Japan, Malesia (not in Sumatra, Malaya, and Borneo), Australia, S. & W. Pacific (New Zealand to New Caledonia and Tonga); delineated, localities indicated; partial revision.

#### CAPPARIDACEAE

**Crateva religiosa** FORST. f.—M. Jacobs, Pac. Plant Areas 1: map 24.

Complete; from India and Ryu-Kyus throughout Malesia (except Philippines and Lesser Sunda Is) and most of W & Central Pacific as far as the Tuamotus; localities indicated and shaded; monograph.

#### CASUARINACEAE

**Casuarina cunninghamiana** Miq.—Forest Trees of Australia (1957) 194.

Complete; Old World, Australia; localities indicated and shaded; occasional.

**Casuarina torulosa** AIT.—Forest Trees of Australia (1957) 196.

Complete; Old World, Australia; localities indicated and shaded; occasional.

#### CELASTRACEAE

**Bhesa** HAM. ex ARN.—Ding Hou, Fl. Mal. I 6 (1962) 283.

Complete; Indo-Malesia (not in the drier parts of Malesia), W. Pacific (Louisiades); delineated, species density; partial revision.

**Cassine glauca** (ROTTB.) O.K. var. **cochinchinensis** PIERRE.—Ding Hou, Fl. Mal. I 6 (1962) 286.

Complete; Indo-China and S. Malesia (E. Java to S. Moluccas); delineated, localities indicated; partial revision.

**Cassine viburnifolia** (Juss.) DING HOU.—Ding Hou, Fl. Mal. I 6 (1962) 286.

Complete; Andamans, S. Siam to Malesia (Sumatra to Celebes); delineated, localities indicated; partial revision.

**Celastrus** L.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 49*.

Complete; New & Old World, also incl. continental Asia from India to Japan and Manchuria, Malesia, E. Australia, Pacific (New Caledonia, Fiji); delineated, incomplete for America. species density; monograph.

**Euonymus japonicus** THUNB.—Ding Hou, Fl. Mal. I 6 (1962) 252.

Partial; Hainan, Malesia (not in Borneo, S. Philippines, Moluccas and New Guinea); delineated, localities indicated; partial revision.

**Euonymus javanicus** BL.—Ding Hou, Fl. Mal. I 6 (1962) 249.

Complete; Indo-Malesia (as far as W. New Guinea); delineated, localities indicated; partial revision.

**Kokoona** THW.—Ding Hou, Fl. Mal. I 6 (1962) 260.

Complete; Indo-Malesia (also incl. Sumatra to Borneo); delineated, species density; partial revision.

**Lophopetalum** WIGHT ex ARN.—Ding Hou, Fl. Mal. I 6 (1962) 266.

Complete; Indo-Malesia (not in E. Java and the Lesser Sunda Is); delineated, species density; partial revision.

**Microtropis** WALL. ex MEISN.—Ding Hou, Fl. Mal. I 6 (1962) 275.

Partial; Old World, Indo-Malesia (incl. Sumatra to Philippines); delineated, species density; partial revision.

M. M. J. van Balgooy & Ding Hou, Pac. Plant Areas 2: *map 83*.

Complete; New & Old World, Asia, W. Malesia, Central America; delineated; partial revision.

**Perrottetia** H. B. K.—C. G. G. J. van Steenis, Blumea 11 (1962) 248, *map 4*.

Complete; New & Old World, E. Asia, Malesia, Pacific (Solomons, Hawaii), NE. Australia, tropical Americas; delineated; occasional.

Ding Hou, Fl. Mal. I 6 (1962) 291.

Partial; Old World, incl. E. Asia, Malesia, N. Australia, Pacific (Solomons, occurring in Hawaii also); delineated, localities indicated, species density; partial revision.

M. M. J. van Balgooy & Ding Hou, Pac. Plant Areas 2: *map 52*.

Complete; New & Old World, also incl. Indo-Malesia, NE. Australia, Pacific (Solomons, Hawaii); delineated, localities indicated and shaded, species density; partial revision, literature and herbarium material.

**Perrottetia alpestris** (BL.) LOES.—M. M. J. van Balgooy & Ding Hou, Pac. Plant Areas 2: *map 52*.

Complete; Old World, throughout Malesia, NE. Australia, Pacific (Solomons); delineated, localities indicated and shaded; partial revision.

**Perrottetia alpestris** (BL.) LOES. ssp. **alpestris**.—Ding Hou, Fl. Mal. I 6 (1962) 291.

Complete; Malesia (Sumatra, Malaya, Java); delineated, shaded; partial revision.

**Perrottetia alpestris** ssp. **moluccana** (BL.) DING HOU.—Ding Hou, Fl. Mal. I 6 (1962) 291.

Complete; Malesia (from the Moluccas eastwards as far as the Solomons), N. Australia; delineated, indicated; partial revision.

**Perrottetia alpestris** ssp. **philippinensis** (VIDAL) DING HOU.—Ding Hou, Fl. Mal. I 6 (1962) 291.

Complete; Malesia (Borneo, Philippines, Celebes); delineated, localities indicated; partial revision.

**Perrottetia sandwicensis** A. GRAY.—M. M. J. van Balgooy & Ding Hou, Pac. Plant Areas 2: map 52.

Complete; Pacific (Hawaiian Is); delineated; occasional.

#### CENTROLEPIDACEAE

**Centrolepidaceae**.—A. Castellanos, Gen. et sp. pl. Arg. 3 (1945) pl. ii, map 1.

Complete; New & Old World, Indo-Malesia (incl. Borneo, Philippines, New Guinea), S. Australia, Tasmania, New Zealand, S. America; delineated; partial revision.

U. Hamann, Willdenowia 2 (1961) 687, map 4 (after Vester, Castellanos, and Hou).

Complete; New & Old World, also incl. SE. Asia, Malesia, E. & S. Australia, New Zealand, extreme S. America (incl. also Tierra del Fuego); delineated; occasional.

**Gaimardia australis** GAUD. and **boliviiana** PAX.—A. Castellanos, Gen. et sp. pl. Arg. 3 (1945) pl. ii, map 2 (S. America) and map 3 (Argentina).

Partial; S. America; delineated; partial revision.

#### CHLORANTHACEAE

**Ascarina** J. R. & G. FORST.—B. G. L. Swamy, Proc. Nat. Inst. Sc. India 19 (1953) 374, f. 1.

Complete; Malesia, Pacific (New Zealand to Marquesas); delineated, species density; monograph.

M. M. J. van Balgooy, Pac. Plant Areas 2: map 64.

Complete; Malesia (from Borneo and Philippines eastwards), throughout S. Pacific, incl. New Zealand, E to Marquesas; delineated, localities indicated and shaded, species density; monograph.

#### COCHLOSPERMACEAE

**Cochlospermum** KUNTH.—C. G. G. J. van Steenis, Blumea 11 (1962) 269, map 18.

Complete; New & Old World, also incl. S. Asia, N. Australia, Central & S. America; delineated; occasional.

#### COMBRETACEAE

**Lumnitzera littorea** (JACK) VOIGT.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 87.

Complete; Old World, SE. Asia (Siam, Hainan), throughout Malesia and N. Australia, Pacific (widespread to Marshalls and Tonga); localities indicated; partial revision.

**Lumnitzera racemosa** WILLD.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 88.

Complete; Old World, also incl. Indian Ocean, S. & E. Asia, throughout Malesia, N. & E. Australia, Pacific (New Caledonia, Loyalties); localities indicated except in Africa and Madagascar; partial revision.

**Terminalia samoensis** RECHINGER.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 142.

Complete; Malesia (Miangas I. off Mindanao), Pacific (Micronesia incl. also Marshalls, Gilbert and Ellice Is; Bismarcks; Solomons and Samoa); delineated, localities indicated; partial revision, literature and herbarium material.

## COMMELINACEAE

**Commelinaceae.**—U. Hamann, Willdenowia 2 (1961) 686, map 2 (after Suessenguth and Vester).

Complete; New & Old World, also incl. Indo-Malesia, ? Australia, N. Pacific (incl. also Hawaiian Is); delineated; occasional.

## COMPOSITAE

**Brachycome** CASS. spp.—G. L. Davis, Proc. Linn. Soc. N.S.W. 73 (1948) pl. 6.

Partial; Australia and Tasmania; localities indicated; partial revision.

**Brachycome linearis** (PETRIE) DRUCE.—G. L. Davis, Proc. Linn. Soc. N.S.W. 74 (1949) 99, f. 8.

Complete; New Zealand; locality indicated; monograph.

**Brachycome radicata** HOOK. f.—G. L. Davis, Proc. Linn. Soc. N.S.W. 74 (1949) 99, f. 7.

Complete; New Zealand; localities indicated; monograph.

**Brachycome sinclairii** HOOK. f.—G. L. Davis, Proc. Linn. Soc. N.S.W. 74 (1949) 99, f. 8.

Complete; New Zealand; localities indicated; monograph.

**Fitchia** HOOK. f.—S. Carlquist, Un. Cal. Publ. Bot. 29 (1957) 2, f. 1.

Complete; Pacific (SE. Polynesia); localities indicated, species density; monograph.

M. M. J. van Balgooy, Pac. Plant Areas 2: map 127.

Complete; Pacific (SE. Polynesia); delineated, localities indicated, species density; monograph.

**Lagenophora** CASS.—G. L. Davis, Proc. Linn. Soc. N.S.W. 75 (1950) 127, f. 10, 130 f. 13.

Partial; Old World, Australia; localities indicated; partial revision.

**Oparanthus** SHERFF.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 128.

Complete; Pacific (SE. Polynesia); delineated, localities indicated, species density; monograph.

**Sonchus brachyotus** DC.—L. Boulos, Bot. Not. 114 (1961) 63.

Complete; Old World, incl. Asia, Malesia (Malaya, S. Sumatra, W. Java); delineated; occasional.

## CONIFERAE

**Coniferae.**—R. Florin, Acta Hort. Berg. 20 (1963) 267.

Complete; New & Old World; boundaries delineated, localities indicated, species density; occasional.

(Genera of the southern hemisphere).—F. J. W. Bader, Erdkunde 14 (1960) 306.

Complete; New & Old World, also incl. Indo-Malesia, Australia, Tasmania, New Zealand, Pacific; delineated or localities indicated; occasional.

**Acmopyle pancheri** (BRONGN. & GRIS) PILGER.—F. J. W. Bader, Erdkunde 14 (1960) 306.

Complete; New Caledonia; locality indicated; occasional.

R. Florin, Acta Hort. Berg. 20 (1963) 185.

Complete (monotypic); Pacific (New Caledonia, Fiji); localities indicated (also fossil); occasional.

**Agathis SALISB.**—R. Florin, Acta Hort. Berg. 20 (1963) 181.

Complete; Malesia (not Java to Timor), NE. Australia, SW. Pacific to Fiji; delineated and fossil localities indicated; occasional.

M. M. J. van Balgooy, Pac. Plant Areas 2: map 89.

Complete; nearly throughout Malesia, NE. Australia, SW. Pacific, also incl. New Zealand; delineated, localities indicated and shaded; partial revision.

**Araucaria JUSS.**—L. B. Smith, Contr. U.S. Nat. Herb. 35 (1962) 246, f. 41.

Partial; S. America; localities indicated; occasional.

M. M. J. van Balgooy, Pac. Plant Areas 2: map 102.

Complete; New & Old World, also incl. E. Malesia (New Guinea), E. Australia, Pacific (New Caledonia, Loyalties, Norfolk); delineated, localities indicated and shaded (except in Brazil), species density; occasional.

**Araucaria sect. Eutacta ENDL.**—R. Florin, Acta Hort. Berg. 20 (1963) 178.

Complete; New Guinea, NE. Australia, Norfolk I., Pacific (New Caledonia etc.); delineated; occasional.

**Araucaria sect. Intermedia C. T. WHITE.**—R. Florin, Acta Hort. Berg. 20 (1963) 178.

Complete; E. New Guinea; shaded; occasional.

**Araucaria cunninghamii AIT.**—Forest Trees of Australia (1957) 206.

Partial; E. Australia; localities indicated; occasional.

**Austrotaxus COMPTON.**—F. J. W. Bader, Erdkunde 14 (1960) 306.

Complete; New Caledonia; locality indicated; occasional.

**Callitris VENT.**—R. Florin, Acta Hort. Berg. 20 (1963) 235.

Complete; Australia, Tasmania, Pacific (New Caledonia); delineated; occasional.

**Callitropsis COMPTON.**—F. J. W. Bader, Erdkunde 14 (1960) 306.

Complete; New Caledonia; locality indicated; occasional.

**Dacrydium SOLAND.**—R. Florin, Acta Hort. Berg. 20 (1963) 187.

Complete; New & Old World, incl. Indo-Malesia, Tasmania, New Zealand, W. Pacific (New Caledonia, Fiji), SE. coast of S. America; delineated and fossil localities indicated; occasional.

**Dacrydium elatum WALL.**—Kasin Suvatabandhu, J. Nat. Res. Coun. Thailand 2 (1961) 65.

Partial; Thailand; localities indicated; occasional.

**Libocedrus DON.**—R. Florin, Acta Hort. Berg. 20 (1963) 238.

Complete; New Zealand, Pacific (New Caledonia); delineated and fossil locality indicated; occasional.

**Neocallitropsis FLORIN.**—R. Florin, Acta Hort. Berg. 20 (1963) 236.

Complete; Pacific (New Caledonia); locality indicated; occasional.

**Papuacedrus LI.**—R. Florin, Acta Hort. Berg. 20 (1963) 238.

Complete; E. Malesia (N. Moluccas, New Guinea); delineated; occasional.

**Phyllocladus** L. C. & A. RICH.—R. A. Couper, Proc. R. Soc. B. 152 (1960) 497.

Complete; Malesia (Borneo, New Guinea), Tasmania, New Zealand; localities indicated, also pollen and fossil occurrence; occasional.

R. Florin, Acta Hort. Berg. 20 (1963) 185.

Complete; NE. Malesia, Tasmania, New Zealand; delineated and fossil localities indicated; occasional.

M. M. J. van Balgooy, Pac. Plant Areas 2: map 140.

Complete; 3 disjunct areas: Malesia (Philippines, Celebes, Moluccas, New Guinea), Tasmania, and New Zealand; delineated, localities indicated and shaded, species density; literature and herbarium material.

**Pinus** L. subg. **Diploxylon** (KOEHNE) PILGER.—R. Florin, Acta Hort. Berg. 20 (1963) 253.

Complete; New & Old World, also incl. E. Asia, Malesia (N. Sumatra, Luzon); delineated and fossil occurrence; occasional.

**Pinus khasya** ROYLE.—Kasin Suvatabandhu, J. Nat. Res. Counc. Thailand 2 (1961) 66.

Partial; Thailand; localities indicated; occasional.

**Pinus merkusii** JUNGH. & DE VRIESE.—Kasin Suvatabandhu, J. Nat. Res. Counc. Thailand 2 (1961) 66.

Partial; Thailand; localities indicated; occasional.

**Podocarpus** L'HÉR.—F. J. W. Bader, Decheniana 113 (1960) map facing p. 86; Erdkunde 14 (1960) 306.

Complete; New & Old World, also incl. Indo-Malesia, E. Australia, Tasmania, New Zealand, Pacific; delineated (with numerals indicating the species); occasional.

R. Florin, Acta Hort. Berg. 20 (1963) 199.

Complete; New & Old World, also incl. Indo-Malesia, Australia, Tasmania, New Zealand, Pacific; delineated and fossil localities indicated; occasional.

**Podocarpus** sect. **Dacrycarpus** ENDL.—R. A. Couper, Proc. R. Soc. B. 152 (1960) 495.

Complete; Indo-Malesia, Pacific (New Caledonia), New Zealand; localities indicated, also pollen and fossil occurrence; occasional.

R. Florin, Acta Hort. Berg. 20 (1963) 189.

Complete; Indo-Malesia, New Zealand, W. Pacific to Fiji; delineated and fossil localities indicated; occasional.

**Podocarpus** sect. **Microcarpus** PILGER.—R. Florin, Acta Hort. Berg. 20 (1963) 192.

Complete; Pacific (New Caledonia); delineated; occasional.

**Podocarpus** sect. **Nageia** ENDL.—R. Florin, Acta Hort. Berg. 20 (1963) 192.

Complete; E. Asia, Indo-Malesia (not in Central & E. Java, and Lesser Sunda Is); delineated; occasional.

**Podocarpus** sect. **Podocarpus** subsect. **A, C, E, and F**.—R. Florin, Acta Hort. Berg. 20 (1963) 197.

Complete; New & Old World, Africa, Madagascar, Pacific (New Caledonia, Fiji, Tonga), Central & S. America, W. Indies; delineated; occasional.

**Podocarpus** sect. **Podocarpus** subsect. **B** and **D**.—R. Florin, Acta Hort. Berg. 20 (1963) 195.

Complete; New & Old World, E. Asia, Indo-Malesia, NE. & SW. Australia, Tasmania, New Zealand, W. Pacific (to Fiji), S. America; delineated; occasional.

**Podocarpus** sect. **Polypodiopsis** (CARR.) BERTR.—R. Florin, Acta Hort. Berg. 20 (1963) 193.

Complete; Malesia (Morotai, New Guinea), W. Pacific; delineated and fossil localities indicated; occasional.

**Podocarpus** sect. **Sundacarpus** BUCHHOLZ & N. GRAY.—R. Florin, Acta Hort. Bog. 20 (1963) 191.

Complete; Malesia (not Borneo), N. Australia; delineated; occasional.

**Podocarpus** sect. **Stachycarpus** ENDL.—R. Florin, Acta Hort. Berg. 20 (1963) 191.

Complete; New & Old World, NE. Australia, New Zealand, W. Pacific (New Caledonia), S. America; delineated; occasional.

**Podocarpus imbricatus** BL.—Kasin Suvatabandhu, J. Nat. Res. Counc. Thailand 2 (1961) 67.

Partial; Thailand; localities indicated; occasional.

**Podocarpus nerifolius** D. DON.—Kasin Suvatabandhu, J. Nat. Res. Counc. Thailand 2 (1961) 67.

Partial; Thailand; localities indicated; occasional.

**Taxus** (TOURN. ex L.) L.—R. Florin, Acta Hort. Berg. 20 (1963) 261.

Complete; New & Old World, also incl. E. Asia, Malesia (N. Sumatra, Luzon, Celebes), Pacific (New Caledonia); delineated and fossil occurrence; occasional.

### CONNARACEAE

**Connaraceae**.—C. G. G. J. van Steenis, Blumea 11 (1962) 269, map 16.

Complete; New & Old World, also incl. Indo-Malesia, N. Australia, W. Pacific, Central & S. America; delineated; occasional.

**Rourea** subg. **Palliatus** LEENH. sect. **Palliatus** LEENH.—P. W. Leenhouts, Pac. Plant Areas 1: map 17.

Complete; Old World, Indo-Malesia, throughout Malesia (except Lesser Sunda Is), SW. Pacific (New Caledonia, New Hebrides, Samoa, Tonga); delineated; partial revision, literature.

### CORIARIACEAE

**Coriaria** L.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 67.

Complete; New & Old World, also incl. Asia, Malesia (Philippines, New Guinea), Pacific (New Zealand to New Hebrides, and Tahiti); delineated, localities indicated and shaded except in the Mediterranean; occasional.

### CORNACEAE

**Cornus** L.—Ch. R. Longwell, Am. J. Sc. 242 (1944) 224.

Complete; E. Asia, S. Pacific (New Zealand to Rapa), Americas; delineated and shaded, also fossil occurrence (partly); occasional.

This, and the map of the next entry which is the same, is misleading as it depicts not the proper genus *Cornus*, but a hypothetical affinity of half the family *Cornaceae*. Besides, it is wrong as in the Pacific area concerned no proper *Cornaceae* occur, the error going back to F.B.H. Brown.

J. H. F. Umbgrove, *The Pulse of the Earth* 2nd ed. (1947) 233 (after Ch. R. Longwell, 1944).

Complete; E. Asia, New Zealand, S. Pacific, Americas; delineated, also fossil occurrence (partly); occasional.

**Mastixia** BL.—F. Kirchheimer, *Braunkohle Heft 2* (1943) 17, *Abb. A.*

Complete; Old World, Indo-Malesia, Malesia (actually also in Hainan and Solomons); delineated, fossil localities of *Mastixioideae* in Europe and (?) America indicated; occasional.

#### CORYNOCARPACEAE

**Corynocarpus** J. R. & G. FORST.—M. M. J. van Balgooy, *Pac. Plant Areas 2: map 60.*

Complete; E. Malesia (New Guinea), NE. Queensland, Pacific (Solomons, New Hebrides, New Caledonia, New Zealand, Kermadec and Chatham); delineated, localities indicated and shaded; partial revision.

#### CUNONIACEAE

**Aistopetalum multiflorum** SCHLTR.—R. D. Hoogland, *Austr. J. Bot. 8* (1960) 334.

Complete; NE. New Guinea; locality indicated; partial revision.

**Aistopetalum viticoides** SCHLTR.—R. D. Hoogland, *Austr. J. Bot. 8* (1960) 334.

Complete; N. New Guinea; localities indicated; partial revision.

**Ceratopetalum** Sm.—R. D. Hoogland, *Austr. J. Bot. 8* (1960) 319, *f. 1.*

Complete; New Guinea, E. Australia; delineated; partial revision.

**Ceratopetalum succirubrum** C. T. WHITE.—R. D. Hoogland, *Austr. J. Bot. 8* (1960) 319.

Complete; New Guinea & neighbouring islands, NE. Australia; localities indicated; partial revision.

**Gillbea** F. MUELL.—R. D. Hoogland, *Austr. J. Bot. 8* (1960) 329.

Complete; NE. New Guinea, NE. Australia; delineated; partial revision.

**Gillbea papuana** SCHLTR.—R. D. Hoogland, *Austr. J. Bot. 8* (1960) 329.

Complete; NE. New Guinea; localities indicated; partial revision.

#### CYCADACEAE

**Cycas rumphii** MRQ.—Kasin Suvatabandhu, *J. Nat. Res. Counc. Thailand 2* (1961) 64.

Partial; Thailand; localities indicated; occasional.

#### CYPERACEAE

**Cyperaceae**.—A. Castellanos, Gen. et sp. pl. Arg. 4<sup>2</sup> (1947) *pl. ccix, map 1.*

Complete; New & Old World, also incl. Malesia, Pacific; delineated; partial revision.

**Ascolepis** NEES.—A. Castellanos, Gen. et sp. pl. Arg. 4<sup>2</sup> (1947) *pl. ccix, map 3.*

Partial; S. America; delineated; partial revision.

**Bulbostylis** KUNTH.—A. Castellanos, Gen. et sp. pl. Arg. 4<sup>2</sup> (1947) *pl. ccix, map 3.*

Partial; S. America; delineated; partial revision.

**Carex** L.—A. Castellanos, Gen. et sp. pl. Arg. 4<sup>2</sup> (1947) *pl. ccix, map 2.*

Partial; S. America (incl. also islands off the W. coast); delineated; partial revision.

**Carpha** BANKS & SOLANDER ex R. BR.—A. Castellanos, Gen. et sp. pl. Arg. 4<sup>2</sup> (1947) *pl. ccix, map 3.*

Partial; S. America; delineated; partial revision.

**Cyperus** L.—A. Castellanos, Gen. et sp. pl. Arg. 4<sup>2</sup> (1947) *pl. ccix, map 2.*

Partial; S. America (incl. also some islands off the W. coast); delineated; partial revision.

**Cyperus pedunculatus** (R. BR.) KERN (syn. *Remirea maritima* Aubl.).—J. Miège & M. Bodard, Bull. I. F. A. N. 23, ser. A (1961) 704.

Partial; New & Old World, also incl. Malaya and Sumatra (remaining part of Malesia not on the map); delineated; occasional.

**Fimbristylis** VAHL.—A. Castellanos, Gen. et sp. pl. Arg. 4<sup>2</sup> (1947) *pl. ccix, map 3.*

Partial; S. America; delineated; partial revision.

**Fuirena** ROTTB.—A. Castellanos, Gen. et sp. pl. Arg. 4<sup>2</sup> (1947) *pl. ccix, map 3.*

Partial; S. America; delineated; partial revision.

**Gahnia** J. R. & G. Forst.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 56.*

Complete; E. Asia incl. Ryukyu and Bonin Is., throughout Malesia (except Lesser Sunda Is), Pacific (throughout, except Micronesia and Central Pacific; E to Hawaii, Marquesas and Rapa); delineated, localities indicated, species density; monograph.

**Heleocharis** R. BR.—A. Castellanos, Gen. et sp. pl. Arg. 4<sup>2</sup> (1947) *pl. ccix, map 2.*

Partial; S. America (incl. also islands off the W. coast); delineated; partial revision.

**Lipocarpha** R. BR.—A. Castellanos, Gen. et sp. pl. Arg. 4<sup>2</sup> (1947) *pl. ccix, map 3.*

Partial; S. America; delineated; partial revision.

**Mapania macrocephala** (GAUD.) K. SCH.—J. H. Kern, Pac. Plant Areas 1: *map 15.*

Complete; E. Malesia, NE. Australia, Pacific (W. Carolines, Samoa); delineated, localities indicated; partial revision.

**Oreobolus** R. BR.—A. Castellanos, Gen. et sp. pl. Arg. 4<sup>2</sup> (1947) *pl. ccix, map 3.*

Partial; S. America (incl. also islands off the W. coast); delineated; partial revision.

C. G. G. J. van Steenis, Blumea 11 (1962) 260, *map 13.*

Complete; New & Old World, also incl. Malesia (not Java), SE. Australia, Tasmania, New Zealand, Pacific (Hawaiian Is.), S. America; delineated, localities indicated; occasional.

M. M. J. van Balgooy, Pac. Plant Areas 2: *map 74.*

Complete; New & Old World, also incl. SE. Malesia, Australia, Tasmania, New Zealand, Pacific (Subantarctic islands, Hawaii); delineated, localities indicated and shaded except in Falkland Is., species density; monograph.

**Rhynchospora** VAHL.—A. Castellanos, Gen. et sp. pl. Arg. 4<sup>2</sup> (1947) *pl. ccix, map 2.*

Partial; S. America; delineated; partial revision.

**Schoenus** L.—A. Castellanos, Gen. et sp. pl. Arg. 4<sup>2</sup> (1947) *pl. ccix, map 3.*

Partial; S. America (incl. also islands off the W. coast); delineated; partial revision.

**Scirpus** L.—A. Castellanos, Gen. et sp. pl. Arg. 4<sup>2</sup> (1947) *pl. ccix, map 2.*

Partial; S. America (incl. also islands off the W. coast); delineated; partial revision.

**Scleria BERG.**—A. Castellanos, Gen. et sp. pl. Arg. 4<sup>2</sup> (1947) *pl. ccix, map 2.*

Partial; S. America; delineated; partial revision.

**Scleria polycarpa BOECK.**—J. H. Kern, Pac. Plant Areas 2: *map 32.*

Complete; E. Malesia, N. & E. Australia, SW. Pacific (New Caledonia, New Hebrides, Tonga and Samoa); delineated, localities indicated; partial revision.

**Uncinia PERS.**—A. Castellanos, Gen. et sp. pl. Arg. 4<sup>2</sup> (1947) *pl. ccix, map 2.*

Partial; S. America (incl. also islands off the W. coast); delineated; partial revision.

(31 spp., of which 28 endemic).—B. G. Hamlin, Domin. Mus. Bull. New Zeal. n. 19 (1959) 101—106, *maps 2—7.*

Complete (28 spp.), partial (3 spp.); New Zealand; localities indicated; partial revision.

**Uncinia filiformis BOOTT.**—B. G. Hamlin, Domin. Mus. Bull. New Zeal. n. 19 (1959) 103, *map 4C.*

Partial; New Zealand; localities indicated; partial revision.

**Uncinia nervosa BOOTT.**—B. G. Hamlin, Domin. Mus. Bull. New Zeal. n. 19 (1959) 104, *map 5F.*

Partial; New Zealand; localities indicated; partial revision.

**Uncinia uncinata KÜK.**—B. G. Hamlin, Domin. Mus. Bull. New Zeal. n. 19 (1959) 106, *map 7E.*

Partial; New Zealand; localities indicated; partial revision.

#### DICHAPETALACEAE

**Dichapetalum THOU.**—P. W. Leenhousts, Pac. Plant Areas 1: *map 16.*

Partial; Indo-Malesia, Pacific (Melanesia, not in New Caledonia); delineated; partial revision, literature.

#### DILLENIACEAE

**Dillenia L.**—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 132.*

Complete; Old World, also incl. Indo-Malesia, N. Australia, Pacific (Solomons, New Hebrides, Fiji); delineated (partly), localities in the Pacific indicated; species density; monograph.

**Hibbertia ANDR.**—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 133.*

Complete (except Madagascar); Old World, incl. also E. Malesia (Aru Is, New Guinea), Australia, Pacific (New Caledonia, Fiji); localities indicated and shaded, species density; partial revision.

#### DIOSCOREACEAE

**Dioscorea sect. Enantiophyllum ULINE** (excl. *D. alata*).—I. H. Burkill, J. Linn. Soc. Bot. Lond. 56 (1960) 330, *map 5.*

Partial; Old World, also incl. Indo-Malesia, N. & NE. Australia, Pacific (to Tahiti); delineated; monograph.

**Dioscorea sect. Lasiophyton ULINE.**—I. H. Burkill, J. Linn. Soc. Bot. Lond. 56 (1960) 332, *f. 8.*

Partial; Old World, Indo-Malesia, Pacific (to the Low Is); delineated; monograph.

**Dioscorea sect. Stenophora ULINE.**—I. H. Burkill, J. Linn. Soc. Bot. Lond. 56 (1960) 330, map 4.

Complete; Old World, incl. Indo-Malesia (Malaya to NW. Borneo, Palawan); delineated; monograph.

**Dioscorea bulbifera L.**—I. H. Burkill, J. Linn. Soc. Bot. Lond. 56 (1960) 331.

Partial; Old World, incl. Indo-Malesia, N. Australia, Pacific (to Pitcairn I.); delineated; monograph.

**Dioscorea hispida DENNST.**—I. H. Burkill, J. Linn. Soc. Bot. Lond. 56 (1960) 332, f. 7

Complete; Indo-Malesia (also Bismarck Arch.); delineated; monograph.

**Stenomeris PLANCH.**—I. H. Burkill, J. Linn. Soc. Bot. Lond. 56 (1960) 324.

Complete; Malesia (from Sumatra to Borneo and Philippines); delineated; monograph.

**Trichopus GAERTN.**—I. H. Burkill, J. Linn. Soc. Bot. Lond. 56 (1960) 324.

Complete; Old World, Indo-Malesia (India, Ceylon, N. Sumatra, Malaya); delineated; monograph.

#### DIPTEROCARPACEAE

**Dipterocarpaceae.**—C. F. Symington, Mal. For. Rec. n. 16 (1943) vii.

Complete; Old World, also incl. Indo-Malesia; delineated, genera and species density; partial revision.

**Anisoptera KORTH.**—C. F. Symington, Mal. For. Rec. n. 16 (1943) 199.

Complete; Indo-Malesia (Bengal to New Guinea, not in E. Java, Lesser Sunda Is., Celebes, etc.); delineated, species density; partial revision.

**Balanocarpus heimii KING.**—C. F. Symington, Mal. For. Rec. n. 16 (1943) 149, f. 81.

Complete; Malay Peninsula; delineated, shaded; monograph.

**Cotylelobium PIERRE.**—C. F. Symington, Mal. For. Rec. n. 16 (1943) 232.

Complete; Indo-Malesia (Ceylon to W. Malesia); delineated, species density; partial revision.

**Dipterocarpus GÄRTN. f.**—C. F. Symington, Mal. For. Rec. n. 16 (1943) 153.

Complete; Indo-Malesia (not in E. Malesia); delineated, species density; partial revision.

**Dryobalanops GÄRTN.**—C. F. Symington, Mal. For. Rec. n. 16 (1943) 191.

Complete; W. Malesia (Sumatra, Malaya, Borneo, not in Java); delineated, species density; partial revision.

**Dryobalanops aromatica GÄRTN. f.**—C. F. Symington, Mal. For. Rec. n. 16 (1943) 194.

Partial; Malay Peninsula; shaded; partial revision.

**Hopea sect. Dryobalanoides (MIQ.) BRANDIS & Bracteata group.**—C. F. Symington, Mal. For. Rec. n. 16 (1943) 108, f. 67A.

Complete; Indo-Malesia (Indo-China and W. Malesia); delineated, species density; partial revision.

**Hopea sect. Euhopea BRANDIS & Pierrea group.**—C. F. Symington, Mal. For. Rec. n. 16 (1943) 108, f. 67A.

Complete; Indo-Malesia (Ceylon to New Guinea, not in E. Java, Celebes, etc.); delineated, species density; partial revision.

**Parashorea KURZ.**—C. F. Symington, Mal. For. Rec. n. 16 (1943) 97.

Complete; Indo-Malesia (not in Java, Celebes and E of it); delineated, species density; partial revision.

**Pentacme** A. DC.—C. F. Symington, Mal. For. Rec. n. 16 (1943) 104.

Complete; Indo-Malesia (SE. Asia, Philippines); delineated, species density; partial revision.

**Shorea** ROXB. (*Richetia* group).—C. F. Symington, Mal. For. Rec. n. 16 (1943) 44.

Complete; Malesia (not in Java, Celebes, and E of it); delineated, species density; partial revision.

(red meranti group).—C. F. Symington, Mal. For. Rec. n. 16 (1943) 58.

Complete; W. Malesia (not in Java, Celebes, and E of it); delineated, species density; partial revision.

**Shorea** sect. **Anthoshorea** BRANDIS.—C. F. Symington, Mal. For. Rec. n. 16 (1943) 27.

Complete; Indo-Malesia (not E of the Philippines and Celebes); delineated, species density; partial revision.

**Shorea** sect. **Eushorea** BRANDIS.—C. F. Symington, Mal. For. Rec. n. 16 (1943) 4.

Complete; Indo-Malesia (not in Java, Celebes, and E of it); delineated, species density; partial revision.

**Vatica** L.—C. F. Symington, Mal. For. Rec. n. 16 (1943) 211.

Complete; Indo-Malesia (excl. Java and Lesser Sunda Is), Pacific (Sudest I); delineated, species density; partial revision.

#### EPACRIDACEAE

**Dracophyllum** LABILL.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 43.

Complete; E. Australia, Tasmania, Pacific (New Caledonia, Lord Howe I., New Zealand, and Subantarctic Is); delineated, localities indicated and shaded, species density; monograph.

**Styphelia** subg. **Cyathodes** (LABILL. em. R. Br.) DRUDE.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 171.

Complete; E. New Guinea, SE. Australia, Tasmania, Pacific (Mariannas, New Zealand, Subantarctic Is, SE. Polynesia, Hawaii); localities indicated and shaded, species density; partial revision.

**Styphelia** subg. **Cyathopsis** (BRONGN. & GRIS) DRUDE.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 172.

Complete; Pacific (New Caledonia); delineated, species density; occasional.

**Styphelia** subg. **Leucopogon** (R. Br.) DRUDE.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 170.

Complete; Old World, SE. Asia, Malesia, Australia, Pacific (Melanesia, E to Fiji, Lord Howe I., New Zealand); delineated, localities indicated and shaded, species density; partial revision.

#### ERICACEAE

**Pernettya** GAUD.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 93.

Complete; New & Old World, Tasmania, Pacific (New Zealand, Juan Fernandez, Galapagos); delineated, localities indicated and shaded, species density; partial revision.

**Pernettya prostrata** (CAV.) DC.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 93.

Complete; New World, Costa Rica to Chile; delineated; partial revision.

**Rhododendron** L.—Urquhart, The Rhododendron (1958) 7.

Complete; New & Old World; shaded; occasional.

## ERIOCAULACEAE

**Eriocaulaceae.**—A. Castellanos, Gen. et sp. pl. Arg. 3 (1945) *pl. xxi, map 1.*

Complete; New & Old World, also incl. Indo-Malesia, (not E of Borneo and the Philippines), N. & E. Australia; delineated; partial revision.

U. Hamann, Willdenowia 2 (1961) 687, *map 3* (after Vester, Castellanos, Moldenke).

Complete; New & Old World, also incl. Indo-Malesia, N. & E. Australia, Pacific (Bismarck Arch.); delineated; occasional.

**Eriocaulon** L.—A. Castellanos, Gen. et sp. pl. Arg. 3 (1945) *pl. xxi, map 2.*

Partial; S. America; delineated; partial revision.

## ERYTHROXYLACEAE

**Erythroxylum** P. BROWNE.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 136.*

Partial; New & Old World, also incl. Indo-Malesia, NE. Australia, Pacific (Solomons, New Caledonia); delineated, localities of the Pacific species indicated; partial revision.

**Erythroxylum ecarinatum** BURCK.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 136.*

Complete; Old World, E. Malesia (Celebes, Moluccas, New Guinea), NE. Australia, Pacific (Solomons, Louisiades); localities indicated; partial revision.

**Erythroxylum couveleense** GUILL. & novocaledonicum O. E. SCHULZ.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 136.*

Complete; Pacific (New Caledonia); locality indicated; occasional.

## ESCALLONIACEAE

**Argophyllum** FORST.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 45.*

Complete; E. Australia, Pacific (New Caledonia); delineated, localities indicated; occasional (herbarium material).

**Corokia** A. CUNN.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 46.*

Complete; E. Australia, S. Pacific (Lord Howe, New Zealand, Chatham and Rapa); delineated, localities indicated, species density; occasional (literature).

## EUCRYPHIACEAE

**Eucryphia** CAV.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 69.*

Complete; New & Old World, SE. Australia, Tasmania, Chile; delineated, species density; occasional.

**Paracryphia** BAKER.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 70.*

Complete; Pacific (New Caledonia); delineated, species density; occasional.

## EUPHORBIACEAE

**Acalypha** L.—A. Castellanos, Gen. et sp. pl. Arg. 1 (1943) *pl. cxxxviii, map 4.*

Partial; S. America; delineated; partial revision.

**Alchornea** SWARTZ.—A. Castellanos, Gen. et sp. pl. Arg. 1 (1943) *pl. cxxxviii, map 4.*

Partial; S. America; delineated; partial revision.

**Dalechampia** L.—A. Castellanos, Gen. et sp. pl. Arg. 1 (1943) *pl. cxxxviii, map 1.*

Partial; S. America; delineated; partial revision.

**Dysopsis** BAILL.—A. Castellanos, Gen. et sp. pl. Arg. 1 (1943) *pl. cxxxviii, map 4.*

Partial; S. America (also occurring on Juan Fernandez); delineated; partial revision.

**Jatropha** L.—A. Castellanos, Gen. et sp. pl. Arg. 1 (1943) *pl. cxxxviii, map 2.*

Partial; S. America; delineated; partial revision.

**Phyllanthus** L.—A. Castellanos, Gen. et sp. pl. Arg. 1 (1943) *pl. cxxxviii, map 1.*

Partial; S. America; delineated; partial revision.

**Sapium** P. BR.—A. Castellanos, Gen. et sp. pl. Arg. 1 (1943) *pl. cxxxviii, map 5.*

Partial; S. America; delineated; partial revision.

**Sebastiania** SPR.—A. Castellanos, Gen. et sp. pl. Arg. 1 (1943) *pl. cxxxviii, map 5.*

Partial; S. America; delineated; partial revision.

**Stillingia** GARDEN.—A. Castellanos, Gen. et sp. pl. Arg. 1 (1943) *pl. cxxxviii, map 5.*

Partial; S. America; delineated; partial revision.

**Stillingia lineata** (LAMK) M. A.—C. G. G. J. van Steenis, Pac. Plant Areas 2: *map 169.*

Complete; Old World, also incl. Malesia (Lesser Sunda Is and Moluccas), Pacific (Fiji); localities indicated except in Mascarenes; occasional.

**Tragia** L.—A. Castellanos, Gen. et sp. pl. Arg. 1 (1943) *pl. cxxxviii, map 4.*

Partial; S. America; delineated; partial revision.

#### FAGACEAE

**Nothofagus** BL.—A. L. Cabrera, Rev. Mus. Ciud. Eva Peron n. s. 8 Secc. Bot. (1953) 153.

Complete; New & Old World, incl. SE. Australia, New Zealand (New Guinea and New Caledonia not included); shaded; occasional.

M. M. J. van Balgooy & C. G. G. J. van Steenis, Pac. Plant Areas 2: *map 163.*

Complete; New & Old World, incl. E. Malesia (New Guinea, Bismarcks), SE. Australia, Tasmania, Pacific (New Zealand, New Caledonia), temperate S. America; delineated, localities (also fossil) indicated and shaded, species density; partial revision.

**Nothofagus brassii** STEEN. group.—R. A. Couper, Proc. R. Soc. B. 152 (1960) 493.

Complete; New Guinea, New Caledonia; localities indicated (also pollen and fossil occurrence); occasional.

**Nothofagus fusca** (HOOK. f.) OERST. group.—R. A. Couper, Proc. R. Soc. B. 152 (1960) 493.

Complete; Tasmania, New Zealand, S. America; localities indicated (also pollen and fossil occurrence); occasional.

**Nothofagus menziesii** (HOOK. f.) OERST. group.—R. A. Couper, Proc. R. Soc. B. 152 (1960) 493.

Complete; SE. Australia, Tasmania, New Zealand, S. America; localities indicated (also pollen and fossil occurrence); occasional.

#### FLACOURTIACEAE

**Xylosma** G. FORST.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 106.*

Complete; New & Old World, also incl. Indo-Malesia, E. Australia, Pacific nearly throughout; delineated except part of America, localities indicated only in the Pacific, species density; monograph.

### FLAGELLARIACEAE

**Flagellariaceae.**—U. Hamann, Willdenowia 2 (1961) 686, map 2 (after Vester).

Complete; Old World, also incl. Indo-Malesia, N. Australia, N. Pacific (as far as the Hawaiian Is); delineated; occasional.

**Flagellaria** L.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 57.

Complete; Old World, also incl. Indo-Malesia, N. & E. Australia, Pacific (N to Bonin, S to Lord Howe I., E to Samoa); delineated except E. Africa; partial revision, literature and herbarium material.

**Joinvillea** GAUD.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 58.

Complete; 3 disjunct areas: W. Malesia, SW. Pacific, and Hawaii; delineated, localities indicated; partial revision.

### GERANIACEAE

**Geranium** sect. **Andina** KNUTH.—R. C. Carolin, Pac. Plant Areas 2: map 156.

Complete; New & Old World, SE. Australia, Tasmania, New Zealand, Andean chain; localities indicated and shaded except a few in S. America; partial revision.

**Geranium** sect. **Australiensia** KNUTH and sect. **Chilensis** KNUTH.—M. M. J. van Balgooy & R. C. Carolin, Pac. Plant Areas 2: map 158.

Complete; New & Old World, incl. S. Malesia (scattered Sumatra to New Guinea), S. Australia, Tasmania, Pacific (New Zealand, Subantarctic Is, Juan Fernandez, Hawaii?); localities indicated except in part of America; partial revision.

**Geranium** sect. **Neurophyllodes** A. GRAY.—M. M. J. van Balgooy, Pac. Pl. Areas 2: map 157.

Complete; Pacific (Hawaiian Is); delineated, localities indicated, species density; partial revision.

**Pelargonium** L'HÉR. ex AIT.—R. C. Carolin, Pac. Plant Areas 2: map 159.

Partial; Old World, also incl. India, S. Australia, Tasmania, Pacific (New Zealand, Chatham); delineated, localities indicated and shaded, species density; partial revision.

### GESNERIACEAE

**Cyrtandra** FORST.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 71.

Complete; Old World, also incl. Indo-Malesia, NE. Australia, Pacific, east to Hawaii and Marquesas (not in New Zealand or Central Pacific); delineated, localities indicated, approximate species density; occasional.

### GNETACEAE

**Gnetum gnemon** L.—Kasin Suvatabandhu, J. Nat. Res. Counc. Thailand 2 (1961) 68.

Partial; Thailand; localities indicated; occasional.

**Gnetum leptostachyum** Bl.—Kasin Suvatabandhu, J. Nat. Res. Counc. Thailand 2 (1961) 68.

Partial; Thailand; localities indicated; occasional.

**Gnetum neglectum** Bl.—Kasin Suvatabandhu, J. Nat. Res. Counc. Thailand 2 (1961) 68.

Partial; Thailand; localities indicated; occasional.

### GOODENIACEAE

**Selliera** CAV.—M. M. J. van Balgooy & R. C. Carolin, Pac. Plant Areas 2: map 155.

Complete; New & Old World, S. Australia, Tasmania, New Zealand, Chile; areas shaded; partial revision.

## GRAMINEAE

**Eragrostoideae** PILGER.—W. Hartley & Chr. Slater, Austr. J. Bot. 8 (1960) 266, 268.

Complete; New & Old World, also incl. Indo-Malesia (part of Malesia), Australia, New Zealand, Pacific; localities indicated, species density (percentage of spp. in the total grass flora); occasional.

**Gramineae tribe Eragrostaeae** BENTH. subtribe **Eragrostinae** OHWI.—W. Hartley & Chr. Slater, Austr. J. Bot. 8 (1960) 258.

Complete; New & Old World, also incl. Indo-Malesia (part of Malesia), Australia, New Zealand, Pacific; localities indicated, species density (percentage of spp. in the total grass flora); occasional.

**Oryza minuta** J. S. PRESL ex C. B. PRESL.—T. Tateoka, Natural Science & Museums (Tokyo) 29 (1962) 79, f. 14-5.

Complete; Old World, Formosa; delineated; revision.

**Oryza officinalis** WALL. ex WATT.—T. Tateoka, Natural Science & Museums (Tokyo) 29 (1962) 79, f. 14-4.

Complete; Old World, Indo-Malesia as far E as New Guinea; delineated; revision.

**Poa** L.—W. Hartley, Austr. J. Bot. 9 (1961) 156, f. 2.

Complete; New & Old World; species density (percentage of spp. in the total grass flora); occasional.

**Saccharum** L.—S. K. Mukherjee, Lloydia 21 (1958) 161.

Complete; Old World, also incl. Indo-Malesia, Pacific (Bismarck and Solomon Is); delineated; occasional.

## GUTTIFERAE

**Calophyllum** L.—J. K. Maheswari, Bull. Bot. Surv. India 2 (1960) 140.

Partial; India (9 spp.); localities indicated; partial revision.

**Hypericum** L.—L. B. Smith, Contr. U.S. Nat. Herb. 35 (1962) 243.

Partial; S. America; localities indicated; occasional.

## HALORAGIDACEAE

**Gunnera** L. (with sections and species).—F. J. W. Bader, Bot. Jahrb. 80 (1961) map facing p. 286.

Complete; New & Old World, incl. Malesia, Tasmania, New Zealand, Hawaiian Is; delineated, localities indicated; occasional.

**Gunnera macrophylla** BL.—F. J. W. Bader, Bot. Jahrb. 80 (1961) map facing p. 286.

Complete; Malesia (not in Malaya, Borneo, Lesser Sunda Is); delineated; occasional.

**Gunnera reniformis** RIDL.—F. J. W. Bader, Bot. Jahrb. 80 (1961) map facing p. 286.

Complete; SW. New Guinea; locality indicated; occasional.

**Haloragis micrantha** (THUNB.) R. BR. ex SIEB. & ZUCC.—C. G. G. J. van Steenis, Endeavour 21 (1962) 187, f. 3; Blumea 11 (1962) 254, map 9.

Complete; Old World, Indo-Malesia (not in Malaya and Sumatra), SE. Australia, Tasmania, New Zealand; delineated, localities indicated; occasional.

N. Caspers, Pac. Plant Areas 2: map 31.

Complete; E. India to Japan, Malesia (not Sumatra and Malaya), SE. Australia, Tasmania, New Zealand; delineated, localities indicated and shaded; partial revision.

### HAMAMELIDACEAE

**Distylium** SIEB. & ZUCC.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 73.*

Complete; New & Old World (2 disjunct areas), Asia (India to Bonin and Malesia: Malaya to Lesser Sunda Is), and Central America (Guatemala, Honduras); delineated, localities indicated, species density; partial revision.

### HYDROCHARITACEAE

**Enhalus acoroides** (L. f.) RICH. ex STEUD.—C. den Hartog, Pac. Plant Areas 2: *map 114.*

Partial; Old World, also incl. Ceylon, Annam, Ryu Kyu, Malesia, Pacific (W. Micronesia, New Caledonia); delineated, localities indicated; monograph.

**Halophila baillonis** ASCHERS. ex HOOK. f.—C. den Hartog, Pac. Plant Areas 2: *map 121.*

Complete; New World, Caribbean, Isla Jicaron (Pacific coast Panama); localities indicated except Brazil; monograph.

**Halophila beccariei** ASCHERS.—C. den Hartog, Pac. Plant Areas 2: *map 119.*

Complete; SE. Asia incl. also Ceylon, W. Malesia; localities indicated; monograph.

**Halophila decipiens** OSTENF.—C. den Hartog, Pac. Plant Areas 2: *map 118.*

Complete; New & Old World, Indian Ocean, scattered in Malesia and E. Australia, Pacific (Tahiti), Caribbean; localities indicated; monograph.

**Halophila decipiens** OSTENF. var. **decipiens**.—C. den Hartog, Pac. Plant Areas 2: *map 118.*

Complete; Old World, Seychelles, India, Siam, Malesia, E. Australia; localities indicated except in the Seychelles; monograph.

**Halophila decipiens** var. **pubescens** DEN HARTOG.—C. den Hartog, Pac. Plant Areas 2: *map 118.*

Complete; New & Old World, Ceylon, Pacific (Tahiti) and Caribbean; localities indicated except Bermuda; monograph.

**Halophila minor** (ZOLL.) DEN HARTOG.—C. den Hartog, Pac. Plant Areas 2: *map 117.*

Complete; Indo-Malesia, Pacific (Mariannas); localities indicated; monograph.

**Halophila ovalis** (R. BR.) HOOK.—C. den Hartog, Pac. Plant Areas 2: *map 116.*

Partial; Old World, also incl. Indo-Malesia, Australia, scattered in the Pacific, as far as Hawaii; localities indicated; monograph.

**Halophila spinulosa** (R. BR.) ASCHERS.—C. den Hartog, Pac. Plant Areas 2: *map 120.*

Complete; Malesia, Australia; localities indicated; monograph.

**Thalassia hemprichii** (EHRENB.) ASCHERS.—C. den Hartog, Pac. Plant Areas 2: *map 115.*

Partial; Old World, also incl. Ceylon, SE. Asia. Ryu Kyu, Malesia, NE. Australia, Pacific (Micronesia, Melanesia incl. New Caledonia); delineated, localities indicated; monograph.

### ICACINACEAE

**Merrilliodendron megacarpum** (HEMSL.) SLEUM.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 95.*

Complete; Malesia (Palawan, New Guinea), Pacific (Micronesia, Bismarcks, Solomons); localities indicated; occasional (literature and herbarium material).

**Pennantia** FORST.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 144.*

Complete; E. Australia, Pacific (Norfolk, New Zealand); delineated, species density; occasional (literature).

**Pennantia corymbosa** FORST.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 144.*

Complete; New Zealand; delineated; occasional.

**Pennantia cunninghamii** MIERS.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 144.*

Complete; E. Australia; delineated; occasional.

**Pennantia endlicheri** REISS.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 144.*

Complete; Pacific (Norfolk I.); locality indicated, occasional.

#### IRIDACEAE

**Libertia** SPRENG.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 161.*

Complete; New & Old World, incl. Malesia (New Guinea), SE. Australia, Tasmania, Pacific (New Zealand, Chatham, Juan Fernandez), S. America; localities indicated and shaded; literature and herbarium material.

#### JUGLANDACEAE

**Carya** NUTT.—D. E. Stone, Am. J. Bot. 49 (1962) 209, f. 84 (distribution of 6 spp. specified).

Complete; New & Old World, also incl. SE. Asia (not Malesia and Pacific); shaded, species density; partial revision.

**Engelhardia** LECHEN. ex BL.—M. Jacobs, Fl. Mal. I 6 (1960) 146, f. 2.

Partial; Indo-Malesia; delineated, species density; partial revision.

#### JUNCACEAE

**Rostkovia magellanica** HOOK. f.—A. L. Cabrera, Rev. Mus. Ciud. Eva Peron n. s. 8 Secc. Bot. (1953) 154.

Complete; southern hemisphere, Subantarctic islands, also incl. Auckland and Campbell Is.; localities indicated; occasional (after Du Rietz).

#### LABIATAE

**Lepechinia** WILLD.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 135.*

Partial; New & Old World, also incl. Pacific (Hawaii, Socorro I.); delineated, localities in the Pacific indicated, species density; monograph.

**Lepechinia hastata** (A. GRAY) EPL.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 135.*

Complete; Pacific (Hawaii, Socorro I. off Mexico), Baya California; delineated, localities indicated; monograph.

#### LECYTHIDACEAE

**Barringtonia racemosa** (L.) Bl.—M. M. J. van Balgooy & J. P. D. W. Payens, Pac. Plant Areas 2: *map 164.*

Complete; Old World, also incl. Indo-Malesia, NE. Australia, Pacific (Micronesia, Melanesia, E to Samoa); delineated except in Africa and the Malagasy area; monograph.

## LEGUMINOSAE

**Indigofera hirsuta** L.—J. B. Gillett, Kew Bull. 14 (1960) 291.

Complete; Old World, also incl. Indo-Malesia (and Bismarck Arch.), N. Australia; delineated; partial revision.

**Intsia Thou.**—M. M. J. van Balgooy, Pac. Plant Areas 2: map 86.

Complete; Old World, also incl. Indo-Malesia, N. Australia, Pacific (E to Marshalls and Samoa); delineated (not in the Malagasy area), localities indicated in the Pacific only; partial revision.

**Intsia bijuga** (COLEB.) O. K.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 86.

Complete; Old World, also incl. Indo-Malesia, N. Australia, Pacific (E to Marshalls and Samoa); delineated (not in the Malagasy area), localities indicated in the Pacific only; partial revision.

**Intsia palembanica** MIQ.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 86.

Complete; Indo-Malesia, from mouth of Ganges (India) to W. New Guinea, not in the Philippines; delineated; partial revision.

**Pericopsis mooniana** THW.—M. S. Knaap-van Meeuwen, Bull. Jard. Bot. Brux. 32 (1962) 217.

Complete; Indo-Malesia (Ceylon to Carolines, not in Java and Lesser Sunda Is), Pacific (Micronesia); delineated, localities indicated; monograph.

M. M. J. van Balgooy & M. S. Knaap-van Meeuwen, Pac. Plant Areas 2: map 111.

Complete; Ceylon, Malesia (not Malaya and Java), Pacific (Carolines); delineated, localities indicated; partial revision.

**Prosopis insularum** (GUILL.) BRET. ssp. **insularum**.—F. J. Breteler, Acta Bot. Neerl. 9 (1960) 400.

Complete; Pacific; localities indicated; partial revision.

**Prosopis insularum** ssp. **novoguineensis** (WARB.) BRET.—F. J. Breteler, Acta Bot. Neerl. 9 (1960) 402.

Complete; Malesia (Morotai, New Guinea), Pacific (Solomon Is); localities indicated; partial revision.

**Pycnospora lutescens** (POIR.) SCHINDL.—C. G. G. J. van Steenis c.s., Reinwardtia 5 (1961) 427, map 3.

Partial; Old World, Indo-Malesia (not from Sumatra to Borneo), N. Australia; delineated, localities indicated; partial revision.

**Rhynchosia minima** (L.) DC.—C. G. G. J. van Steenis c.s., Reinwardtia 5 (1961) 428, map 5.

Partial; Old World, Indo-Malesia (incl. S. Malesia, E. New Guinea), N. Australia; delineated, localities indicated; partial revision.

**Rhynchosia rothii** BTH. ex AITCH.—C. G. G. J. van Steenis c.s., Reinwardtia 5 (1961) 428, map 6.

Partial; Old World, Indo-Malesia (incl. Java, Lesser Sunda Is); delineated, localities indicated; partial revision.

**Smithia ciliata** ROYLE.—C. G. G. J. van Steenis c.s., Reinwardtia 5 (1961) 427, map 4.

Partial; Old World, Indo-Malesia (also incl. Luzon, E. Java, Lesser Sunda Is, S. Celebes); delineated, localities indicated; partial revision.

- Smithia sensitiva** AIT.—C. G. G. J. van Steenis c.s., Reinwardtia 5 (1961) 426, map 2.  
Partial; Old World, Indo-Malesia (not Borneo); delineated, localities indicated; partial revision.
- Sophora** sect. **Edwardsia** (SALISB.) BAKER ser. **Tetrapterae**.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 160.  
Complete; Southern Hemisphere New & Old World, incl. also S. Pacific, Hawaii, Chile; delineated, localities partly indicated, species density; occasional.
- Zornia** GMEL.—R. H. Mohlenbrock, Webbia 16 (1961) 1—141, fig., maps.  
Complete; New & Old World, also incl. Indo-Malesia, Australia; shaded, localities indicated, monograph.
- Zornia** subg. **Zornia** sect. **Anisophylla** MOHLENBROCK.—R. H. Mohlenbrock, Webbia 16 (1961) 7.  
Complete; New & Old World, also incl. Indo-Malesia (not Borneo and S. Philippines) to Central Australia, Galapagos Is; shaded; monograph.
- Zornia** subg. **Zornia** sect. **Isophylla** MOHLENBROCK.—R. H. Mohlenbrock, Webbia 16 (1961) 6.  
Complete; New & Old World, also incl. SE. Asia, S. Malesia, E. New Guinea, N. Australia; shaded, monograph.
- Zornia baliensis** MOHLENBROCK.—R. H. Mohlenbrock, Webbia 16 (1961) 62, f. 45.  
Complete; Lesser Sunda Is (Bali, Lombok); localities indicated; monograph.
- Zornia cantoniensis** MOHLENBROCK.—R. H. Mohlenbrock, Webbia 16 (1961) 62, f. 45.  
Complete; Indo-Malesia (incl. Sumatra, Malaya, Luzon); localities indicated; monograph.
- Zornia curvata** MOHLENBROCK.—R. H. Mohlenbrock, Webbia 16 (1961) 85.  
Complete; New World, also incl. Pacific (Galapagos Is); localities indicated; monograph.
- Zornia filifolia** DOMIN.—R. H. Mohlenbrock, Webbia 16 (1961) 50.  
Complete; Thursday I. (S of New Guinea); locality indicated; monograph.
- Zornia gibbosa** SPAN.—R. H. Mohlenbrock, Webbia 16 (1961) 62, f. 44.  
Complete; SE. Asia, Malesia (Malaya, Luzon, Celebes, Papua), N. Australia; localities indicated; monograph.
- Zornia muelleriana** MOHLENBROCK.—R. H. Mohlenbrock, Webbia 16 (1961) 53.  
Partial; Australia (Queensland), according to text, p. 132, also in NW. Java; localities indicated; monograph.
- Zornia muriculata** MOHLENBROCK.—R. H. Mohlenbrock, Webbia 16 (1961) 53.  
Partial; Australia, Torres Straits, according to text, p. 76—77, also in Papua; localities indicated; monograph.
- Zornia nervata** MOHLENBROCK.—R. H. Mohlenbrock, Webbia 16 (1961) 50.  
Partial; Thursday I. (S of New Guinea), according to text, p. 131, found in Papua too!, Australia; localities indicated; monograph.
- Zornia papuensis** MOHLENBROCK.—R. H. Mohlenbrock, Webbia 16 (1961) 62, f. 45.  
Complete; E. New Guinea or ? Bismarck Arch. (see p. 74 text); localities indicated; monograph.
- Zornia piurensis** MOHLENBROCK.—R. H. Mohlenbrock, Webbia 16 (1961) 106.  
Complete; New World, S. America (also incl. Galapagos Is); localities indicated; monograph.

**Zornia zollingeri** MOHLENBROCK.—R. H. Mohlenbrock, *Webbia* 16 (1961) 58.

Complete; Java; locality indicated; monograph.

#### LILIACEAE

**Astelia** BANKS & SOL. ex R. BR.—M. M. J. van Balgooy, *Pac. Plant Areas* 2: *map 47*.

Complete; New & Old World, also incl. Malesia (New Guinea), SE. Australia, Tasmania, S. & E. Pacific (also Hawaii), temperate S. America; delineated except in the Mascarenes, species density; monograph.

**Collospermum** SKOTTSB.—M. M. J. van Balgooy, *Pac. Plant Areas* 2: *map 48*.

Complete; New Zealand, Pacific (Fiji, Samoa); delineated, species density; monograph.

**Cordyline dracaenoides** KUNTH.—L. B. Smith, *Contr. U.S. Nat. Herb.* 35 (1962) 246, f. 42.

Complete; S. America; localities indicated; occasional.

**Eustrephus latifolius** R. BR. ex SIMS.—M. M. J. van Balgooy, *Pac. Plant Areas* 2: *map 96*.

Complete; Malesia (E. New Guinea), E. Australia, Pacific (New Caledonia, Loyalties); delineated, localities indicated and shaded; monograph.

**Geitonoplesium cymosum** (R. BR.) A. CUNN.—M. M. J. van Balgooy, *Pac. Plant Areas* 2: *map 97*.

Complete; Old World, Malesia (Philippines, Lesser Sunda Is., Moluccas, New Guinea), E. Australia, Pacific (Bismarcks, Solomons, New Hebrides, New Caledonia, Loyalties, Fiji, Lord Howe, Norfolk); delineated, localities indicated and shaded; monograph.

**Herpolirion** HOOK. f.—M. M. J. van Balgooy, *Pac. Plant Areas* 2: *map 98*.

Complete; S. Australia, Tasmania, New Zealand; delineated, areas shaded; occasional.

**Xeronema** BRONGN. & GRIS.—L. B. Moore, *Pac. Sc.* 11 (1957) 356, f. 1.

Complete; New Zealand, Pacific (New Caledonia); localities indicated; monograph.

M. M. J. van Balgooy, *Pac. Plant Areas* 2: *map 99*.

Complete; New Zealand, Pacific (New Caledonia); delineated, localities indicated; monograph.

**Xeronema callistemon** OLIV.—M. M. J. van Balgooy, *Pac. Plant Areas* 2: *map 99*.

Complete; New Zealand (Poor Knights and Hen I.); localities indicated; monograph.

**Xeronema moorei** BRONGN. & GRIS.—M. M. J. van Balgooy, *Pac. Plant Areas* 2: *map 99*.

Complete; Pacific (New Caledonia); localities indicated; monograph.

#### LINACEAE

**Ixonanthoideae**.—C. G. G. J. van Steenis, *Blumea* 11 (1962) 269, *map 17*.

Complete; New & Old World, also incl. Indo-Malesia; delineated; occasional.

#### LOGANIACEAE

**Buddleja** Houst. ex L.—R. J. Moore, *Am. J. Bot.* 34 (1947) 533, f. 29.

Complete; New & Old World, also incl. Indo-Malesia, Pacific (Micronesia); delineated; occasional.

**Cynoctonum** GMEL.—P. W. Leenhouts, *Pac. Plant Areas* 2: *map 33*.

Complete; New & Old World, also incl. Indo-Malesia to New Guinea, N. Australia, Pacific (W. Carolines, Yap); delineated, localities indicated except in Madagascar and Brazil, species density; partial revision.

**Fagraea** THUNB.—P. W. Leenhouts, Fl. Mal. I 6 (1962) 303.

Complete; Indo-Malesia, N. Australia, Pacific; delineated, species density; partial revision.

M. M. J. van Balgooy & P. W. Leenhouts, Pac. Plant Areas 2: map 91.

Complete; Indo-Malesia, N. Australia, Pacific (E to Marquesas and Rapa); localities indicated and shaded; partial revision.

**Fagraea berteriana** A. GRAY.—M. M. J. van Balgooy & P. W. Leenhouts, Pac. Plant Areas 2: map 91.

Complete; Malesia (New Guinea), NE. Australia, Pacific (Micronesia, Melanesia, E to Marquesas and Rapa); delineated; partial revision.

**Fagraea gracilipes** A. GRAY.—M. M. J. van Balgooy & P. W. Leenhouts, Pac. Plant Areas 2: map 91.

Complete; E. Malesia (New Guinea), NE. Australia, Pacific (Solomons, St. Cruz, Fiji); delineated; partial revision.

**Gelsemium** JUSS.—C. G. G. J. van Steenis, Blumea 11 (1962) 248, map 6.

Complete; New & Old World, Indo-Malesia (incl. Sumatra to Borneo), Southern N. America; delineated; occasional.

P. W. Leenhouts, Pac. Plant Areas 2: map 30.

Complete; New & Old World, SE. Asia, Malesia (Borneo, Sumatra), N. America; delineated, localities indicated and shaded; partial revision, literature and herbarium material.

**Geniostoma** FORST.—P. W. Leenhouts, Pac. Plant Areas 2: map 39.

Complete; Old World, Mascarenes, Formosa, S. Japan, throughout Malesia (except Malaya), NE. Australia, throughout most of the Pacific (N to Bonin, S to New Zealand, E to Society Is and Rapa); delineated, localities indicated, species density; partial revision.

**Labordia** GAUD.—P. W. Leenhouts, Pac. Plant Areas 2: map 40.

Complete; Pacific (Hawaiian Is); delineated, localities indicated; monograph.

**Mitrasacme elata** R. BR.—P. W. Leenhouts, Fl. Mal. I 6 (1962) 381.

Complete; SE. Malesia (Lesser Sunda Is, New Guinea), N. Australia; localities indicated; partial revision.

**Mitrasacme indica** WIGHT.—P. W. Leenhouts, Fl. Mal. I 6 (1962) 384.

Complete; Indo-Malesia, N. & NE. Australia; delineated, localities indicated; partial revision.

**Neuburgia** BL.—P. W. Leenhouts, Pac. Plant Areas 2: map 38.

Complete; NE. Malesia (Philippines and Celebes eastwards), Pacific (Carolines, Melanesia, E. to Fiji); delineated, localities indicated; partial revision.

**Neuburgia celebica** (KOORD.) LEENH.—P. W. Leenhouts, Pac. Plant Areas 2: map 38.

Complete; E. Malesia (Philippines, Celebes, Moluccas, New Guinea), Pacific (Carolines); localities indicated; partial revision.

**Strychnos** L.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 141.

Partial; New & Old World, also incl. Indo-Malesia, N. & E. Australia, Pacific (Solomons, Fiji); delineated, localities in the Pacific indicated, species density; partial revision.

**Strychnos lucida** R. BR.—P. W. Leenhouts, Fl. Mal. I 6 (1962) 350.

Complete; Siam, SE. Malesia to N. Australia; delineated, localities indicated; partial revision.

**Strychnos vitiensis** A. W. HILL.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 141.*  
Complete; Pacific (Fiji); localities indicated; partial revision.

#### LORANTHACEAE

**Amyema VAN TIEGHEM.**—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 138.*

Complete (except Africa); Old World, also incl. Malesia, Australia, Pacific (Ponape, Melanesia; not in Solomons, Fiji and Tonga); delineated, localities indicated in the Pacific only, species density; partial revision.

**Amyema artensis** (MONTR.) DANS.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 138.*

Complete; Malesia (E. New Guinea), Pacific (Ponape, Bismarcks, D'Entrecasteaux, Louisiades, New Caledonia, New Hebrides, Samoa); delineated; partial revision.

**Amylotheca VAN TIEGHEM.**—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 139.*

Complete; Malesia, N. & E. Australia, Pacific (Melanesia and SE. Polynesia to Marquesas); delineated, localities in the Pacific indicated, species density; partial revision.

**Korthalsella VAN TIEGHEM.**—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 90.*

Complete (except Africa and the Malagasan area); Old World, incl. Indo-Malesia, Australia S. & E. Pacific (incl. New Zealand and Hawaii); localities indicated, species density; monograph.

**Korthalsella opuntia** (THUNB.) MERR.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 90.*

Partial; Old World, also incl. Indo-Malesia, Australia, Pacific (Bonin, Lord Howe I); localities indicated; monograph.

**Korthalsella platycaula** (VAN TIEGHEM) ENGL.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 90.*

Complete; Pacific (Samoa to Henderson I. and Hawaii); delineated, localities indicated; monograph.

#### LYTHRACEAE

**Ammannia** L.—L. Fenaroli, Atti Istit. Bot. Univ. Lab. Critt. Pavia V 19 (1962) 16, f. 1 (amended from Koehne 1886).

Complete; New & Old World, also incl. Indo-Malesia (not Borneo), Australia, Pacific (Hawaii); delineated; occasional.

#### MALPIGHIACEAE

**Rysopterys** BL. ex JUSS.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 110.*

Complete; Old World, Formosa, Malesia (from Philippines and Java eastwards), NE. Australia, Pacific (Carolines, Melanesia W of Fiji); delineated; partial revision.

**Rysopterys timoriensis** (DC.) JUSS. var. *discolor* (GAUD.) JACOBS.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 110.*

Complete; Formosa, Malesia (E. New Guinea), Pacific (Solomons, New Caledonia, New Hebrides); delineated; partial revision.

#### MALVACEAE

**Gossypium** L. (wild diploid species).—J. H. Saunders, The wild species of *Gossypium* and their evolutionary history. Oxford Univ. Press (1961) 53, f. 2 (all species separately indicated).

Complete; New & Old World, not Malesia and Pacific; delineated, localities indicated; monograph.

(4 species and races of cultivated cottons).—J. Hutchinson, Endeavour 21 (1962) 5—15, 4 maps.

Complete; New & Old World, also incl. Malesia, Pacific (Galapagos); delineated (former and present areas); monograph.

**Hibiscus arnottianus** A. GRAY f. and var.—Sister M. J. Roe, Pac. Sc. 15 (1961) 30.

Complete; Pacific (Hawaiian Is, Oahu); localities indicated; partial revision.

**Hibiscus brackenridgei** A. GRAY and 2 var.—Sister M. J. Roe, Pac. Sc. 15 (1961) 11.

Complete; Pacific (Hawaiian Is); localities indicated; partial revision.

**Hibiscus immaculatus** M. J. ROE.—Sister M. J. Roe, Pac. Sc. 15 (1961) 24.

Complete; Pacific (Hawaiian Is, Molokai); localities indicated; partial revision.

**Hibiscus kahilii** C. N. FORBES.—Sister M. J. Roe, Pac. Sc. 15 (1961) 21.

Complete; Pacific (Hawaiian Is, Kauai); localities indicated; partial revision.

**Hibiscus kokio** HILLEBR. and var.—Sister M. J. Roe, Pac. Sc. 15 (1961) 18.

Complete; Pacific (Hawaiian Is); localities indicated; partial revision.

**Hibiscus newhousei** M. J. ROE.—Sister M. J. Roe, Pac. Sc. 15 (1961) 22.

Complete; Pacific (Hawaiian Is, Kauai); localities indicated; partial revision.

**Hibiscus saint-johnianus** M. J. ROE.—Sister M. J. Roe, Pac. Sc. 15 (1961) 21.

Complete; Pacific (Hawaiian Is, Kauai); localities indicated; partial revision.

**Hibiscus waimeae** HELLER.—Sister M. J. Roe, Pac. Sc. 15 (1961) 22.

Complete; Pacific (Hawaiian Is, Kauai); localities indicated; partial revision.

**Hibiscus youngianus** GAUD. ex H. & A.—Sister M. J. Roe, Pac. Sc. 15 (1961) 9.

Complete; Pacific (Hawaiian Is); localities indicated; partial revision.

### MELASTOMATACEAE

**Astronia** BL.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 123.

Complete; Formosa, Malesia, Pacific (Carolines, Melanesia E to Society Is, not New Caledonia); delineated, localities in the Pacific indicated; literature and herbarium material.

**Astronia** sect. **Astronium** A. GRAY.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 123.

Complete; Malesia (N. Borneo, New Guinea), Pacific (Carolines, Melanesia E to Society Is); delineated, Pacific localities indicated; occasional.

**Melastoma** L.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 122.

Complete; Old World, also incl. Indo-Malesia, N. Australia, Pacific (Bonin, Micronesia, Melanesia, E to Society Is); delineated, localities indicated in the Pacific only; partial revision.

### MELIACEAE

**Vavaea** BENTH.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 51.

Complete; Malesia (except Malaya and Lesser Sunda Is), N. Australia, Pacific (Melanesia, not in New Caledonia); delineated, localities indicated; literature and herbarium material.

### MUSACEAE

**Musaceae (wild).**—N. W. Simmonds, Evolution Bananas (1962) 28, *f. II 1.*  
Complete; Old World, incl. Indo-Malesia, Pacific (? adventive); delineated; monograph.

**Ensete BRUCE.**—N. W. Simmonds, Evolution Bananas (1962) 28.  
Complete; Old World, Indo-Malesia (incl. Philippines and E of Celebes); delineated; monograph.

**Musa sect. Australimusa CHEESMAN.**—N. W. Simmonds, Evolution Bananas (1962) 152.  
Complete; E. Malesia (from the Moluccas eastwards, incl. the Solomons), Pacific (cultivars); delineated; monograph.

**Musa acuminata COLLA** and ssp.—N. W. Simmonds, Evolution Bananas (1962) 28, 30  
(subspecies).  
Complete; Old World, Indo-Malesia (incl. the whole of Malesia), NE. Australia (? extinct), Pacific (outliers in Hawaii and Samoa, probably adventive); delineated; monograph.

**Musa balbisiana COLLA.**—N. W. Simmonds, Evolution Bananas (1962) 28.  
Complete; Old World, Indo-Malesia (incl. Philippines, New Guinea), Pacific (Hawaii, ? adventive); delineated; monograph.

### MYOPORACEAE

**Myoporum BANKS & SOL. ex FORST.**—M. M. J. van Balgooy, Pac. Plant Areas 2: map 59.  
Complete; Old World, Mascarenes, E. Asia incl. Ryu Kyu and Bonin Is, E. Malesia, Australia, Pacific (Marianas, Hawaii, New Zealand to New Hebrides and Tubuai); localities indicated except in the Mascarenes, species density; monograph.

**Myoporum sandwicense A. GRAY** and var.—G. L. Webster, Pac. Sc. 5 (1951) 64, 66.  
Complete; Pacific (Hawaiian Is); localities indicated; partial revision.

### MYRISTICACEAE

**Knema LOUR.**—J. Sinclair, Gard. Bull. Sing. 18 (1961) 110, *map 1.*  
Complete; Old World, Indo-Malesia (as far E as W. New Guinea); delineated; monograph.  
J. Sinclair, Gard. Bull. Sing. 18 (1961) 111, *map 2.*  
Complete; Old World, Indo-Malesia; delineated, species density; monograph.

**Knema cinerea** (POIR.) WARB. and var.—J. Sinclair, Gard. Bull. Sing. 18 (1961) 293,  
*map 3.*  
Complete; Old World, Indo-Malesia (as far E as Moluccas, not in the Philippines and New Guinea); delineated, localities indicated; monograph.

**Knema conferta** (KING) WARB.—J. Sinclair, Gard. Bull. Sing. 18 (1961) 293, *map 4.*  
Complete; Old World, Malesia (Sumatra to Borneo); localities indicated; monograph.

**Knema curtisii** (KING) WARB. and var.—J. Sinclair, Gard. Bull. Sing. 18 (1961) 295, *map 5.*  
Complete; Malesia (Sumatra to Borneo); delineated, localities indicated; monograph.

**Knema elmeri** MERR.—J. Sinclair, Gard. Bull. Sing. 18 (1961) 296, *map 6.*  
Complete; Malesia (Borneo); localities indicated; monograph.

**Knema furfuracea** (HOOK. f. & TH.) WARB.—J. Sinclair, Gard. Bull. Sing. 18 (1961)  
297, *map 7.*  
Complete; Indo-Malesia (incl. Sumatra to Borneo); localities indicated; monograph.

***Knema galeata*** J. SINCLAIR.—J. Sinclair, Gard. Bull. Sing. 18 (1961) 300, map 10.

Complete; Malesia (Borneo); localities indicated; monograph.

***Knema globularia*** (LAMK) WARBB.—J. Sinclair, Gard. Bull. Sing. 18 (1961) 298, map 8.

Complete; Indo-Malesia (incl. islets near Sumatra, Malaya); localities indicated; monograph.

***Knema glomerata*** (BLANCO) MERR.—J. Sinclair, Gard. Bull. Sing. 18 (1961) 299, map 9.

Complete; Philippines; localities indicated; monograph.

***Knema hookeriana*** (HOOK. f. & TH.) WARBB.—J. Sinclair, Gard. Bull. Sing. 18 (1961) 300, map 10.

Complete; Malesia (Sumatra to Malaya); localities indicated; monograph.

***Knema intermedia*** (BL.) WARBB.—J. Sinclair, Gard. Bull. Sing. 18 (1961) 301, map 11.

Complete; Malesia (Sumatra to Borneo, also W. Java); localities indicated; monograph.

J. Sinclair, Gard. Bull. Sing. 18 (1961) 302, map 12.

Complete; Malesia (Sumatra to Borneo, W. Java); delineated; monograph.

***Knema korthalsii*** WARBB.—J. Sinclair, Gard. Bull. Sing. 18 (1961) 303, map 13.

Complete; Malesia (Borneo, S. Philippines); localities indicated; monograph.

***Knema kunstleri*** (KING) WARBB. and var.—J. Sinclair, Gard. Bull. Sing. 18 (1961) 304, map 14.

Complete; Malesia (Malaya, Borneo, Philippines); localities indicated; monograph.

***Knema latericia*** ELMER.—J. Sinclair, Gard. Bull. Sing. 18 (1961) 305, map 15.

Complete; Indo-Malesia (Malaya, Banka, Borneo, Palawan); delineated, localities indicated; monograph.

***Knema latifolia*** WARBB.—J. Sinclair, Gard. Bull. Sing. 18 (1961) 306, map 16.

Complete; Malesia (Sumatra, Borneo); localities indicated; monograph.

***Knema laurina*** (BL.) WARBB.—J. Sinclair, Gard. Bull. Sing. 18 (1961) 307, map 17.

Complete; Indo-Malesia (incl. Sumatra to Borneo and Central Java); localities indicated; monograph.

***Knema mandaharan*** (MIQ.) WARBB.—J. Sinclair, Gard. Bull. Sing. 18 (1961) 302, map 12.

Complete; Malesia (Sumatra to Malaya); delineated; monograph.

***Knema plumulosa*** J. SINCLAIR.—J. Sinclair, Gard. Bull. Sing. 18 (1961) 302, map 12.

Complete; Malaya; delineated; monograph.

***Knema rufa*** WARBB.—J. Sinclair, Gard. Bull. Sing. 18 (1961) 302, map 12.

Complete; Malesia (NW. Borneo); localities indicated; monograph.

***Knema tomentella*** (MIQ.) WARBB.—J. Sinclair, Gard. Bull. Sing. 18 (1961) 308, map 18.

Complete; Malesia (E and N of Borneo, to W. New Guinea); delineated; monograph.

***Knema uliginosa*** J. SINCLAIR.—J. Sinclair, Gard. Bull. Sing. 18 (1961) 302, map 12.

Complete; Malesia (Borneo); delineated; monograph.

## MYRSINACEAE

**Aegiceras GAERTN.**—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 92*.

Complete; Indo-Malesia, N. & E. Australia, Pacific (Solomons, Lord Howe I); delineated, localities of 1 species indicated; occasional (literature and herbarium).

**Aegiceras corniculatum** (L.) BLANCO.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 92*.

Complete; Indo-Malesia, N. & E. Australia, Pacific (Solomons, Lord Howe I); delineated; occasional (literature and herbarium).

**Aegiceras floridum** R. & S.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 92*.

Complete; Malesia (not Malaya); localities indicated; occasional (literature and herbarium).

## MYRTACEAE

**Eucalyptus alba** REINW.—Forest Trees of Australia (1957) 206.

Partial; N. Australia (found in Malesia also, Lesser Sunda Is and New Guinea); shaded; occasional.

**Eucalyptus papuana** F. MUELL.—Forest Trees of Australia (1957) 40.

Partial; N. half of Australia (found in New Guinea also); shaded; occasional.

**Eucalyptus tereticornis** SM. (syn. *E. umbellata* (Gaertn.) Domin).—Forest Trees of Australia (1957) 88.

Partial; E. Australia (found in New Guinea also); shaded; occasional.

**Metrosideros BANKS ex GAERTN.**—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 113*.

Complete; Old World, also incl. E. Malesia, N. Australia, Pacific (except Micronesia); delineated, localities indicated except in S. Africa, species density; occasional.

## NAJADACEAE

**Najas browniana** RENDLE.—W. J. J. O. de Wilde, Fl. Mal. I 6 (1962) 163.

Partial; Malesia (Java, S. New Guinea), N. Australia; localities indicated; partial revision.

**Najas graminea** DEL.—W. J. J. O. de Wilde, Fl. Mal. I 6 (1962) 170.

Partial; Malesia (Malaya and Borneo excepted), W. Pacific (New Caledonia); localities indicated; partial revision.

**Najas indica** (WILLD.) CHAM.—W. J. J. O. de Wilde, Fl. Mal. I 6 (1962) 167.

Partial; Malesia (Borneo and Moluccas excepted); localities indicated; partial revision.

**Najas kurziana** RENDLE.—W. J. J. O. de Wilde, Fl. Mal. I 6 (1962) 163.

Partial; Malesia (E. Timor); locality indicated; partial revision.

**Najas malesiana** DE WILDE.—W. J. J. O. de Wilde, Fl. Mal. I 6 (1962) 169.

Partial; Malesia; localities indicated; partial revision.

**Najas marina** L. var. *marina*.—W. J. J. O. de Wilde, Fl. Mal. I 6 (1962) 163.

Partial; Malesia (Kei Is); locality indicated; partial revision.

**Najas marina** var. *sumatrana* DE WILDE.—W. J. J. O. de Wilde, Fl. Mal. I 6 (1962) 163.

Complete; Malesia (Central Sumatra); locality indicated; partial revision.

**Najas marina** var. *zollingeri* RENDLE.—W. J. J. O. de Wilde, Fl. Mal. I 6 (1962) 163.

Complete; Malesia (Bali); localities indicated; partial revision.

*Najas tenuifolia* R. Br. ssp. *pseudograminea* (W. KOCH) DE WILDE var. *pseudograminea*.—W. J. J. O. de Wilde, Fl. Mal. I 6 (1962) 168.

Complete; S. Malesia, Luzon, and ? Buru; localities indicated; partial revision.

#### NEPENTHACEAE

*Nepenthes* L.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 82.

Complete; Old World, also incl. Indo-Malesia, N. Australia, W. Pacific (W. Carolines, New Caledonia); delineated except in the Malagasan area, localities indicated in the Pacific only, species density; monograph.

#### NYCTAGINACEAE

*Pisonia grandis* R. Br.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 66.

Complete; Indian and Pacific Oceans, between Tropics of Capricorn and Cancer as far E as Henderson I. (not in Hawaii); localities indicated except in the Seychelles and Mascarenes; partial revision.

#### NYSSACEAE

*Nyssa* L.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 174.

Complete; New & Old World, also incl. W. Malesia, Eastern N. America; delineated, species density; partial revision.

*Nyssa javanica* (BL.) WANG.—R. H. Eyde, J. Arn Arb. 44 (1963) 15, map 4.

Complete; Indo-Malesia (not E of Borneo and Java); localities indicated; monograph.

#### OCHNACEAE

*Schuurmansi* BL.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 77.

Complete; Malesia (Borneo eastwards), Pacific (Solomons); delineated, localities indicated; monograph.

*Schuurmansi elegans* BL.—A. Kanis, Nova Guinea Bot. n. 6 (1961) 70.

Complete; Malesia (from Borneo eastwards, not E of W. New Guinea); delineated, localities indicated; monograph.

*Schuurmansi henningsii* K. SCH.—A. Kanis, Nova Guinea Bot. n. 6 (1961) 70.

Complete; Malesia (from the Moluccas E as far as the Solomons); delineated, localities indicated; monograph.

*Schuurmansi vidalii* (F.-VILL.) MERR.—A. Kanis, Nova Guinea Bot. n. 6 (1961) 70.

Complete; Philippines (Luzon); localities indicated; monograph.

#### ONAGRACEAE

*Fuchsia* L.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 81.

Complete; New & Old World, also incl. New Zealand, Pacific (Tahiti); delineated, localities indicated and shaded except in Brazil, species density; monograph.

#### PALMAE

*Palmae*.—K. N. Kaul, Bull. Nat. Bot. Gard. Lucknow n. 51 (1961) pl. II.

Complete; New & Old World (Polynesia excepted); delineated, species density, also fossil occurrence; occasional.

*Clinostigma* WENDL.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 80.

Complete; Pacific (Bonin, E. Carolines, New Hebrides, Fiji, Samoa); delineated, localities indicated, species density; monograph.

**Metroxylon ROTTB.**—J. Barrau, *Principes* 4 (1960) 48, f. 28.

Partial; Old World, also incl. Indo-Malesia, Pacific; delineated, species indicated; occasional.

**Nypa WURMB** (under *Nipa*).—R. N. Lakhpal, *The Palaeobotanist* 1 (1952) 292, f. 6.

Complete; Indo-Malesia (whole of Malesia), N. Australia; stippled, fossil localities indicated, species density; occasional.

**Pritchardia SEEM. & WENDL.**—M. M. J. van Balgooy, *Pac. Plant Areas* 2: *map 79*.

Complete; New & Old World, incl. Pacific (Hawaii, Fiji, Tonga, Society, Tuamotu Is), Caribbean; delineated, localities indicated, species density; monograph.

#### PANDANACEAE

**Sararanga philippinensis MERR.**—B. C. Stone, *Brittonia* 13 (1961) 224, f. 9; *Pac. Plant Areas* 2: *map 28*.

Complete; Philippines; localities indicated; monograph.

**Sararanga sinuosa HEMSL.**—B. C. Stone, *Brittonia* 13 (1961) 221, f. 7; *Pac. Plant Areas* 2: *map 29*.

Complete; E. Malesia (New Guinea); Pacific (Solomons); localities indicated; monograph.

#### PAPAVERACEAE

**Argemone L.**—M. M. J. van Balgooy, *Pac. Plant Areas* 2: *map 130*.

Partial; New World, also incl. Pacific (Hawaiian Is); delineated except in part of America, species density; monograph.

**Argemone glauca L. ex POPE.**—M. M. J. van Balgooy, *Pac. Plant Areas* 2: *map 130*.

Complete; Pacific (Hawaiian Is); delineated; monograph.

**Argemone mexicana L.**—M. M. J. van Balgooy, *Pac. Plant Areas* 2: *map 130*.

Complete; New World (N., Central & S. America); delineated except in part of S. America; monograph.

#### PHILYDRACEAE

**Philydraceae.**—U. Hamann, *Willdenowia* 2 (1961) 686, *map 1* (after Hutchinson and Suessenguth in Vester, and after Skottberg 1948).

Complete; Old World, SE. Asia (Malaya, New Guinea), Australia; delineated; occasional.

#### PHRYMACEAE

**Phryma L.**—C. G. G. J. van Steenis, *Blumea* 11 (1962) 242, *map 1*.

Complete; New & Old World, E. Asia, NE. America; delineated; occasional.

#### PITTOSPORACEAE

**Pittosporum BANKS ex GAERTN.**—G. Cufodontis, *Bol. Soc. Brot.* II 24 (1960) *map following p. 176*.

Complete; Old World, also incl. Indo-Malesia, Australia, Tasmania, New Zealand, Pacific; delineated, species density; partial revision.

The locality Christmas I. wrongly situated in the Pacific, rightly S of Java.

**M. M. J. van Balgooy, Pac. Plant Areas 2: *map 101*.**

Complete (except Africa and the Malagasy area); Old World, also incl. Indo-Malesia, Australia, Pacific (to Hawaii and Rapa); delineated, localities indicated and shaded; partial revision.

## PONTEDERIACEAE

**Pontederiaceae.**—A. Castellanos, Arq. Jard. Bot. Rio de Janeiro 16 (1958) tab. 2 after p. 216.

Complete; New & Old World, also incl. Indo-Malesia, NE. Australia; delineated; partial revision.

U. Hamann, Willdenowia 2 (1961) 686, map 1 (after Schwartz in Vester).

Complete; New & Old World, also incl. Indo-Malesia, ? Bismarck Arch., N. & E. Australia; delineated; occasional.

## PRIMULACEAE

**Lysimachia capillipes** HEMSL.—P. A. J. Bentvelzen, Fl. Mal. I 6 (1962) 180, f. 4.

Complete; Old World, incl. E. Asia, N. Malesia (Luzon); delineated, localities indicated; partial revision.

**Lysimachia decurrens** FORST. f.—P. A. J. Bentvelzen, Fl. Mal. I 6 (1962) 185.

Complete; Old World, incl. S. & E. Asia, Malesia (Luzon, Java, Timor), Pacific (New Hebrides, New Caledonia); delineated, localities indicated; partial revision.

M. M. J. van Balgooy & P. A. J. Bentvelzen, Pac. Plant Areas 2: map 85.

Complete; Old World, incl. SE. Asia to Japan, Malesia (Luzon, Java, Timor), Pacific (New Caledonia, Loyalties, New Hebrides); delineated, localities indicated; partial revision.

**Lysimachia japonica** THUNB. var. **japonica**.—P. A. J. Bentvelzen, Fl. Mal. I 6 (1962) 183.

Partial; Old World, incl. S. & E. Asia, Malesia (Sumatra, Java); delineated, localities indicated; partial revision.

**Lysimachia japonica** var. **papuana** S. MOORE.—P. A. J. Bentvelzen, Fl. Mal. I 6 (1962) 183.

Complete; Old World, incl. E. Asia, Malesia (Luzon, Celebes, New Guinea); delineated, localities indicated; partial revision.

**Lysimachia laxa** BAUDO.—P. A. J. Bentvelzen, Fl. Mal. I 6 (1962) 180, f. 5.

Complete; Old World, incl. S. Asia, Malesia (Sumatra to Lesser Sunda Is); delineated, localities indicated; partial revision.

**Lysimachia mauritiana** LAMK.—P. A. J. Bentvelzen, Fl. Mal. I 6 (1962) 184.

Partial; Old World, also incl. E. Asia, N. Malesia (Luzon), Pacific (W. and Hawaiian Is); localities indicated; partial revision.

M. M. J. van Balgooy & P. A. J. Bentvelzen, Pac. Plant Areas 2: map 84.

Complete; Old World, also incl. E. Asia and Bonin, N. Malesia (Luzon), Pacific (Marianas, Hawaii, New Caledonia, Loyalties); localities indicated except in the Mascarenes; partial revision.

**Lysimachia montana** (REINW.) BAKH. f.—P. A. J. Bentvelzen, Fl. Mal. I 6 (1962) 181.

Complete; Old World, incl. Indo-China, Malesia (Sumatra to Lesser Sunda Is); delineated, localities indicated; partial revision.

**Lysimachia peduncularis** WALL. ex KURZ.—P. A. J. Bentvelzen, Fl. Mal. I 6 (1962) 182.

Complete; Old World, incl. SE. Asia, Malesia (Langkawi Is); delineated, localities indicated; partial revision.

**Lysimachia sikokiana** MIQ.—P. A. J. Bentvelzen, Fl. Mal. I 6 (1962) 179.

Complete; Old World, incl. E. Asia, N. Malesia (Philippines); delineated, localities indicated; partial revision.

**Primula prolifera** WALL.—C. G. G. J. van Steenis, Endeavour 21 (1962) 187, f. 2.

Complete; SE. Asia, Malesia (Sumatra, Java); delineated, localities indicated; occasional.

P. A. J. Bentvelzen, Fl. Mal. I 6 (1962) 190.

Complete; Old World, incl. Himalaya, Malesia (Sumatra, Java); delineated, localities indicated; partial revision.

**Primula umbellata** (LOUR.) BENTV.—P. A. J. Bentvelzen, Fl. Mal. I 6 (1962) 192.

Complete; Old World, incl. Asia, Malesia (Luzon, New Guinea); delineated, localities indicated; partial revision.

#### PROTEACEAE

**Gevuina** MOL.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 149.

Complete; New & Old World, incl. New Guinea, NE. Australia, Chile, Argentina; delineated, localities indicated and shaded, species density; partial revision.

**Kermadecia** BRONGN. & GRIS.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 150.

Complete; Pacific (New Caledonia, New Hebrides, Fiji, Samoa); delineated, [localities indicated, species density; partial revision.

#### RAFFLESIACEAE

**Mitrastemon** MAKINO.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 63.

Complete; New & Old World, incl. E. Asia (Formosa, Ryu Kyu), Malesia (Sumatra, New Guinea), Mexico, Guatemala; delineated, localities indicated; partial revision.

#### RESTIONACEAE

**Restionaceae**.—U. Hamann, Willdenowia 2 (1961) 687, map 4 (after Hutchinson and Bakker).

Complete; New & Old World, incl. SE. Asia, New Guinea, Australia, New Zealand, S. America; delineated; occasional.

**Leptocarpus** R. Br.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 162.

Complete (except Africa); New & Old World, also incl. SE. Asia, Malesia (Malaya, Aru, New Guinea), Australia, Pacific (New Zealand, Chatham), Chile; delineated, localities indicated and shaded, species density; literature and herbarium material.

#### RHAMNACEAE

**Alphitonia** REISSEK ex ENDL.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 44.

Complete; Old World, Indo-Malesia (from Annam, Hainan and Natuna Is eastwards), N. & E. Australia, Pacific (not in W., S. & Central Pacific east to Hawaii and Marquesas); delineated, localities indicated and shaded, species density; monograph.

#### RHIZOPHORACEAE

**Bruguiera gymnorhiza** (L.) LAMK.—Ding Hou & C. G. G. J. van Steenis, Pac. Plant Areas 1: map 8.

Partial; Old World, also incl. Indo-Malesia, NE. Australia, Pacific (Micronesia, Melanesia E. to Samoa and Tonga); delineated, localities indicated; partial revision.

No indication about occurrence in Africa and the Malagasy area though mentioned in text.

**Bruguiera parviflora** (ROXB.) W. & A. ex GRIFF.—Ding Hou & C. G. G. J. van Steenis, Pac. Plant Areas 1: map 9.

Complete; Indo-Malesia, N. Australia, Pacific (Solomons); delineated, localities indicated; partial revision.

**Ceriops tagal** (PERR.) C. B. ROB.—Ding Hou & C. G. G. J. van Steenis, Pac. Plant Areas 1: *map 10*.

Complete; Indo-Malesia, N. Australia, Pacific (W. Carolines, Solomons, New Caledonia); delineated, localities indicated except in E. Africa, Madagascar and Seychelles; partial revision.

**Crossostylis** FORST.—Ding Hou & C. G. G. J. van Steenis, Pac. Plant Areas 1: *map 23*.

Complete; Pacific (Solomons to Marquesas); delineated, localities indicated; literature.

**Gynotroches** BL.—Ding Hou & C. G. G. J. van Steenis, Pac. Plant Areas 1: *map 20*.

Complete; Malesia (except Lesser Sunda Is), Pacific (Solomons, E. Carolines); delineated, localities indicated; practically monographic.

**Rhizophora apiculata** BL.—Ding Hou, *Blumea* 10 (1960) 626.

Complete; Indo-Malesia, Pacific (Micronesia, Melanesia); delineated; preliminary revision.

Ding Hou & C. G. G. J. van Steenis, Pac. Plant Areas 1: *map 3*.

Complete; Indo-Malesia, Pacific (Micronesia, Solomons, St. Cruz); delineated, localities indicated; partial revision.

**Rhizophora harrisonii** LEECHM.—Ding Hou & C. G. G. J. van Steenis, Pac. Plant Areas 1: *map 7*.

Partial; New World; localities indicated except in W. Africa; literature and herbarium material.

**Rhizophora lamarckii** MONTR.—Ding Hou, *Blumea* 6 (1960) 626.

Complete; Pacific (New Caledonia); delineated; preliminary revision.

Ding Hou & C. G. G. J. van Steenis, Pac. Plant Areas 1: *map 6*.

Complete; Pacific (New Caledonia); delineated; partial revision.

**Rhizophora mangle** L.—Ding Hou, *Blumea* 10 (1960) 626.

Partial; New & Old World, incl. Pacific (New Caledonia, Fiji, Tonga; Galapagos in the text only); delineated; preliminary revision.

Ding Hou & C. G. G. J. van Steenis, Pac. Plant Areas 1: *map 5*.

Complete; New & Old World, also incl. Pacific (Galapagos, New Caledonia, Fiji, Samoa and Tonga); localities indicated except in W. Africa; literature and herbarium material.

**Rhizophora mucronata** LAMK.—Ding Hou, *Blumea* 10 (1960) 626.

Partial; Indo-Malesia, NE. Australia, Pacific (as far as Tonga Is); delineated; preliminary revision.

Ding Hou & C. G. G. J. van Steenis, Pac. Plant Areas 1: *map 2*.

Complete; Old World, also incl. Indo-Malesia, NE. Australia, Pacific (Micronesia, Solomons, New Hebrides, New Caledonia, Fiji); delineated, localities indicated except in Africa; partial revision.

**Rhizophora stylosa** GRIFF.—Ding Hou, *Blumea* 10 (1960) 626.

Complete; Formosa, Malesia, NE. Australia, Pacific (Micronesia, Melanesia); delineated; preliminary revision.

Ding Hou & C. G. G. J. van Steenis, Pac. Plant Areas 1: *map 4*.

Complete; Formosa, Malesia, NE. Australia, Pacific (Micronesia, Solomons, St. Cruz, New Caledonia, Fiji); delineated, localities indicated; partial revision.

### ROSACEAE

**Osteomeles** LINDL. (incl. also *Hesperomeles* Lindl., indicated by different symbols).—  
M. M. J. van Balgooy, Pac. Plant Areas 2: *map 165*.

Complete; New & Old World, also incl. E. Asia, Pacific (Bonin, Hawaii, Tonga, Cook, Pitcairn); localities indicated, species density; literature and herbarium material.

### RUBIACEAE

**Bikkia** REINW.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 78*.

Complete; Malesia (Borneo eastwards), Pacific (as far as Niue I); delineated, localities indicated, species density; partial revision.

**Bikkia grandiflora** REINW.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 78*.

Complete; Malesia (E. Borneo, Philippines, Moluccas, W. New Guinea), Pacific (Palau, Solomons); localities indicated; partial revision.

**Bikkia tetrandra** (L. f.) RICH.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 78*.

Complete; E. Malesia (New Guinea), Pacific (Mariannas, Solomons and New Caledonia to Niue I); localities indicated; partial revision.

**Coprosma** FORST.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 41*.

Complete; Malesia (from Borneo and Java eastwards), also incl. SE. Australia, Tasmania, S. Pacific, Subantarctic Is, Hawaii, E to Juan Fernandez; delineated, localities indicated, species density; monograph.

**Nertera** BANKS & SOLAND. ex GAERTN.—C. G. G. J. van Steenis, Blumea 11 (1962) 260, *map 14*.

Complete; New & Old World, also incl. Indo-Malesia, SE. Australia, Tasmania, New Zealand, Pacific, Central & S. America, Madagascar omitted but mentioned in text; delineated, localities indicated; occasional.

M. M. J. van Balgooy, Pac. Plant Areas 2: *map 54*.

Complete; New & Old World, also incl. Indo-Malesia, SE. Australia, Tasmania, Pacific (New Zealand, Auckland and Campbell Is, Samoa, Tahiti, Hawaii, Juan Fernandez); localities indicated and shaded except in Atlantic and Indian Oceans; literature and herbarium collections.

### SANTALACEAE

**Dendromyza** DANS.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 151*.

Complete; Malesia (not in Lesser Sunda Is), Pacific (D'Entrecasteaux, Louisiades, Bismarcks, Solomons); delineated, localities indicated; preliminary revision.

**Exocarpus** LABILL.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 76*.

Complete; Old World, incl. Indo-Malesia, Australia, widely in the Pacific as far E as Rapa and Hawaii; delineated, localities indicated and shaded, species density; monograph.

**Santalum** L.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 75*.

Complete; Malesia, Australia, Pacific (incl. also Juan Fernandez); delineated, localities indicated, species density; preliminary revision.

**Santalum** sect. **Hawaiiensia** SKOTTSB.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 75*.

Complete; Pacific (Hawaii incl. Laysan I.); delineated, localities indicated, species density; partial revision.

**Santalum sect. Polynesica** SKOTTSB.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 75.*  
Complete; E. Pacific (Tubuai, Society, Marquesas, Henderson I., Juan Fernandez); delineated, localities indicated, species density; partial revision.

**Santalum sect. Santalum.**—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 75.*  
Complete; Malesia, Australia, Pacific (Bonin, New Caledonia to Tonga); delineated, localities indicated and shaded, species density; partial revision.

**Santalum sect. Solenantha** TUYAMA.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 75.*  
Complete; Pacific (Hawaii); delineated, localities indicated, species density; partial revision.

#### SAPINDACEAE

**Arytera** BL.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 108.*

Complete; Indo-Malesia, E. Australia, Pacific (Melanesia, not New Hebrides, E to Samoa; delineated, localities indicated in the Pacific; monograph.

**Pometia** J. R. & G. FORST.—M. Jacobs, Pac. Plant Areas 2: *map 50.*

Complete; Old World, Asia (Ceylon, Indo-China, Formosa), Malesia, Pacific (Melanesia, not New Caledonia); delineated, localities of 1 sp. indicated; monograph.

**Pometia pinnata** J. R. & G. FORST.—M. Jacobs, Pac. Plant Areas 2: *map 50.*

Complete; Old World, incl. Ceylon, Indo-China, Formosa, throughout Malesia, Pacific (Melanesia, not New Caledonia); delineated; monograph.

**Pometia ridleyi** KING em. RADLK.—M. Jacobs, Pac. Plant Areas 2: *map 50.*

Complete; W. Malesia (Sumatra, Malaya); localities indicated; monograph.

**Tristiropsis** RADLK.—M. M. J. van Balgooy & P. W. Leenhouts, Pac. Plant Areas 2: *map 109.*

Complete; Malesia (not Sumatra, Java and Malaya), Pacific (W. Micronesia, Solomons); localities indicated; monograph.

**Tristiropsis acutangula** RADLK.—M. M. J. van Balgooy & P. W. Leenhouts, Pac. Plant Areas 2: *map 109.*

Complete; Malesia (not in Sumatra, Java and Malaya), W. Pacific (Palau, Guam, Solomons); localities indicated; monograph.

**Tristiropsis ferruginea** LEENH.—M. M. J. van Balgooy & P. W. Leenhouts, Pac. Plant Areas 2: *map 109.*

Complete; Malesia (only Borneo); localities indicated; monograph.

#### SAPOTACEAE

**Chrysophyllum roxburghii** G. DON.—W. Vink, Pac. Plant Areas 2: *map 134.*

Complete; Indo-Malesia, Pacific (Solomons); delineated, localities indicated; partial revision.

**Nesoluma** BAILL.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 94.*

Complete; Pacific (Hawaii, SE. Polynesia); delineated, localities indicated; monograph.

**Nesoluma nadeaudii** (DRAKE) PIERRE.—M. M. J. Balgooy, Pac. Plant Areas 2: *map 94.*

Complete; Pacific (Society Is: Tahiti, Moorea); localities indicated; monograph.

**Nesoluma polynesianum** (HILLEBR.) BAILL.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 94.*

Complete; Pacific (Hawaiian Is, Tubuai Is); localities indicated; monograph.

**Nesoluma st.johnianum** LAM & MEEUSE.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 94.

Complete; Pacific (SE. Polynesia: Henderson I.); locality indicated; monograph.

**Palaquium BLANCO.**—P. van Royen, Blumea 10 (1960) 439.

Partial; Indo-Malesia, Pacific; delineated, species density; partial revision.

#### SCHISANDRACEAE

**Schisandra** MICHX.—C. G. G. J. van Steenis, Blumea 11 (1962) 242, map 2.

Complete; New & Old World, Indo-Malesia (incl. Sumatra, Malaya, Java), SE. United States; delineated; occasional.

#### SCROPHULARIACEAE

**Euphrasia** (TOURN.) L.—G. E. Du Rietz, Proc. R. Soc. B 152 (1960) 504 (map reprinted from Act. Phytogeogr. Suec. 13, 1940, 224, see Pacific Plant Areas vol. 1).

C. G. G. J. van Steenis, Blumea 11 (1962) 260, map 15.

Complete; New & Old World, also incl. Malesia (N to E), S. Australia, Tasmania, New Zealand, S. America; delineated; occasional.

M. M. J. van Balgooy, Pac. Plant Areas 2: map 53.

Complete; New & Old World, also incl. Malesia and Australia, S. Pacific (New Zealand, Juan Fernandez); delineated except in part of Eurasia, America and Africa, localities indicated and shaded; mainly after Du Rietz.

**Hebe** COMM. ex JUSS.—C. G. G. J. van Steenis, Blumea 11 (1962) 257, map 11.

Complete; New & Old World, Malesia (New Guinea), SE. Australia, Tasmania, S. Pacific, extreme S. America (incl. islands); delineated, localities indicated; occasional.

M. M. J. van Balgooy, Pac. Plant Areas 2: map 55.

Complete; New & Old World, also incl. Malesia (New Guinea), SE. Australia, Tasmania, S. Pacific (New Zealand, Subantarctic Is., Kermadec, and Rapa); delineated, localities indicated and shaded except in Falkland Is., species density; partial revision.

#### SIMAROUBACEAE

**Ailanthus integrifolia** ssp. *calycina* (PIERRE) NOOTEBOOM.—H. P. Nooteboom, Fl. Mal. I 6 (1962) 218.

Complete; SE. Asia, Central to E. Java; delineated, localities indicated; partial revision.

**Ailanthus integrifolia** LAMK ssp. *integrifolia*.—H. P. Nooteboom, Fl. Mal. I 6 (1962) 218.

Complete; Indo-Malesia (except Java, Lesser Sunda Is.), Pacific (Bismarcks, Solomons); delineated, localities indicated; partial revision.

**Ailanthus triphysa** (DENNST.) ALSTON.—H. P. Nooteboom, Fl. Mal. I 6 (1962) 219.

Complete; SE. Asia, Central Malesia, NE. Australia; delineated, localities indicated; partial revision.

**Brucea javanica** (L.) MERR.—H. P. Nooteboom, Fl. Mal. I 6 (1962) 211.

Complete; Old World, incl. Indo-Malesia, N. Australia, Pacific (? Bismarck Arch., and introduced in Ponape and Fiji); delineated, localities indicated; partial revision.

**Brucea mollis** WALL. ex KURZ.—H. P. Nooteboom, Fl. Mal. I 6 (1962) 212.

Complete; Old World, from E. Himalayas to the Philippines; delineated, localities indicated; partial revision.

- Eurycoma apiculata** BENN.—H. P. Nooteboom, Fl. Mal. I 6 (1962) 212.  
 Complete; W. Malesia (Sumatra to Malaya); delineated, localities indicated; partial revision.
- Eurycoma longifolia** var. *eglandulosa* (MERR.) NOOTEBOOM.—H. P. Nooteboom, Fl. Mal. I 6 (1962) 206.  
 Complete; Malesia (Philippines, Mindanao); localities indicated; partial revision.
- Eurycoma longifolia** JACK var. *longifolia*.—H. P. Nooteboom, Fl. Mal. I 6 (1962) 206.  
 Complete; Indo-Malesia (incl. Sumatra to Borneo); delineated, localities indicated; partial revision.
- Harrisonia brownii** A. JUSS.—H. P. Nooteboom, Fl. Mal. I 6 (1962) 208.  
 Complete; Old World, incl. Andamans, E. Malesia, N. Australia; delineated, localities indicated; partial revision.
- Harrisonia perforata** (BLANCO) MERR.—H. P. Nooteboom, Fl. Mal. I 6 (1962) 209.  
 Complete; Old World, incl. Indo-Malesia (Central Malesia); delineated, localities indicated; partial revision.
- Irvingia malayana** OLIV. ex BENN.—H. P. Nooteboom, Fl. Mal. I 6 (1962) 226.  
 Complete; Indo-Malesia (Sumatra to Borneo, and Bawean); delineated, localities indicated; partial revision.
- Picrasma** BL.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 68.  
 Complete; New & Old World, also incl. Indo-Malesia, Pacific (Solomons); delineated, localities indicated and shaded except in part of America; partial revision.
- Picrasma javanica** BL.—H. P. Nooteboom, Fl. Mal. I 6 (1962) 214.  
 Complete; Indo-Malesia, Pacific (Solomon Is); delineated, localities indicated; partial revision.
- M. M. J. van Balgooy, Pac. Plant Areas 2: map 68j.  
 Complete; SE. Asia, throughout Malesia to Pacific (Solomons); delineated, localities indicated; partial revision.
- Picrasma quassioides** (DON) BENN.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 68q.  
 Complete; Asia, from India to Japan; delineated, localities indicated; partial revision.
- Quassia indica** (GAERTN.) NOOTEBOOM.—H. P. Nooteboom, Fl. Mal. I 6 (1962) 201.  
 Partial; Old World, also incl. Indo-Malesia to the Pacific (Bismarcks, Solomons); delineated, localities indicated; partial revision.
- Soulamea** LAMK.—H. P. Nooteboom & C. G. G. J. van Steenis, Pac. Plant Areas 2: map 34.  
 Complete; Indian Ocean: Seychelles, Malesia (Borneo eastwards), Pacific (Micronesia E to Marshalls, Melanesia E to Fiji); delineated, localities indicated except in the Seychelles, species density; partial revision.
- Soulamea amara** LAMK.—H. P. Nooteboom, Fl. Mal. I 6 (1962) 223.  
 Complete; from Borneo eastwards to the Pacific (Micronesia, Melanesia); delineated, localities indicated; partial revision.
- Suriana maritima** L.—H. P. Nooteboom, Fl. Mal. I 6 (1962) 197.  
 Partial; Pacific, Indian Ocean; localities indicated; partial revision.
- H. P. Nooteboom & C. G. G. J. van Steenis, Pac. Plant Areas 2: map 35.  
 Complete; New & Old World, throughout Indian and Pacific Oceans, also incl. Indo-Malesia, N. Australia, Caribbean to Brazil; localities indicated except in E. Africa and the Malagasan area and in Brazil; species density; partial revision, literature and herbarium material.

### SOLANACEAE

**Lycium** L.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 131*.

Complete (except Africa, and part of Eurasia and America); New & Old World, also incl. S. Australia, scattered in Pacific (Bonin, Hawaii, Tonga, Rapa, Easter I. and Galapagos); delineated, localities indicated and shaded, species density; partial revision, literature and herbarium.

**Nicotiana** L.—C. G. G. J. van Steenis, Blumea 11 (1962) 254, *map 8*.

Complete; New & Old World, Australia, Pacific, Americas; delineated, shaded, localities indicated; occasional.

M. M. J. van Balgooy, Pac. Plant Areas 2: *map 42*.

Complete; New & Old World, also incl. Australia, Pacific (Lord Howe, New Caledonia, Loyalties, Tonga, Marquesas, Juan Fernandez, Galapagos?, and islands off Mexico); delineated, localities indicated and shaded, species density; monograph.

### SONNERATIACEAE

**Sonneratia** L. f.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 137*.

Complete (except Africa and Malagasy area); Old World, also incl. Indo-Malesia, N. Australia, Pacific (Micronesia, Melanesia W of Fiji); delineated, species density; partial revision.

### STACKHOUSIACEAE

**Stackhousia** J. E. SMITH.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 143*.

Complete; Malesia, Australia, New Zealand, Pacific (W. Carolines); delineated, localities indicated (not in New Zealand), species density; partial revision.

**Stackhousia intermedia** F. M. BAIL.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 143*.

Complete (but Australian localities not indicated); Malesia, Australia, Pacific (Carolines: Palau, Yap, D'Entrecasteaux and Louisiades); extra-Australian localities indicated; partial revision.

**Stackhousia minima** HOOK. f.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 143*.

Complete; Pacific (New Zealand); delineated; occasional.

### STYLDIACEAE

**Donatia** J. R. & G. FORST.—C. G. G. J. van Steenis, Blumea 11 (1962) 257, *map 10*.

Complete; New & Old World, Tasmania, New Zealand, extreme S. America and Tierra del Fuego; delineated; occasional.

M. M. J. van Balgooy, Pac. Plant Areas 2: *map 65*.

Complete; New & Old World, incl. Tasmania, New Zealand, Antarctic S. America; delineated, species density; occasional.

**Forstera** L. f.—R. Erickson, Triggerplants, *pl. 60A*. Paterson Broekensha Pty. Ltd. Perth (1958).

Complete; Tasmania, New Zealand; delineated; occasional, a semipopular account of the Australian *Styldiaceae*.

**Oreostylium** BERGGR.—R. Erickson, Triggerplants, *pl. 60A*. Paterson Broekensha Pty. Ltd. Perth (1958).

Complete; New Zealand (South I.); delineated; occasional.

**Phyllachne** FORST.—R. Erickson, Triggerplants, *pl. 60A*. Paterson Broekensha Pty. Ltd. Perth (1958).

Complete; New & Old World, Tasmania, New Zealand, Antarctic, S. America; delineated; occasional.

**Stylium** Sw.—R. Erickson, Triggerplants, *pl. 60A*. Paterson Broekensha Pty. Ltd. Perth (1958).

Complete; Old World, also incl. Indo-Malesia, Australia; delineated, localities of extra-Australian species ± indicated; occasional, semipopular account of the Australian *Styliaceae*.

(Australian and Tasmanian spp.).—R. Erickson, Triggerplants, *pl. 60 maps B-G, pl. 61 maps A-N, f. 62*. Paterson Broekensha Pty. Ltd. Perth (1958).

Partial; localities indicated; occasional, semipopular account of the Australian *Styliaceae*.

#### STYRACACEAE

**Styrax agrestis** (LOUR.) G. DON.—C. G. G. J. van Steenis, Pac. Plant Areas 1: *map 21*.

Complete; Indo-China, Hainan, E. Malesia (also Borneo), Pacific (W. Carolines: Palau, Solomons); delineated, localities indicated; partial revision.

#### THYMELAEACEAE

**Enkleia** GRIFF. (3 spp.).—L. I. Nevling Jr., J. Arn. Arb. 42 (1961) 383.

Complete; SE. Asia, Malesia (Luzon, W. New Guinea); localities indicated; monograph.

**Enkleia paniculata** (MERR.) HALL. f.—L. I. Nevling Jr., J. Arn. Arb. 42 (1961) 383.

Complete; Malesia (Luzon, W. New Guinea); localities indicated; monograph.

**Gonostylus** TEYSM. & BINN.—C. G. G. J. van Steenis, Pac. Plant Areas 1: *map 19*.

Complete; Malesia, Pacific (Solomons, Fiji); delineated, species density; practically a monograph.

**Linostoma decandrum** (ROXB.) WALL. ex ENDL.—L. I. Nevling Jr., J. Arn. Arb. 42 (1961) 308, *map 1*.

Complete; SE. Asia; localities indicated; monograph.

**Linostoma pauciflorum** GRIFF.—L. I. Nevling Jr., J. Arn. Arb. 42 (1961) 308, *map 1*.

Complete; Thailand, Malaya, Singapore I., W. & N. Borneo; localities indicated; monograph.

**Linostoma persimile** CRAIB.—L. I. Nevling Jr., J. Arn. Arb. 42 (1961) 308, *map 1*.

Complete; SE. Asia; localities indicated; monograph.

**Phaleria** JACK.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 148*.

Complete; SE. Asia, Malesia, N. & E. Australia, Pacific (Palau, Melanesia E to Samoa, not New Caledonia); delineated, localities indicated, species density; partial revision.

#### TILIACEAE

**Triumfetta grandidens** HANCE.—C. G. G. J. van Steenis, Pac. Plant Areas 1: *map 13*.

Complete; Indo-China, Hainan, Malaya, Banka; localities indicated; literature and herbarium material.

**Triumfetta procumbens** FORST. f.—C. G. G. J. van Steenis, Pac. Plant Areas 1: *map 11*.

Complete; Indian Ocean, E. Malesia, Australia, throughout most of the Pacific, as far as the Tuamotus; localities indicated except in the Seychelles; literature and herbarium material.

**Triumfetta repens** (BL.) MERR. & ROLFE.—C. G. G. J. van Steenis, Pac. Plant Areas 1: *map 12*.

Complete; Malesia (incl. Cocos-Keeling), NE. Australia; localities indicated except in the Seychelles; literature and herbarium material.

## UMBELLIFERAE

**Anisotome acutifolia** (KIRK) COCK.—J. W. Dawson, Un. Cal. Publ. Bot. 33 (1961) 37, f. 10.

Complete; New Zealand; locality indicated; monograph.

**Anisotome antipoda** HOOK. f.—J. W. Dawson, Un. Cal. Publ. Bot. 33 (1961) 41, f. 12.

Complete; Pacific (Subantarctic Is); localities indicated; monograph.

**Anisotome aromatica** HOOK. f.—J. W. Dawson, Un. Cal. Publ. Bot. 33 (1961) 28, f. 7.

Complete; New Zealand; localities indicated; monograph.

**Anisotome brevistylis** (HOOK. f.) POPPELWELL.—J. W. Dawson, Un. Cal. Publ. Bot. 33 (1961) 48, f. 15.

Complete; New Zealand; localities indicated; monograph.

**Anisotome capillifolia** (CHEESEM.) COCK.—J. W. Dawson, Un. Cal. Publ. Bot. 33 (1961) 45, f. 14.

Complete; New Zealand; localities indicated; monograph.

**Anisotome cauticola** DAWSON.—J. W. Dawson, Un. Cal. Publ. Bot. 33 (1961) 50, f. 16.

Complete; New Zealand; localities indicated; monograph.

**Anisotome flexuosa** DAWSON.—J. W. Dawson, Un. Cal. Publ. Bot. 33 (1961) 52, f. 17.

Complete; New Zealand; localities indicated; monograph.

**Anisotome haastii** (F. M. ex HOOK. f.) COCK. & LAING.—J. W. Dawson, Un. Cal. Publ. Bot. 33 (1961) 43, f. 13.

Complete; New Zealand; localities indicated; monograph.

**Anisotome imbricata** (HOOK. f.) COCK.—J. W. Dawson, Un. Cal. Publ. Bot. 33 (1961) 57, f. 19.

Complete; New Zealand; localities indicated; monograph.

**Anisotome lanuginosa** (KIRK) DAWSON.—J. W. Dawson, Un. Cal. Publ. Bot. 33 (1961) 55, f. 18.

Complete; New Zealand; localities indicated; monograph.

**Anisotome latifolia** HOOK. f.—J. W. Dawson, Un. Cal. Publ. Bot. 33 (1961) 39, f. 11.

Complete; Pacific (Subantarctic Is); localities indicated; monograph.

**Anisotome lyallii** HOOK. f.—J. W. Dawson, Un. Cal. Publ. Bot. 33 (1961) 34, f. 9.

Complete; New Zealand; localities indicated; monograph.

**Anisotome pilifera** (HOOK. f.) COCK. & LAING.—J. W. Dawson, Un. Cal. Publ. Bot. 33 (1961) 32, f. 8.

Complete; New Zealand; localities indicated; monograph.

**Azorella selago** HOOK. f.—A. L. Cabrera, Rev. Mus. de la Ciudad Eva Peron n. s. 8 Secc. Bot. (1953) 156.

Complete; Pacific (Subantarctic Is, also incl. Macquarie I.); localities indicated; occasional (after Du Rietz).

**Oreomyrrhis** ENDL.—C. G. G. J. van Steenis, Blumea 11 (1962) 257, map 12.

Complete; New & Old World, Formosa, Malesia (Borneo, New Guinea), SE. Australia, Tasmania, New Zealand, Central & S. America; delineated, shaded, localities indicated; occasional.

C. G. G. J. van Steenis, Pac. Plant Areas 1: map 26.

Complete; New & Old World, also incl. Indo-Malesia (Formosa, Borneo, New Guinea), SE. Australia, Tasmania, New Zealand; delineated, areas shaded; monograph.

**Sanicula** Tourn. ex L.—C. G. G. J. van Steenis, Pac. Plant Areas 1: map 25.

Nearly complete; New & Old World, also incl. Indo-Malesia (not New Guinea), Pacific (Hawaiian Is); delineated, localities indicated and shaded, Europe and Africa not indicated; monograph.

### URTICACEAE

**Elatostema** J. R. & G. FORST.—M. M. J. van Balgooy, Pac. Plant Areas 2: map 100.

Complete (except Africa and the Malagasan area); Old World, also incl. Indo-Malesia, E. Australia, Pacific (not in Hawaii and Central Pacific); delineated, localities indicated only in the Pacific, species density; monograph.

**Neraudia angulata** COWAN var. *angulata* and var. *dentata* DEGENER & COWAN.—R. S. Cowan, Pac. Sc. 3 (1949) 258.

Complete; Pacific (Hawaiian Is, Oahu); localities indicated; monograph.

**Neraudia kauaiensis** (HBD.) COWAN var. *kauaiensis*.—R. S. Cowan, Pac. Sc. 3 (1949) 251, f. 7.

Complete; Pacific (Hawaiian Is, Kauai); localities indicated; monograph.

**Neraudia melastomaefolia** GAUD. var. *melastomaefolia*.—R. S. Cowan, Pac. Sc. 3 (1949) 247.

Complete; Pacific (Hawaiian Is, Oahu); localities indicated; monograph.

**Neraudia melastomaefolia** var. *pallida* COWAN.—R. S. Cowan, Pac. Sc. 3 (1949) 267, f. 20.

Complete; Pacific (Hawaiian Is, Maui); localities indicated; monograph.

**Neraudia melastomaefolia** var. *parvifolia* COWAN.—R. S. Cowan, Pac. Sc. 3 (1949) 249.

Complete; Pacific (Hawaiian Is, Oahu); localities indicated; monograph.

**Neraudia melastomaefolia** var. *pubescens* COWAN.—R. S. Cowan, Pac. Sc. 3 (1949) 251.

Complete; Pacific (Hawaiian Is, Kauai); localities indicated; monograph.

**Neraudia melastomaefolia** var. *uncinata* COWAN.—R. S. Cowan, Pac. Sc. 3 (1949) 249.

Complete; Pacific (Hawaiian Is, Oahu); localities indicated; monograph.

**Neraudia ovata** GAUD.—R. S. Cowan, Pac. Sc. 3 (1949) 264.

Complete; Pacific (Hawaii); localities indicated; monograph.

**Neraudia sericea** GAUD.—R. S. Cowan, Pac. Sc. 3 (1949) 267, f. 20, 21.

Complete; Pacific (Hawaiian Is); localities indicated; monograph.

**Poikilospermum ZIPP. ex MIQ.**—Chew Wee-Lek, Gard. Bull. Sing. 20 (1963) 32.

Complete; Old World, Indo-Malesia (SE. Asia to New Guinea and Bismarcks, not in the Lesser Sunda Is); delineated; monograph.

**Poikilospermum acuminatum (TRÉC.) MERR.**—Chew Wee-Lek, Gard. Bull. Sing. 20 (1963) 35.

Complete; Philippines; delineated; monograph.

**Poikilospermum amboinense ZIPP. ex MIQ.**—Chew Wee-Lek, Gard. Bull. Sing. 20 (1963) 35.

Complete; E. Malesia (Moluccas to Bismarcks); delineated; monograph.

**Poikilospermum azureum (T. & B.) MERR.**—Chew Wee-Lek, Gard. Bull. Sing. 20 (1963) 39.

Complete; Malesia (Sumatra); delineated; monograph.

**Poikilospermum cordifolium (BARG.-PETR.) MERR.**—Chew Wee-Lek, Gard. Bull. Sing. 20 (1963) 42.

Complete; Malesia (Sumatra, Malaya, Borneo); delineated; monograph.

**Poikilospermum erectum (BLANCO) MERR.**—Chew Wee-Lek, Gard. Bull. Sing. 20 (1963) 41.

Complete; Philippines; delineated; monograph.

**Poikilospermum inaequale CHEW.**—Chew Wee-Lek, Gard. Bull. Sing. 20 (1963) 35.

Complete; Malesia (New Guinea, Bismarcks); delineated; monograph.

**Poikilospermum microstachys (BARG.-PETR.) MERR.**—Chew Wee-Lek, Gard. Bull. Sing. 20 (1963) 42.

Complete; W. Malesia (Sumatra, Malaya, Borneo); delineated; monograph.

**Poikilospermum nobile (RIDL.) MERR.**—Chew Wee-Lek, Gard. Bull. Sing. 20 (1963) 35.

Complete; Malesia (New Guinea); delineated; monograph.

**Poikilospermum oblongifolium (BARG.-PETR.) MERR.**—Chew Wee-Lek, Gard. Bull. Sing. 20 (1963) 41.

Complete; Malesia (Borneo, S. Philippines); delineated; monograph.

**Poikilospermum paxianum (WINKL.) MERR.**—Chew Wee-Lek, Gard. Bull. Sing. 20 (1963) 35.

Complete; Malesia (New Guinea); delineated; monograph.

**Poikilospermum peltatum (HUB. WINKL.) MERR.**—Chew Wee-Lek, Gard. Bull. Sing. 20 (1963) 40.

Complete; Malesia (E. Borneo); delineated; monograph.

**Poikilospermum scabrinervium (BARG.-PETR.) MERR.**—Chew Wee-Lek, Gard. Bull. Sing. 20 (1963) 40.

Complete; Malesia (Borneo); delineated; monograph.

**Poikilospermum scortechinii (KING ex HOOK. f.) MERR.**—Chew Wee-Lek, Gard. Bull. Sing. 20 (1963) 42.

Complete; Malesia (Sumatra, Malaya, Borneo); delineated; monograph.

**Poikilospermum singalense** (BARG.-PETR.) MERR.—Chew Wee-Lek, Gard. Bull. Sing. 20 (1963) 39.

Complete; W. Malesia (Centr. Sumatra); delineated; monograph.

**Poikilospermum suaveolens** (BL.) MERR.—Chew Wee-Lek, Gard. Bull. Sing. 20 (1963) 37.

Complete; Indo-Malesia (not E of Java and the Moluccas), Indo-China, Thailand; delineated; monograph.

**Poikilospermum subtrinervium** (MIQ.) CHEW.—Chew Wee-Lek, Gard. Bull. Sing. 20 (1963) 39.

Complete; W. Malesia (S. Sumatra); delineated; monograph.

**Poikilospermum tangaum** CHEW.—Chew Wee-Lek, Gard. Bull. Sing. 20 (1963) 40.

Complete; Malesia (N. Borneo); delineated; monograph.

#### VALERIANACEAE

**Valerianaceae**.—A. Castellanos, Gen. et sp. pl. Arg. 2 (1944) *pl. clix, map 1*.

Complete; New & Old World, also incl. Java; delineated; partial revision.

**Valeriana magellanica** HOMBR. ex JACQUINOT ex DECNE.—A. Castellanos, Gen. et sp. pl. Arg. 2 (1944) *pl. clix, map 9*.

Partial; S. America (incl. islands off the W. coast); delineated; partial revision.

**Valeriana polemoniifolia** PHIL.—A. Castellanos, Gen. et sp. pl. Arg. 2 (1944) *pl. clix, map 8*.

Partial; S. America (incl. some islands off the W. coast); delineated; partial revision.

#### VIOLACEAE

**Hymenanthera** R. BR.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 104*.

Complete; SE. Australia, Tasmania, New Zealand, Lord Howe, Norfolk, Chatham; delineated localities indicated and shaded; occasional.

**Isodendrion** A. GRAY.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 105*.

Complete; Pacific (Hawaiian Is); delineated, localities indicated; monograph.

**Melicytus** FORST.—M. M. J. van Balgooy, Pac. Plant Areas 2: *map 103*.

Complete; New Zealand, Norfolk, Kermadec, Pacific (Fiji, Tonga, Samoa); delineated, localities indicated and shaded; occasional.

**Viola arcuata** BL.—D. M. Moore, Nova Guinea, Bot. n. 11 (1963) 186, *f. 3*.

Partial; Malesia (New Guinea); localities indicated; partial revision.

**Viola betonicifolia** SM. in REES ssp. **novaguineensis** D. M. MOORE.—D. M. Moore, Nova Guinea, Bot. n. 11 (1963) 186, *f. 3*.

Partial; Malesia (New Guinea); localities indicated; partial revision.

**Viola diffusa** GING. in DC. ssp. **tenuis** (BTH.) BECKER.—D. M. Moore, Nova Guinea, Bot. n. 11 (1963) 186, *f. 3*.

Partial; Malesia (New Guinea); localities indicated; partial revision.

**Viola hederacea** LABILL.—D. M. Moore, Blumea 11 (1962) 536.

Complete; Malaya, E. Australia, Tasmania; delineated; occasional.

**Viola lagaipensis** D. M. MOORE.—D. M. Moore, Nova Guinea, Bot. n. 11 (1963) 186, f. 3.

Complete; Malesia (New Guinea); localities indicated; partial revision.

**Viola papuana** BECKER & PULLE.—D. M. Moore, Nova Guinea, Bot. n. 11 (1963) 186, f. 3.

Complete; Malesia (New Guinea); localities indicated; partial revision.

#### XYRIDACEAE

**Xyridaceae.**—A. Castellanos, Gen. et sp. pl. Arg. 3 (1945) pl. xiii, map 1.

Complete; New & Old World, incl. Indo-Malesia, Malesia (Malaya, Java, Philippines), Australia, S. America; delineated; partial revision.

U. Hamann, Willdenowia 2 (1961) 687, map 3 (after Fernald in Vester, Castellanos, and van Royen 1953).

Complete; New & Old World, also incl. Indo-Malesia, Australia, Tasmania, Pacific (New Caledonia); delineated; occasional.

#### ZYGOPHYLLACEAE

**Tribulus terrestris** L.—A. Castellanos, Gen. et sp. pl. Arg. 1 (1943) pl. xvi, map 1.

Partial; S. America; delineated; partial revision.