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To F. Tracy Hubbard.
With all good wishes
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A BIBLIOGRAPHIC ENUMERATION OF BORNEAN PLANTS

By E. D. MERRILL.

Botanist, Bureau of Science, and Professor of Botany,
University of the Philippines, Manila, P.I.

Borneo is situated on a submarine plateau of no great depth, and manifestly is geologically allied to the Malay Peninsula, Sumatra, and Java, and in past geologic times undoubtedly formed a continuous land mass with these three areas and probably with other islands of Malaya, at some time perhaps including the Philippines, the Moluccas, and New Guinea. It is one of the larger islands of the World, the equator crossing it at about the middle. Its greatest length is about 830 miles, from the north-east to the south-west, and its maximum breadth is about 600 miles. In area it approximates 290,000 square miles, roughly about five times the area of England and Wales combined. Its general character is mountainous, the various ranges dividing it into more or less well defined areas, the mountains as to altitude culminating in Mount Kinabalu at the north-eastern end of the Island, which attains an altitude of 13,455 feet. Mount Kinabalu is exceeded in height in the whole Malayan region only by certain peaks in New Guinea, the highest of which is Mount Wilhelmina, 15,580 feet, the top of which is covered with perpetual snow. Numerous other mountains in Borneo attain altitudes of from 4,000 to 10,000 feet.

In all essential characters the Bornean flora, manifestly a very rich one, is of the same general type as that of the surrounding regions; Indo-China to the north; the Malay Peninsula to the north-west; Sumatra to the west; Java to the south; Celebes and the Moluccas to the east; and the Philippines to the north-east. In general the same families and genera are dominant over the entire region, yet each individual area presents a certain number of endemic genera, and apparently without exception a relatively high percentage of endemic species. In some parts of this vast area certain families of plants are much more highly developed in individual species than in other parts, but generally speaking the large families are the same in each part of the whole Indo-Malayan region. Certain characters of the Bornean flora and its phytogeographic elements are discussed below.

The present enumeration of Bornean plants is based on literature references and such botanical material as has been available to me chiefly those collections that have been accumulated by exchange or collection in the past eight years. While it is hoped that it is fairly complete as to those species that have actually been credited to Borneo in botanical literature in the past eighty years, the claim is not made that it is absolutely complete. The literature of systematic botany of the Indo-Malayan region is now so vast, and is so widely scattered that it is scarcely to be hoped that I have detected all of the Bornean references even in the literature at my command and certain publications, chiefly older periodicals, that I should liked to have examined, have not been available to me during the time that this list has been in preparation.

In the preparation of a preliminary paper on the bibliography of Bornean botany* I found references to Bornean plants in 479 different publications, and additions to the bibliographic list in the nature of articles and books overlooked in the preparation of the above publication, and in articles printed since it was issued brings the number of titles up to about 556. It is very probable that some recently published articles dealing with the Bornean flora have been overlooked, especially in view of the fact that on account of conditions brought about by the present war, receipts of periodical literature from some European countries have been very intermittent and from some countries has entirely ceased. Below is given a list of additions to my previously published bibliographic list.

Add to the corresponding numbers in my original list:

1. LXXV *l.c.* (1915) 113-118.
4. 7 *l.c.* 20 (1915) 1-29, *t.* 1-4; 8 *l.c.* 23 (1916) 1-27, *t.* 1-4.
- 197a. IV Selaginellarum species novae in insula Borneo indigenae *l.c.* 51 (1912) 241-272.
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* Merrill, E. D. A Contribution to the Bibliography of the Botany of Borneo. *Sarawak Museum Journal* 2 (1915) 99-136.

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Practically nothing has been published on most groups of cellular cryptogams so far as the Bornean flora is concerned; this including the algae, fungi, lichens, mosses, and hepatics. No comprehensive collections in any of these groups seem to have been made, or if made, but few have been studied and reported on. Borneo will certainly present several hundred species in each of the following groups;—algae, mosses, hepatics, and lichens; and several thousand different kinds of fungi, if we can base our judgment on the representatives of these groups that are known to occur in Java to the south and the Philippines to the north-east where a fair amount of work has been accomplished on all of these groups of thallophytes.

Borneo is exceedingly rich in vascular cryptogams or pteridophytes, but the ferns having been made the subject of a recent special study by Doctor E. B. Copeland, it has not been considered worth while to work up the bibliographic list of the *Pteridophyta* at this time. In the nine families of ferns, including *Ophioglossaceae*, *Marattiaceae*, *Osmundaceae*, *Schizaeaceae*, *Gleicheniaceae*, *Hymenophyllaceae*, *Polypodiaceae*, *Parkeriaceae*, and *Marsileaceae*, Doctor Copeland* recognizes as Bornean eighty-eight genera and six hundred and ninety-seven species, making the estimate that the list of known species represents about 60 per cent. of those that may with reasonable certainty be expected to occur in Borneo.

The remaining groups of the pteridophyta have recently been treated for the entire Indo-Malayan region by Captain C. R. W. K. van Alderwerelt van Rosenburgh†, including the *Marsileaceae*, *Salviniaceae*, *Equisetaceae*, *Psilotaceae*, *Lycopodiaceae*, and the *Selaginellaceae*, their Bornean representatives being few except in the genera *Selaginella* and *Lycopodium*.

The present bibliographic list of Bornean plants includes only the spermatophytes or flowering plants (phanerogams) the group that is in general included in the published floras and list of plants of most other countries in the tropics of the Old World. In arrangement of the families and genera I have rather closely followed the Engler and Prant. system as developed in their *Natürlichen Pflanzenfamilien*. In nomenclature I have in general followed the International Code of Botanical Nomenclature as adopted by the Vienna Botanical Congress and modified by the last International Botanical Congress held in Brussels. I have recognized the generic list

* Copeland, E. B. Keys to the Ferns of Borneo. *Sarawak Museum Journal* 2 (1917) 288-424.

† Van Alderwerelt van Rosenburgh, C. R. W. K. *Malayan Fern Allies*. Handbook to the determination of the fern allies of the Malayan Islands, including those of the Malay Peninsula, the Philippines, and New Guinea (1915) XVI + 1-263.

of *nomina conservanda* as adopted by these two congresses. Such changes in nomenclature as have been proposed in the following list are in accordance with the rules of the International Code. While certain necessary new combinations have been made, and certain new names have been proposed, this bibliographic enumeration has not been made a vehicle for the publication of new species, but includes only those that have elsewhere been described.

While the genera are arranged according to the sequence in de Dalla Torre and Harms's *Genera Siphonogamarum*, the species under each genus have been arranged alphabetically under their accepted names. No attempt has been made to compile a complete list of synonyms, even of those names based on Indo-Malayan specimens and references, but all synonyms that I have detected that are based on Bornean specimens have been included. Otherwise only sufficient synonymy has usually been added to explain the accepted name. In general the original place of publication has been indicated for each species.

Considerable attention has been given to form and uniformity in bibliographic citation, but it has not always been possible for me to cite volume numbers and dates of publication for certain periodicals, as in numerous cases these are not indicated in the literature available to me, and can only be determined by actual examination of the original publications. In such periodicals as the *Gardener's Chronicle* and *Curtis's Botanical Magazine* there is great lack of uniformity in their citation, in botanical literature, and the older volumes of these two series are not available in Manila.

In the preparation of this list, as I have not had an opportunity to examine more than a very small percentage of the specimens on which the actual Bornean records were originally based, I have, of necessity, been obliged to accept the reported identifications as correct in most cases. It is very certain, however, that were it possible to assemble most of the extant Bornean botanical material in one place, and make a direct comparison of the actual types, a certain number of reductions would have to be made; again a critical comparison of Bornean types with material from the Malay Peninsula, Sumatra, Java, the Philippines, and other islands in the Malayan region will probably show that an appreciable percentage of Bornean species that are now indicated as endemic, are really the same as those occurring in other regions. It will doubtless be found to be true that where species have been credited to Borneo in general works without the citation of specimens, that the identifications of the Bornean specimen as representing a certain extra-Bornean species will on re-examination prove to be approximate rather than exact.

An examination of the botanical literature covering the Malay Peninsula, Java, and the Philippines reveals the fact that several hundred species are definitely known to occur in these three regions, which have not as yet been reported from Borneo, and do not occur in the Bornean collections available to me for study. It is highly probable that all or most of these will eventually be found in Borneo, as they are largely the characteristic weeds and weed-like plants as well as cultivated and semi-cultivated species that have for the most part been disseminated purposely or inadvertently by man; doubtless many of them are represented in Bornean collections already made, but not having been definitely credited to Borneo in botanical literature they are not included in the present list. I do not consider the statement as to geographic distribution "India to Malaya" or "Malaya" sufficiently definite to warrant including a species as Bornean in the absence of other data, although unquestionably most species thus indicated probably occur in Borneo.

As already noted by me*, no references to Borneo have been found in pre-Linnean botanical literature except a few in Rumphius's *Herbarium Amboinense* (1741-1755) but written between the years 1655-1701, and none have been detected in the post-Linnean literature before the year 1839, except a single doubtful reference to Borneo in Volume five of de Candolle's *Prodromus* (1836) sub *Pluchea indica* Less. The reason for the lack of references to Borneo in early botanical literature is that no collections were made in Borneo prior to Korthals's pioneer work in about the year 1836. Since that time, however, very extensive botanical collections have been made in various parts of Borneo, but apparently no single large collection has been thoroughly worked up. Among the numerous collectors may be mentioned Korthals, Beccari, Low, Motley, Barber, Lobb, Burbidge, Teysmann, Ridley, Creagh, Fraser, Haviland, Hose, Grabowski, Brooks, Shelford, Hewitt, Moulton, Hallier, Nieuwenhuis, Jaheri, Amdjah, Schlechter, Winkler, Brooks, Foxworthy, Mrs. Clemens, Miss Gibbs, Topping, Yates, Villamil, and Agama. To Dr. O. Beccari's pioneer work in Sarawak, more than to any other single individual, we are indebted for our present knowledge of the Bornean flora, his collections probably exceeding in extent and value those of any other single collector who has worked in Borneo.

As indicated above extensive botanical collections, notably those of Haviland, Hallier, Jaheri, certain groups in Beccari's large collection, and others have been only partly worked up, so that the present enumeration of Bornean plants is decidedly incomplete in reference to collections already made. The

* *Sarawak Museum Journal* 2 (1915) 102.

material available to me for study has been the large collections made by native collectors working in Sarawak for the Bureau of Science under the direction of Major J. C. Moulton, formerly director of the Sarawak Museum; extensive collections made by Mrs. Clemens and Mr. Topping on Mount Kinabalu in 1915, with a small collection from the same locality made in 1916 by Mr. Haslam; material collected by Dr. Foxworthy in Sarawak and British North Borneo; a small collection made in British North Borneo by Dr. H. S. Yates; a series of about 500 numbers prepared chiefly by Messrs. Villamil and Agama under the direction of Mr. D. M. Matthews, Conservator of Forests, British North Borneo; and a small collection made by myself in Labuan in 1902. Bornean material received in exchange from various sources includes a nearly complete set of Charles Hose's Sarawak collection, some of Korthals's specimens, some material from Dr. Beccari, notably a fairly complete set of his Bornean *Dipterocarpaceae*, sundry specimens from the collections of Ridley, Teysmann, Hewitt, Haviland, Hallier, Nieuwenhuis and Jaheri, and a very few from Grabowski's collection. I had seen no material collected by Low, Burbidge, Barber, Miss Gibbs, Motley, and others mentioned above, when this list was in preparation.

When the rich Bornean collections now available in such herbaria as those of Kew, Leiden, and Buitenzorg shall have been thoroughly worked up, the list of Bornean species will have been very greatly increased. At the present time no single family, with the exception of some composed of few small genera are thoroughly known so far as their Bornean representatives are concerned, and the study of material now available in the large herbaria mentioned above will doubtless yield hundreds of species new to the Bornean flora, either in the form of undescribed forms, or those already described from extra-Bornean material, especially from the Malay Peninsula, Sumatra, Java, Celebes, and the Philippines. Current and future collections made in any part of Borneo, except perhaps in the cultivated areas, coastal regions, and the immediate vicinity of settlements must of necessity yield a high percentage of species as yet entirely unknown, or at least not definitely known from Borneo.

In the preparation of this list by no means all the material available to me has been identified for the chief reason that I have not had sufficient time available to devote to its study, supplemented by the facts that some descriptions of Bornean species are at present inaccessible to me, and others are so imperfect and incomplete that properly to understand the status and relationships of various proposed species in certain families, the actual types must or should be examined. As a matter of

fact I have had for examination named representatives of but one-third of the species admitted as Bornean.

Species that are credited to Borneo solely on the authority of specimens collected by Lobb and which are known from Java, the Malay Peninsula, or Luzon should be viewed with suspicion so far as the Bornean reference is concerned. It is a well known fact that many of the labels on Lobb's specimens are erroneous as to the locality cited.* If the list of species known only from Borneo and Sumatra be examined it will be noted that a high percentage of them are credited to both areas only on the basis of specimens collected by Korthals. He collected in both Borneo and Sumatra, and doubtless did secure the same species in both Islands in some cases. It is strongly suspected that some of the Bornean records based on Korthals's material are really due to erroneously labelled specimens.

The flora of Borneo, like that of most other parts of Malaya, is very imperfectly known. I have already noted elsewhere that Doctor Copeland estimates the 700 species of ferns known to occur in Borneo to represent about 60 per cent. of the actual fern flora. In the present list 4,924 species of flowering plants are credited to Borneo, yet judging from the 5,000 species of spermatophytes from the much smaller island of Java, and the great number known from the Malay Peninsula and the Philippines not more than 50 or 60 per cent. of the actual Bornean flora is now known.

Borneo, an equatorial island situated wholly within the rainy tropics and one of the largest islands in the World, presents a high humidity, and hence ideal conditions for the development of a most luxuriant type of vegetation, and for the development of a rich epiphytic flora. There is also a great range in altitude, the highest peak, Mount Kinabalu attaining a height of 13,455 feet. The island is essentially mountainous, and it is only reasonable to expect that in various parts of its vast area local endemism is pronounced. Vast areas are occupied by primeval forests, and most of these regions have never been visited by a botanist or a botanical collector. Probably no single area in Borneo of any appreciated size can be considered as thoroughly explored botanically, and collections made in these regions where the most field work has been accomplished invariably present numerous novelties. With about 5,625 species of pteridophytes and spermatophytes reported from Borneo to-day; with no part of this large island intensively exploited from a botanical standpoint; with the known richness of the vegetation of the Malay Peninsula to the north-west, Java to the south, and the Philippines to the

* Merrill, E. D. *Philip. Journ. Sci.* 10 (1915) Bot. 184.

north-east, it would seem that an estimate of 10,000 species for Borneo, for these two groups, would be a conservative one.

The following comparative statement regarding the approximate number of genera and species in the four families, *Gramineae*, *Piperaceae*, *Leguminosae*, *Myrtaceae*, for Borneo, the Malay Peninsula, Java, and the Philippines, indicates that a radical increase in the total number of Bornean species in each may reasonably be expected, and what is true of these families is at least approximately true of all large families of the Bornean flora.

	GENERA.				SPECIES.			
	Borneo.	Malay Penin- sula.	Java.	Philip- pines.	Borneo.	Malay Penin- sula.	Java.	Philip- pines.
Gramineae	54	54	79	75	131	143	234	250
Piperaceae	3	2	3	3	36	78	54	156
Leguminosae	59	70	83	95	174	286	306	330
Myrtaceae	12	9	11	10	111	109	72	185

On account of our manifestly very incomplete knowledge of the Bornean flora, it has not been considered expedient or necessary to attempt to prepare analytical keys to the families, genera, and species now known from Borneo; such keys, if prepared, while they would serve as guides to the identification of most of the common and widely distributed species, would, in all possibility, actually serve to identify not more than one-half of the species that occur in Borneo. It is the task for future botanists to prepare a general critical flora of Borneo, and such an undertaking must, to be worthy of the name, be based on immensely greater data and collections than are now available.

With the high percentage of endemism characteristic of Borneo it is at once evident that published floras of surrounding regions will serve the amateur or professional botanist chiefly as guides to the generic identity of current Bornean collections, and to specific identifications only for those plants of wide geographic distribution. A very high percentage of any average Bornean collection must be identified either by comparison with authentically named botanical material preserved in various herbaria; by a study and comparison of original Bornean descriptions; or by a combination of both methods. There is no single published work that will aid the investigator in the identification of more than a small percentage of his current Bornean collections. The present list will serve to indicate those species that are at present known from Borneo,

and the publications in which the original descriptions and Bornean records may be found, as well as giving the other historical data for each species in relation to the Bornean references.

The general botanical publications of greatest value in the identification for Bornean material are King & Gamble's *Materials for Flora of the Malayan Peninsula*; Koorders's *Exkursionsflora von Java*; and my own *Flora of Manila*. The latter publication will prove to be of distinct value for the identification of those species characteristic of the settled areas at low altitudes in the vicinity of towns and settlements, but will be of no service as a guide to the identity of species characteristic of the forested regions. It is, in general, a text that is applicable to the vegetation of the settled areas throughout the Indo-Malayan and Polynesian regions, although it is based wholly on those species that grow either naturally or cultivated in the immediate vicinity of Manila. It is a well known fact that most of the species that grow in the settled areas in one part of Malaya are identical with those found in other parts of the entire region. A very high percentage of all such species are weeds and weed-like plants and cultivated and semi-cultivated species that have accidentally or purposely been transmitted from one region to another by man, and a very high percentage of them are pantropic; i.e., are to be found in most or all tropical countries.

It may be argued by some that a bibliographic list like the present one serves no especially valuable purpose. It is true that it will be of comparatively little value to amateur botanists, or to those professional botanists who do not have a wide knowledge of taxonomy, and access to large botanical libraries and to herbaria rich in Indo-Malayan collections. However, no summary of the Bornean flora has been prepared, and the professional botanist who concerns himself with a study of Bornean material must or should spend many weeks in indexing Bornean references in the very widely scattered taxonomic literature before he is in a position to determine those species that have already been described from or credited to Borneo. The very fact that no compilation of the Bornean flora, not even a simple list, exists is sufficient argument to support the preparation and publication of the present enumeration. It is distinctly worth while to pause from time to time in our apparently never-ending task of working out and describing new species from little-known parts of the World and to summarize and place in such form the summarized results that they will be available to all who are concerned or interested in the various problems involved. This is what I have attempted to do in the preparation of the present work by summarizing in

convenient form what is now definitely known regarding the Bornean flora; by giving the place of original publication of each species admitted; by including all bibliographic references and synonyms of each species so far as such references appertain to Borneo; by citing under each the various collectors who have secured the species in Borneo; by adjusting the nomenclature and synonymy where possible to do so; and by giving the approximate geographic distribution of each species whether it be endemic or of wider range. To the actual resident of Borneo the list would have been of distinctly greater utility had it been possible for me to add the native names of plants in actual use in Borneo, but unfortunately comparatively few data regarding the native names of Bornean plants are available to me.

SUMMARY OF FAMILIES, GENERA, AND SPECIES OF BORNEAN PLANTS.

				Genera.	Species.
Gymnospermae:					
Cycadaceae	..	..	..	1	1
Taxaceae	..	..	..	3	11
Pinaceae	..	..	..	2	6
Gnetaceae	..	..	..	1	8
Angiospermae:					
(Monocotyledons)					
Pandanaceae	..	..	..	2	33
Potamogetonaceae	..	..	..	1	1
Najadaceae	..	..	..	1	1
Butomaceae	..	..	..	1	1
Hydrocharitaceae	..	..	..	4	5
Triruridaceae	..	..	..	1	5
Gramineae	..	..	..	54	131
Cyperaceae	..	..	..	27	126
Palmae	..	..	..	27	179
Araceae	..	..	..	27	195
Flagellariaceae	..	..	..	3	3
Centrolepidaceae	..	..	..	1	1
Xyridaceae	..	..	..	1	4
Eriocaulonaceae	..	..	..	1	6
Bromeliaceae	..	..	..	1	1
Pontederiaceae	..	..	..	2	3
Commelinaceae	..	..	..	6	21
Liliaceae	..	..	..	9	24
Amaryllidaceae	..	..	..	4	10
Taccaceae	..	..	..	1	3
Dioscoreaceae	..	..	..	2	11
Iridaceae	..	..	..	1	2

				Genera.	Species.
Musaceae	..	..	..	2	9
Zingiberaceae	..	..	..	17	118
Cannaceae	..	..	..	1	1
Marantaceae	..	..	..	3	7
Burmanniaceae	..	..	..	3	12
Orchidaceae	..	..	..	86	702
(Dicotyledons)					
Casuarinaceae	..	..	..	1	3
Piperaceae	..	..	..	3	36
Chloranthaceae	..	..	..	1	2
Myricaceae	..	..	..	1	2
Juglandaceae	..	..	..	1	1
Fagaceae	..	..	..	2	48
Ulmaceae	..	..	..	2	7
Moraceae	..	..	..	7	116
Urticaceae	..	..	..	17	46
Loranthaceae	..	..	..	3	47
Santalaceae	..	..	..	2	6
Olacaceae	..	..	..	4	7
Balanophoraceae	..	..	..	1	4
Aristolochiaceae	..	..	..	2	6
Rafflesiaceae	..	..	..	2	6
Polygonaceae	..	..	..	2	7
Amaranthaceae	..	..	..	8	10
Aizoaceae	..	..	..	1	1
Portulacaceae	..	..	..	1	1
Nymphaeaceae	..	..	..	3	3
Ranunculaceae	..	..	..	3	4
Menispermaceae	..	..	..	15	26
Magnoliaceae	..	..	..	6	7
Anonaceae	..	..	..	34	54
Myristicaceae	..	..	..	4	37
Monimiaceae	..	..	..	3	5
Lauraceae	..	..	..	14	74
Hernandiaceae	..	..	..	1	1
Capparidaceae	..	..	..	4	5
Nepenthaceae	..	..	..	1	26
Droseraceae	..	..	..	1	3
Crassulaceae	..	..	..	1	1
Saxifragaceae	..	..	..	3	7
Pittosporaceae	..	..	..	1	1
Cunoniaceae	..	..	..	1	1
Rosaceae	..	..	..	8	24
Connaraceae	..	..	..	4	14
Leguminosae	..	..	..	59	174
Oxalidaceae	..	..	..	4	10

			Genera.	Species.
Linaceae	..	..	4	5
Erythroxylaceae	..	..	1	2
Rutaceae	..	..	7	19
Simarubaceae	..	..	3	3
Burseraceae	..	..	2	24
Meliaceae	..	..	12	52
Malpighiaceae	..	..	3	4
Polygalaceae	..	..	4	25
Dichapetalaceae	..	..	1	2
Euphorbiaceae	..	..	57	195
Anacardiaceae	..	..	14	34
Aquifoliaceae	..	..	1	16
Celastraceae	..	..	6	6
Hippocrateaceae	..	..	2	8
Staphyleaceae	..	..	1	1
Icacinaceae	..	..	7	18
Sapindaceae	..	..	18	49
Sabiaceae	..	..	2	8
Balsaminaceae	..	..	2	6
Rhamnaceae	..	..	5	5
Vitaceae	..	..	7	45
Elaeocarpaceae	..	..	1	22
Gonystylaceae	..	..	1	5
Tiliaceae	..	..	8	19
Malvaceae	..	..	7	12
Bombacaceae	..	..	6	23
Sterculiaceae	..	..	16	37
Dilleniaceae	..	..	5	57
Ochnaceae	..	..	7	19
Theaceae	..	..	9	23
Guttiferae	..	..	5	54
Dipterocarpaceae	..	..	13	103
Bixaceae	..	..	1	1
Violaceae	..	..	3	9
Flacourtiaceae	..	..	7	22
Passifloraceae	..	..	2	6
Caricaceae	..	..	1	1
Datisceae	..	..	1	1
Begoniaceae	..	..	1	26
Turneriaceae	..	..	1	1
Thymelaeaceae	..	..	3	9
Lythraceae	..	..	4	4
Punicaceae	..	..	1	1
Sonneratiaceae	..	..	1	2
Lecythidaceae	..	..	2	11
Rhizophoraceae	..	..	8	20
Combretaceae	..	..	4	11

			Genera.	Species.
Myrtaceae	..	..	12	111
Melastomataceae	..	..	30	171
Oenotheraceae	..	..	2	4
Halorrhagidaceae	..	..	1	2
Araliaceae	..	..	6	22
Umbelliferae	..	..	5	5
Cornaceae	..	..	2	7
Clethraceae	..	..	1	2
Ericaceae	..	..	5	70
Epicridaceae	..	..	1	4
Myrsinaceae	..	..	8	81
Ebenaceae	..	..	2	29
Styraceae	..	..	1	1
Symplocaceae	..	..	1	24
Oleaceae	..	..	4	20
Loganiaceae	..	..	6	30
Gentianaceae	..	..	3	5
Apocynaceae	..	..	31	71
Asclepiadaceae	..	..	17	48
Convolvulaceae	..	..	11	26
Boraginaceae	..	..	3	3
Verbenaceae	..	..	16	47
Labiatae	..	..	13	19
Solanaceae	..	..	3	11
Scrophulariaceae	..	..	11	26
Bignoniaceae	..	..	3	3
Pedaliaceae	..	..	1	1
Orobanchaceae	..	..	1	1
Gesneriaceae	..	..	15	112
Lentibulariaceae	..	..	1	7
Acanthaceae	..	..	21	51
Plantaginaceae	..	..	1	1
Rubiaceae	..	..	64	333
Caprifoliaceae	..	..	2	4
Cucurbitaceae	..	..	11	28
Campanulaceae	..	..	3	5
Goodeniaceae	..	..	1	2
Compositae	..	..	29	38
Total	..	..	1,152	4,924

The large families of plants in Borneo among the Spermatophytes are the *Orchidaceae*, *Rubiaceae*, *Euphorbiaceae*, *Araceae*, *Palmae*, *Leguminosae* and *Melastomataceae* in the order named. In general the *Orchidaceae*, *Rubiaceae*, *Euphorbiaceae*, and *Leguminosae* are the large groups in the Malayan region as

a whole. Especially well developed groups in Borneo are the *Palmae*, *Araceae*, *Nepenthaceae*, *Melastomataceae*, *Dipterocarpaceae*, and *Gesneraceae*; in the *Dipterocarpaceae* and *Nepenthaceae* by far more species are known from Borneo than from any other similar geographic area.

The Bornean flora presents about forty-seven endemic genera, in the total generic list of 1152, but so far as our records show a specific endemism of approximately 49 per cent. This percentage of endemism is apparently about the same as that of the Malay Peninsula, and will probably prove to be about the same as that of Sumatra, but is doubtless higher than that of Java; the Philippine flora apparently presents a somewhat higher percentage of endemism, than does that of Borneo, my estimate at this time being approximately 60 per cent. The study of the endemism of Borneo and contiguous areas, such as the Malay Peninsula and the Philippines emphasizes the fact that a high degree of specific endemism is characteristic of each geographically distinct region, and this will probably be found to hold true for the entire Malayan region; and that each region presents but a comparatively small number of endemic genera.

The Bornean flora presents about 4924 species, distributed into 1152 genera and 157 families so far as the Spermatophytes are concerned, but as indicated above this number is probably not more than 40 per cent. of the species that actually occur in Borneo. The vegetation of Sumatra and most other parts of Malaya is so very imperfectly known that any conclusion drawn regarding the alliances of the flora must of necessity be strictly limited by our own ignorance. I am not in a position to discuss in more than very general terms the alliances of the Bornean flora as presented by the following list, as while I have a fairly intensive knowledge of the Philippine flora to the north-east, my knowledge of that of the Malay Peninsula, Sumatra, and Java is purely superficial. Any final conclusions must be based on an immensely greater amount of data than is now available.

It has long been known that the flora of Borneo is not essentially different from that of the Malay Peninsula and the other islands in the Sunda group, notably Sumatra and Java and the contiguous smaller islands. Borneo naturally presents what must be considered, at least in part, the center of distribution of the typical Malayan flora. While it is certain that the Malay Peninsula, Sumatra, Borneo, and Java formerly comprised a single land mass, as indicated by their relative positions and the shallow seas separating them, yet they have been separated for a sufficiently long time to allow for the development of a high degree of endemism, not especially noticeable so far as genera are concerned, but very evident in regard to species, in each area. Unfortunately so little is known

regarding the flora of Sumatra that it is impossible to make any estimate regarding the endemism of its flora. In regard to Java, while its flora is relatively well known, the data in reference to the geographic distribution of its constituent species, approximating 5,000, is unfortunately not so arranged as to be available. On account of the extermination of the virgin forest over immense areas in Java it is very probable that its endemism will be found to be appreciably lower than that of other islands in Malaya. In the Philippines apparently about 60 per cent. of the known species are confined to the Archipelago, but the percentage of endemic genera is distinctly smaller than is that of Borneo. In the Malay Peninsula* the specific endemism is apparently about 50 per cent. The endemism of the Bornean flora is then not radically different from that of the Malay Peninsula to the north-west or the Philippines to the north-east, and it is suspected that the floras of Sumatra, Celebes, and other large islands in Malaya will approximately conform to this percentage of endemism. As our knowledge of the Bornean flora increases it is almost certain that the percentage of endemism will be found to increase rather than to decrease as it seems to be apparent that more additions will be made to the known Bornean flora in the form of species as yet undescribed than in the discovery in Borneo of species already characterized from extra-limital collections. This expectation is based on the fact that the settled areas are much better explored botanically than are the forested regions; and it is a well established fact that in all parts of the Malayan region, the percentage of endemism is high in the forested regions and very low in the settled areas. Borneo presents in addition to its strictly and dominantly Malayan elements certain continental or boreal types; that is species otherwise known only from Asia, chiefly the mountains of India, and an interesting series of Australian types, but these Asiatic and Australian types are relatively speaking few in number and are nowhere dominant.

In examining the list of Bornean species as to their extra-Bornean distribution it is but natural that we find certain ones which are known only from Borneo and from but one or two of the surrounding regions. Thus lists could be compiled of those species known only from Borneo and Java; Borneo and Celebes; Borneo and Sumatra; Borneo and the Malay Peninsula; Borneo and the Philippines, Borneo and Indo-China, but any interpretations of such list must be strictly limited by our own

* Estimate based on an examination of the families *Caprifoliaceae* to *Verbenaceae* inclusive, as treated in King & Gamble's Materials for a Flora of the Malayan Peninsula (reprint) 4 (1903-09) 1-916.

ignorance of the Bornean flora as a whole, as well as our very imperfect knowledge of the vegetation of some of the surrounding regions. Thus species reported only from the Malay Peninsula and Borneo approximate 300, while those known only from Java and Borneo are but about 110. While we might infer from this that the Bornean flora is more closely allied to that of the Malay Peninsula than to that of Java, yet I suspect that the explanation of the difference between the two lists lies largely in the fact that Borneo-Malay Peninsula material has been much more compared in working up the flora of the latter region than has Borneo-Java material in the work done on the Javan flora.

I have already indicated that the Sumatran flora is too little known to warrant drawing any definite conclusions regarding the relationships between the floras of Sumatra and Borneo. The indications are that the floras of these two large islands closely resemble each other as would be expected from their relative positions, the shallow sea separating them, and the intervening islands of Banca and Billiton. About 98 species are reported only from Sumatra and Borneo, but very few genera have this limited distribution.

It is interesting to note that about 135 species are reported from but not beyond the Malay Peninsula, Sumatra and Borneo, emphasizing the fact that these regions present much in common so far as their flora is concerned, and indicating their former union in one land mass in past geologic times; a number of genera are confined to these three regions. A similar list could be compiled of those species known from the three regions mentioned and Java; and from the Malay Peninsula, Borneo, and Java; but most of those species now reported from the Malay Peninsula-Borneo-Java are almost certain to occur in Sumatra, as are those reported only from Java-Sumatra, or Java-Malay Peninsula, or even Malay Peninsula-Sumatra, to occur in Borneo.

From the geographic position of the Philippines to the north-east of Borneo and with two definite lines of connecting islands between Borneo and the Philippines, the Sulu Archipelago to the south and the Palawan-Calamianes-Mindoro groups to the north, we might logically infer that much of our present Philippine flora had been derived from Borneo through previously existing land-connections. In the known geographic distribution of a few species, Malay Peninsula-Borneo-Philippines, and Malay Peninsula-Sumatra-Borneo-Philippines it is perhaps evident that there has been a certain part of the Philippine flora derived from this source. However, the list of species with the limited geographic distribution of Borneo-Philippines is comparatively small, about 60 and a

number of them do not reach the Philippines proper but at most extend in the south as far as western or central Mindanao and in the north to Palawan or Mindoro only. Furthermore the only genera known from and confined to Borneo and the Philippines are *Clemensia*, *Hallieracantha*, *Philbornea*, and *Beccarianthus*. The Borneo-Philippine list then is much smaller in species of limited distribution and very much smaller in genera of such distribution than are the corresponding Philippine-Celebes or Philippine-Molucca lists; and the flora of Celebes and the Moluccas generally is no better known, and is perhaps less perfectly known, than is that of Borneo. So far as the origin of the Malayan element in the Philippine flora is concerned, the preponderating evidence is that it has been derived from the islands to the south and south-east of the Philippines rather than from the nearer and apparently closer geographically allied Island of Borneo.

The Asiatic types in the Bornean flora are chiefly if not entirely those confined to the higher mountains. These species probably reached Borneo during one of the glacial periods when there was a more or less general migration of northern types to the south. In former geologic times they may have occurred in Borneo at lower altitude but now find the climatic conditions to which they are adapted only at higher altitudes, notably on Mount Kinabalu. Among these northern types may be mentioned *Viola serpens* Wall., *Potentilla* (three species), *Lactuca retrosidens* Merr., *Aletris*, *Sanicula*, *Scirpus clarkei*, *Carex*, *Gentiana* (two species), *Agrostis* (two species), *Poa epileuca* Stapf, and *Deschampsia flexuosa* Trin. The Asiatic element in Borneo is comparatively weak however, as compared with that of the mountains of Java (which may be largely due to insufficient exploration of Borneo) and especially in comparison with that of the mountains of Northern Luzon.

Perhaps the most interesting extra-Malayan element in the Bornean flora is the Australian one. This is not so pronounced as is the same element in the Philippine flora, but again this may be largely due to our own ignorance of the Bornean flora due to insufficient exploration. The Australian types are not confined to the higher altitudes although they are predominatingly so, for *Osbornia octodonta* F. Muell., and *Campostemon* (*Vidalia*) *philippinense* Becc. both occurring in the mangroves are definitely Australian types; the former, a monotypic genus was previously known only from the Philippines and Borneo, and the latter presents two species, one Australian, the other also previously known only from the Philippines; *Faradaya*, of which one species has recently been found in Borneo presents its other species in the regions to the south-east of Borneo, New Guinea, Australia, and Polynesia.

Other typically Australian genera of which species have been found in Borneo, but which are also of general distribution in Malaya are *Casuarina*, *Helicia*, *Baeckea*, *Leptospermum*, *Melaleuca* (probably introduced in Borneo), *Tristania*, *Styphelia*, *Halorhagis*, perhaps *Dianella*, and possibly representatives of other genera such as *Dipodium*. It is not always clear whether such types as these are really of Australian origin, or whether they originated in the Indo-Malayan region and migrated to Australia. Judged however from the predominance of other representatives of these and their allied genera in Australia they may with a fair degree of certainty be classed as Australian types.

Striking Australian types found at higher altitudes include *Ranunculus lowii* Stapf, *Drimys piperita* Hook. f., *Didiscus saniculaefolius* (Stapf) Merr., *Coprosma crassicaulis* Stapf, *C. hookeri* Stapf, *Nertera depressa* Banks, *Lagenophora gibbsiae* Merr., *Gaultheria borneensis* Stapf, *Euphrasia borneensis* Stapf, *Drapetes ericoides* Hook. f., *Patersonia lowii* Stapf, *P. borneensis* Stapf, *Centrolepis kinabaluensis* Gibbs, *Scirpus inundatus* Spreng., *Schoenus kinabaluensis* Stapf, *S. melanostachyus* R. Br., and *Blechnum fraseri* Luerss. Of these the genera *Drimys*, *Didiscus*, *Drapetes*, *Patersonia*, *Schoenus* and *Centrolepis* are typically Australian, but representatives of all except *Drapetes* have been found in the Philippines; they are not otherwise known from Sunda Islands and the Malay Peninsula but some of them are known from Celebes and from New Guinea, a distribution wholly to be expected of all of them.

From a systematic standpoint, with the exception of a few comparatively small areas, the flora of no part of the immense Malayan region can be considered as thoroughly known or even as well known. Among the larger islands in Malaya proper Java is the only one that has been intensively explored from a botanical standpoint, and the flora of Java is by no means thoroughly known although botanical exploration of this island has extended over a period of more than one hundred and fifty years, and an enormous amount of work has been done on its flora within the past century. Among the smaller islands probably Penang and Singapore are the only ones that we can consider to be well explored, and on both of these intensive botanical exploration has been intermittently carried on for over one hundred years; in Singapore, at least, the original vegetation has now been largely exterminated. Parts of the Malay Peninsula have been well explored, but large areas have scarcely been visited by any botanist or collector, and while the flora of the Malay Peninsula is better known than is that of any other considerable area in Malaya, other than Java, future exploration of the more inaccessible parts of the Penin-

sula will certainly yield a great many additions to its known flora. The large island of Sumatra is practically unknown from a botanical standpoint, although extensive collections have been made there in the past, and important contributions to a knowledge of its flora have been published; exploration, however, has been intermittent and limited to certain small areas. The flora of Celebes and of other islands in the Archipelago proper is no better known, while the explorations made in New Guinea within the past twenty-five years, so far as the collections have been worked up, give us but a very imperfect conception of the great richness of its flora. In the Philippines great progress has been made in botanical exploration and publication in the past sixteen years, and in that time the list of known species has been more than trebled, yet with all that has been accomplished in the Philippines in recent years, current collections from previously unexplored regions invariably present a high percentage of additions to the known flora, so that it is improbable if we now actually know more than three-fourths of the species that occur in the Archipelago.

The flora of Malaya is an exceedingly rich one in families, in genera, and in species, and the region presents an infinite number of interesting problems from the standpoint of phytogeography. It is very probable that the entire Malayan flora from the Malay Peninsula to the Philippines and New Guinea, when fairly well known, will approximate 40,000 species of plants in the higher groups alone, but it will be many years before even an approximately complete list can be compiled for enormous areas remain to be explored, and the collections made must be critically studied and compared with material from other parts of this vast area. While a certain number of species are generally distributed throughout the entire extent of Malaya, these are, in large part, the coastal forms, and those found in the settled areas where the character of the original vegetation has been profoundly altered by man and his agricultural activities. In the virgin forest in practically every island, at least in those islands of any considerable size, so far as our present available data shows, there is always or nearly always a high percentage of endemism; further in different parts of the same island, depending on local climatic conditions and apparently largely on the seasonal distribution of the rainfall throughout the year, there is very frequently a marked local endemism, the vegetation of one area presenting a high percentage of species entirely different from those found in another area often only a few miles distant. Even mountains which are separated by plains or arms of the sea only a few miles in width often differ markedly in their vegetation. Thus in the Philippines Mounts Maquiling, Banajao, and Mariveles,

in Luzon, all extinct volcanoes, each one plainly visible from the other and each supporting a characteristic type of primeval forest each presents a fairly large number of species, at approximately similar altitudes, that have not been found on either of the other two.

In regard to the high altitude flora of the Philippines most of our higher mountains present a certain number of species in common. The tendency is for each mountain, at least those peaks that are widely separated, and those located on different islands, to present a marked local endemism. This will doubtless prove to be true for the whole Malayan region, or at least in many parts of this vast area.

Again in Verde Island passage between Luzon and Mindoro, which is only seven and one-half miles wide in its narrowest part, in March to June the Batangas shore is always brown and barren looking while the Mindoro coast supports a most luxuriant type of vegetation, green and fresh at all seasons. Epiphytes such as *Asplenium nidus* occur on the Mindoro coast in mangrove trees overhanging tidal streams, which occur in the opposite parts of Batangas only at and above an altitude of about 2,000 feet; in this case the explanation of this diversity in vegetation in areas separated by only a narrow arm of the sea is that Batangas is subject to a prolonged dry season while on the opposite coast of Mindoro rains are more or less frequent in all months on account of the high mountains of Mindoro situated not far from the coast. The disposition of mountain masses has a marked effect on the seasonal distribution of the rainfall, and thus an equally marked effect on the nature of the vegetation at low altitudes in the vicinity of such mountains. In Malaya there is doubtless a large number of local and not widely separated areas that present contrasts in their vegetation as striking as the one mentioned above.

Again the geologic formation in relation to the vegetation must be considered, the flora of areas of volcanic origin being rather strongly differentiated from that of limestone regions; while such regions present many species in common, others are characteristic of the limestone areas and are scarcely to be found on other geologic formations. The richness of a local flora is naturally always greater in those regions where there is a considerable range in altitude, and the forested areas are usually much richer in species than are the open grasslands and settled areas.

The tropical forest characteristic of most parts of Malaya is exceedingly complex. In the Philippines an examination of the stand on definite areas may show more than one hundred different kinds of trees on as small an area as one-fourth of a

hectare, and what is true of an average Philippine forest is at least approximately true of other forested areas in Malaya. In the eastern tropics gregarious forests scarcely exist except in the mangrove swamps, in those countries where pines occur, in certain countries where teak grows, and in some types of dipterocarp forests such as the sal of India and Burma; other dipterocarp forests approach the gregarious type.

The complexity of primary or virgin equatorial forests is excellently indicated by the following quotations from Alfred Russell Wallace: *

"The observer new to the scene would perhaps be first struck by the varied yet symmetrical trunks, which rise up with perfect straightness to a great height without a branch, and which, being placed at a considerable average distance apart, give an impression of some enormous building. Overhead, at a height, perhaps, of a hundred and fifty feet, is an almost unbroken canopy of foliage formed by the meeting together of these great trees and their interlacing branches; and this canopy is so dense that but an indistinct glimmer of the sky is to be seen and even the intense tropical sunlight only penetrates to the ground subdued and broken up into scattered fragments. . . . The great trees we have hitherto been describing form, however, but a portion of the forest. Beneath their lofty canopy there often exists a second forest of moderate-sized trees, whose crowns, perhaps forty or fifty feet high, do not touch the lowermost branches of those above them. . . . Yet beneath this second set of medium-sized forest trees there is often a third undergrowth of small trees from six to ten feet high, of dwarf palms, of tree-ferns, and of gigantic herbaceous ferns. Yet lower, on the surface of the ground itself, we find much variety."

Terrestrial herbaceous plants may be entirely absent, or may be fairly abundant, depending on local climatic conditions. The number of species of these is usually not great. Lianes are frequently abundant, clambering into the tops of the highest trees. Epiphytes, depending on the relative humidity, may or may not be abundant or conspicuous.

Many forested areas in Borneo conform to the general characters indicated above, but in large areas the primary or virgin forest has largely been destroyed, or its character profoundly altered by the activities of the native population. Miss Gibbs in speaking of the vegetation of the interior of British North Borneo enroute to Mount Kinabalu notes † that: "The whole country with its endless hill ranges, ranging from 3,000-

* Natural Selection and Tropical Nature (1895) 240, 243, 244.

† Journ. Linn. Soc. Bot. 42 (1914) 9, 10.

5,000 feet, is covered with what may be called a well worked secondary forest;" and again: "Certainly the 'untrodden jungle' of fiction seems to be as non-existent in this country as the 'rain forest' of science."

The swamp forests differ radically from the hill forests in their constituent species, while on the mountains there is a very radical change in the nature of the forest and in its constituent species at an average altitude of from 2,500 to 3,000 feet. Naturally under these complex conditions botanical exploration is by no means an easy task and thoroughly to explore any given area involves intensive field work not only in all months of the year, as only a part of the numerous species can be found in flower or in fruit at any one time; but in order to insure the collection of most of the species in a given area, the work must be continued over a period of several years. While some species are abundant, others are rare, and in certain groups, notably the *Bambuseae* and *Dipterocarpaceae* many species produce flowers only at intervals of several years.

Botanical exploration of these exceedingly complex forests is made more difficult by the great size of the trees; their usually inconspicuous flowers; and the great difficulties encountered in determining what tree is in flower or in fruit from the fallen parts observed on the ground. Frequently the only possible expedient to follow is to fell the suspected tree, which is usually by no means an easy task, and very often when the trunk is cut the tree will not fall on account of the support given by its neighbours and the tangle of lianes uniting its top with those of other trees. Similarly it is equally difficult to detect flowers or fruits on the large lianes which clamber to the tops of the higher trees, and it is practically impossible to locate flowering or fruiting specimens of the smaller and often numerous epiphytes.

From the standpoint of phytogeography it is perhaps to be regretted that in the past fifty years so much attention has been devoted to the botanical exploration of such an island as Java, the flora of which is comparatively well known, and so little attention given to the immensely larger areas in Malaya which are practically *terra incognita* from a botanical standpoint, such as most of the great Island of Sumatra, most parts of Borneo, Celebes, Sumbawa, Flores, Timor, Ceram, Gilolo, New Guinea, and numerous smaller islands. The continued exploration of Java will doubtless add a fairly large number of species to its known flora, but the return to be expected from field work in Java, compared with what must follow intensive field work in any previously unexplored area in the islands mentioned above, can but prove insignificant. Up to the close of the last century

our knowledge of the Philippine flora was, comparatively speaking, somewhat less than our present knowledge of that of Borneo, but was distinctly in excess of our present knowledge of the Sumatran flora as well as that of most other parts of Malaya, except Java and the Malay Peninsula. Intensive exploration of the Philippines during the past sixteen years has yielded material on which the descriptions of about 5,000 previously undescribed species have been based, and the field in this respect is by no means exhausted. Current collections of Philippine plants continue to yield a high percentage of plants new to the Archipelago, in striking contrast to current collections of Javan plants, where the percentage of additions to the known flora is very low. Certainly the Philippine flora is no richer area for area than is that of any of the larger islands in Malaya, and what has proved true in regard to Philippine exploration will likewise prove true in the future exploration of the lesser known parts of Malaya.

It is urgent that such exploration be undertaken at no distant date if we are to gain an adequate knowledge of many elements of the Malayan flora. It is only necessary to examine most parts of Java below an altitude of 4,000 feet, such islands as Singapore, immense areas in the Malaya Peninsula, and the settled areas generally in the whole Malayan region in order to gain some appreciation of the disastrous effects of man's activities on the floras of these regions. It is a well known fact that where the virgin or primary forest is once destroyed in the Eastern tropics, the areas practically never revert to the original type of vegetation, at least in any reasonable amount of time. If the cleared lands are abandoned, as they frequently are by the primitive native agriculturist, they are quickly occupied by grass formations, usually lalang (*Imperata*); bamboo formations; or complex second growth forests in constituent species entirely different from the primary or virgin type. The pressure on the primary forest is rapidly increasing in many parts of Malaya, not only by the increase in the native Malay population, and the resultant demand for more agricultural lands, but also in the demands of modern industries for increased production in such commodities as rubber and copra and for other tropical products such as sugar, tobacco, fibers, coffee, tea, and other staples. Since the beginning of the present century immense areas in the Malay Peninsula, in Sumatra, in the Philippines, and doubtless in Borneo and in other parts of Malaya have been denuded of their original vegetation to provide place for modern plantations, and it is safe to assume that most such areas will never again be occupied by primary forests. The enormous trees and shade plants characteristic of the primary forest cannot persist under the

conditions demanded by modern agriculture, and they cannot exist in the second growth forests, grass lands, and bamboo thickets that rapidly encroach on cleared areas that are abandoned. Perhaps without realizing the fact we are witnessing in our own generation the rapid extermination of some of the noblest types of tropical vegetation and all botanists should be interested in preserving at least herbarium records while such records are to be secured. The present century will certainly witness an enormous extension of the agricultural areas in Malaya, for modern science has rendered our "conquest of the tropics" a comparatively simple matter; and any general extension of agricultural areas will to a large degree be at the expense of regions now covered with forests of one type or another.

It is true that many areas unsuitable for agricultural pursuits will continue to support various types of primeval vegetation, but the vast primary forests situated on level alluvial lands are with equal certainty doomed to an early destruction. In Java, for example, it is doubtless true that species once common have become extinct or at least very rare within the past century by the destruction of primary forests over large areas. While definite proofs of such a contention might be very difficult or impossible to compile, yet I believe that it must be admitted by all experienced observers that sometime in the past Java was largely covered with a primary forest of one type or another; of this only slight traces now exist below an altitude of about 4,000 feet. In Java the pressure of the population has been the chief agent in the restriction, or in most parts of the island, the destruction of the primary forest, and it is only a question of time when the same agent will exercise its full force in the now thinly populated larger areas such as the Malay Peninsula, Sumatra, and Borneo. It is becoming more and more imperative that the virgin forests of the Malay Peninsula, Sumatra, Borneo, and other parts of Malaya be botanically explored, not only because we need the data such collections will yield to help us solve the numerous problems of phytogeography and taxonomy, but also because numerous species that can now be secured without any great difficulty, will in the course of time become exceedingly rare, very local, or in some cases entirely extinct.

My appreciation of these conditions is largely based on my own experiences and observations in the Philippines during sixteen year's residence and exploration of the group, and the Philippine conditions are certainly not radically different from those in other parts of Malaya. It cannot be too strongly urged on those in authority, that provision should be made for an intensive botanical exploration of the accessible parts of Malaya.

especially in those parts where the extension of agricultural areas is now most rapid.

While an early and intensive botanical exploration of the less known parts of Malaya is an urgent necessity, what is of still greater importance is the establishment of forest reserves. These reserves should be selected and supervised for the definite purpose of preserving to posterity the characteristic types of primary forests characteristic of regions in which the reserves are made. For this definite purpose extensive reserves are not necessary, but they might be made in connection with larger ones established for insuring a constant timber supply in those regions now being opened up to settlement and in which the primary forests are now rapidly being destroyed. Forest reserves have been established in the Malay Peninsula and in Java, and wherever possible these should be extended, rather than restricted, and the general policy of establishing them should be adopted as the more distant and at present more or less inaccessible regions are opened to civilization.

In securing botanical material from Borneo, without which the preparation of this list would have been impracticable, I am under special obligations to Major J. C. Moulton, formerly Director of the Sarawak Museum, who very courteously supervised the work of various native collectors over a period of several years employed on behalf of the Bureau of Science; to Mrs. Mary Strong Clemens and Mr. D. LeRoy Topping for presenting to the Herbarium of the Bureau of Science sets of their Kinabalu collections; and to Mr. D. M. Matthews, Conservator of Forests, British North Borneo, for encouraging the employees of his Department in the collection and preparation of botanical material. To Mr. Oakes Ames, North Easton, Mass., U.S.A., I am indebted for his preparation of the list of Orchidaceae, a group with which I am not very familiar. Without the cordial support of Mr. I. H. Burkill, Director of the Botanic Garden, Singapore, and Major J. C. Moulton, Director-elect of the Raffles Museum in Singapore, and formerly Director of the Sarawak Museum, publication of the present list would not have been possible. Through their interest and support arrangements were made whereby the Royal Asiatic Society, Straits Branch, undertook the publication of the present work.

In the following list specimens that I have actually examined are indicated by an exclamation mark following the collector's name or number; all other specimens cited have been compiled from the literature examined.

E. D. MERRILL.

MANILA, P. I.

30th January, 1918.

SPERMATOPHYTA.

GYMNOSPERMAE.

Cycadaceae.

1. *Cycas circinalis* Linn. Sp. Pl. (1753) 1188; Miq. Fl. Ind. Bat. 2 (1859) 1077; Becc. Nelle Foreste di Borneo (1902) 313; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 195.

Sarawak, *Beccari*; British North Borneo, *Gibbs 4337*, *Clemens 11277!* India to Malaya and Polynesia; the Bornean form may be the one described by Miquel as *Cycas rumphii* Miq.

Taxaceae.

1. *Dacrydium beccarii* Parl. in DC. Prodr. 16|2 (1868) 494; Pilger in Engl. Pflanzenreich 18 (1903) 52; Ridl. in Journ. Str. Branch Roy. As. Soc. 63 (1912) 62.

Sarawak, *Ridley 2381*, *Moulton*, *Beccari 2385!* *Jee Koo!* Endemic.

2. *Dacrydium elatum* (Roxb.) Wall. in Hook. Lond. Journ. Bot. 2 (1843) 144, t. 2; Blume Rumphia 3 (1847) 221, t. 172c, f. 2; Miq. Fl. Ind. Bat. 2 (1859) 1075; De Boer Conif. Ind. (1866) 29; Parl. in DC. Prodr. 16 (1868) 494; Pilger in Engl. Pflanzenreich 18 (1903) 49; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 248. *Dacrydium junghuhnii* Miq. Pl. Jungh. (1851) 4, Fl. Ind. Bat. 2 (1859) 1075.

Sarawak, *Beccari 3119*; Dutch Borneo, *Korthals*, *Winkler 3270*; British North Borneo, *Haviland 1183*, *Clemens!* Tonkin to the Malay Peninsula, Philippines, and Fiji.

3. *Dacrydium falciforme* (Parl.) Pilger in Engl. Pflanzenreich 18 (1903) 45; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 191, fig. *Podocarpus falciformis* Parl. in DC. Prodr. 16|2 (1868) 685.

Sarawak *Beccari 1697!* *2437*, *2941*; British North Borneo, *Gibbs 4067*, *Clemens 10962!* Mindoro, Malay Peninsula.

4. *Dacrydium gibbsiae* Stapf ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 192, t. 4.

British North Borneo *Gibbs 4162*, *Low!* *Clemens 10879!*, *10685!* *11091!* Endemic.

1. **Podocarpus beccarii** Parl. in DC. Prodr. 16|2 (1868) 508; Becc. Nelle Foreste di Borneo (1902) 584; Pilger in Engl. Pflanzenreich 18 (1903) 59.

Sarawak, *Beccari 2649!*, *Foxworthy 353!* Endemic.

2. **Podocarpus brevifolius** (Stapf) Foxw. in Philip. Journ. Sci. 6 (1911) Bot. 160, t. 29; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 194. *Podocarpus neriifolius* D. Don var. *brevifolius* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 249; Pilg. in Engl. Pflanzenreich 18 (1903) 93.

British North Borneo, *Low, Haviland 1093!*, *Clemens 10657!*. Mindoro.

3. **Podocarpus imbricatus** Blume Enum. Pl. Jav. (1827) 89; Pilger in Engl. Pflanzenreich 18 (1903) 56; Ridl. in Journ. Str. Branch Roy. As Soc. 63 (1912) 62; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 193. *Podocarpus cupressinus* R. Br.; Blume Rumphia 3 (1847) 218; Parl. in DC. Prodr. 16|2 (1868) 521; De Boer Conif. Ind. (1866) 25; Becc. Malesia 1 (1877) 79; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 249.

Dutch Borneo, *Korthals*; Sarawak, *Moulton, Foxworthy 361!*; British North Borneo, *Haviland 1094*, *Haslam! Clemens 10636!* 10662! 10686! Burma to Hainan, Philippines and Malaya.

4. **Podocarpus neriifolius** D. Don in Lamb. Pin. (1824) 21; Pilger in Engl. Pflanzenreich 18 (1903) 81. *Podocarpus bracteata* Blume; Parl. in DC. Prodr. 16 (1868) 515. *Podocarpus leptostachya* Blume Rumphia 3 (1847) 214; Miq. Fl. Ind. Bat. 2 (1859) 1073; Parl. in DC. Prodr. 16|2 (1868) 515; Walp. Ann. 3 (1853) 449.

Sarawak, *Beccari 2143!*, *Foxworthy 444! 377!*; Dutch Borneo, *Korthals*. Nepal to Southern China, southward to New Guinea.

5. **Podocarpus polystachyus** R. Br. ex Endl. Syn. (1847) 215; Parl. in DC. Prodr. 16 (1868) 515; Winkler in Engl. Bot. Jahrb. 44 (1910) 517; Pilg. in Engl. Pflanzenreich. 18 (1914) 79; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 194.

Sarawak, *Beccari, Foxworthy 417! Native collector 2353!* *Bur. Sci.*; Dutch Borneo, *Winkler 3057*; British North Borneo, *Gibbs: 2592*, *Clemens 9759! 9568!* Malay Peninsula, Sumatra, Philippines.

6. **Podocarpus teysmanni** Miq. Fl. Ind. Bat. 2 (1859) 1072; Parl. in DC. Prodr. 16|2 (1868) 516; Pilger in Engl. Pflanzenreich 18 (1903) 81.

Sarawak, *Beccari*. Sumatra.

1. **Phyllocladus hypophyllus** Hook. f. Ic. Pl. II 5 (1852) t. 889; Carr. Conif. (1867) 706; Parl. in DC. Prodr. 16|2 (1868)

499; Walp. Ann. 5 (1858) 801; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 249; Pilger. in Engl. Pflanzenreich 18 (1903) 99; Ridl. in Journ. Str. Branch Roy. As. Soc. 63 (1912) 62; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 195.

British North Borneo, *Low*, *Haviland* 1092, *Gibbs* 4273, 4238, 4152, *Clemens* 10556! 10654! 10565! 11098! 10957!; *Sarawak*, *Beccari* 2391!, 3220, *Lobb*, *Moulton*, *Foxworthy* 360! Endemic.

1. *Pinus merkusii* Jungh. and DeVr. Pl. Nov. Ind. Bat. (1845) 5, t. 2; Blume Rumphia 3 (1847) 210; Miq. Fl. Ind. Bat. 2 (1859) 1069; de Boer Conif. Ind. (1866) 5; Parl. in DC. Prodr. 16|2 (1868) 389; Mast. in Journ. Linn. Soc. Bot. 35 (1904) 610. *Pinus finlaysoniana* Wall.; Blume Rumphia 3 (1847) 210.

Dutch Borneo, *Korthals*. Shan States to Cochinchina, Sumatra, Luzon, and Mindoro. The Bornean reference may have been based on an erroneously localized specimen.

1. *Agathis alba* (Lam.) Foxw. in Philip. Journ. Sci. 5 (1910) Gen. Sci. 173, 6 (1911) Bot. 167. *Dammara alba* Lam.; Blume Rumphia 3 (1847) 211; Miq. Fl. Ind. Bat. 2 (1859) 1070; De Boer Conif. Ind. (1866) 8; Parl. in DC. Prodr. 16|2 (1868) 374.

Dutch Borneo, *Korthals*; *Sarawak*, *Foxworthy* 398!; British North Borneo, *Clemens* 10004! Malay Archipelago.

2. *Agathis beccari* Warb. Monsunia 1 (1900) 184, t. 3, f. F; Becc. Nelle Foreste di Borneo (1902) 590.

Sarawak, *Beccari* 2413. This is probably merely a form of *Agathis alba* (Lam.) Foxw.

3. *Agathis borneensis* Warb. Monsunia 1 (1900) 184, t. 8, f. D; Winkler in Engl. Bot. Jahrb. 44 (1910) 417.

Dutch Borneo, *Winkler* 8287; *Sarawak*, *Beccari* 491, 596. This is probably only a form of *Agathis alba* (Lam.) Foxw.

4. *Agathis macrostachys* Warb. Monsunia 1 (1900) 183, t. 8, f. 2. Winkler in Engl. Bot. Jahrb. 44 (1910) 518.

Dutch Borneo, *Winkler* 1778a. The identification of Winkler's specimen is indicated as doubtful; the species was described from specimens cultivated at Buitenzorg, Java, and is probably not specifically distinct from *Agathis alba* (Lam.) Foxw.

5. *Agathis motleyi* (Parl.) Warb. Monsunia 1 (1900) 185, in note. *Dammara motleyi* Parl. Enum. Sem. Hort. Florent. (1862) 26; Seem Journ. Bot. 1 (1863) 36; Parl. in DC. Prodr. 16|2 (1868) 377.

Dutch Borneo, *Motley*. An endemic species of doubtful status; perhaps a *Podocarpus*.

Gnetaceae.

1. **Gnetum brunonianum** Griff. in Lindl. Veg. Kingdom (1846) 233, *f.* 164; Notul. 4 (1854) 30; Becc. Malesia 1 (1877) 183.

Sarawak, *Beccari 3131, 2830, 1632, 1490, 2073*. Tenasserim to the Andaman Islands and the Malay Peninsula; perhaps not specifically distinct from *Gnetum gnemon* Linn.

2. **Gnetum funiculare** Blume in Hoen. and DeVriese Tijdschr. Nat. Gesch. 1 (1834) 162; Winkler in Engl. Bot. Jahrb. 44 (1910) 518.

Dutch Bornèe, *Winkler 3238*. Malay Archipelago.

3. **Gnetum gnemon** Linn. Mant. 1 (1767) 125.

Sarawak, *Foxworthy 405!*, *Native collector 420! 1904!* *Bur. Sci., Sarawak Museum!* Widely distributed in the Indo-Malayan region.

4. **Gnetum indicum** (Lour.) Merr. Interpret. Herb. Amb. (1917) 77. *Gnetum latifolium* Blume; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 191.

British North Borneo, *Gibbs 2798, Clemens 11109!* Southern China to Malaya.

5. **Gnetum leptostachyum** Blume Rumphia 4 (1848) 5; Walp. Ann. 3 (1853) 452; Blume Mus. Bot. Lugd.-Bat. 1 (1849) 28; Miq. Fl. Ind. Bat. 2 (1859) 1067; Parl. in DC. Prodr. 16|2 (1868) 352.

Dutch Borneo, *Korthals*. Endemic.

6. **Gnetum macrocarpum** Becc. Malesia 1 (1877) 182.

Sarawak, *Beccari 3081*. Endemic.

7. **Gnetum neglectum** Blume Rumphia 4 (1848) 6, *t.* 175, *f.* 2, *t.* 184; Walp. Ann. 3 (1853) 452; Miq. Fl. Ind. Bat. 2 (1859) 1067; Parl. in DC. Prodr. 16|2 (1868) 350; Winkler in Engl. Bot. Jahrb. 44 (1910) 518.

Dutch Borneo, *Korthals, Winkler 2199*; Sarawak, *Foxworthy 436!* Sumatra, Java.

8. **Gnetum scandens** Roxb. Fl. Ind. 3 (1832) 518; Parl. in DC. Prodr. 16|2 (1868) 351; Winkler in Engl. Bot. Jahrb. 44 (1910) 518; Beccari Nelle Foreste di Borneo (1902) 604.

Dutch Borneo, *Korthals, Winkler 3108*; Sarawak, *Beccari*. India to the Moluccas (?); often confused with *G. indicum* (Lour.) Merr.

ANGIOSPERMAE.
MONOCOTYLEDONEAE.

Pandanaceae.

1. **Freycinetia angustifolia** Blume Rumphia 1 (1835) 159, t. 43; Kurz in Journ. Bot. 5 (1867) 134; Warb. in Engl. Pflanzenreich 3 (1900) 39; Martelli Webbia 3 (1910) 309.

Dutch Borneo, *Motley 1128*; Sarawak, *Foxworthy 91!* Malay Peninsula, Sumatra, Java, Celebes.

2. **Freycinetia borneensis** Martelli Webbia 3 (1910) 167, 310.

Dutch Borneo, *Jaheri 925*. Endemic.

3. **Freycinetia creaghii** Hemsl. in Kew Bull. (1896) 167; Warb. in Engl. Pflanzenreich 3 (1900) 39.

British North Borneo, *Creagh*. Endemic.

4. **Freycinetia hemsleyi** Warb. in Engl. Pflanzenreich 3 (1900) 36. *Freycinetia beccarii* Hemsl. in Kew Bull. (1896) 166, non Solms.

Sarawak, *Beccari 3598*. Endemic.

5. **Freycinetia javanica** Blume Rumphia 1 (1835) 157, t. 41. Sarawak, *Native collector 325! 423! 432!* *Bur. Sci.* Java.

6. **Freycinetia kuchinensis** Martelli Webbia 3 (1910) 178, 312.

Sarawak, *Beccari 782 bis, 1897*; Dutch Borneo, *Jaheri 528*. Endemic.

7. **Freycinetia lucida** Martelli Webbia 3 (1910) 168.

Dutch Borneo, *Hallier 3188*. Endemic.

8. **Freycinetia rigidifolia** Hemsl. in Kew Bull. (1896) 165; Warb. in Engl. Pflanzenreich 3 (1900) 34; Martelli Webbia 3 (1910) 314.

Sarawak, *Hemsley 436*. Endemic.

9. **Freycinetia sarawakensis** Martelli Webbia 3 (1910) 179, 314.

Sarawak, *Beccari 1829*; Dutch Borneo, *Jaheri 1017, Hallier 3188*. Endemic.

10. **Freycinetia valida** Ridl. Mater. Fl. Malay. Penins. (Monocot.) 2 (1907) 234; Martelli Webbia 3 (1910) 317; Winkler in Engl. Bot. Jahrb. 48 (1912) 87.

Dutch Borneo, *Winkler 2400*. Malay Peninsula, Sumatra, Java.

11. **Freycinetia winkleriana** Martelli Webbia 3 (1910) 168, 315; Winkler in Engl. Bot. Jahrb. 48 (1912) 87.

Dutch Borneo, *Winkler* 3313. Endemic.

1. **Pandanus affinis** Kurz in Journ. Bot. 5 (1867) 101; Warb. in Engl. Pflanzenreich 3 (1900) 81; Martelli Webbia 4|1 (1913) 5, t. 31, f. 1-4.

Dutch Borneo *Korthals*. Banca.

2. **Pandanus aristatus** Martelli Webbia 4|1 (1913) 6. t. 33, f. 11, 4|2 (1914) 434.

Dutch Borneo, *Hallier* 2250. Endemic.

3. **Pandanus aurantiacus** Ridl. in Journ. Str. Branch Roy. As. Soc. 39 (1903) 49.

Sarawak, *Ridley*. Singapore, Perak.

4. **Pandanus basilocularis** Martelli in Bull. Soc. Bot. Ital. (1904) 229, Webbia 4|1 (1913) 7, t. 5, f. 1-4.

Sarawak, *Beccari* 1739. Endemic.

5. **Pandanus borneensis** Warb. in Engl. Pflanzenreich 3 (1900) 78; Martelli Webbia 4|1 (1913) 8, t. 13, f. 11.

Dutch Borneo, *Korthals*. Endemic.

6. **Pandanus brevifolius** Martelli in Bull. Soc. Bot. Ital. (1904) 302, Webbia 4|1 (1913) 8, t. 32, f. 21-26.

Sarawak, *Beccari* 273. Endemic.

7. **Pandanus discostigma** Martelli Webbia 4|1 (1913) 12, t. 39, f. 12-15, 4|2 (1914) 427.

Dutch Borneo, *Jaheri* 662. Endemic.

8. **Pandanus dorystigma** Martelli in Bull. Soc. Bot. Ital. (1904) 301, Webbia 4|1 (1913) 12, t. 29, f. 17-24.

Sarawak, *Beccari* 2084. Endemic.

9. **Pandanus dubius** Spreng. Syst. 3 (1826) 897; Martelli Webbia 4|1 (1913) 12; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 170.

British North Borneo, *Gibbs* 4334. Java to the Marianne Islands and New Hebrides.

10. **Pandanus epiphyticus** Martelli in Bull. Soc. Bot. Ital. (1904) 304, Webbia 4|1 (1913) 13, t. 28, f. 11-19.

Sarawak, *Beccari* 1901, 2708, 3991. Endemic.

11. **Pandanus gibbsianus** Martelli Webbia 4|1 (1913) 15, t. 41, f. 7-9; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 170.

British North Borneo, *Gibbs* 3030. Endemic.

12. **Pandanus korthalsii** Solms in *Linnaea* 42 (1878) 12; Warb. in *Engl. Pflanzenreich* 3 (1900) 81, f. 22 E; Martelli *Webbia* 4|1 (1913) 19; Winkler in *Engl. Bot. Jahrb.* 48 (1912) 88.

Dutch Borneo, *Korthals, Grabowski, Winkler 3330a*; Sarawak, *Native collector 838!* *Bur. Sci.* Endemic.

13. **Pandanus labyrinthicus** Kurz in *Miq. Ann. Mus. Bot. Lugd.-Bat.* 2 (1866) 53; Martelli *Webbia* 4|1 (1913) 19, t. 32, f. 18-20.

Borneo, fide *Martelli* l. c. Malay Peninsula, Sumatra.

14. **Pandanus micranthus** Warb. in *Engl. Pflanzenreich* 3 (1900) 83, f. 21, U-V; Martelli in *Webbia* 4|1 (1913) 23.

Borneo fide *Warburg*. Endemic.

15. **Pandanus motleyanus** Solms in *Linnaea* 42 (1878) 21; Warb. in *Engl. Pflanzenreich* 3 (1900) 78, f. 21, Q-R; Martelli *Webbia* 4|1 (1913) 24, t. 32, f. 12-17.

Dutch Borneo, *Korthals, Motley 1057*. Banca.

16. **Pandanus pectinatus** Martelli in *Bull. Soc. Bot. Ital.* (1904) 304, *Webbia* 4|1 (1913) 27, t. 31, f. 8-10.

Sarawak, *Beccari*. Endemic.

17. **Pandanus platystigma** Martelli in *Bull. Soc. Bot. Ital.* (1904) 300, *Webbia* 4|1 (1913) 27, t. 24, f. 12-15.

Sarawak, *Beccari 44, 2050*. Endemic.

18. **Pandanus radula** Warb. in *Engl. Pflanzenreich* 3 (1900) 76; Martelli ex Winkler in *Engl. Bot. Jahrb.* 48 (1912) 88.

Dutch Borneo, *Winkler 3300*. Sumatra.

19. **Pandanus rostratus** Martelli in *Bull. Soc. Bot. Ital.* (1904) 300, *Webbia* 4|1 (1913) 30, t. 19, f. 7-12.

Sarawak, *Beccari 1896, 3989*. Endemic.

20. **Pandanus sarawakensis** Martelli in *Bull. Soc. Bot. Ital.* (1904) 303, *Webbia* 4|1 (1913) 30, t. 32, f. 46.

Sarawak, *Beccari 550, 1895*. Endemic.

21. **Pandanus stelliger** Ridl. in *Journ. Str. Branch Roy. As. Soc.* 41 (1907) 49; Martelli ex Winkler in *Engl. Bot. Jahrb.* 48 (1912) 88.

Dutch Borneo, *Winkler 2601*. Malay Peninsula.

22. **Pandanus tectorius** Soland. Var. *borneensis* Martelli *Webbia* 4|2 (1914) 410.

Sarawak, *Beccari*.

Var. *sarawakensis* Martelli Webbia 4|1 (1913) 34, t. 17, f. 1-2, 4|2 (1914) 413.

Sarawak, *Beccari*. Throughout the Indo-Malayan and Polynesian regions especially near the sea.

Potamogetonaceae.

1. *Potamogeton malainus* Miq. Ill. Arch. Ind. (1871) 46; Aschers. and Graebn. in Engl. Pflanzenreich 3I (1907) 83.

Borneo, fide *Ascherson and Graebner* l. c. Tropical Asia and Malaya; West Indies.

Najadaceae.

1. *Najas graminea* Del. var. *angustifolia* Rendle in Trans. Linn. Soc. Bot. 5 (1899) 424, Engl. Pflanzenreich 7 (1901) 18, f. 5 V; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 172.

Borneo, *Motley*; British North Borneo, *Gibbs 2820, Clemens 9699!* The variety in the Malay Peninsula, the species India to Japan southward to Australia.

Butomaceae.

1. *Limnocharis plumieri* Rich. in Mem. Mus. Paris 1 (1815) 370, t. 19, f. 2; Winkler in Engl. Bot. Jahrb. 44 (1910) 518.

Dutch Borneo, *Winkler 3129*. Introduced from tropical America.

Hydrocharitaceae.

1. *Halophila beccarii* Aschers. in Nuov. Giorn. Bot. Ital. 3 (1871) 302; Becc. Nelle Foreste di Borneo (1902) 360.

Sarawak, *Beccari 3666*. Luzon.

1. *Hydrilla verticillata* (Linn. f.) Royle Ill. Bot. Himal. (1839) t. 376. *Hydrilla alternifolia* Miq. Ill. Fl. Archip. Ind. (1871) 52.

Borneo, *Korthals*. India to Malaya.

1. *Enhydris angustipetala* Ridl. in Journ. Bot. 38 (1890) 69; Winkler in Engl. Bot. Jahrb. 44 (1910) 518.

Dutch Borneo, *Winkler 3367*; Sarawak, *Ridley*. Malay Peninsula.

1. *Ottelia alismoides* (Linn.) Pers. Syn. 1 (1805) 400; Miq. Ill. Fl. Archip. Ind. (1871) 55; Winkler in Engl. Bot. Jahrb. 44 (1910) 518.

Dutch Borneo, *Korthals, Winkler 2171*. Tropical Asia through Malaya to Australia.

Triruridaceae.

1. *Sciaphila affinis* Becc. Malesia 3 (1890) 331, t. 39, f. 14-18.

Sarawak, *Beccari 1509*. Malay Peninsula.

2. *Sciaphila clemensiae* Hemsl. in Hook. Ic. IV 9 (1907) t. 2650, f. 7-14.

British North Borneo, *Clemens 11030!* Mindanao.

3. *Sciaphila major* Becc. Malesia 3 (1890) 332, t. 40, f. 1-11; Hemsl. in Hook. Ic. Pl. IV 9 (1907) t. 2850, f. 1-6; Rendle in Journ. Bot. 39 (1901) 178.

Sarawak, *Beccari 1507, Lobb, Hose 178, 427*. Malay Peninsula.

4. *Sciaphila tenella* Blume Bijdr. (1825) 515; Mus. Bot. Lugd.-Bat. 1 (1851) 320, t. 38; *Beccari Malesia 3 (1890) 331*.

Sarawak, *Beccari*. Java to New Guinea.

5. *Sciaphila winkleri* Schltr. ex Winkler in Engl. Bot. Jahrb. 48 (1912) 88.

Dutch Borneo, *Winkler 3016*. Endemic.

Gramineae.

1. *Zea mays* Linn. Sp. Pl. (1753) 871; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 218.

Cultivated as it is in most temperate and tropical countries.

1. *Coix lachryma-jobi* Linn. Sp. Pl. (1753) 972; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 218; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 186.

Sarawak, *Hose*; British North Borneo, *Gibbs 2843, Clemens 9995!*

Var. *ma-yuen* (Roman.) Stapf. in Hook. f. Fl. Brit. Ind. 7 (1897) 100.

Dutch Borneo, *Motley 1117*. Throughout the Indo-Malayan region and the tropics generally, the variety in India, Cochinchina, and the Philippines.

1. *Dimeria ornithopoda* Trin. Fund. Agrost. (1820) 167; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 218.

Sarawak, *Ridley 11718*; British North Borneo, *Clemens!* India to Polynesia and tropical Australia.

1. *Imperata cylindrica* (Linn.) Beauv. Agrost. (1812) Expl. Pl. 5, t. 5, f. 1; Winkler in Engl. Bot. Jahrb. 44 (1910) 519. *Imperata arundinacea*. Cyrill. Pl. Rar. Neap. 2 (1792) 26, t. 11; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 218.

Sarawak, *Haviland*, *Hose*, *Ridley*; Labuan, *Ridley*; Dutch Borneo, *Winkler* 3378. All tropical countries in various forms or varieties.

2. ***Imperata exaltata*** Brongn. Voy. Coq. Bot. (1829) 101, excl. syn.; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 218.

Sarawak, *Hose*; British North Borneo, *Villamil* 271!, *Clemens* 9528! *Topping* 1433!

1. ***Miscanthus sinensis*** Anderss. in Oefv. Vet.-Akad. Stockh. (1855) 166; Stapf. in Trans. Linn. Soc. Bot. 4 (1894) 246; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 218; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 187.

British North Borneo, *Low*, *Gibbs* 4415, *Clemens* 9602! 10982!; common, fide *Ridley*. Japan and China to Cochinchina and Celebes.

1. ***Saccharum arundinaceum*** Retz. Obs. 6 (1791) 14; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 219.

Sarawak, *Hose*. India and Ceylon to Southern China and the Philippines.

2. ***Saccharum officinarum*** Linn. Sp. Pl. (1753) 54; Becc. Nelle Foreste di Borneo (1902) 597.

Cultivated as it is in all other tropical countries; sugar cane.

1. ***Erianthus chrysothrix*** Hack. in Oester. Bot. Zeitschr. 11 (1891) 6; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 219.

Borneo, fide *Hooker* f. Fl. Brit. Ind. 7: 125. India to Tonkin.

1. ***Pollinia nuda*** Trin. in Mem. Acad. St. Petersburg. VI 4 (1833) 307; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 219; Winkler in Engl. Bot. Jahrb. 44 (1910) 519.

Sarawak, *Ridley*; Dutch Borneo, *Winkler* 2776. Northern India, Japan, China, Philippines.

2. ***Pollinia ridleyi*** Hack. in Oester. Bot. Zeitschr. 40 (1891) 7; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 219.

Borneo, fide *Hooker* f. Fl. Brit. Ind. 7 (1897) 114. Malay Peninsula.

1. ***Polytrias amaurea*** (Buse) O. Kuntze Rev. Gen. Pl. (1891) 788. *Polytrias praemorsa* Hack. in DC. Monog. Phan. 6 (1889) 189; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 219.

Sarawak, *Hose*; British North Borneo, *Clemens* 9501! 9557!, *Villamil* 357! Java, Singapore, Philippines; introduced in the West Indies.

1. **Pogonatherum paniceum** (Lam.) Hack. in Allg. Bot. Zeitschr. 12 (1906) 178. *Pogonatherum saccharoideum* Beauv.; Winkler in Engl. Bot. Jahrb. 44 (1910) 915. *Pogonatherum crinitum* Trin.; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 219.

Sarawak, *Hullett, Ridley, Native collector 668! 2077! Bur. Sci.*; Dutch Borneo, *Winkler 3165*; British North Borneo, *Clemens 9780!, 10031!, 11242!, Yates 68!*. India to China, Japan, and Malaya.

1. **Apocopsis borneensis** Ridl. ex Winkler in Engl. Bot. Jahrb. 44 (1910) 519.

Dutch Borneo, *Winkler 3397*. Endemic.

2. **Rottboellia glandulosa** Trin. in Mem. Acad. St. Petersburg. VI 2 (1833) 250; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 218; Winkler in Engl. Bot. Jahrb. 44 (1910) 519; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 187.

Sarawak, *Hose, Ridley, Native collector 2010! Bur. Sci.*; British North Borneo, *Gibbs 2702, Clemens 9799!, Villamil 357!*; *Yates 22!* Dutch Borneo, *Winkler 2979*. Philippines, New Guinea, Australia.

1. **Manisuris granularis** Linn. f. Nov. Gram. Gen. (1779) 37, t. 7, f. 4-7; Winkler in Engl. Bot. Jahrb. 44 (1910) 520.

Dutch Borneo, *Winkler 2291*. Pantropic.

1. **Ischaemum aristatum** Linn. Sp. Pl. (1753) 1049.
Labuan, *Merrill!* India to China and Malaya.

2. **Ischaemum beccarii** Hack. in DC. Monog. Phan. 6 (1889) 247; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 219; Ridl. Mater. Fl. Malay Penin. (Monocot.) 3 (1907) 160.

Sarawak, *Beccari 3820*. Malay Peninsula.

3. **Ischaemum ciliare** Retz. Obs. 6 (1791) 36; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 219.

Sarawak, common, fide *Ridley*. India to Southern China southward to Australia.

4. **Ischaemum digitatum** Brongn. Bot. Duperey Voy. (1829) 70.

Sarawak, *Ridley 12334!* Moluccas.

5. **Ischaemum magnum** Rendle in Journ. Bot. 32 (1894) 102; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 219.

Sarawak, *Hose, Ridley 11698!*, *Native collector 665! Bur. Sci.*; Labuan, *Ridley*. Malay Peninsula.

6. **Ischaemum muticum** Linn. Sp. Pl. (1753) 1049; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 219.

Sarawak, *Hose*, *Native collector 2057 Bur. Sci.*!; British North Borneo, *Clemens 9681!*, *Villamil 270!*, *Yates 36!*. India, through Malaya to Australia.

7. **Ischaemum rugosum** Salisb. Ic. (1791) 1, *t. 1*; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 187.

British North Borneo, *Gibbs 2783*, *Clemens 9672!*, *Topping 1420* (var. *distachyum* (Cav.) Merr.). India to China and Malaya.

8. **Ischaemum timoreense** Kunth Revis. Gram. 1 (1835) 369, *t. 98*; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 219.

Sarawak, *Hose*; Labuan, *Hose*; British North Borneo, *Ridley*. India to the Moluccas and the Marianne Islands.

1. **Apluda mutica** Linn. Sp. Pl. (1753) 82.

British North Borneo, *Clemens 9805!* India to Australia.

1. **Andropogon aciculatus** Retz. Obs. 5 (1789) 22; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 219; Winkler in Engl. Bot. Jahrb. 44 (1910) 520.

Sarawak, *Haviland*; British North Borneo, *Ridley*; Dutch Borneo, *Winkler 2931*. Tropical Asia to Mauritius, Malaya, Australia, and Polynesia.

2. **Andropogon brevifolius** Sw. Prodr. (1788) 26; Winkler in Engl. Bot. Jahrb. 44 (1910) 520; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 187.

British North Borneo, *Gibbs 2678*, *Clemens 9758!*; Dutch Borneo, *Winkler 2610*. Pantropic.

3. **Andropogon citratus** DC. Cat. Hort. Monsp. (1813) 78; Stapf in Hook. Ic. Pl. IV 9 (1907) *t. 2826*. *Cymbopogon citratus* Stapf in Kew Bull. (1906) 257.

Labuan, *Burbidge*. Widely cultivated in the Indo-Malayan region.

4. **Andropogon halepensis** (Linn.) Brot. Fl. Lusit. 1 (1804) 89; Winkler in Engl. Bot. Jahrb. 44 (1910) 520, var.

Sarawak, *Ridley*; Dutch Borneo, *Winkler 2633*.

Var. **propinquus** (Kunth) Merr. in Philip. Journ. Sci. 1 (1906) Suppl. 336.

British North Borneo, *Clemens 9796!*, *Villamil 335!* Pantropic in various forms and varieties.

5. **Andropogon intermedius** R. Br. Prodr. (1910) 202; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 219.

Sarawak, *Ridley 11609*; British North Borneo, *Clemens 9763!* (var. *haenkei* Hack.). Africa through Asia and Malaya to Polynesia and Australia.

6. **Andropogon nardus** Linn. Sp. Pl. (1753) 1046; Becc. Nelle Foreste di Borneo (1902) 591.

Sarawak, *Beccari*. Tropical Africa and Asia to Australia.

7. **Andropogon schoenanthus** Linn. Sp. Pl. (1753) 1046; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 220.

Sarawak, cultivated, fide *Ridley*. Tropical Africa and Asia.

8. **Andropogon serratus** Thunb. Fl. Jap. (1784) 41. *Sorghum serratum* Stapf ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 188.

British North Borneo, *Gibbs 4321*.

Var. **nitidus** (Vahl) Hack. in DC. Monog. Phan. 6 (1889) 521; Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 75.

British North Borneo, *Clemens 9757!* India to Japan southward to Malaya.

1. **Themeda gigantea** (Cav.) Hack. in DC. Monog. Phan. 6 (1889) 670; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 188. *Anthistiria gigantea* Cav. Ic. 5 (1799) 36, t. 458; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 220; Winkler in Engl. Bot. Jahrb. 44 (1910) 520.

Sarawak, *Hose, Ridley, Native collector 669!, 2549! Bur. Sci., Gibbs 2703* (subsp. *intermedia* var. *dubia* Hack.), *Fraser 264* (subsp. *arundinacea* Hack.), *Clemens 9808!*; Dutch Borneo, *Motley 303* (subsp. *caudata* Hack.), *Winkler 2128*. India to China and Malaya.

1. **Thysanolaena maxima** (Roxb.) O. Kuntze Rev. Gen. Pl. (1891) 794. *Thysanolaena agrostis* Nees; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 217.

Sarawak, *Ridley, Native collector 1638! Bur. Sci.*; British North Borneo, *Haviland, Clemens 9903!, Villamil 322!* India to New Guinea.

1. **Paspalum conjugatum** Berg. in Act. Helvet. 7 (1772) 129, t. 8; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 215; Winkler in Engl. Bot. Jahrb. 44 (1910) 520; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 185.

Sarawak, *Miss Hose*; British North Borneo, *Ridley, Gibbs 2630, 2862, Clemens 2901!, 9525!, 10030!*; Dutch Borneo, *Winkler 3377*. A native of tropical America, now pantropic.

2. **Paspalum distichum** Linn. Amoen. Acad. 5 (1760) 391; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 215.

Sarawak, *Hose*. Pantropic.

3. **Paspalum longifolium** Roxb. Fl. Ind. 1 (1820) 280.

Sarawak, *Native collector 2454!* *Bur. Sci.* India to Malaya.

4. **Paspalum scrobiculatum** Linn. Mant. 1 (1767) 29; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 215; Winkler in Engl. Bot. Jahrb. 44 (1910) 520. *Paspalum kora* Willd.; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 185.

Sarawak, *Miss Hose, Native collector 2050!* *Bur. Sci., Ridley;* Dutch Borneo, *Winkler 2181;* British North Borneo, *Gibbs 2773, Clemens 9609!, 10288!* Tropics of the Old World.

1. **Digitaria longiflora** (Gmel.) Pers. Syn. 1 (1805) 85; Gibbs. in Journ. Linn. Soc. Bot. 42 (1914) 186. *Paspalum longiflorum* Retz.; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 216.

Sarawak, *Hose;* British North Borneo, *Gibbs 2677.* India to Japan and Malaya.

2. **Digitaria pruriens** Buse in Miq. Pl. Jungh. (1854) 379; Gibbs. in Journ. Linn. Soc. Bot. 42 (1914) 186.

British North Borneo, *Gibbs 2687;* Sarawak, *Hose.* Malaya; perhaps not distinct from *Digitaria consanguinea* Gaudich.

3. **Digitaria sanguinalis** (Linn.) Scop. Fl. Carn. ed. 2, 1 (1772) 52. *Paspalum sanguinale* Lam.; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 216.

Sarawak, *Hose, Ridley.* Ridley records the varieties *commutatum*, *debile* and *pruriens* (= *Digitaria pruriens* Buse). All warm countries in various forms and varieties.

1. **Eriochloa ramosa** (Retz.) O. Kuntze Rev. Gen. Pl. (1891) 775. *Eriochloa polystachya* Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 216, haud HBK.

Sarawak, *Hose;* British North Borneo, *Clemens 9551!* Tropics of the Old World.

1. **Isachne albens** Trin. Sp. Gram. Ic. (1823-36) t. 85; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 185.

British North Borneo, *Gibbs 4113.* India to China and Malaya.

2. **Isachne clementis** Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 76.

British North Borneo, *Clemens 10503!* Endemic.

3. **Isachne globosa** (Thunb.) O. Kuntze Rev. Gen. Pl. (1891) 778. *Isachne australis* R. Br.; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 216.

Sarawak, *Hose, Native collector 2117!* *Bur. Sci.* India to Japan southward to Australia.

4. **Isachne kinabaluensis** Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 77.

British North Borneo, *Clemens 10704!*, *10029!* Endemic.

5. **Isachne javana** Nees in Miq. Pl. Jungh. (1854) 376; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 216.

Borneo, fide *Hooker f.* Fl. Brit. Ind. 7: 24. Burma, Malay Peninsula, Java.

6. **Isachne kunthiana** Wight and Arn. ex Steud. Syn. Pl. Gram. (1854) 96; Thwaites Enum. Pl. Zeyl. (1859-64) 362; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 146; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 216; Winkler in Engl. Bot. Jahrb. 44 (1910) 520.

British North Borneo, *Haviland 1408*; Sarawak, *Ridley*; Dutch Borneo, *Winkler 2739*. India and Ceylon to the Malay Peninsula and Java.

7. **Isachne miliacea** Roth Nov. Pl. Sp. (1821) 58; Winkler in Engl. Bot. Jahrb. 44 (1910) 520.

Dutch Borneo, *Winkler 3373*; Sarawak, *Ridley 12335!*; British North Borneo, *Clemens 9746!*, *9743!* India to China, Malaya, and Polynesia.

8. **Isachne myosotis** Nees in Hook. Kew Journ. Bot. 2 (1850) 98.

British North Borneo, *Yates 81!* Philippines.

9. **Isachne rigida** Nees ex Steud. Syn. Gram. (1854) 95; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 216; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 185.

Sarawak, *Ridley 9034!*, *11702!*; Labuan, *Merrill!*; British North Borneo, *Gibbs 2583*. Malaya.

10. **Isachne virgata** Nees ex Steud. Syn. Pl. Gram. (1854) 96, in syn.; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 185.

British North Borneo, *Gibbs 4069*. Java, Sumatra.

1. **Panicum amplexicaule** Rudge Pl. Guian., (1805) 21, t. 27. *Panicum myurus* HBK.; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 217.

Sarawak, *Hose*; British North Borneo, *Ridley*. Pantropic.

2. **Panicum auritum** Presl Rel. Haenk. 1 (1830) 305; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 217; Winkler in Engl. Bot. Jahrb. 44 (1910) 521.

Sarawak, *Hose*; Dutch Borneo, *Winkler 3008*. India to Southern China and Malaya.

3. **Panicum barbinode** Trin in Mem. Acad. St. Petersburg. VI 3/2 (1835) 256; Merr. in Philip. Journ. Sci. 11 (1916) Bot. 52.

British North Borneo, *Baker!* Introduced from tropical America.

4. **Panicum brevifolium** Linn. Sp. Pl. (1753) 59. *Panicum ovalifolium* Poir.; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 217.

Sarawak, *Hose, Ridley*; British North Borneo, *Ridley*. Tropical Asia, Africa, and Malaya.

5. **Panicum caesium** Nees in Hook. Kew Journ. Bot. 2 (1850) 97; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 217.

Sarawak, *Hose*. India to Malaya.

6. **Panicum carinatum** Presl Rel. Haenk. 1 (1830) 209.

British North Borneo, *Yates 8!* Southern China, Philippines.

7. **Panicum colonum** Linn. Syst. ed. 10 (1759) 56; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 216; Gibbs. in Journ. Linn. Soc. Bot. 42 (1914) 185.

Sarawak, *Haviland, Hose*; British North Borneo, *Yates 52!*, *Gibbs 2726*. All warm countries.

8. **Panicum cordatum** Buse in Miq. Pl. Jungh. (1854) 376; Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 76.

British North Borneo, *Clemens 10029!*, *10028!* Malay Archipelago and the Philippines.

9. **Panicum distachyum** Linn. Mant. 1 (1767) 138.

British North Borneo, *Yates 8!* India to Malaya and tropical Australia.

10. **Panicum humile** Nees ex Steud. Syn. Pl. Gram. (1754) 84; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 217.

Borneo, fide *Hooker f.* Fl. Brit. Ind. 7: 48. India to Southern China and the Philippines.

11. **Panicum indicum** Linn. Mant. 2 (1771) 184; Rendle in Journ. Bot. 39 (1901) 179; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 217; Winkler in Engl. Bot. Jahrb. 44 (1910) 521.

Sarawak, *Hose 2761*, *Native collector 2447!* *Bur. Sci.*, common fide *Ridley*; Dutch Borneo, *Winkler 2624!*; British North Borneo, *Clemens 11189!*, *10454!*, *9524!*, *9803!*; Labuan, *Merrill!* Tropics of the Old World.

12. **Panicum luzonense** Presl Rel. Haenk. 1 (1830) 308; Winkler in Engl. Bot. Jahrb. 44 (1910) 521.

Dutch Borneo, *Winkler 3374*. Malay Peninsula, Philippines.

13. **Panicum malabaricum** (Linn.) Merr. in Philip. Journ. Sci. 11 (1916) Bot. 52.

Sarawak, *Ridley 12328!*, *Native collector 2047!* *Bur. Sci.*; British North Borneo, *Clemens 9747!* India to Malaya and the Philippines.

14. **Panicum maximum** Jacq. Ic. Rar. 1 (1781-86) t. 13; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 217.

British North Borneo, *Hose*; Sarawak, *Hose*. A native of tropical Africa, now cultivated in most tropical countries.

15. **Panicum muticum** Forsk. Fl. Aeg.-Arab. (1775) 20; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 216.

British North Borneo, *Ridley*. Tropical Africa, Asia, and America.

16. **Panicum myosuroides** R. Br. Prodr. (1810) 189; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 217.

Sarawak, *Ridley*; British North Borneo, *Clemens 11188!* Tropical Africa and Asia to tropical Australia.

17. **Panicum nodosum** Kunth Enum. 1 (1833) 97; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 217; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 185. *Panicum multinode* Presl Rel. Haenk 1 (1830) 303.

Sarawak, *Hose*, *Haviland*; British North Borneo, *Gibbs 2673*; Dutch Borneo, *Winkler 3247, 3464*. India and Ceylon to Malaya and the Philippines.

18. **Panicum patens** Linn. Sp. Pl. (1753) 86; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 216; Winkler in Engl. Bot. Jahrb. 44 (1910) 521; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 186.

Sarawak, *Ridley, Hose*; Dutch Borneo, *Winkler 2514!*; British North Borneo, *Gibbs 2668, Yates 58!* Tropical Asia to Polynesia.

19. **Panicum perakense** (Hook. f.) Merr. in Philip. Journ. Sci. 11 (1916) Bot. 52. *Panicum humidiorum* Ham. var. *perakense* Hook. f. Fl. Brit. Ind. 7 (1897) 54.

Sarawak, *Native collector 2048!* *Bur. Sci.* Malay Peninsula.

20. **Panicum pilipes** Nees and Arn. ex Buse in Miq. Pl. Jungh. (1854) 376; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 216; Winkler in Engl. Bot. Jahrb. 44 (1910) 521.

Sarawak, *Hose, Ridley 11697!*; British North Borneo, *Ridley, Clemens 10810!*; Dutch Borneo, *Winkler 2740*. India to Madagascar, Malaya, Australia and Polynesia.

21. **Panicum repens** Linn. Sp. Pl. ed. 2 (1763) 87; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 216.

Sarawak, *Hose, Ridley*; British North Borneo, *Clemens 9689!*, *Yates 43!* Pantropic.

22. ***Panicum ridleyi*** Hack. in Trans. Linn. Soc. Bot. 2 (1893) 401; Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 76. *Panicum latifolium* Ridley in Journ. Str. Branch Roy. As. Soc. 46 (1906) 217.

Sarawak, *Hose, Ridley 11688*; British North Borneo, *Clemens 11159!* Malay Peninsula.

23. ***Panicum sarmentosum*** Roxb. Fl. Ind. 1 (1820) 308; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 217; Winkler in Engl. Bot. Jahrb. 44 (1910) 521; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 186.

Sarawak, *Hose*; British North Borneo, *Gibbs 2743, 2678 bis, Clemens 9770!*, *Yates 24!*; Dutch Borneo, *Winkler 2221, 3077*. India to southern China and Malaya.

24. ***Panicum setigerum*** Retz. Obs. 4 (1786) 15; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 216.

Sarawak, *Ridley*. British India and Ceylon.

25. ***Panicum stagninum*** Retz. Obs. 4 (1786) 17. *Panicum crus galli* Linn. var. *stagninum* (Retz) Winkler in Engl. Bot. Jahrb. 44 (1910) 521.

Dutch Borneo, *Winkler 3292*. Tropical Asia and Malaya.

26. ***Panicum trypheron*** Schultes Mant. 2 (1822) 244; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 217.

Borneo, fide *Hooker f.* Fl. Brit. Ind. 7: 47. Tropical Africa and Asia to Malaya.

1. ***Ichnanthus pallens*** (Sw.) Munro in Benth. Fl. Hongk. (1861) 414; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 217; Winkler in Engl. Bot. Jahrb. 44 (1910) 521.

Sarawak, *Ridley*; Dutch Borneo, *Winkler 2693*. Pantropic.

1. ***Oplismenus compositus*** (Linn.) Beauv. Agrost (1812) 54; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 246; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 218; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 186.

Sarawak, *Hose, Ridley*; British North Borneo, *Haviland 1409, Gibbs 2728, Clemens 9777!*, *10424!* Pantropic.

2. ***Oplismenus undulatifolius*** (Ard.) Beauv. var. *imbecillis* (R. Br.) Hack; Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 76.

British North Borneo, *Clemens 10422!* The species in the warmer parts of the Old World, the variety Malaya to Australia.

1. **Setaria italica** (Linn.) Beauv. Agrost. (1812) 51. *Pennisetum italicum* R. Br.; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 218.

Sarawak, *Hose*. Cultivated as it is in all warm countries.

2. **Setaria palmifolia** (Koenig) Stapf ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 186. *Panicum palmaefolium* Koenig in Naturf. 23 (1788) 206. *Panicum plicatum* Lam.; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 216.

Sarawak, *Ridley* 12433!, *Hose*; British North Borneo, *Gibbs* 2650, *Clemens* 9799!, 10032! Tropical Asia and Malaya.

1. **Axonopus cimicinus** (Retz.) Beauv. Agrost. (1812) 12; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 217.

Sarawak, *Hose*. India to China and Malaya.

1. **Cenchrus echinatus** Linn. Sp. Pl. (1753) 1050; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 218.

British North Borneo, *Ridley* 9040. This is probably the form reported by Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 186 as *Cenchrus viridis* Spreng. (*Gibbs* 2742). Introduced from tropical America.

1. **Pennisetum macrostachyum** Trin. in Mem. Acad. St. Petersb. IV 3|2 (1835) 177; Winkler in Engl. Bot. Jahrb. 44 (1910) 521.

Dutch Borneo, *Winkler* 2529. Philippines to Java and New Guinea.

1. **Thuarea involuta** (Forst.) R. and S. Syst. 2 (1817) 782. *Thuarea sarmentosa* Pers.; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 218.

Sarawak, *Hose*; Labuan, *Ridley*. Sandy seashores, India to Madagascar, Malaya, Australia, and Polynesia.

1. **Zoisia matrella** (Linn.) Merr. in Philip. Journ. Sci. 7 (1912) Bot. 230. *Zoisia pungens* Willd. in Ges. Naturf. Neue Schrift. 3 (1801) 441.

British North Borneo, *Clemens* 9728! Warmer parts of the Old World.

1. **Leptaspis urceolata** (Roxb.) R. Br. in Benn. Pl. Jav. Rar. (1838-52) 23, t. 6; Rendle in Journ. Bot. 39 (1901) 179; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 218; Winkler in Engl. Bot. Jahrb. 44 (1910) 522.

Sarawak, *Hose* 372!, *Haviland*, *Ridley*, *Foxworthy* 343!, *Native collector* 2803! *Bur. Sci.*; British North Borneo, *Ridley*, *Wood* 448!; Dutch Borneo, *Winkler* 2165. Malay Peninsula to the Philippines and New Guinea.

1. **Oryza meyeriana** (Z. and M.) Baill. Hist. Pl. 12 (1894) 166; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 187.

British North Borneo, *Gibbs 2692, Clemens 9552!* India to Java, the Philippines, and Celebes.

2. **Oryza minuta** Presl Rel. Haenk. 1 (1830) 208.

British North Borneo, *Gibbs 2854; Sarawak, Beccari 1020.* Philippines, and apparently other parts of Malaya.

3. **Oryza ridleyi** Hook. f. Fl. Brit. Ind. 7 (1897) 93; Ridley in Journ. Str. Branch Roy. As. Soc. 46 (1906) 218; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 187.

Dutch Borneo, *Motley;* British North Borneo, *Gibbs.* Malay Peninsula.

4. **Oryza sativa** Linn. Sp. Pl. (1753) 333; Becc. Nelle Foreste di Borneo (1902) 596; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 218.

The rice plant; commonly cultivated in Borneo as in most tropical and subtropical countries.

1. **Leersia hexandra** Sw. Prodr. (1788) 21; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 218.

Sarawak, *Ridley, Haviland, Hose.* Pantropic.

1. **Sphaerocaryum pulchellum** (Roth.) Merr. in Philip. Journ. Sci. 11 (1916) Bot. 52.

Sarawak, *Ridley 11341!* India and Ceylon to southern China, and the Malay Peninsula.

1. **Sporobolus diander** (Retz.) Beauv. Agrost. (1812) 26; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 220.

Sarawak, *Haviland, Hose;* British North Borneo, *Ridley, Clemens 11249!, 9560!, Topping 1415!* India to southern China and Malaya.

1. **Eriachne pallescens** R. Br. Prodr. (1810) 184; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 220.

Sarawak, *Hose;* Labuan, *Ridley, Merrill!*; British North Borneo, *Clemens 9678!* India to China, Malaya, and Australia.

2. **Eriachne trisetata** Nees ex Steud. Syn. Pl. Gram. (1855) 237; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 220.

British North Borneo, *Hose, Clemens 9585!* India and Ceylon to the Philippines.

1. **Agrostis canina** Linn. var. **borneensis** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 246; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 220.

British North Borneo, *Haviland, Clemens 10630!* The species throughout the north temperate zone, the variety endemic.

2. *Agrostis infirma* Buse in Miq. Pl. Jungh. (1854) 342; Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 78.

British North Borneo, *Clemens 10631!* Java.

1. *Garnotia stricta* Brongn. in Bot. Duperry Voy. (1829) 132, t. 21. *Garnotia adscendens* Munro; Winkler in Engl. Bot. Jahrb. 44 (1910) 522.

Dutch Borneo, *Winkler 3036*; British North Borneo, *Clemens 10423!* India to the Hawaiian Islands.

1. *Deschampsia flexuosa* Trin. var. *ligulata* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 248; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 220; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 188.

British North Borneo, *Haviland 1400*, *Gibbs 4192*, *4185*, *Clemens 10610!* *Haslam!* The variety endemic, the species of wide distribution in the north temperate zone, also in Tierra del Fuego and the Falkland Islands.

1. *Cynodon dactylon* (Linn.) Pers. Syn. 1 (1804) 85; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 220.

Sarawak, *Miss Hose*. All warm countries.

1. *Eleusine indica* (Linn.) Gaertn. Fruct. 1 (1788) 8; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 220; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 188.

British North Borneo, *Gibbs 2727*, *Clemens 9612!*, *Villamil 268!*; Sarawak, common fide *Ridley*. All warm countries.

1. *Dactyloctenium aegyptium* (Linn.) Richt. Pl. Europ. 1 (1889) 68. *Dactyloctenium aegyptiacum* Willd. Enum. Hort. Berol. (1809) 1029. *Eleusine aegyptiaca* Desf.; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 220.

Sarawak, *Miss Hose*; British North Borneo, *Ridley*, *Clemens 9624!* Tropics of the Old World, introduced into Tropical America.

1. *Leptochloa chinensis* (Linn.) Nees Syll. Ratisb. 1 (1824) 4; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 220; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 188.

Sarawak, *Miss Hose*; British North Borneo, *Gibbs 2736*. India to Japan southward to Australia.

1. *Phragmites karka* (Retz.) Trin. ex Steud. Nomencl. ed. 2, 2 (1840) 324; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 220.

Sarawak, *Hose*; British North Borneo, *Clemens 9762!* Tropical Africa and Asia to Australia.

1. **Eragrostis amabilis** (Linn.) W. and A. ex Nees in Hook. and Arn. Bot. Beechy's Voy. (1851) 251, quoad eyn. Linn. *Eragrostis plumosa* Link; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 188. *Eragrostis tenella* R. and S.; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 220.

Sarawak, *Hose*; British North Borneo, *Gibbs* 2756. Tropical Asia and Africa to Malaya and Polynesia.

2. **Eragrostis elegantula** Steud. Syn. Pl. Gram. (1855) 266; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 221.

Sarawak, *Miss Hose*; British North Borneo, *Ridley*. India to southern China.

3. **Eragrostis elongata** Jacq. Ecl. Gram. (1813) 3, t. 3; Winkler in Engl. Bot. Jahrb. 44 (1910) 522.

Dutch Borneo, *Winkler* 3423, *Villamil* 264 bis! Tropical Asia to Australia.

4. **Eragrostis malayana** Stapf ex Hook. f. Fl. Brit. Ind. 7 (1897) 317; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 220.

Sarawak, *Haviland*. Malay Peninsula, Banca.

5. **Eragrostis pilosa** (Linn.) Beauv. Agrost. (1812) 71; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 221.

Sarawak, *Ridley*; British North Borneo, *Clemens* 9561!, 9586! Most warm countries.

6. **Eragrostis unioloides** (Retz.) Nees ex Steud. Nomencl. ed. 2, 2 (1840) 364. *Eragrostis amabilis* W. and A. (excl. syn. Linn.); Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 220; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 188; Winkler in Engl. Bot. Jahrb. 44 (1910) 522.

Sarawak, *Miss Hose*; British North Borneo, *Gibbs* 2750, *Clemens* 9565!, 9457!, 9664!, *Yates* 59!, *Topping* 1528!; Dutch Borneo, *Winkler* 3343. Tropical Africa, Asia, and Malaya, introduced in America.

1. **Centotheca latifolia** (Osbeck) Trin. Fund. Agrost. (1820) 141. *Holcus latifolius* Osbeck Dagbok Ostind. Resa (1757) 191. *Centotheca lappacea* Desv.; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 221; Winkler in Engl. Bot. Jahrb. 44 (1910) 522; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 189.

Sarawak, common, fide *Ridley*, *Native collector* 2044! *Bur. Sci.*; British North Borneo, *Gibbs* 2648; *Clemens* 9801!; *Yates* 6!, 66!; Dutch Borneo, *Winkler* 2634. Tropics of the Old World.

1. **Lophatherum gracile** Brongn. in Duperry Voy. Coq. Bot. (1829) 50; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 189. *Lophatherum lehmanni* Steud.; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 221.

Sarawak, *Hose, Haviland*; British North Borneo, *Gibbs 4005, Clemens 10797!*, *10318!*, *10814!* India to Japan through Malaya to New Guinea.

1. **Poa epileuca** Stapf in Hook. Ic. IV 7 (1899) sub *t.* 2607; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 189. *Deyeuxia epileuca* Stapf. in Trans. Linn. Soc. Bot. 4 (1894) 247, *t.* 20, *f.* 10-16; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 220.

British North Borneo, Mount Kinabalu, *Haviland 1399, 1401, Gibbs 4352, Clemens 10607!*, *Topping 1694!* Endemic.

1. **Bambusa spinosa** Roxb. Hort. Beng. (1814) 25; Merr. Interpret. Herb. Amb. (1917) 97. *Bambusa blumeana* Schultes f, Syst. Veg. 3|2 (1830) 1343; Gamble in Ann. Bot. Gard. Calcutta 7 (1896) 50, *t.* 47.

Borneo, fide *Gamble* l. c. Southern China to Malaya, and the Philippines.

2. **Bambusa (?) gibbsiae** Stapf ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 189.

British North Borneo, *Gibbs 4232*. Endemic.

3. **Bambusa solida** Munro ex Becc. Nelle Foreste di Borneo (1902) 605, *nomen nudum*.

Sarawak, *Beccari*. No description of this has been published.

1. **Gigantochloa apus** Kurz in Nat. Tijdschr. Nederl. Ind. 27 (1864) 226; Becc. Nelle Foreste di Borneo (1902) 605.

Sarawak, *Beccari*; the identification not certain. Malaya.

2. **Gigantochloa ater** Kurz in Nat. Tijdschr. Nederl. Ind. 27 (1864) 226; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 221; Winkler in Engl. Bot. Jahrb. 44 (1910) 522.

Sarawak, *Haviland*; Dutch Borneo, *Winkler 2925*. Malaya.

3. **Gigantochloa heteroclada** Stapf ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 190.

British North Borneo, *Gibbs 3039*. Endemic.

4. **Gigantochloa verticillata** (Willd.) Munro in Trans. Linn. Soc. 26 (1868) 124; Becc. Nelle Foreste di Borneo (1902) 605.

Sarawak, *Beccari*. Malay Peninsula and Archipelago.

1. **Dendrocalamus flagellifer** Munro in Trans. Linn. Soc. 26 (1868) 150; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 221.

Sarawak, *Hose*. Malay Peninsula and Tenasserim.

1. **Schizostachyum aciculare** Gamble in Ann. Bot. Gard. Calcutta 7 (1896) 117, *t.* 114; Winkler in Engl. Bot. Jahrb. 44 (1910) 522.

Dutch Borneo, *Winkler* 2994. Malay Peninsula.

2. **Schizostachyum blumei** Nees Agrost. Bras. (1829) 535; Stapf. in Trans. Linn. Soc. Bot. 4 (1894) 248, with doubt.

British North Borneo, *Haviland* 1387. Malay Peninsula, Java.

3. **Schizostachyum brachycladum** Kurz in Journ. As. Soc. Beng. 39|2 (1870) 89; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 221.

Sarawak, *Ridley*; British North Borneo, *Clemens* 10285! Malay Peninsula to the Philippines and Moluccas.

4. **Schizostachyum zollingeri** Steud. Syn. Pl. Gram. (1855) 332; Gibbs in Trans. Linn. Soc. Bot. 42 (1914) 191.

British North Borneo, *Haviland* 1582, *Gibbs* 2888, 2967, *Clemens* 11208!, *Topping* 1579! Malay Archipelago.

1. **Dinochloa ciliata** Kurz in Journ. As. Soc. Beng. 42|2 (1873) 253; Camus Bamb. (1913) 170, *t.* 95, *f.* D; Merr. in Philip. Journ. Sci. 11 (1916) Bot. 51.

Sarawak, *Native collector* 1719, 2427 *Bur. Sci.*! Philippines.

2. **Dinochloa scandens** (Blume) O. Kuntze Rev. Gen. Pl. (1891) 773. *Dinochloa tjankorreh* Buse; Gamble in Ann. Bot. Gard. Calcutta 7 (1896) 112, *t.* 98; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 221; Rendle in Journ. Bot. 39 (1901) 179.

Sarawak, *Haviland* 1390, *Hose* 65! Malay Peninsula and Archipelago; Philippines.

Cyperaceae.

1. **Lipocarpa argentea** (Vahl) R. Br. in Append. Tuckey Congo (1818) 459; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 224; Winkler in Engl. Bot. Jahrb. 44 (1910) 523.

Sarawak, *Haviland*, *Ridley*, *Miss Hose*, *Native collector* 2451! *Bur. Sci.*; Dutch Borneo, *Winkler* 2205; British North Borneo, *Topping* 1529!, *Clemens* 10292! Tropics of the Old World.

1. **Hypolytrum compactum** Nees in Linnaea 9 (1834) 288; Winkler in Engl. Bot. Jahrb. 44 (1910) 523.

Dutch Borneo, *Winkler* 3054. Philippines.

2. **Hypolytrum costato-nux** C. B. Clarke ex Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 225; Kew Bull. Add. Series 8 (1908) 52.

Sarawak, *Ridley* 12345. Endemic.

3. **Hypolytrum latifolium** L. C. Rich. in Pers. Syn. 1 (1805) 70; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 225; Winkler in Engl. Bot. Jahrb. 44 (1910) 523.

Sarawak, common, fide *Ridley, Native collector 338!*, *428!*, *341!*, *1288!* *Bur. Sci., Foxworthy 263!*; Dutch Borneo, *Winkler 2107*, *2213*; British North Borneo, *Clemens 11206!* India to China, Malaya, Polynesia, and Australia.

4. **Hypolytrum proliferum** Boeck. in Linnaea 37 (1871-73) 126; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 225.

Borneo, fide *Clarke* in Hook. f. Fl. Brit. Ind. 6: 679. Malay Peninsula.

5. **Hypolytrum viridinux** C. B. Clarke in Philip. Journ. Sci. 2 (1907) Bot. 109.

British North Borneo, fide *Clarke l. c.* Philippines.

1. **Cyperus cephalotes** Vahl Enum. 2 (1806) 311; Clarke in Journ. Linn. Soc. Bot. 21 (1886) 34; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 222.

Dutch Borneo, *Motley 1261*. India and Ceylon to southern China, Malaya, and Australia.

2. **Cyperus compressus** Linn. Sp. Pl. (1753) 68; C. B. Clarke in Journ. Linn. Soc. Bot. 21 (1886) 97; Ridley in Journ. Str. Branch Roy. As. Soc. 46 (1906) 223.

Dutch Borneo, *Motley 275*; Sarawak, *Ridley*; British North Borneo, *Topping 1406!* All warm countries.

3. **Cyperus cuspidatus** HBK. Nov. Gen. Sp. Pl. 1 (1816) 104; Clarke in Journ. Linn. Soc. Bot. 21 (1886) 88; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 222.

Dutch Borneo, *Motley 900*; British North Borneo, *Burbidge*. Most tropical countries.

4. **Cyperus diffusus** Vahl Enum. 2 (1806) 321; Clarke in Journ. Linn. Soc. Bot. 21 (1886) 127; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 222; Winkler in Engl. Bot. Jahrb. 44 (1910) 523.

Sarawak, *Ridley, Sarawak Museum!*; Dutch Borneo, *Barber 327*, *Winkler 3181*. Pantropic.

5. **Cyperus digitatus** Roxb. Fl. Ind. 1 (1820) 205; Winkler in Engl. Bot. Jahrb. 44 (1910) 523.

Dutch Borneo, *Winkler 3007*. Pantropic.

6. **Cyperus distans** Linn. f. Suppl. (1781) 103; Clarke in Journ. Linn. Soc. Bot. 21 (1886) 144; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 223; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 173.

Sarawak, *Beccari 863*, *Miss Hose*; Dutch Borneo, *Motley 91*; British North Borneo, *Gibbs 2674*, *Topping 1402!*, *Clemens 10051!*, *Villamil 277!* Pantropic.

7. *Cyperus elatus* Linn. Sp. Pl. ed. 2 (1763) 67; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 173.

British North Borneo, *Gibbs 2657*. India to Malaya.

8. *Cyperus elegans* Linn. Sp. Pl. (1753) 45; Clarke in Journ. Linn. Soc. Bot. 21 (1886) 125.

Dutch Borneo, *Motley 65*, *Barber 327*. Pantropic; the Bornean specimens referred to the Linnean species may represent *Cyperus diffusus* Vahl.

9. *Cyperus haspan* Linn. Sp. Pl. (1753) 45; Clarke in Journ. Linn. Soc. Bot. 21 (1886) 119; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 222; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 173.

Dutch Borneo, *Motley 98*, *Barber 194*; Sarawak, *Native collector 396!* *Bur. Sci.*, *Ridley*, *Miss Hose*; British North Borneo, *Ridley*, *Gibbs 2757*, *3967*, *Topping 1421!*, *Clemens 9688!*, *10043!*, *10278!* Pantropic.

10. *Cyperus iria* Linn. Sp. Pl. (1753) 45; Clarke in Journ. Linn. Soc. Bot. 21 (1886) 137; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 223; Winkler in Engl. Bot. Jahrb. 44 (1910) 523; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 173.

Dutch Borneo, *Barber 52*, *Motley 620*, *Winkler 2204*; Sarawak, *Ridley*; British North Borneo, *Gibbs 2748*. Tropics of the Old World.

11. *Cyperus malaccensis* Lam. Ill. 1 (1791) 146; Clarke in Journ. Linn. Soc. Bot. 21 (1886) 147; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 222.

Sarawak, *Miss Hose*, *Ridley*; Dutch Borneo, *Motley 1294*. India to Australia and Polynesia.

12. *Cyperus pilosus* Vahl Enum. 2 (1806) 354; Clarke in Journ. Linn. Soc. Bot. 21 (1886) 148; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 222.

Dutch Borneo, *Motley*; Sarawak, *Miss Hose*, *Ridley*, *Haviland*, *Native collector 329!* *Bur. Sci.*; British North Borneo, *Clemens 9744!*, *9720!*, *Yates 55!* Tropical Africa and Asia to Australia.

13. *Cyperus platystylis* R. Br. Prodr. (1810) 214; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 222.

Dutch Borneo, *Motley*. India to Australia.

14. *Cyperus pubisquamus* Steud. in Zoll. Verz. Ind. Arch. 2 (1854) 62; Syn. Cyp. (1855) 20; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 173.

British North Borneo, *Gibbs* 2696. Assam to Malaya.

15. *Cyperus pulcherrimus* Willd. ex Kunth Enum. 2 (1837) 35; Clarke in Journ. Linn. Soc. Bot. 21 (1886) 132; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 222.

Dutch Borneo, *Motley* 992. India to Java.

16. *Cyperus radians* Nees and Meyen in Nov. Act. Acad. Nat. Cur. 19 (1843) Suppl. 1: 63; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 222. *Cyperus griffithii* Steud.; Clarke in Journ. Linn. Soc. 21 (1886) 101.

Sarawak, *Beccari* 3686; Dutch Borneo, *Motley* 55, 1135. India to China and Malaya.

17. *Cyperus rotundus* Linn. Sp. Pl. (1753) 45; Clarke in Journ. Linn. Soc. Bot. 21 (1886) 172; Ridley in Journ. Str. Branch Roy. As. Soc. 46 (1906) 222.

Labuan, *Motley* 323; Sarawak, *Hose*. All warm countries.

18. *Cyperus stoloniferus* Retz. Obs. 4 (1786) 10; Clarke in Journ. Linn. Soc. Bot. 21 (1886) 172; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 222.

Sarawak, *Ridley*, *Miss Hose*. India to Mauritius, China, Malaya, and Australia.

19. *Cyperus tegetum* Roxb. Fl. Ind. 1 (1820) 208; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 222.

Sarawak, *Hose*. India to Burma.

20. *Cyperus zollingeri* Steud. in Zoll. Verz. Ind. Archip. 2 (1854) 62, Syn. Cyp. (1855) 17; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 222; *Gibbs* in Journ. Linn. Soc. Bot. 42 (1914) 173. *Cyperus lucidulus* Clarke (non Klein) in Journ. Linn. Soc. Bot. 21 (1886) 99.

British North Borneo, *Gibbs* 2784; Sarawak, *Miss Hose*; Dutch Borneo, *Barber* 305. Tropical Africa and Asia to Australia.

1. *Mariscus cyperinus* Vahl Enum. 2 (1806) 377; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 223 (var. *tenuifolius*).

Sarawak, *Miss Hose*; British North Borneo, *Clemens* 9613! Tropical Asia to Polynesia.

2. *Mariscus dilutus* (Vahl) Nees in Wight Contrib. (1834) 90. *Mariscus microcephalus* Presl; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 223; Winkler in Engl. Bot. Jahrb. 44 (1910) 523; *Gibbs* in Journ. Linn. Soc. Bot. 42 (1914) 174.

Sarawak, *Ridley*, *Miss Hose*, *Native collector* 342! *Bur. Sci.*; Dutch Borneo, *Winkler* 3006; British North Borneo, *Gibbs* 2663, *Topping* 1422!, *Clemens* 9721!, *Yates* 49! India to Mauritius and Malaya.

3. *Mariscus dregeanus* Kunth Enum. Pl. 2 (1857) 120; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 223.

Borneo, fide Clarke in Hook. f. Fl. Brit. Ind. 6: 620. Tropical Asia and Africa.

4. *Mariscus grabowskianus* (Boeck.) comb. nov. *Cyperus grabowskianus* Boeck. in Engl. Bot. Jahrb. 5 (1884) 502.

Dutch Borneo, *Grabowsky*. Endemic.

5. *Mariscus sieberianus* Nees in Linnaea 9 (1834) 286; Winkler in Engl. Bot. Jahrb. 44 (1910) 523; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 173. *Mariscus biglumis* var. *cylindrostachys* Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 223. *Cyperus umbellatus* var. *cylindrostachys* C. B. Clarke in Journ. Linn. Soc. Bot. 21 (1886) 200.

Sarawak, *Ridley, Barber*; Dutch Borneo, *Winkler 3180*; British North Borneo, *Gibbs 2746, Haslam!* Pantropic.

6. *Mariscus stuppeus* (Forst.) Merr. in Philip. Journ. Sci. 3 (1908) Bot. 398. *Mariscus albescens* Gaudich.; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 223. *Cyperus pennatus* Lam.; C. B. Clarke in Journ. Linn. Soc. Bot. 21 (1886) 194.

Sarawak, *Miss Hose, Barber*; British North Borneo, *Topping 1416!* Near the sea, tropical Africa to Polynesia.

1. *Pycereus hyalinus* (Vahl) comb. nov. *Cyperus hyalinus* Vahl Enum. 2 (1806) 329. *Pycereus pumilus* Nees; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 222.

Dutch Borneo, *Motley*. India to Timor.

2. *Pycereus nitens* (Vahl) Nees in Nov. Act. Acad. Nat. Cur. 19 (1843) Suppl. 1: 53; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 221. *Cyperus pumilus* Linn.; C. B. Clarke in Journ. Linn. Soc. Bot. 21 (1886) 43.

Dutch Borneo, *Motley 274*; Sarawak, *Ridley*. Warmer parts of the Old World.

3. *Pycereus odoratus* (Linn.) Urb. Symb. Antil. 2 (1900) 164. *Pycereus polystachyus* Beauv.; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 222. *Cyperus polystachyus* Rottb.; C. B. Clarke in Journ. Linn. Soc. Bot. 21 (1886) 51.

Sarawak, *Beccari 3685, Ridley, Native collector 395!* *Bur. Sci.*; British North Borneo, *Ridley, Topping 1405!, Clemens 9722!, Yates 42!*; Dutch Borneo, *Motley 67*.

Var. *paniculatus* (Rottb.) Merr. Fl. Manila (1912) 109. *Pycereus polystachyus* Beauv. var. *laxiflorus* C. B. Clarke; Ridl. l. c. 222.

Sarawak, *Miss Hose, Foxworthy 320!*

Var. **holosericeus** (Link.) Merr. in Journ. Str. Branch Roy. As. Soc. **76** (1917) 79.

British North Borneo, *Clemens 10040!* *Haslam!* All tropical countries.

4. **Pycreus sanguinolentus** (Vahl) Nees in *Linnaea* **9** (1834) 283; Ridl. in Journ. Str. Branch Roy. As. Soc. **46** (1906) 221. *Cyperus eragrostis* Vahl; C. B. Clarke in Journ. Linn. Soc. Bot. **21** (1886) 57.

Sarawak, *Ridley*; Dutch Borneo, *Motley 989*. Warmer parts of the Old World.

5. **Pycreus sulcinus** C. B. Clarke in Hook. f. *Fl. Brit. Ind.* **6** (1893) 593; Ridl. in Journ. Str. Branch Roy. As. Soc. **46** (1906) 222. *Cyperus sulcinus* C. B. Clarke in Journ. Linn. Soc. Bot. **21** (1886) 56.

British North Borneo, *Burbidge*. India to Malaya and the Philippines.

1. **Torulium ferax** (L. C. Rich.) Ham. *Prodr. Pl. Ind. Occ.* (1825) 15. *Cyperus ferax* L. C. Rich.; Clarke in Journ. Linn. Soc. Bot. **21** (1886) 191. *Mariscus ferax* C. B. Clarke; Ridl. in Journ. Str. Branch Roy. As. Soc. **46** (1906) 223.

Borneo, *Barber*. Pantropic.

1. **Kyllinga brevifolia** Rottb. *Descr. et Ic.* (1773) 13, *t. 4, f. 3*; Ridl. in Journ. Str. Branch Roy. As. Soc. **46** (1906) 221; Winkler in *Engl. Bot. Jahrb.* **44** (1910) 524; Gibbs in Journ. Linn. Soc. Bot. **42** (1914) 174.

Sarawak, common fide *Ridley*; British North Borneo, *Gibbs 2672, Clemens 10044!*; Dutch Borneo, *Winkler 2555*. Pantropic.

2. **Kyllinga monocephala** Rottb. *Descr. et Ic.* (1773) 13, *t. 4, f. 4*; Ridl. l. c.; Winkler l. c.

Sarawak, common fide *Ridley*; Dutch Borneo, *Winkler 2206*; British North Borneo, *Topping 1414!* Pantropic.

3. **Kyllinga odorata** Vahl var. *cylindrica* (Nees) Kukenth.; Merr. in Journ. Str. Branch Roy. As. Soc. **76** (1917) 80.

British North Borneo, *Clemens 9823!* India to Malaya.

1. **Fuirena umbellata** Rottb. *Descr. et Ic.* (1773) 70, *t. 19, f. 3*; Ridl. in Journ. Str. Branch Roy. As. Soc. **46** (1906) 224.

Sarawak, *Ridley, Haviland, Native collector 376!*, 1895! *Bur. Sci.*; British North Borneo, *Topping 1438!*, 1919!, *Clemens 9719!*, *Yates 50!* Tropics of both hemispheres.

1. **Scirpus clarkei** Stapf in *Trans. Linn. Soc. Bot.* **4** (1894) 244; Ridl. in Journ. Str. Branch Roy. As. Soc. **46** (1906) 224; Gibbs in Journ. Linn. Soc. Bot. **42** (1914) 174.

British North Borneo, Mount Kinabalu, *Haviland 1398, Gibbs 4190, 4195, Haslam!, Topping 1699!, Clemens 10609!, 10707!* Endemic.

2. **Scirpus erectus** Poir. in Lam. Encycl. 6 (1804) 761. *Scirpus debilis* Pursh; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 224.

Sarawak, *Ridley*. Warmer parts of the World.

3. **Scirpus grossus** Linn. f. Suppl. (1781) 104.

Sarawak, *Foxworthy 77!* India to Malaya.

4. **Scirpus inundatus** Poir. in Lam. Encycl. Suppl. 5 (1817) 103; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 244; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 224.

British North Borneo, Mount Kinabalu, *Haviland 1397, Clemens 10042!* Philippines, Norfolk Island, Queensland, Tasmania, New Zealand. The Bornean form is identical with *Schoenoplectus merrillii* Palla of the Philippines.

5. **Scirpus mucronatus** Linn. Sp. Pl. (1753) 50; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 224.

Sarawak, *Ridley, Hose*; British North Borneo, *Clemens 11204!* Southern Europe to Australia.

6. **Scirpus pakapakensis** Stapf ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 174.

British North Borneo, Mount Kinabalu, *Gibbs 4277, Clemens 10706!* Endemic.

1. **Eleocharis afflata** Steud. Syn. Cyp. (1855) 76; Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 80.

British North Borneo, *Topping 1527!* India to Java and the Philippines.

2. **Eleocharis capitata** (Linn.) R. Br. Prodr. (1810) 225; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 223.

Labuan, *Hose*; British North Borneo, *Topping 1444!* Most warm countries.

3. **Eleocharis plantaginoidea** (Rottb.) W. F. Wight in Contr. U. S. Nat. Herb. 9 (1905) 268. *Eleocharis plantaginea* R. Br.; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 223.

Sarawak, *Hose*. Tropics of the Old World.

4. **Eleocharis setacea** (Retz.) R. Br. Prodr. (1810) 224. *Eleocharis chaetaria* R. and S. Syst. 2 (1817) 154; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 223; Winkler in Engl. Bot. Jahrb. 44 (1910) 524.

Sarawak, *Ridley, Hose*; Dutch Borneo, *Winkler 2556, 3371!* British North Borneo, *Ridley*. Pantropic.

5. *Eleocharis variegata* Kunth Enum. 2 (1837) 153; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 223; Winkler, in Engl. Bot. Jahrb. 44 (1910) 524.

Sarawak, *Ridley, Hose*; Dutch Borneo, *Winkler 3298*; British North Borneo, *Topping 1445!*, *Clemens 9716!* India to Polynesia.

1. *Fimbristylis acuminata* Vahl Enum. 2 (1806) 285; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 223.

Sarawak, *Miss Hose*; British North Borneo *Hose*. India to Australia.

2. *Fimbristylis annua* (All.) R. and S. var. *diphylla* (Vahl) Kukenth. *Frimbristylis diphylla* Vahl. Enum. 2 (1806) 289; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 224; Winkler in Engl. Bot. Jahrb. 44 (1910) 524; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 175.

Dutch Borneo, *Winkler 2696, 3393, 2933, 3425*; Sarawak, "everywhere" *Ridley*; British North Borneo, *Gibbs 278, 2747, 2949, Topping 1407!*, *Clemens 9646!*, *9647!*, *10045!*, *10287!* *Haslam!*

Var. *pluristriata* Clarke in Hook. f. Fl. Brit. Ind. 6 (1893) 637; Ridl. l. c.

Sarawak, *Ridley*. All warm countries.

3. *Fimbristylis complanata* (Retz.) Link Hort. Berol. 1 (1827) 292; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 176.

British North Borneo, *Gibbs 4353*. All warm regions.

4. *Fimbristylis dura* (Zoll. and Mor.) Merr. in Philip. Journ. Sci. 11 (1916) Bot. 53. *Fimbristylis asperrima* Boeck.; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 224; Winkler in Engl. Bot. Jahrb. 44 (1910) 524; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 175.

Sarawak, *Foxworthy 325!*, *Native collector 670!* *Bur. Sci.* Ceylon to Malaya.

5. *Fimbristylis ferruginea* (Linn.) Vahl Enum. 2 (1806) 219; Becc. Nelle Foreste di Borneo (1902) 593.

Sarawak, *Beccari*; British North Borneo, *Clemens 9675!* All warm regions.

6. *Fimbristylis fusca* (Nees) Benth. ex Clarke in Hook. f. Fl. Brit. Ind. 6 (1893) 649; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 224.

Labuan, *Hose, Ridley*. India to China and Malaya.

7. *Fimbristylis fuscooides* C. B. Clarke in Kew Bull. Add. Series 8 (1908) 25.

Borneo, *Barber*. Cochinchina.

8. **Fimbristylis globulosa** (Retz.) Kunth Enum. 2 (1837) 231; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 224; Winkler in Engl. Bot. Jahrb. 44 (1910) 524.

Sarawak, *Hose*, *Native collector* 445! 2449! *Bur. Sci.*; Dutch Borneo *Winkler* 3296; British North Borneo, *Yates* 54! India to Polynesia.

9. **Fimbristylis lacei** Turrill in Kew Bull. (1911) 348; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 176.

British North Borneo, *Gibbs* 2771. Burma.

10. **Fimbristylis leptoclada** Benth. Fl. Hongk. (1861) 393; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 224.

Borneo, fide *Clarke* in Hook. f. Fl. Brit. Ind. 7: 647; British North Borneo, *Topping* 1949! Ceylon, Malay Peninsula, southern China, Philippines.

11. **Fimbristylis miliacea** (Burm.) Vahl Enum. 2 (1806) 287; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 224; Winkler in Engl. Bot. Jahrb. 44 (1910) 524; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 175.

Sarawak, "everywhere" *Ridley*, *Native collector* 397! *Bur. Sci.*; Dutch Borneo, *Winkler* 2558, 2769; British North Borneo, *Gibbs* 2785, 2751, *Topping* 1947! All warm countries.

12. **Fimbristylis nutans** (Retz.) Vahl Enum. 2 (1806) 285; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 223.

Sarawak, and Labuan, *Hose*; British North Borneo, *Topping* 1948! *Clemens* 9517!

13. **Fimbristylis pauciflora** R. Br. Prodr. (1810) 225; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 223.

Sarawak, *Ridley*, *Miss Hose*, *Hullett*!; British North Borneo, *Foxworthy* 612!, *Villamil* 292! *Topping* 1404!, 1921!, *Clemens* 9459! 10042! Southern Asia to Australia.

14. **Fimbristylis polytrichoides** (Retz.) Vahl Enum. 2 (1806) 248; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 223.

Sarawak, *Miss Hose*. Tropics of the Old World.

15. **Fimbristylis schoenoides** (Retz.) Vahl Enum. 2 (1806) 286; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 223.

Sarawak, and Labuan, *Hose*; Sarawak, *Native collector* 2367! *Bur. Sci.*; British North Borneo, *Ridley*. Southern Asia to tropical Australia.

16. **Fimbristylis spathacea** Roth. Nov. Pl. Sp. (1821) 24; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 224.

Sarawak, *Miss Hose*. Warmer parts of both hemispheres.

17. **Fimbristylis tenera** R. and S. Syst. Mant. 2 (1824) 57, var. **obtusata** C. B. Clarke in Hook. f. Fl. Brit. Ind. 6 (1893) 642; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 224.

Sarawak, *Miss Hose*. India and tropical Africa, the variety Bengal to Borneo.

1. **Bulbostylis barbata** (Rottb.) Kunth Enum. 2 (1837) 208; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 224.

Sarawak, *Miss Hose*; Labuan, *Merrill*! Warmer parts of both hemispheres.

1. **Lepidosperma chinense** Nees and Meyen in Nov. Act. Acad. Nat. Cur. 19 (1843) Suppl. 1: 117; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 179. **Cladium borneense** C. B. Clarke ex Stapf in Trans. Linn. Soc. Bot. 4 (1894) 245.

British North Borneo, Mount Kinabalu, *Low, Gibbs 4037, Clemens 10884! 10968!* Southern China and the Malay Peninsula.

1. **Schoenus apogon** R. and S. Syst. 2 (1817) 77; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 245; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 225.

British North Borneo, *Low, Haviland 1395, 1396.* Liu Kiu Islands, Queensland, and Tasmania.

2. **Schoenus kinabaluensis** Stapf ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 176.

British North Borneo, *Gibbs 4188, 4198, Haslam!, Clemens 10629!* Endemic.

3. **Schoenus melanostachyus** R. Br. Prodr. (1810) 231; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 245; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 225; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 177.

British North Borneo, *Haviland 1407, Gibbs 4038.* Mindoro, Queensland, New South Wales.

1. **Cladium micranthes** C. B. Clarke in Kew Bull. Add. Series 8 (1908) 46.

Borneo, *Motley 574.* Endemic.

2. **Cladium undulatum** Thw. Enum. Pl. Zeyl. (1859-64) 353; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 225.

Labuan, *Ridley, Hose.* Ceylon to Malaya and Australia.

1. **Vincentia malesica** Stapf ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 178. **Cladium samoense** C. B. Clarke ex Stapf in Trans. Linn. Soc. Bot. 4 (1894) 245; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 225, as to the Bornean plant.

British North Borneo, Mount Kinabalu, *Haviland* 1406, 1405, *Gibbs* 4278, *Clemens* 10576!, 10608!, *Topping* 1739! Sumatra, Philippines.

1. **Remirea maritima** Aubl. Pl. Guian. 1 (1775) 45. t. 16; Boeck. in *Linnaea* 35 (1868) 436; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 225.

Sarawak, *Hose*. Pantropic on sandy seashores.

1. **Rhynchospora corymbosa** (Linn.) Britt. in Trans. N. Y. Acad. Sci. 11 (1892) 84. *Rhynchospora aurea* Vahl; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 225; Winkler in Engl. Bot. Jahrb. 44 (1910) 525; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 181.

Sarawak, *Haviland*!, *Hose*, *Native collector* 316!, 331!, 991!, 2455! *Bur. Sci.*, *Foxworthy* 76!; Dutch Borneo, *Winkler* 3299; British North Borneo, *Gibbs* 2821, *Clemens* 9719! Pantropic.

2. **Rhynchospora glauca** Vahl Enum. 2 (1806) 233; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 225. *Rhynchospora chinensis* Boeck.; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 181.

Sarawak, *Hose*; British North Borneo, *Gibbs* 3000. India to Madagascar, China, Japan, the Philippines, and Hawaii.

3. **Rhynchospora malesica** C. B. Clarke in Hook. f. Fl. Brit. Ind. 6 (1893) 670; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 225.

Borneo, fide *Clarke* l. c. Malay Peninsula.

4. **Rhynchospora rubra** (Lour.) Makino in Bot. Mag. Tokyo 17 (1903) 180. *Rhynchospora wallichiana* Kunth; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 225; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 181 (*wallichii*).

Sarawak, *Miss Hose*; British North Borneo, *Gibbs* 2775, 2948, *Clemens* 9804!, 11150! Warmer parts of the Old World.

1. **Lophoschoenus urvilleanus** (Gaudich.) Stapf ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 180.

British North Borneo, *Gibbs* 4094, *Clemens* 10960!, 10938!, 10897! Waigiou.

1. **Gahnia javanica** Moritzi Syst. Verz. Zoll. Pfl. (1845) 98; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 225; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 181.

Sarawak, *Ridley*, *Hose*, *Foxworthy* 385!, *Native collector* 667!, 1640! *Bur. Sci.*; British North Borneo, *Gibbs* 4160, *Clemens* 10709!, 10964!, 11087! Malay Peninsula and Archipelago to Fiji.

2. **Gahnia tristis** Nees in *Linnaea* 9 (1834) 301; Hook and Arn. Bot. Beechy's Voy (1841) 228; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 225; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 181.

British North Borneo, *Hose*, *Gibbs* 4344, *Foxworthy* 611! Southern China and the Malay Peninsula.

1. **Scirpodendron ghaeri** (Gaertn.) Merr. in Philip. Journ. Sci. 9 (1914) Bot. 268. *Scirpodendron costatum* Kurz; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 227.

Sarawak, *Hose*; British North Borneo, *Ridley*. Ceylon to Samoa.

1. **Lepironia mucronata** L. C. Rich. in Pers. Syn. 1 (1805) 70; Kurz in Flora 27 (1869) 438; Miq. Ill. Fl. Archip. Ind. (1870) 60, t. 20; Scheff. in Nat. Tijdschr. Nederl. Ind. 34 (1874) 89; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 227.

Dutch Borneo, *Motley*; Labuan, *Merrill*!; British North Borneo, *Clemens* 9723! Ceylon to Madagascar, Malaya, Queensland, and Polynesia.

1. **Mapania borneensis** Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 78.

British North Borneo, *Clemens* 10785! Endemic.

2. **Mapania debilis** C. B. Clarke ex Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 227; Kew Bull. Add. Series 8 (1908) 53.

Sarawak, *Ridley* 12344. Endemic.

3. **Mapania foxworthyi** Merr. in Philip. Journ. Sci. 11 (1916) Bot. 53.

Sarawak, *Foxworthy* 392! Endemic; to be compared critically with *Mapania kurzii* C. B. Clarke.

4. **Mapania humilis** (Hassk.) F.-Vill. Novis. App. Fl. Filip. (1882) 309; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 227.

Sarawak, *Ridley*, *Native collector* 827!, 990! *Bur. Sci.* Malay Peninsula and Archipelago and the Philippines.

5. **Mapania longa** C. B. Clarke in Hook. f. Fl. Brit. Ind. 6 (1894) 683.

Borneo, fide *Clarke* l. c. Malay Peninsula.

6. **Mapania longiflora** C. B. Clarke in Kew Bull. Add. Series 8 (1908) 84.

Dutch Borneo, *Motley* 1192. Endemic.

7. **Mapania montana** Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 206; Merr. op. cit. 76 (1917) 79.

British North Borneo, *Haviland 1801, Clemens 9945!, 10872!, 11092!, 10870!* Endemic.

8. **Mapania petiolata** C. B. Clarke in Kew Bull. Add. Series 8 (1908) 54.

Sarawak, *Ridley*. Singapore.

9. **Mapania platyphylla** Merr. in Philip. Journ. Sci. 11 (1916) Bot. 54.

Sarawak, *Native collector 993 Bur. Sci.!* Endemic.

10. **Mapania radians** C. B. Clarke ex Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 226; Kew Bull. Add. Series 8 (1908) 53.

Sarawak, *Ridley 12342!* Endemic.

11. **Mapania tenuiscapa** C. B. Clarke in Hook. f. Fl. Brit. Ind. 6 (1894) 363; Ridl. Mater. Fl. Malay. Penin. 3 (1907) 105.

Borneo, fide *Ridley* l. c. Malay Peninsula and Sumatra.

12. **Mapania triquetra** Ridl. in Journ. Str. Branch Roy. As. Soc. 41 (1904) 51, 46 (1906) 227; Winkler in Engl. Bot. Jahrb. 44 (1910) 525.

Sarawak, *Ridley*; Dutch Borneo, *Winkler 2865*. Malay Peninsula, Penang.

13. **Mapania versicolor** Becc. Nelle Foreste di Borneo (1902) 517.

Sarawak, *Beccari 27, 1414*. No description of this has been published, *Mapania versicolor* Becc. being a *nomen nudum*.

14. **Mapania wallichii** C. B. Clarke in Hook. f. Fl. Brit. Ind. 6 (1894) 682.

Borneo, fide *Clarke* l. c. Malay Peninsula.

15. **Mapania zeylanica** (Thw.) Benth. ex Clarke in Hook. f. Fl. Brit. Ind. 6 (1894) 682; Winkler in Engl. Bot. Jahrb. 44 (1910) 525.

Borneo, fide *Clarke* l. c.; Dutch Borneo, *Winkler 2585*; Sarawak, *Native collector 350! Bur. Sci. (?)* India and Ceylon.

1. **Thoracostachyum bancanum** (Miq.) Kurz in Journ. As. Soc. Beng. 38|2 (1869) 75; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 226. *Hypolytrum borneense* Kurz in Journ. As. Soc. Beng. 38|2 (1869) 74, Flora (1869) 436; Miq. III. Fl. Archip. Ind. (1871) 59; Scheff. in Nat. Tijdschr. Ned. Ind. 34 (1874) 88.

Labuan, *Barber*; Sarawak, *Ridley 12339, Native collector 671!, 1289!, 1290! Bur. Sci.* Malay Peninsula and Archipelago.

2. **Thoracostachyum dichromenoides** Ridl. ex Winkler in Engl. Bot. Jahrb. 44 (1910) 525.

Dutch Borneo, *Winkler 3297*. Sumatra.

3. **Thoracostachyum ridleyi** C. B. Clarke ex Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 226, Kew Bull. Series 8 (1908) 53.

Sarawak, *Ridley 12346*. Endemic.

1. **Scleria bancana** Miq. Fl. Ind. Bat. Suppl. (1862) 602; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 228; Winkler in Engl. Bot. Jahrb. 44 (1910) 526; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 182.

Sarawak, common fide *Ridley*, Dutch Borneo, *Winkler 2991*; British North Borneo, *Gibbs 2978*, *Topping 1403!*, *Yates 65!* Tonkin, Malay Peninsula, Banca, Palawan, Amboina.

2. **Scleria hebecarpa** Nees in Linnaea 9 (1834) 303; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 182.

British North Borneo, *Gibbs 2774*. India to Australia and Polynesia.

3. **Scleria laevis** Retz. Obs. 4 (1786) 13; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 228; Winkler in Engl. Bot. Jahrb. 44 (1910) 526.

Sarawak, *Ridley*; Dutch Borneo, *Winkler 2972*; British North Borneo, *Topping 1408!* India to southern China and Java.

4. **Scleria lithosperma** Sw. Prodr. (1788) 18; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 227; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 182.

British North Borneo, *Hose*, *Gibbs 2689*, *Clemens 9550!* Tropical Asia, Malaya, and America.

5. **Scleria motleyi** C. B. Clarke in Philip. Journ. Sci. 2 (1907) Bot. 104. *Scleria trigonocarpa* Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 228, *nomen nudum*, Mater. Fl. Malay Penin. 1 (1907) 110.

Dutch Borneo, *Motley*; British North Borneo, *Ridley*, *Hose*, *Baker!*, *Clemens 9523!* Malay Peninsula, Philippines.

6. **Scleria multifoliata** Boeck. in Linnaea 38 (1874) 50; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 228.

Sarawak, *Hose*. India to Malaya.

7. **Scleria neesii** Kunth Enum. 2 (1837) 358; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 227, var. **borneensis** C. B. Clarke ex Ridl. Mater. Fl. Malay Penin. 3 (1907) 115.

Borneo, fide *Clarke* in Hook. f. Fl. Brit. Ind. 6: 689. Ceylon and the Malay Peninsula.

8. *Scleria oryzoides* Presl Rel. Haenk. 1 (1828) 201.

British North Borneo, *Topping 1920!*, *Clemens 9691!* India to Malaya.

9. *Scleria purpureo-vaginata* Boeck. in Engl. Bot. Jahrb. 5 (1884) 513; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 182.

British North Borneo, *Gibbs 2665*. Philippines.

10. *Scleria sumatrensis* Retz. Obs. 5 (1789) 19, t. 2; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 228; Winkler in Engl. Bot. Jahrb. 44 (1910) 525.

Sarawak, *Miss Hose, Ridley, Native collector 1287!*, *1664!*, *2049!* *Bur. Sci.*; Labuan, *Ridley*; Dutch Borneo, *Winkler 2895*; British North Borneo, *Villamil 142!*, *323!*, *Clemens 9740!*, *Topping 1418!*, *Yates 69!* India to Java and the Philippines.

11. *Scleria zeylanica* Poir. in Lam. Encycl. 7 (1808) 3; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 227.

Sarawak, *Miss Hose*. Ceylon to Tenasserim and the Malay Peninsula.

1. *Diplacrum caricinum* R. Br. Prodr. (1810) 24f; Rendle in Journ. Bot. 39 (1910) 179. *Scleria caricina* Benth.; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 227.

Sarawak, *Hose 348!*; British North Borneo, *Clemens 11163!*, *11164!* India to southern China southward to Australia.

1. *Carex cruciata* Wahl. in Vet. Akad. Nya Handl. Stockh. 24 (1803) 419; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 182.

British North Borneo, *Gibbs 4093*. India to Madagascar, southern China and the Philippines.

2. *Carex filicina* Nees in Wight Contrib. Bot. Ind. (1834) 123.

British North Borneo, *Clemens 10889!*, *10885!*, *10178!*, *Topping 1549!*

Var. *saturata* (C. B. Clarke) Kukenth. in Engl. Pflanzenreich 38 (1909) 275. *Carex filicina* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 246; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 182, non Nees. *Carex saturata* C. B. Clarke in Journ. Linn. Soc. Bot. 37 (1904) 12; Gibbs op. cit. 42 (1914) 182; Kew Bull. Add. Series 8 (1908) 73; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 228.

British North Borneo, *Haviland 1402*, *Gibbs 4004*, *Clemens 10705!*, *10578!* Sumatra, Java, Philippines, the species India to China and Malaya.

3. *Carex fusiformis* Nees in Wight. Contrib. (1834) 128, var. *borneensis* (C. B. Clarke) Kukenth. in Engl. Pflanzenreich 38 (1909) 598. *Carex fusiformis* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 246, non Nees. *Carex borneensis* C. B. Clarke in Journ. Linn. Soc. Bot. 37 (1904) 14, Kew Bull. Add. Series 8 (1908) 76; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 228; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 183.

British North Borneo, *Haviland 1404, Gibbs 4070, 4097, Haslam!* The variety endemic, the species Indian with a variety in southern China.

4. *Carex hypsophila* Miq. Fl. Ind. Bat. 3 (1857) 354, var. *havilandii* (C. B. Clarke) Kukenth. in Engl. Pflanzenreich 38 (1909) 546. *Carex hypsophila* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 246; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 183, non Miq. *Carex havilandii* C. B. Clarke in Journ. Linn. Soc. Bot. 37 (1904) 13; Kew Bull. Add. Series 8 (1908) 74; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 228.

British North Borneo, *Haviland 1403, Gibbs 4230, 4243, 4144, 4191, Clemens 10606!, 10615!* Malay Archipelago, the variety endemic.

5. *Carex indica* Linn. Mant. 2 (1771) 574, var. *fissilis* (Boott.) Kukenth. in Engl. Pflanzenreich 38 (1909) 264. *Carex dietrichiae* Boeck. in Flora 58 (1875) 122; C. B. Clarke in Journ. Linn. Soc. Bot. 37 (1904) 8; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 228; Winkler in Engl. Bot. Jahrb. 44 (1910) 526.

Sarawak, *Creagh, Beccari 2741, Native collector 2078!* *Bur. Sci.*; Dutch Borneo, *Winkler 3164.* Malay Peninsula and Archipelago to northern Australia and Fiji.

6. *Carex kinabaluensis* Stapf ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 183, *fig.*

British North Borneo, *Gibbs 4240.* Endemic.

7. *Carex rara* Boott in Proc. Linn. Soc. 1 (1845) 284, Trans. Linn. Soc. 20 (1846) 139; Stapf op. cit. Bot. 4 (1894) 246; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 228; Kukenth. in Engl. Pflanzenreich 38 (1909) 102, *fig. 21 N, O.*

British North Borneo, *Haviland 1402, Gibbs 4196.* India to Japan, China, and Luzon.

8. *Carex speciosa* Kunth Enum. 2 (1837) 504; C. B. Clarke in Journ. Linn. Soc. Bot. 37 (1904) 14; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 228; Kukenth. in Engl. Pflanzenreich 38 (1909) 481.

Dutch Borneo, *Motley 1222 (or 1922).* India to Indo-China.

Palmae.

1. **Licuala amplifrons** Miq. Fl. Ind. Bat. Suppl. (1862) 591; Becc. Malesia 3 (1886) 71.
Borneo, fide *Beccari*. Sumatra.
2. **Licuala arbuscula** Becc. Malesia 3 (1886) 79; Winkler in Engl. Bot. Jahrb. 48 (1912) 90.
Sarawak, *Beccari* 2432; Dutch Borneo, *Winkler* 3071, *Jaheri* 1578. Endemic.
3. **Licuala bidentata** Becc. Malesia 3 (1886) 80.
Sarawak, *Beccari* 2132, *Native collector* 1609!, 2253! *Bur. Sci.* Endemic.
4. **Licuala bintulensis** Becc. Malesia 3 (1886) 71, 75.
Sarawak, *Beccari* 4032. Endemic.
5. **Licuala borneensis** Becc. Malesia 3 (1886) 85, t. 6.
Sarawak, *Beccari* 4035. Endemic.
6. **Licuala cordata** Becc. Malesia 3 (1886) 84.
Sarawak, *Beccari*. Endemic.
7. **Licuala elegantissima** Ridl. in Gard. Chron. III 35 (1904) 50.
Sarawak, *Micholitz*. Endemic.
8. **Licuala furcata** Becc. Malesia 3 (1886) 72, 82.
Sarawak, *Beccari* 1379. Endemic.
9. **Licuala mattanensis** Becc. Malesia 3 (1886) 86, t. 7.
Sarawak, *Beccari* 2044, 2568, 3646. Endemic.
10. **Licuala micholitzii** Ridl. in Gard. Chron. III 35 (1904) 50.
Sarawak, *Micholitz*. Endemic.
11. **Licuala Olivifera** Becc. Malesia 3 (1886) 78.
Sarawak, *Beccari* 4034. Endemic.
12. **Licuala orbicularis** Becc. Malesia 3 (1886) 83.
Sarawak, *Beccari* 580, 1786. Endemic.
13. **Licuala paludosa** Griff. in Calc. Journ. Nat. Hist. 5 (1845) 233; Becc. ex Winkler in Engl. Bot. Jahrb. 48 (1912) 90.
Dutch Borneo, *Winkler* 3323; Sarawak, *Native collector* 311! *Bur. Sci.* Siam and the Malay Peninsula, Andaman Islands, Billiton.
14. **Licuala petiolulata** Becc. Malesia 3 (1886) 77.
Sarawak, *Beccari* 3985, 3642, 4033, *Foxworthy* 83! Endemic.

15. **Licuala rumphii** Blume Rumphia 2 (1836) 41; Miq. Anal. Bot. Ind. 1 (1850) 6; Fl. Ind. Bat. 3 (1855) 54.

Borneo, fide *Miquel*. Celebes, Boeroe, Java; this may not be distinct from the widely distributed *Licuala spinosa* Wurm. b.

16. **Licuala sarawakensis** Becc. Malesia 3 (1886) 72, 81. Sarawak, *Beccari 24, 1230*. Endemic.

17. **Licuala spathellifera** Becc. Malesia 3 (1886) 71, 76. Sarawak, *Beccari*. Endemic.

18. **Licuala spicata** Becc. Malesia 3 (1886) 88, t. 8. Sarawak, *Beccari 1834*. Endemic.

19. **Licuala spinosa** Wurm. b. in Verh. Bat. Genootsch. 2 (1780) 469; Becc. Malesia 3 (1886) 74; Winkler in Engl. Bot. Jahrb. 48 (1912) 90.

Dutch Borneo, *Winkler 3112*; British North Borneo, *Villamil 369!* Cochinchina to Java, Sumatra, and the Philippines.

20. **Licuala valida** Becc. ex Winkler in Engl. Bot. Jahrb. 48 (1912) 90.

Dutch Borneo, *Jaheri, Winkler 2630*. Endemic.

21. **Licuala veitchii** Wats. in Gard. Chron. (1886) 139; Hook. f. in Curtis's Bot. Mag. III 45 (1889) t. 7053. *Pritchardia grandis* Veitch Cat. (1885) 54.

Introduced into cultivation from Borneo. Endemic.

1. **Livistona rotundifolia** Mart. Hist. Nat. Palm. 3 (1838) 241; Miq. Anal. Bot. Ind. (1850) 6.

Borneo, fide *Miquel*, l. c. Philippines and the Moluccas.

1. **Teysmannia altifrons** Reichb. and Zoll. in Linnaea 28 (1856) 656; Becc. in Nuov. Giorn. Bot. Ital. 2 (1871) 29; Scheff. in Nat. Tijdschr. Nederl. Ind. 34 (1874) 76.

Sarawak, *Beccari 1942, 3645*. Malay Peninsula, Sumatra.

1. **Pholidocarpus majadum** Becc. Malesia 3 (1886) 91, t. 11, f. 1-4.

Sarawak, *Beccari*. Endemic.

1. **Eugeissonia insignis** Becc. in Nuov. Giorn. Bot. Ital. 3 (1871) 22; Scheff. in Nat. Tijdschr. Nederl. Ind. 34 (1874) 74.

Sarawak, *Beccari 2010*. Endemic.

2. **Eugeissonia major** Becc. Malesia 3 (1886) 58.

Dutch Borneo, *Teysmann*. Endemic.

3. **Eugeissonia minor** Becc. in Nuov. Giorn. Bot. Ital. 3 (1871) 18; Scheff. in Nat. Tijdschr. Nederl. Ind. 34 (1874) 73.

Sarawak, *Beccari* 2444. Endemic.

4. **Eugeissonia tristis** Griff. in Calc. Journ. Nat. Hist. 5 (1845) 101; Becc. in Nuov. Giorn. Bot. Ital. 3 (1871) 28; Scheff. in Nat. Tijdschr. Nederl. Ind. 34 (1874) 76.

Sarawak, *Beccari* 3443. Malay Peninsula, Penang.

5. **Eugeissonia utilis** Becc. in Nuov. Giorn. Bot. Ital. 3 (1871) 26; Scheff. in Nat. Tijdschr. Nederl. Ind. 34 (1874) 75.

Sarawak, *Beccari* 3812. Endemic.

1. **Borassus flabellifer** Linn. Sp. Pl. (1753) 187. *Borassus flabelliformis* Murr.; Miq. Fl. Ind. Bat. 3 (1855) 45.

Borneo, fide *Miquel* l. c. India to Malaya.

1. **Metroxylon laeve** Mart.; Becc. Nelle Foreste di Borneo (1902) 595. *Sagus laevis* Rumph.; Miq. Anal. Bot. Ind. 1 (1850) 6.

Borneo, fide *Miquel* and *Beccari*. Perhaps not distinct from *Metroxylon sago* Rottb.

2. **Metroxylon sago** Rottb. Nye Saml. Danske Vidensk. Skrift. 2 (1783) 527, t. 1; Becc. in Nuov. Giorn. Bot. Ital. 3 (1871) 29; Scheff. in Nat. Tijdschr. Nederl. Ind. 34 (1874) 76. *Metroxylon hermaphroditum* Hassk.; Miq. Fl. Ind. Bat. 3 (1855) 147. *Sagus genuina* Rumph.; Miq. Anal. Bot. Ind. 1 (1850) 6. *Sagus rumphii* Mart. Hist. Nat. Palm. 3 (1838) 213, 313, t. 102, 159; Becc. in Nuov. Giorn. Bot. Ital. 3 (1871) 30; Scheff. in Nat. Tijdschr. Nederl. Ind. 34 (1874) 76.

Borneo, *Beccari*. Widely distributed in Malaya; the sago palm.

1. **Zalacca borneensis** Becc. Malesia 3 (1886) 68.

Sarawak, *Beccari*. Endemic.

2. **Zalacca conferta** Griff. in Calcutta Journ. Nat. Hist. 5 (1845) 16; Becc. Malesia 3 (1886) 67.

Sarawak, *Beccari* 249. Malay Peninsula.

3. **Zalacca vermicularis** Becc. Malesia 3 (1886) 66.

Sarawak, *Beccari* 2011. Endemic.

1. **Korthalsia angustifolia** Blume Rumphia 2 (1836) 172; Mart. Hist. Nat. Palm. 3 (1836-50) 211; Miq. Anal. Bot. Ind. 1 (1850) 3, Fl. Ind. Bat. 3 (1855) 77; Walp. Ann. 5 (1858) 833.

Dutch Borneo, *Korthals*, *Muller*.

Var. **gracilis** Miq.; Palm. Archip. Ind. (1868) 16; Becc. Malesia 2 (1884) 70.

Borneo, fide *Blume*. Sumatra.

2. **Korthalsia cheb** Becc. Malesia 2 (1884) 67.
Sarawak, *Beccari*. Endemic.
3. **Korthalsia debilis** Blume, Becc. Malesia 2 (1884) 70.
Sarawak, *Beccari* 1914. Sumatra.
4. **Korthalsia echinomitra** Becc. Malesia 2 (1884) 66. t. 7.
Sarawak, *Beccari* 1935, *Hewitt!* Malay Peninsula.
5. **Korthalsia ferox** Becc. Malesia 2 (1884) 73.
Sarawak, *Beccari* 1913, 1926. Malay Peninsula.
6. **Korthalsia horrida** Becc. Malesia 2 (1884) 66, t. 6.
Sarawak, *Beccari* 1918. Endemic.
7. **Korthalsia rigida** Blume Rumphia 2 (1836) 167, t. 157;
Mart. Hist. Nat. Palm. 3 (1836-50) 211; Miq. Anal. Bot. Ind. 1
(1850) 3, Fl. Ind. Bat. 3 (1855) 75; Walp. Ann. 3 (1853) 492;
Becc. Malesia 2 (1884) 73.
Dutch Borneo, *Korthals*. Sumatra.
8. **Korthalsia robusta** Blume Rumphia 2 (1836) 170,
t. 157 B; Miq. Anal. Bot. Ind. 1 (1850) 3, Fl. Ind. Bat. 3 (1855)
76; Walp. Ann. 3 (1853) 492; Becc. Malesia 2 (1884) 72;
Winkler in Engl. Bot. Jahrb. 48 (1912) 73.
Dutch Borneo, *Korthals*, *Winkler* 2777. Reported by Blume
also from Sumatra, but probably only Bornean; see *Beccari* ex
Winkler, l. c.
9. **Korthalsia rostrata** Blume Rumphia 2 (1836) 168;
Mart. Hist. Nat. Palm. 3 (1836-50) 211; Miq. Anal. Bot. Ind. 1
(1850) 3, Fl. Ind. Bat. 3 (1855) 75; Walp. Ann. 3 (1853) 492;
Becc. Malesia 2 (1884) 76.
Dutch Borneo, *Muller*. Endemic.
10. **Korthalsia rubiginosa** Becc. Malesia 2 (1884) 72.
Sarawak, *Beccari* 1912. Malay Peninsula.
11. **Korthalsia scaphigera** Mart. Hist. Nat. Palm. 3 (1836-
50) 211; Becc. Malesia 2 (1884) 67, t. 5. *Korthalsia lobbiana* H.
Wendl. in Bot. Zeit. 17 (1859) 174.
Sarawak, *Beccari* 1916, 2443; British North Borneo, *Wood* 442!
• Malay Peninsula, Sumatra, Philippines.
1. **Ceratolobus discolor** Becc. Malesia 3 (1886) 63; Rendle
in Journ. Bot. 39 (1901) 178; Ridl. in Journ. Str. Branch Roy.
As. Soc. 50 (1908) 152.
Sarawak, *Beccari*, *Hewitt*, *Hose* 704. Endemic.
1. **Plectocomia elongata** Mart. in Schultes Syst. 7 (1830)
1333; Miq. Anal. Bot. Ind. 1 (1850) 3.

Borneo, fide *Miquel* l. c. Penang, Sumatra, Java.

2. **Plectocomia minor** Ridl. in Journ. Str. Branch Roy. As. Soc. 50 (1908) 151.

Sarawak, *Hewitt*. Endemic.

3. **Plectocomia mullerii** Blume Rumphia 3 (1844) 71, t. 159; Miq. Anal. Bot. Ind. 1 (1850) 3; Mart. Hist. Nat. Palm. 3 (1836-50) 199; Miq. Fl. Ind. Bat. 3 (1855) 79.

Borneo, *Muller*. Endemic.

Plectocomia hystrix Linden in Ill. Hort. 28 (1881) 32 from "Borneo" is a *nomen nudum*.

1. **Plectocomiopsis** sp. near **geminiflorus**; Beccari ex Winkler in Engl. Bot. Jahrb. 48 (1912) 92.

Dutch Borneo, *Winkler* 2401.

1. **Myrialepis triqueter** Becc. in Ann. Bot. Gard. Calcutta 11|1 (1908) 510. *Calamus triqueter* Becc. Malesia 3 (1886) 62.

Sarawak, *Beccari* 2079. Endemic.

1. **Calamus acuminatissimus** Becc. ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 170.

British North Borneo, *Gibbs* 4349. Endemic.

2. **Calamus bacularis** Becc. Nelle Foreste di Borneo (1902) 609, Rec. Bot. Surv. Ind. 2 (1902) 206, Ann. Bot. Gard. Calcutta 11|1 (1908) 92, 288, t. 107.

Sarawak, *Beccari* 1933, *Haviland* 437. Endemic.

3. **Calamus blumei** Becc. in Rec. Bot. Surv. Ind. 2 (1902) 209, Ann. Bot. Gard. Calcutta 11|1 (1908) 98, 340, t. 137. *Calamus rhomboideus* Blume in R. and S. Syst. 7 (1830) 1332, Rumphia 3 (1847) 60; Miq. Anal. Bot. Ind. 1 (1850) 6, Fl. Ind. Bat. 3 (1855) 134, p.p., as to the Bornean reference.

Dutch Borneo, *Hooper*, *Korthals*. Endemic.

4. **Calamus brachystachys** Becc. in Rec. Bot. Surv. Ind. 2 (1902) 215, Ann. Bot. Gard. Calcutta 11|1 (1908) 118, 485, t. 222.

Sarawak, *Beccari* 1101. Endemic.

5. **Calamus caesius** Blume Rumphia 3 (1847) 57; Mart. Hist. Nat. Palm. 3 (1850) 340; Walp. Ann. 3 (1853) 490; Miq. Anal. Bot. Ind. 1 (1850) 6, Fl. Ind. Bat. 3 (1855) 133; Becc. in Ann. Bot. Gard. Calcutta 11|1 (1908) 110, 426, t. 189; Winkler in Engl. Bot. Jahrb. 48 (1912) 91. *Calamus glaucescens* Blume Rumphia 3 (1847) 65; Walp. Ann. 3 (1853) 489; Miq. Anal. Bot. Ind. 1 (1850) 6, Fl. Ind. Bat. 3 (1855) 116.

Dutch Borneo, *Henrici*, *Winkler* 3324. Malay Peninsula, Sumatra.

6. *Calamus ciliaris* Blume ex R. and S. Syst. 7 (1830) 1350, Rumphia 3 (1847) 34; Ridl. Mater. Fl. Malay Penins. 2 (1907) 203. Beccari, Ann. Bot. Gard. Calcutta 11|1 (1908) 327 doubts if the Bornean specimen referred here by Blume is correctly placed.

Java, Sumatra, Malay Peninsula.

7. *Calamus corrugatus* Becc. in Rec. Bot. Surv. Ind. 2 (1902) 201, Ann. Bot. Gard. Calcutta 11|1 (1908) 78, 187, t. 43.

Sarawak, Beccari 1910, Lobb. Endemic.

8. *Calamus diepenhorstii* Miq. in Journ. Bot. Neerl. 1 (1861) 21; Becc. in Rec. Bot. Surv. Ind. 2 (1902) 208, Ann. Bot. Gard. Calcutta 11|1 (1908) 96, 322, t. 126.

Borneo? Lobb. (It is very probable that Lobb's specimen was from the Malay Peninsula, not from Borneo). Malay Peninsula, Sumatra, Palawan.

9. *Calamus erioacanthus* Becc. Nelle Foreste di Borneo (1902) 610, Rec. Bot. Surv. Ind. 2 (1902) 213, Ann. Bot. Gard. Calcutta 11|1 (1908) 110, 424, t. 187.

Sarawak, Beccari 1919, 1934. Endemic.

10. *Calamus ferrugineus* Becc. in Rec. Bot. Surv. Ind. 2 (1902) 216 (excl. descr. of leaves), Ann. Bot. Gard. Calcutta 11|1 (1908) 119, 488, t. 225.

Sarawak, Beccari 563, Lobb. Endemic.

11. *Calamus filiformis* Becc. Nelle Foreste di Borneo (1902) 609, Rec. Bot. Surv. Ind. 2 (1902) 201, Ann. Bot. Gard. Calcutta 11|1 (1908) 78, 186, t. 42.

Sarawak, Beccari 1909, Lobb. Endemic.

12. *Calamus flabellatus* Becc. Malesia 3 (1886) 62, Rec. Bot. Surv. Ind. 2 (1902) 201, Ann. Bot. Gard. Calcutta 11|1 (1908) 76, 176, t. 37.

Sarawak, Beccari 1911. Endemic.

13. *Calamus gibbsianus* Becc. ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 170.

British North Borneo, Gibbs 4348. Endemic.

14. *Calamus gonospermus* Becc. in Rec. Bot. Surv. Ind. 2 (1902) 202, Ann. Bot. Gard. Calcutta 11|1 (1908) 78, 190, t. 46.

Sarawak, Beccari 23. Endemic.

15. *Calamus heteroideus* Blume Rumphia 3 (1847) 46; Miq. Fl. Ind. Bat. 3 (1855) 119.

Borneo, fide *Miquel*, l. c. Java; the Bornean reference may be based on an erroneously identified specimen.

16. *Calamus hispidulus* Becc. in Rec. Bot. Surv. Ind. 2 (1902) 209, Ann. Bot. Gard. Calcutta 11|1 (1908) 97, 332, t. 131.

Sarawak, *Beccari* 2821. Endemic.

17. *Calamus javensis* Blume Rumphia 3 (1847) 63, t. 137
D. Var. *acicularis* Becc. in Ann. Bot. Gard. Calcutta 11|1 (1908) 78, 185, t. 41.

Sarawak, *Hullett*.

Var. *sublaevis* Becc. in Ann. Bot. Gard. Calcutta 11|1 (1908) 77, 184, t. 40.

Sarawak, *Beccari* 1694.

Var. *tetrastachyus* (Blume) Becc. in Rec. Bot. Surv. Ind. 2 (1902) 20, Ann. Bot. Gard. Calcutta 11|1 (1908) 77, 182, t. 38; Winkler in Engl. Bot. Jahrb. 48 (1912) 91. *Calamus tetrastachyus* Blume Rumphia 3 (1847) 62, t. 153; Walp. Ann. 3 (1853) 488, 5 (1858) 831; Miq. Fl. Ind. Bat. 3 (1855) 126. *Calamus borneensis* Miq. Anal. Bot. Ind. 1 (1850) 4, Fl. Ind. Bat. 3 (1855) 126. *Calamus amplexens* Becc. Malesia 2 (1884) 78.

Sarawak, *Beccari*, *Native collector* 1590! *Bur. Sci.*; Dutch Borneo, *Muller*, *Motley*. The species, and other varieties in Java, Sumatra and the Malay Peninsula.

18. *Calamus lobbianus* Becc. in Hook, f. Fl. Brit. Ind. 6 (1893) 462; Ridl. Mater. Fl. Malay Penin. 2 (1907) 204.

Borneo, fide *Ridley* l. c. Malay Peninsula.

19. *Calamus luridus* Becc. in Hook, f. Fl. Brit. Ind. 6 (1893) 445; Ridl. Mater. Fl. Malay Penin. 2 (1907) 198.

Borneo, fide *Ridley* l. c. Malay Peninsula.

20. *Calamus marginatus* Mart. Hist. Nat. Palm. 3 (1850) 342; Walp. Ann. 3 (1853) 491; Miq. Anal. Bot. Ind. 1 (1850) 6, Fl. Ind. Bat. 3 (1855) 138; Becc. in Rec. Bot. Surv. Ind. 2 (1902) 208, Ann. Bot. Gard. Calcutta 11|1 (1908) 97, 326; Winkler in Engl. Bot. Jahrb. 48 (1912) 91. *Daemonorops marginatus* Blume Rumphia 3 (1847) 24.

Sarawak, *Beccari* 1906; Dutch Borneo, *Winkler* 3324. Endemic.

21. *Calamus mattanensis* Becc. in Rec. Bot. Surv. Ind. 2 (1902) 216, Ann. Bot. Gard. Calcutta 11|1 (1908) 113, 449, t. 202.

Sarawak, *Beccari* 1905. Endemic.

22. *Calamus mucronatus* Becc. in Rec. Bot. Surv. Ind. 2 (1902) 213, Ann. Bot. Gard. Calcutta 11|1 (1908) 109, 420, t. 185.

Sarawak, *Beccari* 829, 1904, *Lobb*. Endemic.

23. **Calamus muricatus** Becc. Nelle Foreste di Borneo (1902) 609, Rec. Bot. Surv. Ind. 2 (1902) 203, Ann. Bot. Gard. Calcutta 11|1 (1908) 75, 172, t. 33.

Sarawak, *Beccari 1928, Native collector 1470!* Bur. Sci. Endemic.

24. **Calamus myriacanthus** Becc. in Rec. Bot. Surv. Ind. 2 (1902) 214, Ann. Bot. Gard. Calcutta 11|1 (1908) 87, 250, t. 85.

Sarawak, *Beccari 3698.* Endemic.

25. **Calamus nematospadix** Becc. in Rec. Bot. Surv. Ind. 2 (1902) 204, Ann. Bot. Gard. Calcutta 11|1 (1908) 83, 228, t. 71.

Sarawak, *Beccari 1000, 2760, 1927, Native collector 1469!, 541!* Bur. Sci. Endemic.

26. **Calamus optimus** Becc. Nelle Foreste di Borneo (1902) 610, Rec. Bot. Surv. Ind. 2 (1902) 211, Ann. Bot. Gard. Calcutta 11|1 (1908) 110, 425.

Sarawak, *Beccari 1907, 1917.* Endemic.

27. **Calamus ornatus** Blume var. **mitis** Becc. in Rec. Bot. Surv. Ind. 2 (1902) 215, Ann. Bot. Gard. Calcutta 11|1 (1908) 102, 370, t. 154.

Sarawak, *Beccari 985, 1937.* The species and other varieties Malay Peninsula to Java, Sumatra, and the Philippines.

28. **Calamus paspalanthus** Becc. in Hook. f. Fl. Brit. Ind. 6 (1893) 450, Rec. Bot. Surv. Ind. 2 (1902) 207, Ann. Bot. Gard. Calcutta 11|1 (1908) 93, 295, t. 112.

Sarawak, *Beccari 1922, Ridley 12403.*

Var. **pterospermus** Becc. ex Winkler in Engl. Bot. Jahrb. 48 (1912) 91.

Dutch Borneo, *Winkler 2882.* Malay Peninsula (a variety).

29. **Calamus penicellatus** Roxb. Fl. Ind. 3 (1832) 781; Ridl. Mater. Fl. Malay Penin. 2 (1907) 191.

Borneo, fide *Ridley*, l. c. A species of very uncertain status, perhaps identical with one of the varieties of *Calamus javensis* Blume. Malay Peninsula and Java, fide *Ridley*.

30. **Calamus pilosellus** Becc. in Rec. Bot. Surv. Ind. 2 (1902) 208, Ann. Bot. Gard. Calcutta 11|1 (1908) 97, 333, t. 132.

Sarawak, *Lobb 7853.* Endemic.

31. **Calamus pogonacanthus** Becc. ex Winkler in Engl. Bot. Jahrb. 48 (1912) 91.

Dutch Borneo, *Winkler 2928.* Endemic.

32. *Calamus pulcher* Miq. Anal. Bot. Ind. 1 (1850) 3, Fl. Ind. Bat. 3 (1855) 120; Becc. in Rec. Bot. Surv. Ind. 2 (1902) 217, Ann. Bot. Gard. Calcutta 11|1 (1908) 502.

Dutch Borneo, fide *Miquel*; a species of doubtful status. Endemic.

33. *Calamus pygmaeus* Becc. Malesia 3 (1886) 62, Rec. Bot. Surv. Ind. 2 (1902) 205, Ann. Bot. Gard. Calcutta 11|1 (1908) 87, 252.

Sarawak, *Beccari 1924, Hewitt!*, *Native collector 662!*; 1595 *Bur. Sci.* Endemic.

34. *Calamus robustus* Linden & Rodigas in Ill. Hort. (1893) 19, t. 169; Kew Bull Add. Series 4 (1900-67).

Introduced into cultivation from Borneo. Endemic.

35. *Calamus ruvidus* Becc. in Rec. Bot. Surv. Ind. 2 (1902) 202, Ann. Bot. Gard. Calcutta 11|1 (1908) 75, t. 31.

Sarawak, *Lobb.* Endemic.

36. *Calamus sabensis* Becc. in Ann. Bot. Gard. Calcutta 11|1 (1908) 245, t. 81.

Sarawak, *Ridley 9038.* Endemic.

37. *Calamus sarawakensis* Becc. in Rec. Bot. Surv. Ind. 2 (1902) 208, Ann. Bot. Gard. Calcutta 11|1 (1908) 97, 335, t. 133.

Sarawak, *Beccari 1920.* Endemic.

38. *Calamus schistoacanthus* Blume Rumphia 3 (1847) 49; Walp. Ann. 3 (1853) 49, 5 (1858) 830; Miq. Fl. Ind. Bat. 3 (1855) 122; Becc. in Rec. Bot. Surv. Ind. 2 (1902) 201, Ann. Bot. Gard. Calcutta 11|1 (1908) 196, t. 52.

Dutch Borneo, *Korthals.* Sumatra.

39. *Calamus scipionum* Lour. Fl. Cochinch. (1790) 210; Becc. in Rec. Bot. Surv. Ind. 2 (1902) 215, Ann. Bot. Gard. Calcutta 11|1 (1908) 102, 317, t. 156.

Sarawak, *Low.* Cochinchina, Malay Peninsula, Billiton, Sumatra.

40. *Calamus subinermis* H. Wendl. ex Becc. in Rec. Bot. Surv. Ind. 2 (1902) 212, Ann. Bot. Gard. Calcutta 11|1 (1908) 115, 459, t. 208.

Sarawak, *Low.* Endemic.

41. *Calamus viminalis* Willd. Sp. Pl. 2 (1799) 203; Miq. Anal. Bot. Ind. 1 (1850) 3.

Borneo, fide *Miquel* l. c. India to Cochinchina, the Andaman Islands, and Java.

42. *Calamus winklerianus* Becc. ex Winkler in Engl. Bot. Jahrb. 48 (1912) 91.

Dutch Borneo, *Winkler 3012*. Endemic.

43. *Calamus zonatus* Becc. Nelle Foreste di Borneo (1902) 609; Rec. Bot. Surv. Ind. 2 (1902) 203, Ann. Bot. Gard. Calcutta 11|1 (1908) 75, 173, t. 34.

Sarawak, *Beccari 1921, Lobb*. Endemic.

1. *Daemonorops acamptostachys* Becc. in Ann. Bot. Gard. Calcutta 12|1 (1911) 209, t. 96.

Sarawak, *Ridley 12395, Native collector 822! Bur. Sci.* Endemic.

2. *Daemonorops acantholobus* Becc. in Rec. Bot. Surv. Ind. 2 (1902) 228, Ann. Bot. Gard. Calcutta 12|1 (1911) 192, t. 85, 86.

Sarawak, *Beccari 22, Hewitt, Lobb*. Sumatra.

3. *Daemonorops annulatus* Becc. in Rec. Bot. Surv. Ind. 2 (1902) 227, Ann. Bot. Gard. Calcutta 12|1 (1911) 174, t. 72.

Sarawak, *Burbridge*. Endemic.

4. *Daemonorops asteracanthus* Becc. in Ann. Bot. Gard. Calcutta 12|1 (1911) 227, t. 107.

Borneo, *Teysmann?* Endemic.

5. *Daemonorops collariferus* Becc. in Rec. Bot. Surv. Ind. 2 (1902) 227, Ann. Bot. Gard. Calcutta 12|1 (1911) 183.

Sarawak, *Beccari 1923, Hewitt!* Endemic.

6. *Daemonorops crinitus* Blume Rumphia 3 (1847) 27, t. 136; Walp. Ann. 3 (1853) 479; Miq. Fl. Ind. Bat. 3 (1855) 98; Becc. in Ann. Bot. Gard. Calcutta 12|1 (1911) 172, t. 71. *Calamus crinitus* Miq. Anal. Bot. Ind. 1 (1850) 6.

Dutch Borneo, fide *Blume*, but *Beccari* thinks the record should have been Sumatra.

7. *Daemonorops cristatus* Becc. Nelle Foreste di Borneo (1902) 608, Rec. Bot. Surv. Ind. 2 (1902) 228, Ann. Bot. Gard. Calcutta 12|1 (1911) 190, t. 83.

Sarawak, *Beccari 1925, Lobb, Hewitt*. Endemic.

8. *Daemonorops draconellus* Becc. Nelle Foreste di Borneo (1902) 608, Rec. Bot. Surv. Ind. 2 (1902) 224, Ann. Bot. Gard. Calcutta 12|1 (1911) 108, t. 42.

Sarawak, *Beccari 3644*. Endemic.

The Bornean reference to *Daemonorops draco* Blume given by *Miquel Anal. Bot. Ind. 1* (1850) 6, *Fl. Ind. Bat. 3* (1855) 95,

was probably based on an erroneously identified specimen; the species is known only from Sumatra.

9. **Daemonorops elongatus** Blume Rumphia 3 (1847) 16; Walp. Ann. 3 (1853) 478; Miq. Fl. Ind. Bat. 3 (1855) 92; Anal. Bot. Ind. 1 (1850) 6; Becc. in Ann. Bot. Gard. Calcutta 12|1 (1911) 139, t. 57; Winkler in Engl. Bot. Jahrb. 48 (1912) 92.

Dutch Borneo, *Henrici*, *Motley* 672, 1170, *Winkler* 3011.

Var. **montanus** Becc. ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 169.

British North Borneo, *Gibbs* 2893, 3983. Endemic.

10. **Daemonorops fissus** Blume Rumphia 3 (1847) 17, t. 14, f. D-G; Miq. Anal. Bot. Ind. 1 (1850) 6, Fl. Ind. Bat. 3 (1855) 89, Walp. Ann. 3 (1853) 476; Becc. in Ann. Bot. Gard. Calcutta 12|1 (1911) 65, t. 15; Winkler in Engl. Bot. Jahrb. 48 (1912) 92.

Dutch Borneo, *Henrici*, *Korthals*, *Winkler* 3013.

Var. **cinnamomeus** Becc. in Rec. Bot. Surv. Ind. 2 (1902) 219, Ann. Bot. Gard. Calcutta 12|1 (1911) 67, t. 16.

Cultivated at Buitenzorg, Java, originating in Borneo. Endemic.

11. **Daemonorops floridus** Becc. in Ann. Bot. Gard. Calcutta 12|1 (1911) 230, t. 109.

Sarawak, *Hewitt*. Endemic.

12. **Daemonorops formicarius** Becc. Nelle Foreste di Borneo (1902) 608, Rec. Bot. Surv. Ind. 2 (1902) 226; Ann. Bot. Gard. Calcutta 12|1 (1911) 170, t. 70.

Sarawak, *Beccari* 2552, 1923. Endemic.

13. **Daemonorops hallierianus** Becc. in Ann. Bot. Gard. Calcutta 12|1 (1911) 218, t. 99.

Dutch Borneo, *Hallier* 374, 375, 2910, 2129; Sarawak, *Hewitt*. Endemic.

14. **Daemonorops hystrix** Mart. var. **exulans** Becc. in Ann. Bot. Gard. Calcutta 12|1 (1911) 224, t. 105; Winkler in Engl. Bot. Jahrb. 48 (1912) 92.

Dutch Borneo, *Hallier* 2759, 2596, *Winkler* 3179. The species in the Malay Peninsula.

15. **Daemonorops korthalsii** Blume Rumphia 3 (1847) 23, t. 163 B, C; Walp. Ann. 3 (1853) 478; Miq. Anal. Bot. Ind. 1 (1850) 6, Fl. Ind. Bat. 3 (1855) 92; Becc. in Ann. Bot. Gard. Calcutta 12|1 (1911) 148, t. 60.

Dutch Borneo, *Korthals, Hallier 873*; Sarawak, *Beccari 1938, Ridley 12405*. Endemic.

16. ***Daemonorops longispatus*** Becc. in Rec. Bot. Surv. Ind. 2 (1902) 230, Ann. Bot. Gard. Calcutta 12|1 (1911) 206, t. 94, 95.

Sarawak, *Beccari 2193, 3697*. Endemic.

17. ***Daemonorops mattanensis*** Becc. Nelle Foreste di Borneo (1902) 608, Rec. Bot. Surv. Ind. 2 (1902) 224, Ann. Bot. Gard. Calcutta 12|1 (1911) 117, t. 47.

Sarawak, *Beccari 1931*. Endemic.

18. ***Daemonorops microstachys*** Becc. in Rec. Bot. Surv. Ind. 2 (1902) 225, Ann. Bot. Gard. Calcutta 12|1 (1911) 133, 224, t. 54, 104.

Borneo, *Lobb, Hallier, 1086*. Endemic.

19. ***Daemonorops mirabilis*** Mart. Hist. Nat. Palm. 3 (1838) 206, 326, t. 115, f. 2, b; Becc. in Ann. Bot. Gard. Calcutta 12|1 (1911) 175, Winkler in Engl. Bot. Jahrb. 48 (1912) 92.

Dutch Borneo, *Winkler 2602*.

Var. ***oligocyclis*** Becc. in Ann. Bot. Gard. Calcutta 12|1 (1911) 176, t. 73.

Cultivated at Buitenzorg, Java, from Borneo. Endemic.

20. ***Daemonorops monticolus*** Mart. Hist. Nat. Palm. 3 (1849) 328, t. 173; Ridl. Mat. Fl. Malay Penin. 2 (1907) 175.

Borneo, fide *Ridley l. c.* Malay Peninsula.

21. ***Daemonorops motleyi*** Becc. in Rec. Bot. Surv. Ind. 2 (1902) 224, Ann. Bot. Gard. Calcutta 12|1 (1911) 120; Winkler in Engl. Bot. Jahrb. 48 (1912) 92.

Dutch Borneo, *Motley, Winkler 2881*. Endemic.

22. ***Daemonorops oxycarpus*** Becc. Nelle Foreste di Borneo (1902) 607, Rec. Bot. Surv. Ind. 2 (1902) 225, Ann. Bot. Gard. Calcutta 12|1 (1911) 131, t. 53.

Sarawak, *Beccari 1932*; Labuan, *Lobb*.

Var. ***levipes*** Becc. in Ann. Bot. Gard. Calcutta 12|1 (1911) 133.

Dutch Borneo, *Hallier 2594*. Endemic.

23. ***Daemonorops pachyrostris*** Becc. in Ann. Bot. Gard. Calcutta 12|1 (1911) 217, t. 98.

Dutch Borneo, *Hallier 1310*. Endemic.

24. **Daemonorops periacanthus** Miq. Fl. Ind. Bat. Suppl. (1862) 256, 592; Becc. in Ann. Bot. Gard. Calcutta 12|1 (1911) 197, t. 88, 89. *Daemonorops dissitophyllus* Becc. Nelle Foreste di Borneo (1902) 608.

Sarawak, *Beccari 248, Low*. Malay Peninsula, Sumatra, Banca.

The Bornean reference to *Calamus ruber* Miq. = *Daemonorops ruber* Blume, Miquel Anal. Bot. Ind. 1 (1850) 6, was probably based on an erroneously identified specimen; it is known only from Sumatra.

25. **Daemonorops rutilus** Becc. in Rec. Bot. Surv. Ind. 2 (1902) 230, Ann. Bot. Gard. Calcutta 12|1 (1911) 211, t. 97.

Borneo, *Low*. Endemic.

26. **Daemonorops sabensis** Becc. ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 169.

British North Borneo, *Gibbs 2913*. Endemic.

27. **Daemonorops scapigerus** Becc. in Rec. Bot. Surv. Ind. 2 (1902) 228, Ann. Bot. Gard. Calcutta 12|1 (1911) 195, t. 87.

Sarawak, *Beccari 22*.

Var. **minor** Becc. l. cc.

Sarawak, *Lobb*. Endemic.

28. **Daemonorops sparsiflorus** Becc. in Rec. Bot. Surv. Ind. 2 (1902) 224, Ann. Bot. Gard. Calcutta 12|1 (1911) 126.

Borneo, *Low*; Labuan, *Lobb*.

Var. **crassifolius** Becc. in Ann. Bot. Gard. Calcutta 12|1 (1911) 223.

Dutch Borneo, *Hallier 2989*.

Var. **sarawakensis** Becc. in Ann. Bot. Gard. Calcutta 12|1 (1911) 221, t. 101, 102.

Sarawak, *Hose 703, Hewitt*. Endemic.

29. **Daemonorops spectabilis** Becc. in Ann. Bot. Gard. Calcutta 12|1 (1911) 228, t. 108.

Dutch Borneo, *Hallier 2797*. Endemic.

30. **Daemonorops turbinatus** Becc. in Ann. Bot. Gard. Calcutta 12|1 (1911) 225, t. 106.

Dutch Borneo, *Hallier 3042*. Endemic.

31. **Daemonorops ursinus** Becc. in Rec. Bot. Surv. Ind. 2 (1902) 22, Ann. Bot. Gard. Calcutta 12|1 (1911) 96, t. 35.

Sarawak, *Beccari 2925*. Endemic.

32. **Daemonorops vagans** Becc. in Hook. f. Fl. Brit. Ind. 6 (1893) 469; Ann. Bot. Gard. Calcutta 12|1 (1911) 153, t. 62.

Sarawak, *Foxworthy* 222! Malay Peninsula.

33. ***Daemonorops verticillaris*** Mart. Hist. Nat. Palm. 3 (1850) 329, t. 175; Ridl. Mater. Fl. Malay Penin. 2 (1907) 186.

Borneo, fide *Ridley* l. c. Malay Peninsula.

1. ***Caryota mitis*** Lour. Fl. Cochinch. (1790) 569; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 168. *Caryota furfuracea* Blume; Miq. Anal. Bot. Ind. 1 (1850) 3, Fl. Ind. Bat. 3 (1855) 40, Walp. Ann. 5 (1858) 812. *Caryota griffithii* Becc. in Nuov. Giorn. Bot. Ital. 3 (1871) 15; Scheff. in Nat. Tijdschr. Nederl. Ind. 34 (1874) 72.

Sarawak, *Beccari* 1281, 955, 2219; British North Borneo, *Gibbs* 2698. Burma to Malaya.

2. ***Caryota no*** Becc. in Nuov. Giorn. Bot. Ital. 3 (1871) 12; Scheff. in Nat. Tijdschr. Nederl. Ind. 34 (1874) 71.

Sarawak, *Beccari* 3643. Endemic.

3. ***Caryota propinqua*** Blume in Mart. Hist. Nat. Palm. 3 (1838) 195; Becc. in Nuov. Giorn. Bot. Ital. 3 (1871) 17; Winkler in Engl. Bot. Jahrb. 48 (1912) 90.

Dutch Borneo, *Winkler* 3044. Java, Sumatra.

4. ***Caryota rumphiana*** Mart. Hist. Nat. Palm. 3 (1838) 195; Miq. Anal. Bot. Ind. 1 (1850) 3, Fl. Ind. Bat. 3 (1855) 40.

Borneo, fide *Miquel*. Philippines, Bali, Celebes, Moluccas.

1. ***Arenga brevipes*** Becc. Malesia 3 (1886) 94.

Sarawak, *Beccari* 2012. Endemic.

2. ***Arenga pinnata*** (Wurmb.) Merr. Interpret. Herb. Amb. (1917) 119. *Arenga saccharifera* Labill.; Becc. Nelle Foreste di Borneo (1902) 592. *Saguerus rumphii* Roxb.; Miq. Anal. Bot. Ind. 1 (1850) 3.

Sarawak, *Beccari*. India to Malaya; the sugar palm.

3. ***Arenga undulatifolia*** Becc. Malesia 3 (1886) 92; Winkler in Engl. Bot. Jahrb. 48 (1912) 89.

Sarawak, *Beccari* 4040; Dutch Borneo, *Winkler* 2399, *Teysmann*. Endemic.

1. ***Didymosperma borneensis*** Becc. Malesia 3 (1886) 97.

Sarawak, *Beccari* 1334. Endemic.

1. ***Gigliolia insignis*** Becc. Malesia 1 (1877) 172.

Sarawak, *Beccari* 3696. Endemic.

2. ***Gigliolia subacaulis*** Becc. Malesia 1 (1877) 174.

Sarawak, *Beccari* 3647. Endemic.

1. **Iguanura ambigua** Becc. Malesia 3 (1886) 105.
Sarawak, *Beccari 1308*. Endemic.
 2. **Iguanura borneensis** Scheff. in Ann. Jard. Bot. Buitenz. 1 (1876) 161; Becc. ex Winkler in Engl. Bot. Jahrb. 48 (1912) 89.
Dutch Borneo, *Teysmann, Winkler 2782*. Endemic.
 3. **Iguanura elegans** Becc. Malesia 3 (1886) 103.
Sarawak, *Beccari 187, 163*. Endemic.
 4. **Iguanura macrostachya** Becc. Malesia 3 (1886) 101.
Sarawak, *Beccari 3851*. Endemic.
 5. **Iguanura malaccensis** Becc. Malesia 3 (1886) 102.
Sarawak, *Foxworthy 241!, 242!, det. Beccari*. Malay Peninsula.
 6. **Iguanura palmuncula** Becc. Malesia 3 (1886) 106.
Sarawak, *Beccari 3957*. Endemic.
 7. **Iguanura remotiflora** H. Wendl. in Bot. Zeit. 17 (1859) 63; Miq. Ind. Bat. 3 (1859) 749; Becc. Malesia 3 (1886) 100.
Borneo, *Lobb*. Endemic.
 8. **Iguanura sanderiana** Ridl. in Gard. Chron. III 35 (1904) 50.
Sarawak, *Micholitz*. Endemic.
1. **Oncosperma horrida** (Griff.) Scheff. in Nat. Tijdschr. Nederl. Ind. 32 (1871) 191; Ann. Jard. Bot. Buitenz. 1 (1876) 159; Beccari Nelle Foreste di Borneo (1902) 596.
Sarawak, *Beccari*. Malay Peninsula.
 2. **Oncosperma tigillaria** (Jack) Ridl. in Journ. Str. Branch Roy. As. Soc. 33 (1900) 173; Rendle in Journ. Bot. 39 (1901) 178. *Oncosperma filamentosa* Blume Rumphia 2 (1836) 97, t. 82, 103; Miq. Anal. Bot. Ind. 1 (1850) 3; Becc. Nelle Foreste di Borneo (1902) 596. *Areca nibung* Mart.; Miq. Fl. Ind. Bat. 3 (1855) 13.
Borneo, fide *Miquel* and *Blume*; Sarawak, *Beccari, Hose 701!*
Tidal swamps CochinChina to the Philippines and Malaya.
 1. **Cyrtostachys lakka** Becc. in Ann. Jard. Bot. Buitenz. 2 (1885) 141.
Sarawak, *Beccari 2674, 4038*. Malay Peninsula.
 1. **Pinanga albescens** Becc. ex Winkler in Engl. Bot. Jahrb. 48 (1912) 89.
Dutch Borneo, *Jaheri, Winkler 2880*. Endemic.
 2. **Pinanga angustisecta** Becc. Malesia 3 (1886) 119.

Sarawak, *Beccari 2390*. Endemic.

3. *Pinanga arundinacea* Ridl. in Journ. Str. Branch Roy. As. Soc. 54 (1910) 60.

Borneo, *Ridley*. Endemic.

4. *Pinanga auriculata* Becc. Malesia 3 (1886) 134.

Sarawak, *Beccari 589*. Endemic.

5. *Pinanga borneensis* Scheff. in Ann. Jard. Bot. Buitenz. 1 (1876) 151.

Dutch Borneo, *Teysmann*. Endemic.

6. *Pinanga brevipes* Becc. Malesia 3 (1886) 121.

Sarawak, *Beccari 21, 646, Foxworthy 84!* Endemic.

7. *Pinanga calamifrons* Becc. Malesia 3 (1886) 132.

Sarawak, *Beccari 3841*.

Var. *tenuissima* Becc. Malesia 3 (1886) 133.

Sarawak, *Beccari 3848*. Malay Peninsula (the species).

8. *Pinanga canina* Becc. Malesia 3 (1886) 137 (incl. var. *major*, f. *intermedia* and f. *minor*).

Sarawak, *Beccari 2713, 2920, 1585, Native collector 14721, 1743!* *Bur. Sci.* Endemic.

9. *Pinanga capitata* Becc. ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 186.

British North Borneo, *Gibbs 4219*. Endemic.

10. *Pinanga crassipes* Becc. Malesia 3 (1886) 120.

Sarawak, *Beccari 2008*. Endemic.

11. *Pinanga gibbsiana* Becc. ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 168.

British North Borneo, *Gibbs 3968*. Endemic

12. *Pinanga lepidota* Rendle in Journ. Bot. 39 (1901) 177.

Sarawak, *Hose 702!* Endemic.

13. *Pinanga ligulata* Becc. Malesia 3 (1886) 129.

Sarawak, *Beccari 1816*. Endemic.

14. *Pinanga malaiana* Scheff. in Ann. Jard. Bot. Buitenz. 1 (1876) 150; Becc. Malesia 3 (1886) 137.

Dutch Borneo, *Teysmann*. Penang, Malay Peninsula, Sumatra.

15. *Pinanga mirabilis* Becc. Malesia 3 (1886) 126.

Sarawak, *Beccari 389*. Endemic.

16. **Pinanga patula** Blume Rumphia 2 (1836) 86, 87, t. 115; Becc. Malesia 3 (1886) 139; Winkler in Engl. Bot. Jahrb. 48 (1912) 89.

Dutch Borneo, *Teysmann*, *Winkler* 2236.

Var. **microcarpa** Becc. ex Winkler in Engl. Bot. Jahrb. 48 (1912) 89.

Dutch Borneo, *Winkler* 2879. The species in Banca, Sumatra, Malay Peninsula, the variety endemic.

17. **Pinanga rivularis** Becc. Malesia 3 (1886) 130.

Sarawak, *Beccari* 3773. Endemic.

18. **Pinanga salicifolia** Blume Rumphia 2 (1836) 93; Scheff. in Ann. Jard. Bot. Buitenz. 1 (1876) 151; Becc. Malesia 3 (1886) 132. *Ptychosperma salicifolia* Mart.; Miq. Fl. Ind. Bat. 3 (1855) 28.

Dutch Borneo, *Muller*, *Teysmann*. Endemic.

19. **Pinanga stricta** Becc. Malesia 3 (1886) 133.

Sarawak, *Beccari* 1692, 3423. Endemic.

20. **Pinanga tenella** (H. Wendl.) Scheff. in Nat. Tijdschr. Nederl. Ind. 32 (1871) 179; Becc. Malesia 3 (1886) 131. *Ptychosperma tenella* H. Wendl. in Bot. Zeit. 17 (1859) 63; Miq. Fl. Ind. Bat. 3 (1859) 749.

Borneo, *Lobb*. Endemic.

21. **Pinanga tomentella** Becc. Malesia 3 (1886) 126.

Sarawak, *Beccari* 126. Endemic.

22. **Pinanga variegata** Becc. Malesia 3 (1886) 127; Winkler in Engl. Bot. Jahrb. 48 (1912) 89.

Sarawak, *Beccari* 3769; Dutch Borneo, *Winkler* 2781. Endemic.

23. **Pinanga veitchii** H. Wendl. in Veitch Cat. (1880) 23; Gartenflora (1880) 261; Becc. Malesia 3 (1886) 125; Kew Bull. Add. Series 4 (1900) 325.

Sarawak, *Beccari* 912, *Burbidge*. Endemic.

1. **Areca borneensis** Becc. Malesia 1 (1877) 22.

Sarawak, *Beccari*. Endemic.

2. **Areca catechu** Linn. Sp. Pl. (1753) 1189; Becc. Nelle Foreste di Borneo (1902) 596; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 168.

Sarawak, *Beccari*; British North Borneo, *Gibbs* 4305. Cultivated as it is throughout the Indo-Malayan-Polynesian region; the betlenut palm.

3. **Areca minuta** Scheff. in Ann. Jard. Bot. Buitenz. 1 (1876) 145.

Dutch Borneo, *Teysmann*. Endemic.

1. **Elaeis guineensis** Jacq. Select. Stirp. Am. (1763) 280, t. 172; Becc. Nelle Foreste di Borneo (1902) 493.

The oil palm; cultivated as in various parts of the tropics, a native of tropical Africa.

1. **Cocos nucifera** Linn. Sp. Pl. (1753) 1188; Becc. Nelle Foreste di Borneo (1902) 598.

Commonly cultivated as in all tropical countries; the coconut palm.

1. **Nipa fruticans** Wurm. in Verh. Bat. Genoots. 1 (1779) 350; Miq. Anal. Bot. Ind. 1 (1850) 7, Fl. Ind. Bat. 3 (1855) 150; Becc. Nelle Foreste di Borneo (1902) f. 29.

Borneo, *Beccari*. Along tidal streams India to Malaya; the nipa palm.

Araceae.

1. **Pothos argenteus** Bull. Cat. (1887) 11; Kew Bull. Add. Series 4 (1900) 334.

Introduced into cultivation from Borneo. Endemic; a species of uncertain status.

2. **Pothos barberianus** Schott Aroid 1 (1857) 24, t. 53, Prodr. (1860) 573; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 82; Engl. in DC. Monog. Phan. 2 (1879) 90, Pflanzenreich 21 (1905) 40; Becc. Malesia 1 (1885) 264; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 187.

Labuan, *Barber, Motley*; Sarawak, *Beccari* 953. Malay Peninsula.

3. **Pothos beccarianus** Engl. in Bull. Soc. Tosc. Ort. 4 (1879) 267, DC. Monog. Phan. 2 (1879) 92, Becc. Malesia 1 (1885) 264; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 187; Engl. Pflanzenreich 21 (1905) 44, f. 17, A-C.

Sarawak, *Beccari* 1699. Endemic.

4. **Pothos brevistylus** Engl. in Bull. Soc. Tosc. Ort. 4 (1879) 267, Becc. Malesia 1 (1885) 264, t. 16, f. 10-12; Engl. Pflanzenreich 21 (1905) 37; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 188.

Sarawak, *Beccari* 3984, *Haviland* 971. Endemic.

5. **Pothos celatocaulis** N. E. Br. in Gard. Chron. II 13 (1880) 200, Veitch Cat. (1880) 23, Fl. des Serres t. 2419; Kew Bull. Add. Series 4 (1900) 334; Engl. Pflanzenreich 21 (1905) 44.

Introduced into cultivation from Borneo; of doubtful status. Endemic.

6. **Pothos hosei** Rendle in Journ. Bot. 39 (1901) 178; Engl. Pflanzenreich 21 (1905) 38.

Sarawak, *Hose* 582. Endemic.

7. **Pothos inaequilaterus** (Presl) Engl. in DC. Monog. Phan. 2 (1879) 88. *Pothos cumingianus* Schott; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 82.

Borneo, fide *Miquel* l. c. Philippines, Sumatra.

8. **Pothos insignis** Engl. in Bull. Soc. Tosc. Ort. 4 (1879) 276, Bot. Jahrb. 1 (1881) 180, Becc. Malesia 1 (1885) 263, t. 17; Pflanzenreich 21 (1905) 39; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 188.

Sarawak, *Beccari* 953. Endemic.

9. **Pothos leptostachyus** Schott Prodr. (1860) 571; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 82; Engl. in DC. Monog. Phan. 2 (1879) 91, Pflanzenreich 21 (1905) 41; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 187.

Dutch Borneo, *Motley*. Endemic.

10. **Pothos longus** Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 188.

Sarawak, *Haviland*. Endemic.

11. **Pothos macrophyllus** DeVriese in Miq. Pl. Jungh. (1851) 104; Engl. Pflanzenreich 21 (1905) 30.

Borneo, fide *Engler* l. c. Sumatra to Amboina.

12. **Pothos motleyanus** Schott Aroid 1 (1853) 25, t. 55, Prodr. (1860) 574; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 82; Engl. in DC. Monog. Phan. 2 (1879) 93, Pflanzenreich 21 (1905) 42; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 187.

Borneo, *Barber*, *Motley*, *Burbidge*. Endemic.

13. **Pothos sanderianus** Hort. in Gard. Chron. 21 (1884) 711; Cat. Comp. Cont. Hort. (1885) 8; Kew Bull. Add. Series 4 (1900) 334.

Introduced into cultivation from Borneo.

14. **Pothos scandens** Lint. Sp. Pl. (1753) 968; Engl. Pflanzenreich 21 (1905) 26. *Pothos fallax* Schott Prodr. (1860) 560; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 82. *Pothos decipiens* Schott in Bonplandia 7 (1859) 165; Miq. l. c.

Dutch Borneo, *Korthals*, *Motley* 1194. India to Malaya.

15. **Pothos wallichii** Hook. f. Grit. Ind. 6 (1893) 553; Engl. Pflanzenreich 21 (1905) 41. *Pothos gracilis* Miq. Ann.

Mus. Bot. Lugd.-Bat. 3 (1867) 82; Engl. in DC. Monog. Phan. 2 (1879) 91, non Roxb.

Dutch Borneo, *Korthals*. Malay Peninsula, Penang.

1. *Acorus calamus* Linn. Sp. Pl. (1753) 462.

British North Borneo, *Clemens 9707!* Widely distributed in the north temperate zone, southward to Malaya.

1. *Anadendron affine* Schott in Miq. Ann. Mus. Lugd.-Bat. 1 (1863) 282; Engl. in DC. Monog. Phan. 2 (1879) 96; Becc. Malesia 1 (1885) 285; Engl. Pflanzenreich 21 (1905) 47; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 183.

Sarawak, *Beccari 1871*; Dutch Borneo, *Korthals*. Sumatra.

2. *Anadendron montanum* (Blume) Schott in Bonplandia 5 (1857) 45; Prodr. (1860) 391; Engl. in DC. Monog. Phan. 2 (1879) 97, Pflanzenreich 21 (1905) 49, f. 19, G-R; Becc. Malesia 1 (1885) 265; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 183; Winkler in Engl. Bot. Jahrb. 48 (1912) 93.

Sarawak, *Beccari 176, 816, 817, 908, 1056, 1663*; Dutch Borneo, *Grabowski, Winkler 2222*. Siam and the Malay Peninsula to Sumatra, Java, and Celebes.

1. *Amydrium humile* Schott in Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 127; Engl. in DC. Monog. Phan. 2 (1879) 101; Engl. and Krause in Engl. Pflanzenreich 37 (1908) 118.

Borneo (or ? Sumatra) *Korthals*. Malay Peninsula.

1. *Raphidophora beccarii* Engl. Bot. Jahrb. 1 (1881) 181, Malesia 1 (1885) 270, t. 19, f. 6-7; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 186; Engl. and Krause in Engl. Pflanzenreich 37 (1908) 46, f. 20. *Epipremnum beccarii* Engl. in Bull. Soc. Tosc. Ort. 4 (1879) 269. *Raphidophora borneensis* Engl. Arac. Exsicc. No. 195, ex Engl. and Krause l. c.

Sarawak, *Beccari 833*; Dutch Borneo, *Grabowski, Hallier 1555, Nieuwenhuis 1020*. Endemic.

2. *Raphidophora cylindrosperma* Engl. and Krause in Engl. Pflanzenreich 37 (1908) 28, f. 6.

Dutch Borneo, *Hallier 1164*. Endemic.

3. *Raphidophora elliptica* Ridl. in Journ. Str. Branch Roy. As. Soc. 43 (1905) 186; Engl. and Krause in Engl. Pflanzenreich 37 (1908) 39.

Sarawak, *Ridley*. Endemic.

4. *Raphidophora elliptifolia* Merr. nom. nov. *Raphidophora elliptica* Ridl. in Journ. Str. Branch Roy. As. Soc. 49 (1908) 52, non Ridl. op. cit. 43 (1905) 186.

Sarawak, *Hewitt* Endemic.

5. **Raphidophora fluminea** Ridl. in Journ. Str. Branch Roy. As. Soc. 43 (1905) 186; Engl. and Krause l. c. 37.
British North Borneo, *Ridley*. Endemic.
6. **Raphidophora glaucescens** Engl. and Krause in Engl. Pflanzenreich 37 (1908) 44.
Borneo, cultivated at Buitenzorg, Java. Endemic.
7. **Raphidophora korthalsii** Schott var. **angustiloba** Engl. and Krause in Engl. Pflanzenreich 37 (1908) 49.
Sarawak, *Ridley*. Malay Peninsula and Java.
8. **Raphidophora lobbii** Schott in Bonplandia 5 (1857) 45, Prodr. (1860) 379; Engl. in DC. Monog. Phan. 2 (1879) 240; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 185; Engl. and Krause in Engl. Pflanzenreich 37 (1908) 33.
Dutch Borneo, *Korthals*. Malay Peninsula.
9. **Raphidophora maxima** Engl. in Bull. Soc. Tosc. Ort. 4 (1879) 269, Becc. Malesia 1 (1885) 271 t. 20, f. 1-5, Bot. Jahrb. 25 (1898) 10; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 186; Engl. and Krause in Engl. Pflanzenreich 37 (1908) 48.
Sarawak, *Beccari* 2314. New Guinea.
10. **Raphidophora megasperma** Engl. Bot. Jahrb. 25 (1898) 8; Engl. and Krause in Engl. Pflanzenreich 37 (1908) 29, f. 9.
Dutch Borneo, *Grabowski*. Endemic.
11. **Raphidophora minor** Hook. f. Fl. Brit. Ind. 6 (1893) 544; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 185; Engl. and Krause in Engl. Pflanzenreich 37 (1908) 21, f. 4; Winkler in Engl. Bot. Jahrb. 48 (1912) 93.
Dutch Borneo, *Winkler* 5448; Sarawak, *Ridley*. Malay Peninsula.
12. **Raphidophora montana** (Blume) Schott in Ann. Mus. Bot. Lugd.-Bat. 1 (1863) 128; Miq. op. cit. 3 (1867) 81.
Borneo, fide *Miquel* l. c. Java, Sumatra.
13. **Raphidophora motleyana** Engl. and Krause in Engl. Pflanzenreich 37 (1908) 25.
Dutch Borneo, *Motley* 741. Endemic.
14. **Raphidophora oblongifolia** Schott in Ann. Mus. Bot. Lugd.-Bat. 1 (1863) 128; Engl. and Krause in Engl. Pflanzenreich 37 (1908) 31, f. 11.
Dutch Borneo, *Hallier* 1187. Java.
15. **Raphidophora peepla** (Roxb.) Schott in Bonplandia 5 (1857) 45; Becc. Malesia 1 (1885) 268; Ridl. in Journ. Str.

Branch Roy. As. Soc. 44 (1905) 185; Engl. and Krause in Engl. Pflanzenreich 37 (1908) 41; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 171. *Raphidophora nigrescens* Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 185.

Sarawak, *Ridley, Bartlett*; British North Borneo, *Gibbs 4010*. India to the Moluccas.

16. **Raphidophora peeploides** Engl. Bot. Jahrb. 25 (1898) 7; Engl. and Krause in Engl. Pflanzenreich 37 (1908) 40.

Dutch Borneo, *Hallier 67*. Celebes.

17. **Raphidophora ridleyi** Merr. nom. nov. *Raphidophora grandis* Ridl. in Journ. Str. Branch Roy. As. Soc. 49 (1908) 51, non Schott.

Sarawak, *Ridley 12414*. Endemic.

18. **Raphidophora silvestris** (Blume) Engl. in DC. Monog. Phan. 2 (1879) 239; Becc. Malesia 1 (1885) 268; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 185; Engl. and Krause in Engl. Pflanzenreich 37 (1908) 22, f. 6. *Raphidophora gratissima* Becc. Nelle Foreste di Borneo (1902) 604.

Sarawak, *Beccari 952* (= *Raphidophora silvestris* var. *obtusata* Engl. = *Raphidophora gratissima* Becc.), 158, *Haviland 1089*; Dutch Borneo, *Teysmann 8105, Hallier 35*. Java to New Guinea.

19. **Raphidophora tenuis** Engl. Bot. Jahrb. 1 (1881) 181, Becc. Malesia 1 (1882) 271; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 187; Engl. and Krause in Engl. Pflanzenreich 37 (1908) 53.

Sarawak, *Ridley, Beccari 1977*. Endemic.

1. **Epipremnopsis huegeliana** (Schott) Engl. Pflanzenreich 37 (1908) 138; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 171. *Raphidophora huegelii* Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 186.

British North Borneo, *Gibbs 2682*; Sarawak, *Beccari*. Philippines.

2. **Epipremnopsis media** (Zoll. and Mor.) Engl. Pflanzenreich 37 (1908) 1, f. 19a. *Epipremnum medium* Engl.; Becc. Malesia 1 (1885) 275. *Anadendron medium* Schott; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 82.

Sarawak, *Beccari 1276, 2597*; Dutch Borneo, *Nieuwenhuis 665, 1708*. Tenasserim to Malaya.

1. **Scindapsus beccarii** Engl. in Engl. Bot. Jahrb. 1 (1881) 182; Becc. Malesia 1 (1885) 277; Engl. and Krause in Engl. Pflanzenreich 37 (1908) 69, f. 28. *Scindapsus crassipes* Engl. Bot. Jahrb. 1 (1881) 182; Becc. Malesia 1 (1885) 277, t. 21, f. 14-16.

Sarawak, *Beccari 202, Ridley*. Malay Peninsula, Sumatra.

2. **Scindapsus borneensis** Engl. and Krause in Engl. Bot. Jahrb. 37 (1908) 74.

Dutch Borneo, *Hallier 3406*. Endemic.

3. **Scindapsus coriaceus** Engl. in Bull. Soc. Tosc. Ort. 4 (1879) 271, Becc. Malesia 1 (1885) 276, Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 184.

Sarawak, *Beccari 1671*. Endemic.

4. **Scindapsus geniculatus** Engl. in Bull. Soc. Tosc. Ort. 4 (1879) 271, Becc. Malesia 1 (1885) 276, t. 21, f. 6-10; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 184.

Sarawak, *Beccari 1875*. Endemic.

5. **Scindapsus havilandii** Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 184; Engl. and Krause in Engl. Pflanzenreich 37 (1908) 75.

Sarawak, *Haviland 2089*. Endemic.

6. **Scindapsus hederaceus** Schott in Bonplandia 5 (1857) 45; Engl. in DC. Monog. Phan. 2 (1879) 253; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 184; Engl. and Krause in Engl. Pflanzenreich 37 (1908) 75, f. 33 E-N. *Scindapsus inquinatus* Schott in Ann. Mus. Bot. Lugd.-Bat. 1 (1863) 283, 3 (1867) 82.

Dutch Borneo, *Korthals*. Cochinchina to the Malay Peninsula, Java, Sumatra, Philippines.

7. **Scindapsus longipes** Engl. in Bull. Soc. Tosc. Ort. 4 (1879) 270, Becc. Malesia 1 (1885) 277, t. 21, f. 11-13; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 184; Engl. and Krause in Engl. Pflanzenreich 37 (1908) 74.

Sarawak, *Beccari 1797*. Endemic.

8. **Scindapsus perakensis** Hook. f. Fl. Brit. Ind. 6 (1893) 542; Engl. and Krause in Engl. Pflanzenreich 37 (1908) 75, f. 32 A-D; Winkler in Engl. Bot. Jahrb. 48 (1912) 93.

Dutch Borneo, *Grabowski, Winkler 2220*. Malay Peninsula, Java.

9. **Scindapsus pictus** Hassk. Cat. Hort. Bogor (1844) 58; Schott Prodr. (1860) 393; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 82; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 183; Engl. and Krause in Engl. Pflanzenreich 37 (1908) 13.

Dutch Borneo, *Motley 693*; Sarawak, *Ridley, Haviland 2568*.

Var. **argyraeus** Engl. Bot. Jahrb. 25 (1898) 13; Engl. and Krause l. c.

Dutch Borneo, *Motley*.

Var. **oblongifolius** Engl. l. c.; Engl. and Krause l. c.
Dutch Borneo, *Grabowski*. Malay Peninsula to Celebes.

10. **Scindapsus rupestris** Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 184; Engl. and Krause in Engl. Pflanzenreich 37 (1908) 77.

Sarawak, *Ridley 11853*. A variety (*siamensis* Engl.) in Siam and the Malay Peninsula, the species endemic.

1. **Cyrtosperma ferox** Linden and N. E. Br. in Ill. Hort. (1892) 59, *t. 153*, Gard. Chron. III 12 (1892) 123; Kew Bull. Add. Series 4 (1900) 140; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 187; Engl. Pflanzenreich 48 (1911) 21.

Introduced into cultivation from Borneo.

2. **Cyrtosperma lasioides** Griff. Not. 3 (1848) 149; Engl. in DC. Monog. Phan. 2 (1879) 270; Becc. Malesia 1 (1885) 278; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 187.

Sarawak, *Beccari 590*; this number is referred by Engler, Pflanzenreich 48 (1911) 21 to *Cyrtosperma merkusii* Schott. Malay Peninsula.

3. **Cyrtosperma merkusii** (Hassk.) Schott. in Oester. Bot. Wochenbl. (1859) 61; Becc. Malesia 1 (1885) 278; Engl. Pflanzenreich 48 (1911) 20. *Cyrtosperma cuspidilobum* Schott. in Ann. Mus. Bot. Lugd. Bat. 3 (1867) 82. *Cyrtosperma dubium* Schott. l. c.

Dutch Borneo, *Korthals*; Sarawak, *Beccari 685*.

Var. **intermedium** (Schott.) Engl. in DC. Monog. Phan. 2 (1879) 271. *Cyrtosperma intermedium* Schott. l. c. 283.

Dutch Borneo, *Korthals*. Java to the Philippines and New Guinea.

1. **Lasia crassifolia** Engl. Bot. Jahrb. 25 (1898) 15, Pflanzenreich 48 (1911) 25, var. **latisecta** Engl. et **angustisecta** Engl. l. c.

Dutch Borneo, *Grabowski*. Java.

2. **Lasia spinosa** (Linn.) Thw. Enum. Pl. Zeyl. (1864) 336; Engl. in DC. Monog. Phan. 2 (1879) 273, Pflanzenreich 48 (1911) 24; Becc. Malesia 1 (1885) 278; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 187.

Sarawak, *Beccari 4005*; Dutch Borneo, *Grabowski, Winkler 3249*. India to Cochinchina southward to Java.

1. **Podolasia stipitata** N. E. Br. in Gard. Chron. 18 (1882) 28, Kew Bull. Add. Series 4 (1900) 330; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 187; Engl. Pflanzenreich 48 (1911) 28, *f. 11*.

Introduced into cultivation from Borneo. Malay Peninsula.

1. **Amorphophallus borneensis** (Engl.) Engl. and Gehrm. in Engl. Pflanzenreich 48 (1911) 79. *Hydrosme borneensis* Engl. Bot. Jahrb. 15 (1892) 456, 25 (1898) 16.

Dutch Borneo, *Grabowski*.

Var. **winkleri** Engl. Pflanzenreich 48 (1911) 79; Winkler in Engl. Bot. Jahrb. 48 (1912) 93.

Dutch Borneo, *Winkler 3248*. Endemic.

2. **Amorphophallus giganteus** Blume in Rumphia 1 (1835) 147, t. 34; Becc. Malesia 1 (1885) 279; Engl. Pflanzenreich 48 (1911) 83; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 171.

Sarawak, *Beccari 1055*. Java.

3. **Amorphophallus variabilis** Blume Rumphia 1 (1835) 146, t. 35, 37. *Conophallus variabilis* Schott. ex Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 81.

Dutch Borneo, *Korthals*. Java, Philippines.

1. **Homalomena aromatica** (Roxb.) Schott. Melet. 1 (1832) 20; Becc. Malesia 1 (1885) 282 (var. *cordata* Schott.); Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 153 (var. *cordata* Schott.) Engl. and Krause in Engl. Pflanzenreich 55 (1912) 59.

Dutch Borneo, *Grabowski*; Sarawak, *Beccari 740, 1340, 1783, 2013*. India to New Guinea.

2. **Homalomena beccariana** Engl. in Bull. Soc. Tosc. Ort. 4 (1879) 286, Becc. Malesia 1 (1885) 281; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 66; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 172.

Sarawak, *Beccari 260*. Endemic.

3. **Homalomena borneensis** Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 173; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 71.

Sarawak, *Ridley*. Endemic.

4. **Homalomena gigantea** Engl. Pflanzenreich 55 (1912) 62, f. 37, 38.

Borneo, *Engler*, from plants cultivated at Buitenzorg, Java. Endemic.

5. **Homalomena grabowskii** Engl. Pflanzenreich 55 (1912) 45. *Homalomena trapezifolia* Engl. Bot. Jahrb. 25 (1898) 18, non Hook. f. *Chamaecladon truncatum* Schott. var. *deltoideum* Engl. in Becc. Malesia 1 (1885) 284.

Dutch Borneo, *Grabowski*. Endemic.

6. **Homalomena griffithii** (Schott) Hook. f. Fl. Brit. Ind. 6 (1893) 534; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 177; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 43, f. 23. *Chamaecladon griffithii* Schott in Bonplandia 6 (1858) 369; Miq. Ann. Mus. Lugd.-Bat. 3 (1867) 81; Engl. in DC. Monog. Phan. 2 (1879) 346. *Chamaecladon obliquatum* Schott. l. c.; Becc. Malesia 1 (1885) 283. *Homalomena griffithii* Hook. f. var. *obliquata* Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 177.

Sarawak, *Beccari 1154*; Dutch Borneo, *Motley*.

Var. **acuminata** Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 177; Engl. and Krause l. c. 44.

Sarawak, *Ridley 11713*.

Var. **falcata** Ridl. in Journ. Str. Branch Roy. As. Soc. 49 (1908) 50.

Sarawak, *Ridley 12417*. Malay Peninsula.

7. **Homalomena havilandii** Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 173; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 71.

Sarawak, *Haviland 102*. Endemic.

8. **Homalomena haijupensis** Engl. ex Winkler in Engl. Bot. Jahrb. 48 (1912) 93; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 41, f. 20.

Dutch Borneo, *Winkler 2553a*. Endemic.

9. **Homalomena humilis** (Jack) Hook. f. Fl. Brit. Ind. 6 (1893) 533; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 177.

Borneo, fide *Hooker* f. l. c. Malay Peninsula, Sumatra.

10. **Homalomena insignis** N. E. Br. in Ill. Hort. 22 (1885) 93, t. 560; Kew Bull. Add. Series 4 (1900) 204; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 172; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 68.

Introduced into cultivation from Borneo. Endemic.

11. **Homalomena intermedia** Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 175; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 68.

Sarawak, *Ridley*. Endemic.

12. **Homalomena lancea** Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 176; Engl. and Krause l. c. 66.

Sarawak, *Ridley*. Endemic.

13. **Homalomena latifrons** Engl. and Krause l. c. 54, f. 30. Dutch Borneo, *Hallier 86, 1357*. Endemic.

14. **Homalomena metallica** (N. E. Br.) Engl. and Krause in Engl. Pflanzenreich 55 (1912) 51. *Chamaecladon metallicum* N. E. Br. in Ill. Hort. 31 (1884) 173, t. 589; Kew Bull. Add. Series 4 (1900) 93.

Introduced into cultivation from Borneo. Endemic.

15. **Homalomena miqueliana** Schott in Ann. Mus. Bot. Lugd.-Bat. 1 (1863) 120, 3 (1867) 81; Engl. in DC. Monog. Phan. 2 (1879) 333; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 69, f. 44.

Dutch Borneo, *Korthals*, *Hallier* 1465. Endemic.

16. **Homalomena multinervia** Ridl. in Journ. Str. Branch Roy. As. Soc. 49 (1908) 49.

Sarawak, *Ridley*. Malacca fide Engler and Krause.

17. **Homalomena ovalifolia** (Schott) Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 174; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 47. *Chamaecladium ovalifolium* Schott in Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 281, 3 (1867) 81; Engl. in DC. Monog. Phan. 2 (1879) 347.

Dutch Borneo, *Korthals*. Endemic.

18. **Homalomena ovata** Engl. in Bull. Soc. Tosc. Ort. 4 (1879) 296, Becc. Malesia 1 (1885) 281. *Homalomena hostiifolia* Engl. Pflanzenreich 55 (1912) 70, f. 45.

Sarawak, *Beccari* 1780; Dutch Borneo, *Nieuwenhuis* 1142. Endemic.

19. **Homalomena paludosa** Hook. f. Fl. Brit. Ind. 6 (1893) 331; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 73, f. 50.

Sarawak, *Ridley*, *Foxworthy* 41! Malay Peninsula.

20. **Homalomena paucinervia** Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 175; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 34.

Sarawak, *Ridley*. Endemic.

21. **Homalomena propinqua** Schott in Ann. Mus. Bot. Lugd.-Bat. 1 (1863) 280, 3 (1867) 81; Engl. in DC. Monog. Phan. 2 (1879) 334; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 172; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 72, f. 47.

Labuan, *Motley*; Dutch Borneo, *Teysmann*, *Korthals*, *Hallier* 1356. Endemic.

22. **Homalomena puncticulata** Engl. in Bull. Soc. Tosc. Ort. 4 (1879) 296, Becc. Malesia 1 (1885) 282; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 176; Engl. and Krause in

Engl. Pflanzenreich 55 (1912) 66. *Homalomena crassinervia* Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 176.

Sarawak, *Beccari 1534, Ridley*. Endemic.

23. **Homalomena pygmaea** (Hassk.) Engl. Bot. Jahrb. 25 (1898) 18; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 34, f. 15. *Chamaecladon lanceolatum* Miq.; Schott in Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 81.

Sarawak, *Ridley*; Dutch Borneo, *Korthals, Grabowsky 50*.

Var. **latifolia** Engl. ex Engl. and Krause l. c. 36. *Chamaecladon pygmaeum* Engl. var. *latifolium* Engl. in Becc. Malesia 1 (1885) 283.

Sarawak, *Beccari 524, 1870*.

Var. **purpurascens** (Schott) Engl. in DC. Monog. Phan. 2 (1879) 343; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 36; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 176.

Dutch Borneo, *Korthals, Hallier*; Sarawak, *Ridley*.

Var. **pumila** (Hook. f.) Engl. and Krause l. c. 36, f. 16. *Homalomena pumila* Hook. f. Fl. Brit. Ind. 6 (1893) 535; Ridl. in Journ. Bot. 40 (1902) 35.

Borneo, fide *Ridley*. Malay Peninsula, Sumatra, Java, Philippines, Celebes.

24. **Homalomena raapii** Engl. Pflanzenreich 55 (1912) 73, f. 49.

Dutch Borneo, *Winkler 2823*. Sumatra.

25. **Homalomena sagittifolia** Jungh. ex Schott Prodr. (1860) 311; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 81; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 172; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 73, f. 48.

Labuan, *Motley*; Dutch Borneo, *Korthals*; Sarawak, *Ridley*. Malay Peninsula.

26. **Homalomena sarawakensis** Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 172; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 68.

Sarawak, *Ridley 14714*. Endemic.

27. **Homalomena saxorum** (Schott) Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 174; Engl. Pflanzenreich 55 (1912) 47. *Chamaecladon saxorum* Schott in Ann. Mus. Bot. Lugd.-Bat. 1 (1863) 280, 3 (1867) 81; Engl. in DC. Monog. Phan. 2 (1879) 346.

Dutch Borneo, *Korthals*. Sumatra.

28. **Homalomena schismatoglottoides** Engl. Pflanzenreich 55 (1912) 71, f. 46.

Dutch Borneo, *Nieuwenhuis* 226. Endemic.

29. **Homalomena subcordata** (Schott) Engl. Bot. Jahrb. 1 (1881) 183; Becc. Malesia 1 (1885) 281; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 71. *Chamaecladon subcordatum* Schott in Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863) 281.

Dutch Borneo, *Korthals*; Sarawak, *Beccari* 1278. Endemic.

30. **Homalomena subcordifolia** Engl. Pflanzenreich 55 (1912) 71.

Sarawak, *Beccari* 1278. Endemic.

31. **Homalomena sulcata** Engl. Pflanzenreich 55 (1912) 45; Engl. Bot. Jahrb. 48 (1912) 94.

Dutch Borneo, *Winkler* 2277. Endemic.

32. **Homalomena treubii** Engl. Pflanzenreich 55 (1912) 70.

Dutch Borneo, *Hallier* 2622. Endemic.

Chamaecladon rubens Bull. Cat. (1881) 6; Kew Bull. Add. Series 4 (1900) 93. "Introduced into cultivation from Borneo," probably appertains to *Homalomena*.

1. **Aridarum montanum** Ridl. in Journ. Bot. 51 (1913) 201, t. 527.

Sarawak, *Brooks*. An endemic monotypic genus.

1. **Schismatoglottis acuminatissima** Schott in Ann. Mus. Bot. Lugd.-Bat. 1 (1863) 281, 3 (1867) 81; Engl. in DC. Monog. Phan. 2 (1879) 352; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 95; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 180; Winkler in Engl. Bot. Jahrb. 48 (1912) 94.

Dutch Borneo, *Schlechter* 13555, *Korthals*. Endemic.

2. **Schismatoglottis acutifolia** Engl. Pflanzenreich 55 (1912) 88.

Dutch Borneo, *Nieuwenhuis*. Endemic.

3. **Schismatoglottis asperata** Engl. in Bull. Soc. Tosc. Ort. 4 (1879) 297; Becc. Malesia 1 (1885) 285; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 179; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 107.

Sarawak, *Beccari* 950, 1498, *Ridley*.

Var. **albomaculata** Engl. l. cc.; Ridl. l. c. *Schismatoglottis crispata* Hook. f. in Curtis's Bot. Mag. III 37 (1881) t. 6576; Kew Bull. Add. Series 4 (1900) 360; Ridl. l. c. 179.

Sarawak, *Beccari* 1497, *Hullett* 320, *Burbidge*; Dutch Borneo, *Teysmann* 1151. Endemic.

4. *Schismatoglottis barbata* Engl. in Bull. Soc. Tosc. Ort. 4 (1879) 298; Becc. Malesia 1 (1885) 286, t. 22, f. 11-20; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 179; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 87, f. 62 A-H.

Sarawak, *Beccari* 3833. Endemic.

5. *Schismatoglottis beccariana* Engl. in Bull. Soc. Tosc. Ort. 4 (1879) 297, Becc. Malesia 1 (1885) 286; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 179; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 87.

The following varieties are recognized by Engler and Krause 1. c., *oblonga* Engl. (*Beccari* 1448), *albolineata* Engl. (*Beccari* 1330, 3478), *angustifolia* Engl. (*Grabowski*). Endemic.

6. *Schismatoglottis calyptrata* (Roxb.) Zoll. and Mor. Syst. Verz. (1854) 83; Engl. in DC. Monog. Phan. 2 (1879) 352; Becc. Malesia 1 (1885) 287, Bot. Jahrb. 25 (1898) 18; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 180; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 112; Winkler in Engl. Bot. Jahrb. 48 (1912) 95.

Dutch Borneo, *Hallier*, *Grabowski* (f. *concolor* Hallier f.), *Winkler* 2822; British North Borneo, *Clemens* 10440! Burma to the Moluccas.

7. *Schismatoglottis canaliculata* Engl. Pflanzenreich 55 (1915) 180.

Borneo, from plants cultivated at Buitenzorg, Java. Endemic.

8. *Schismatoglottis caulescens* Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 182; Gibbs in Journ. Linn. Soc. Bot. 44 (1905) 180.

Sarawak, *Ridley*; British North Borneo, *Gibbs* 4100. Endemic.

9. *Schismatoglottis concinna* Schott in Ann. Mus. Bot. Lugd.-Bat. 1 (1863) 281; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 95. *Schismatoglottis acuminatissima concinna* Engl. in DC. Monog. Phan. 2 (1879) 353; Hallier in Bull. Herb. Boiss. 6 (1898) 612.

Dutch Borneo, *Korthals*. Sumatra.

10. *Schismatoglottis conoidea* Engl. in Bull. Soc. Tosc. Ort. 4 (1879) 298, Becc. Malesia 1 (1885) 285, t. 22, f. 1-10; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 180; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 101.

Sarawak, *Beccari* 1971. Endemic.

11. *Schismatoglottis crassifolia* Engl. Pflanzenreich 55 (1912) 86.

Dutch Borneo, *Nieuwenhuis* 202, 422. Endemic.

12. *Schismatoglottis decora* Bull. Cat. (1884) 16; Kew Bull. Add. Series 4 (1900) 361; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 180.

Introduced into cultivation from Borneo. Endemic.

13. *Schismatoglottis emarginata* Engl. Pflanzenreich 55 (1912) 93.

Dutch Borneo, *Nieuwenhuis* 420, 393. Endemic.

14. *Schismatoglottis eximia* Engl. Pflanzenreich 55 (1912) 101.

Borneo, from specimens cultivated at Buitenzorg, Java. Endemic.

15. *Schismatoglottis fasciata* (Ridl.) Engl. Pflanzenreich 55 (1912) 87. *Homalomena fasciata* Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 174.

Sarawak, *Ridley*. Endemic.

16. *Schismatoglottis glauca* Engl. Pflanzenreich 55 (1912) 106.

Borneo, from specimens cultivated at Buitenzorg, Java. Endemic.

17. *Schismatoglottis grabowskii* Engl. Pflanzenreich 55 (1912) 121.

Dutch Borneo, *Grabowski*. Endemic.

18. *Schismatoglottis hastifolia* Engl. Pflanzenreich 55 (1912) 116.

Borneo, specimens cultivated at Buitenzorg, Java. Endemic.

19. *Schismatoglottis irrorata* Engl. Pflanzenreich 55 (1912) 109, f. 68.

Borneo, specimens cultivated at Buitenzorg, Java. Endemic.

20. *Schismatoglottis lancifolia* Hallier f. and Engl. in Engl. Pflanzenreich 55 (1912) 88.

? Borneo; cultivated at Buitenzorg, Java.

21. *Schismatoglottis latevaginata* Engl. Pflanzenreich 55 (1912) 106.

Borneo, specimens cultivated at Buitenzorg, Java. Endemic.

22. *Schismatoglottis longicuspis* Engl. Pflanzenreich 55 (1912) 100.

Borneo, specimens cultivated at Buitenzorg, Java. Endemic.

23. *Schismatoglottis longispatha* Bull. Cat. (1881) 20, fig.; Ill. Hort. 29 (1882) 159, t. 466; Kew Bull. Add. Series 4 (1900)

361; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 105; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 180.

Sarawak, *Ridley*. Endemic.

24. *Schismatoglottis modesta* Schott in Ann. Mus. Bot. Lugd.-Bat. 1 (1863) 125, 3 (1867) 81; Engl. in DC. Monog. Phan. 2 (1879) 351; Becc. Malesia 1 (1885) 288; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 180; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 113.

Sarawak, *Beccari* 946; Dutch Borneo, *Korthals*. Endemic.

25. *Schismatoglottis motleyana* (Schott) Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 180; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 102. *Apatemone motleyana* Schott Gen. Aroid. (1858) t. 57, Prodr. (1860) 318; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 81; Engl. in DC. Monog. Phan. 2 (1879) 355.

Labuan, *Motley*. Endemic.

26. *Schismatoglottis multiflora* Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 181; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 90.

Sarawak, *Ridley* 11582.

Var. *latifolia* Ridl. l. c.

Sarawak, *Bartlett*. Endemic.

27. *Schismatoglottis nervosa* Ridl. in Journ. Str. Branch Roy. As. Soc. 49 (1908) 50.

Sarawak, *Ridley*. Endemic.

28. *Schismatoglottis nieuwenhuisii* Engl. ex Winkler in Engl. Bot. Jahrb. 48 (1912) 95; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 112, f. 69.

Dutch Borneo, *Winkler* 2129, *Nieuwenhuis* 1485. Endemic.

29. *Schismatoglottis opaca* Engl. Pflanzenreich 55 (1912) 86.

Borneo, in cultivation at Buitenzorg, Java. Endemic.

30. *Schismatoglottis ovata* Schott in Ann. Mus. Bot. Lugd.-Bat. 1 (1863) 125, 3 (1867) 81; Engl. in DC. Monog. Phan. 2 (1879) 351; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 180; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 104.

Dutch Borneo, *Korthals*. Endemic.

31. *Schismatoglottis patentinervia* Engl. Pflanzenreich 55 (1912) 90.

Dutch Borneo, *Hallier* 3271. Endemic.

32. *Schismatoglottis picta* Schott, var. *trivittata* Hallier f. in Bot. Centralbl. 70 (1897) 221, Ann. Jard. Bot. Buitenz. 14 (1897) 260. *Schismatoglottis trivittata* Hallier f. in Ann. Jard. Bot. Buitenz. 13 (1896) 324, t. 30.

Dutch Borneo, *Hallier* 3456. The species in Sumatra and Java.

33. *Schismatoglottis pulchra* N. E. Br. in Ill. Hort. 31 (1884) 73, t. 520, Gard Chron. II 24 (1885) 361, f. 76; Hallier f. in Bull. Herb. Boiss. 6 (1898) 611; Kew Bull. Add. Series 4 (1900) 361; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 181; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 105.

Sarawak, *Ridley*. Endemic.

34. *Schismatoglottis pumila* Hallier f. ex Engl. Pflanzenreich 55 (1912) 111.

Dutch Borneo, *Hallier*; cultivated at Buitenzorg, Java. Endemic.

35. *Schismatoglottis pusilla* Engl. Bot. Jahrb. 1 (1881) 184; Hallier f. in Bull. Herb. Boiss 6 (1898) 612; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 180.

Sarawak, *Beccari*, fide *Ridley*; Dutch Borneo, *Jaheri*. Philippines.

36. *Schismatoglottis rotundifolia* Engl. Pflanzenreich 55 (1912) 122.

Borneo (?); described from specimens cultivated at Buitenzorg, Java, not certainly from Borneo.

37. *Schismatoglottis tectorata* (Schott) Engl. Pflanzenreich 55 (1912) 86. *Colobogynium tectoratum* Schott in Oester. Bot. Zeitschr. (1865) 34. *Schismatoglottis variegata* Hook. f. ex Engl. in DC. Monog. Phan. 2 (1879) 353; Kew Bull. Add. Series 4 (1900) 361; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 180.

Introduced into cultivation from Borneo. Endemic.

38. *Schismatoglottis trifasciata* Engl. Pflanzenreich 55 (1912) 106, f. 65.

Dutch Borneo, *Nieuwenhuis* 1991. Endemic.

39. *Schismatoglottis wigmannii* Engl. Pflanzenreich 55 (1912) 118, f. 72.

Borneo, cultivated at Buitenzorg, Java. Endemic.

40. *Schismatoglottis winkleri* Engl. ex Winkler in Engl. Bot. Jahrb. 48 (1912) 94; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 101.

Dutch Borneo, *Winkler* 3214. Endemic.

41. *Schismatoglottis zonata* Hallier f. in Ann. Jard. Bot. Buitenz. 13 (1896) 323, t. 29, Bull. Herb. Boiss 6 (1898) 619; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 121.

Dutch Borneo, *Hallier*. Endemic.

1. *Piptospatha acutifolia* Engl. Pflanzenreich 55 (1912) 128, f. 76.

Dutch Borneo, *Nieuwenhuis 1585*. Endemic.

2. *Piptospatha elongata* (Engl.) N. E. Brown in Curtis's Bot. Mag. sub. t. 7410; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 183; Journ. Bot. 51 (1913) 202; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 124, f. 75. *Schismatoglottis elongata* Engl. in Bull. Soc. Tosc. Ort. 4 (1879) 298. *Rhynchopyle elongata* Engl. Bot. Jahrb. 1 (1881) 183; Becc. Malesia 1 (1885) 289. *Gamogyne pulchra* N. E. Br. in Kew Bull. (1910) 197, fide Ridl. in Journ. Bot. 51 (1913) 202.

Sarawak, *Beccari 2308*; Dutch Borneo, *Grabowski, Teysmann, Nieuwenhuis 776*. Endemic: Ridley states that *Piptospatha elongata* var. *perakensis* Engl. is specifically distinct from the Bornean form and calls it *Piptospatha perakensis* (Engl.) Ridl. Journ. Bot. 51 (1913) 202.

3. *Piptospatha grabowskii* (Engl.) Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 183; Engl. Pflanzenreich 55 (1912) 125. *Rhynchopyle grabowskii* Engl. Bot. Jahrb. 25 (1898) 20.

Sarawak, *Haviland*; Dutch Borneo, *Grabowski*. Endemic.

4. *Piptospatha havilandii* Engl. Pflanzenreich 55 (1912) 128. *Rhynchopyle havilandii* Engl. Bot. Jahrb. 37 (1905) 125.

Sarawak, *Haviland 2191*. Endemic.

5. *Piptospatha insignis* N. E. Br. in Gard. Chron. 11 (1879) 138, f. 20; Hook. f. in Curtis's Bot. Mag. III 37 (1881) t. 6598; Engl. in DC. Monog. Phan. 2 (1879) 644; Kew Bull. Add. Series 4 (1900) 326; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 1821; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 127.

Sarawak, *Micholitz, Burbidge, Foxworthy 326!* Endemic.

6. *Piptospatha marginata* (Engl.) N. E. Br. in Curtis's Bot. Mag. sub. t. 7410; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 125; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 183. *Schismatoglottis marginata* Engl. in Bull. Soc. Tosc. Ort. 4 (1879) 298. *Rhynchopyle marginata* Engl. Bot. Jahrb. 1 (1881) 184, Becc. Malesia 1 (1885) 288, t. 23, f. 1-2.

Sarawak, *Beccari 3838*; Dutch Borneo, *Teysmann 11540*. Endemic.

7. **Piptospatha remiformis** Ridl. in Journ. Str. Branch Roy. As. Soc. 49 (1908) 51.

Sarawak, *Hewitt*. Endemic.

8. **Piptospatha rigidifolia** Engl. Pflanzenreich 55 (1912) 127.

Sarawak, *Ridley*; Dutch Borneo, *Nieuwenhuis* 292, 432, 282, 422. Endemic.

1. **Gamogyne burbidgei** N. E. Br. in Journ. Bot. 20 (1882) 195; Stapf. in Trans. Linn. Soc. Bot. 4 (1894) 243; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 123.

British North Borneo, *Burbidge*. An endemic monotypic genus.

1. **Bucephalandra motleyana** Schott Gen. Aroid. (1858) t. 56, Prodr. (1860) 319; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 81; Engl. in DC. Monog. Phan. 2 (1879) 354; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 122, f. 74.

Borneo, *Barber*, *Motley* 404. A monotypic endemic genus.

1. **Microcasia elliptica** Engl. in Bull. Soc. Tosc. Ort. 4 (1879) 299, Becc. Malesia 1 (1885) 290, t. 25, f. 2-3; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 130, f. 77, E-K; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 183.

Sarawak, *Beccari* 2817; Dutch Borneo, *Teysmann* 11539, 11541. Endemic.

2. **Microcasia pygmaea** Becc. in Bull. Soc. Tosc. Ort. 4 (1879) 179; Engl. in Becc. Malesia 1 (1885) 290, t. 22, f. 22-24; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 183; Engl. Arac. Exsic. No. 86; Engl. and Krause in Engl. Pflanzenreich 55 (1912) 129, f. 77, A-D.

Sarawak, *Beccari* 3883; Dutch Borneo, *Nieuwenhuis*. Endemic. An endemic genus.

1. **Aglaonema borneense** Engl. Pflanzenreich 64 (1915) 22.

Borneo, *Engler*, from specimens cultivated at Buitenzorg, Java. Endemic.

2. **Aglaonema lavalleyi** Hort. in Ill. Hort. (1881) t. 418; Lind. Cat. (1881) 1; Kew Bull. Add. Series 4 (1900) 16.

Introduced into cultivation from Borneo, its status uncertain. Sumatra.

3. **Aglaonema minus** Hook. f. Fl. Brit. Ind. 6 (1894) 530; Engl. Pflanzenreich 64 (1915) 53.

Dutch Borneo, *Nieuwenhuis* 673; Sarawak, *Native collector* 673! *Bur. Sci.* Malay Peninsula, Sumatra.

4. *Aglaonema oblongifolium* (Roxb.) Kunth Enum. 3 (1841) 55; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 178; Engl. Pflanzenreich 64 (1915) 13, f. 4. *Aglaonema nitidum* Kunth Enum. 1 (1847) 76; Becc. Malesia 1 (1885) 291; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 81.

Sarawak, *Beccari 1279, 2051, Haviland 972, Sarawak Museum 1473, Ridley*; Dutch Borneo, *Korthals*. Malay Peninsula, Boeroe, Lingga.

6. *Aglaonema schottianum* Miq. in Bot. Zeit. 40 (1856) 565, Fl. Ind. Bat. 3 (1856) 216; Becc. Malesia 1 (1885) 291; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 177; Engl. Pflanzenreich 64 (1915) 20. *Aglaonema propinquum* Schott in Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 280, 3 (1867) 81. *Aglaonema longecuspidatum* Schott Prodr. (1860) 304, Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 81.

Dutch Borneo, *Korthals*; Sarawak, *Beccari 1615, Ridley*.

Var. *winkleri* Engl. Bot. Jahrb. 48 (1912) 95, Pflanzenreich 64 (1915) 21, f. 7.

Dutch Borneo, *Winkler 2727*. Burma to Java.

7. *Aglaonema simplex* Blume Rumphia 1 (1835) 152, t. 65, et 36 D; Engl. Pflanzenreich 64 (1915) 22. *Aglaonema gracile* Schott in Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 279, 3 (1867) 81?

Dutch Borneo, *Nieuwenhuis 1567*; Sarawak, *Native collector 336!* *Bur. Sci.* Cochinchina to Java and Celebes.

1. *Aglaodorum griffithii* Schott Gen. Aroid (1858) t. 58, Prodr. (1860) 306; Becc. Malesia 1 (1885) 291; Engl. Pflanzenreich 64 (1915) 34, f. 16. *Aglaonema palustre* Teysm. and Binn. in Nat. Tijdschr. Nederl. Ind. 25 (1863) 399; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 177.

Sarawak, *Beccari 363, Ridley*. Malay Peninsula and Sumatra.

1. *Alocasia beccarii* Engl. in Bull. Soc. Tosc. Ort. 4 (1879) 300, Becc. Malesia 1 (1885) 293, t. 26, f. 1-4; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 179, 49 (1908) 48.

Sarawak, *Beccari 1674, Ridley*. Malay Peninsula.

2. *Alocasia cuprea* C. Koch in Wochenschr. Gartn. Pflanzenkunde 7 (1864) 90; Engl. in DC. Monog. Phan. 2 (1879) 509; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 179.

Introduced into cultivation from Borneo.

3. *Alocasia cuspidata* Engl. in Engl. Bot. Jahrb. 25 (1898) 25.

Dutch Borneo, *Grabowski*. Endemic.

4. *Alocasia denudata* Engl. in DC. Monog. Phan. 2 (1879) 507; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 178.

Sarawak, *Ridley*. Malay Peninsula, Lingga.

5. *Alocasia eminens* N. E. Br. in Gard. Chron. (1887) 105; Kew Bull. Add. Series 4 (1900) 19.

Introduced into cultivation from Borneo. Endemic.

6. *Alocasia guttata* Hort. var. *imperialis* Hort. in Ill. Hort. (1884) t. 541; Kew Bull. Add. Series 4 (1900) 20.

Introduced into cultivation from Borneo. Endemic.

7. *Alocasia indica* (Roxb.) Schott in Oest. Bot. Wochenbl. 4 (1854) 410; Engl. in DC. Monog. Phan. 2 (1879) 501; Engl. Bot. Jahrb. 25 (1898) 23; Becc. Malesia 1 (1885) 292.

Sarawak, *Beccari* 205, *Ridley*; Dutch Borneo, *Grabowski*. India to Malaya.

8. *Alocasia korthalsii* Schott in Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 124, 3 (1867) 81; Engl. in DC. Monog. Phan. 2 (1879) 509; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 179.

Dutch Borneo, *Korthals*. Endemic.

9. *Alocasia longiloba* Miq. Fl. Ind. Bat. 3 (1856) 207; Bot. Zeit. (1856) 564; Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 81; Becc. Malesia 1 (1885) 292; Engl. in DC. Monog. Phan. 2 (1879) 506; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 179; Winkler in Engl. Bot. Jahrb. 48 (1912) 95.

Sarawak, *Beccari* 382, 1286, 3481, *Foxworthy* 85!; Dutch Borneo, *Winkler* 2597, 2626. Malay Peninsula to Java and (?) Amboina.

10. *Alocasia lowii* Hook. f. in Curtis's Bot. Mag. III 19 (1863) t. 5376, 20 (1864) t. 5497; Engl. in DC. Monog. Phan. 2 (1879) 508; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 178; t. 360. *Caladium lowii* Lem. in Ill. Hort. (1863) t. 360.

Borneo, *Low*; Sarawak, *Ridley*. Malay Peninsula, Java.

11. *Alocasia macrorrhiza* (Linn.) Schott in Oester. Bot. Wochenbl. (1854) 409; Beccari Malesia 1 (1885) 292; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 178.

Sarawak, *Beccari* 1676, 2678, *Ridley*. India to Malaya; cultivated in the tropics generally.

12. *Alocasia metallica* Schott in Oester. Bot. Wochenbl. 4 (1854) 410; Hook. f. in Curtis's Bot. Mag. III 16 (1860) t. 5190;

Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 81; Fl. Ind. Bat. 3 (1856) 207.

Borneo; this is probably a form of *Alocasia indica* (Roxb.) Schott.

13. *Alocasia porphyroneura* Hallier f. ex Engl. in Engl. Bot. Jahrb. 15 (1898) 25, Bull. Herb. Boiss II 1 (1901) 671, t. 12. *Alocasia princeps* N. E. Br. ex Hallier f. in Bull. Herb. Boiss 6 (1898) 610.

Dutch Borneo *Hallier*. Endemic.

14. *Alocasia reginae* N. E. Br. in Gard. Chron. (1884) 711; Ill. Hort. (1885) t. 544; Kew Bull. Add. Series 4 (1900) 20.

Introduced into cultivation from Borneo.

15. *Alocasia sanderiana* Bull. Cat. (1884) 11, f. 3; Kew Bull. Add. Series 4 (1900) 21.

"Introduced into cultivation from Borneo" in Kew Bulletin l. c. is probably an error, as the species is a well known Philippine one.

16. *Alocasia scabriuscula* N. E. Br. in Gard. Chron. (1879) 2: 296; Kew Bull. Add. Series 4 (1900) 21; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 179.

Introduced into cultivation from Borneo.

17. *Alocasia thibautiana* Mast. in Gard. Chron. II 9 (1878) 527; III 17 (1895) 485, fig; N. E. Br. in Ill. Hort. 28 (1881) 72, t. 419; Kew Bull. Add. Series 4 (1900) 21.

Introduced into cultivation from Borneo.

18. *Alocasia veitchii* (Lindl.) C. Koch. in Wochenschr. Gartn. Pflanzenkunde 7 (1864) 90; Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 125, 3 (1867) 81. *Caladium veitchii* Lindl. in Gard. Chron. (1859) 740.

Borneo, fide *Koch* and *Miquel*. Java.

19. *Alocasia villanuevei* Lind. and Rod. in Ill. Hort. (1887) 59, t. 21; Kew Bull. Add. Series 4 (1900) 21; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 179, 49 (1908) 43.

Sarawak, *Ridley* 11715. Endemic.

1. *Colocasia esculentum* (Linn.) Schott Melet. 1 (1832) 18. *Colocasia antiquorum* Schott; Engl. in DC. Monog. Phan. 2 (1897) 491; Becc. Malesia 1 (1885) 279; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 178.

Commonly cultivated fide *Ridley*. A native of tropical Asia, now cultivated in all tropical countries; taro.

2. **Colocasia gigantea** (Schott) Hook. f. Fl. Brit. Ind. 6 (1893) 524; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 178.

British North Borneo, *Ridley*. Siam and Cochinchina to Java.

1. **Hapaline appendiculata** Ridl. in Journ. Str. Branch Roy. As. Soc. 49 (1908) 47; Burkill in Gard. Bull. S.S. 1 (1913) 192.

Sarawak, *Ridley*, *Anderson*. Endemic.

1. **Typhonium divaricatum** Dcne. var. **motleyanum** (Schott) Engl. in DC. Monog. Phan. 2 (1879) 612. *Typhonium motleyanum* Schott Prodr. (1860) 106; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 80; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 171; Engl. Arac. Exsic. No. 130.

Dutch Borneo, *Motley*. The variety also in Amboina, the species Ceylon to Japan and the Moluccas.

2. **Typhonium trilobatum** Schott in Weiner Zeitschr. 3 (1829) 72; Becc. Malesia 1 (1885) 295; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 171.

Sarawak, *Beccari 543, 717, 1082, Ridley*. Ceylon.

1. **Arisaema filiforme** Blume Rumphia 1 (1835) 102, t. 28; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 80.

Dutch Borneo, *Korthals*.

Var. **chlorospatha** Hallier f. in Bull. Herb. Boiss. 6 (1898) 604; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 172.

Central Borneo, *Hallier*. The variety endemic, the species in Java and Sumatra.

2. **Arisaema laminatum** Blume Rumphia 1 (1835) 99, t. 27; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 80.

Borneo, fide *Miquel*. Java.

3. **Arisaema microspadix** Engl. Bot. Jahrb. 37 (1906) 142; Ridl. in Journ. Bot. 51 (1913) 202.

Sarawak, *Brooks*. Java.

4. **Arisaema simplicifolium** Ridl. ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 171.

British North Borneo, *Gibbs 4099*. Endemic.

5. **Arisaema umbrinum** Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 171.

Sarawak, *Ridley*. Endemic.

1. **Cryptocoryne auriculata** Engl. in Becc. Malesia 1 (1885) 300, t. 28, f. 1-4; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 171.

Sarawak, *Beccari 3844*. Endemic.

2. **Cryptocoryne bullosa** Engl. in Bull. Soc. Tosc. Ort. 4 (1879) 302; Becc. Malesia 1 (1885) 298, t. 27, f. 1-2; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 170.

Sarawak, *Beccari* 3847. Endemic.

3. **Cryptocoryne caudata** N. E. Br. in Journ. Linn. Soc. Bot. 18 (1880) 242, t. 4.

Borneo, *Burbridge*. Endemic.

4. **Cryptocoryne ciliata** Fisch. ex Wydler in Linnaea 5 (1830) 428; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 80; Becc. Malesia 1 (1885) 297; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 169.

Sarawak, *Beccari* 610, 1067, *Hose*; Dutch Borneo, *Korthals*. Malay Peninsula to New Guinea.

5. **Cryptocoryne cordata** Griff. Not. 3 (1851) 138, t. 172; Engl. in DC. Monog. Phan. 2 (1879) 626; Becc. Malesia 1 (1885) 299, t. 28, f. 7-8; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 170.

Sarawak, *Beccari* 170, *Motley*. Malay Peninsula to Java.

6. **Cryptocoryne ferruginea** Engl. in Bull. Soc. Tosc. Ort. 4 (1879) 302; Becc. Malesia 1 (1885) 299, t. 28, f. 7-8.

Sarawak, *Beccari* 3983. Endemic.

7. **Cryptocoryne grabowskii** Engl. Bot. Jahrb. 25 (1898) 28.

Borneo, *Grabowski*. Endemic.

8. **Cryptocoryne grandis** Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 170.

Sarawak, *Haviland* 2319. Endemic.

9. **Cryptocoryne lingua** Engl. in Bull. Soc. Tosc. Ort. 4 (1879) 301; Becc. Malesia 1 (1885) 299, t. 27, f. 3-4; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 171.

Sarawak, *Beccari* 3998, *Haviland* 3129. Endemic.

10. **Cryptocoryne longicauda** Engl. in Bull. Soc. Tosc. Ort. 4 (1879) 302; Becc. Malesia 1 (1885) 299; Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 170.

Sarawak, *Beccari*. Endemic.

11. **Cryptocoryne pallidinervia** Engl. in Bull. Soc. Tosc. Ort. 4 (1879) 300; Becc. Malesia 1 (1885) 298; Ridl. l. c. 170.

Sarawak, *Beccari* 3857. Endemic.

12. **Cryptocoryne spathulata** Engl. in Bull. Soc. Tosc. Ort. 4 (1879) 300; Becc. Malesia 1 (1885) 300, t. 28, f. 56; Ridl. l. c. 171.

Sarawak, *Beccari* 3917. Endemic.

13. **Cryptocoryne striolata** Engl. in Bull. Soc. Tosc. Ort. 4 (1879) 301; Becc. Malesia 1 (1885) 298, t. 27, f. 5; Ridl. l. c. 170.

Sarawak, *Beccari* 1240, *Haviland* 2375.

Var. **cordifolia** Ridl. in Journ. Str. Branch Roy. As. Soc. 49 (1908) 47.

Sarawak, *Ridley*. Endemic.

1. **Pistia stratiotes** Linn. Sp. Pl. (1753) 963.

British North Borneo, *Clemens* 9707! Pantropic.

Flagellariaceae.

1. **Flagellaria indica** Linn. Sp. Pl. (1753) 333; Rendle in Journ. Bot. 39 (1901) 177; Winkler in Engl. Bot. Jahrb. 44 (1910) 526; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 167.

Sarawak, *Hose* 609!, 166! *Foxworthy* 514!, *Native collector* 317!, 318!, 825 bis!, 829!, 984!, 1283!, 1681!, 1881!, 1927!; Dutch Borneo, *Winkler* 3079; British North Borneo, *Gibbs* 2584, *Clemens* 9632!, *Villamil* 126!, 188! Tropical Africa and Asia to Australia and Polynesia.

1. **Joinvillea borneensis** Becc. Nelle Foreste di Borneo (1902) 198. *Joinvillea malayana* Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 199.

Sarawak, *Beccari*, *Bartlett*, *Native collector* 1707! *Bur. Sci.*; British North Borneo, *Clemens* 9902!, 10799! Malay Peninsula, Palawan.

1. **Hanguana malayana** (Jack) Merr. in Philip. Journ. Sci. 10 (1915) Bot. 3. *Susum malayanum* Planch.; Winkler in Engl. Bot. Jahrb. 44 (1910) 528.

Dutch Borneo, *Winkler* 2855, 3340; Sarawak, *Foxworthy* 363!, 374!, *Native collector* 352!, 344!, 1004!, 1284!, 1607!, 2189!, 2190! *Bur. Sci.*; British North Borneo, *Clemens* 10140!, 10144! 11108! Malay Peninsula and Archipelago, Philippines.

Centrolepidaceae.

1. **Centrolepis kinabaluensis** Gibbs Contr. Phytogeog. Fl. Dutch New Guinea (1917) 99. *Centrolepis philippinensis* Turrill ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 172, non Merr.

British North Borneo, *Gibbs* 4202, 4207. Endemic; very close to the Philippine *Centrolepis philippinensis* Merr.

Xyridaceae.

1. *Xyris anceps* Lam. Ill. 1 (1791) 132; Winkler in Engl. Bot. Jahrb. 44 (1910) 526; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 167.

Dutch Borneo, *Winkler* 3322; British North Borneo, *Gibbs* 2595, *Clemens* 9592!, 9677!, *Topping* 1413!; Labuan, *Merrill*! India to Malaya.

2. *Xyris bancana* Miq. Fl. Ind. Bat. Suppl. (1862), 608; Ridl. Mater. Fl. Malay Penin. 2 (1907) 112; Hallier f. in Beihefte Bot. Centralbl. 34|2 (1916) 45.

Labuan, fide *Ridley*, *Schlechter* 13225. Malay Peninsula, Banca, Java.

3. *Xyris complanata* R. Br. Prodr. (1810) 256; Hallier f. in Beihefte Bot. Centralbl. 34|2 (1916) 45.

Sarawak, *Schlechter* 13206. India to eastern Australia.

4. *Xyris pauciflora* Willd. Phytogr. 1 (1794) 2, t. 1, f. 1; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 167.

British North Borneo, *Gibbs* 2972, 3006, *Clemens* 10539!; Labuan, *Merrill*! India to Celebes.

Eriocaulonaceae.

1. *Eriocaulon brevipedunculatum* Merr. in Philip. Journ. Sci. 2 (1907) Bot. 265.

British North Borneo, *Haslam*!, *Clemens* 10611! Mindoro.

2. *Eriocaulon hookerianum* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 243; Ruhl. in Engl. Pflanzenreich 13 (1903) 83; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 172.

British North Borneo, *Burbidge*, *Low*, *Haviland* 1153, 1204, *Clemens* 10874!, 10992!, 10542!, *Haslam*!, *Topping* 1650!, 1885!, 1887!; Sarawak, *Beccari* 2420. Endemic.

3. *Eriocaulon longifolium* Nees ex Kunth Enum. 2 (1841) 567; Koernicke in Miq. Ann. Mus. Bot. Lugd. Bat. 3 (1867) 241; Hallier f. in Beihefte Bot. Centralbl. 24|2 (1916) 45.

Dutch Borneo, *Korthals*, *Teysmann* 11556, *Hallier* 1172, *Schlechter* 13209; British North Borneo, *Clemens* 9685!. Ceylon to Madagascar, southern China, and Malaya.

4. *Eriocaulon sexangulare* Linn. Sp. Pl. (1753) 87; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 172.

British North Borneo, *Gibbs* 2596. India to southern China.

5. *Eriocaulon truncatum* Ham. ex Mart. in Wall. Pl. As. Rar. 3 (1832) 29; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 172; Hallier f. in Beihefte Bot. Centralbl. 34|2 (1916) 46.

Labuan, *Schlechter* 13221; Dutch Borneo, *Winkler* 3358; British North Borneo, *Gibbs* 2597, 2602 bis, *Clemens* 9595! 9698!, *Topping* 1478!, 1938! *Haslam*! India to Indo-China and Java.

6. *Eriocaulon xeranthemum* Mart. in Wall. Pl. As. Rar. 3 (1832) 29; *Gibbs* in Journ. Linn. Soc. Bot. 42 (1914) 172.

British North Borneo, *Gibbs* 3077. India to Penang.

Bromeliaceae.

1. *Ananas comosus* (Linn.) Merr. Interpret. Herb. Amb. (1917) 133. *Ananas sativus* Schultes f.; *Beccari* Nelle Foreste di Borneo (1912) 599.

The pineapple, a native of tropical America, now pantropic.

Pontederiaceae.

1. *Monochoria hastata* (Linn.) Solms in DC. Monog. Phan. 4 (1883) 523. *Monochoria hastaefolia* Presl; *Rendle* in Journ. Bot. 39 (1901) 177; *Gibbs* in Journ. Linn. Soc. Bot. 42 (1914) 166.

Sarawak, *Hose* 508!; British North Borneo, *Gibbs* 4343. India to China and Malaya.

2. *Monochoria vaginalis* (Burm.) Presl Rel. Haenk. 1 (1827) 128; *Winkler* in Engl. Bot. Jahrb. 44 (1910) 526.

Dutch Borneo, *Winkler*; Sarawak, *Native collector* 846! *Bur. Sci.* Tropical Africa and Asia to Japan and Malaya.

1. *Eichornia crassipes* (Mart.) Solms in DC. Monog. Phan. 4 (1883) 527; *Winkler* in Engl. Bot. Jahrb. 44 (1910) 527.

Dutch Borneo, *Winkler* 3123, *Foxworthy* 540! A native of South America now widely distributed in the tropics of both hemispheres.

Commelinaceae.

1. *Pollia elegans* Hassk. ex Hallier f. in Beihefte Bot. Centralbl. 34|2 (1916) 51. *Aclisia elegans* Hassk. in Miq. Pl. Jungh. (1851) 49.

Dutch Borneo, *Korthals*, *Winkler* 2677. India to the Sunda Islands; considered by C. B. Clarke as a variety (var. *indica*) of *Pollia sorzogonensis* Endl.

2. *Pollia pumila* Hallier f. in Beihefte Bot. Centralbl. 34|2 (1916) 52.

Dutch Borneo, *Neuwenhuis* 764, 520, 395. Endemic.

3. **Pollia sorzogonensis** (E. Mey.) Steud. Nomencl. ed. 2, 2 (1841) 368; C. B. Clarke in DC. Monog. Phan. 3 (1881) 126; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 167.

Borneo, fide Clarke; British North Borneo, Gibbs 2651, Clemens 9967! 10404!, Yates!

Var. **gigantea** (Hassk.) C. B. Clarke in DC. Monog. Phan. 3 (1881) 127. *Aclisia gigantea* Hassk. Commel. Ind. (1870) 46.

Dutch Borneo, Korthals. India to southern China and Malaya.

4. **Pollia subumbellata** C. B. Clarke in Journ. Linn. Soc. Bot. 11 (1871) 451 var. **glabra** Hallier f. in Beihefte Bot. Centralbl. 34|2 (1916) 52.

Dutch Borneo, Hallier 1547, 2804. India.

5. **Pollia sumatrana** Hassk. Commel. Ind. (1870) 56; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 167.

British North Borneo, Gibbs 2869. Sumatra and (?) the Philippines.

6. **Pollia thyrsiflora** (Blume) Steud. Nomencl. ed. 2, 2 (1841) 368; Hallier in Beihefte Bot. Centralbl. 34|2 (1916) 51.

Dutch Borneo, Hallier, Amdjah; Sarawak, Native collector 1285! Bur. Sci. Andamans to the Philippines, southward to New Guinea.

1. **Commelina nudiflora** Linn. Sp. Pl. (1753) 61; Hallier f. in Beihefte Bot. Centralbl. 34|2 (1916) 50.

Sarawak, Haviland; Dutch Borneo, Korthals; British North Borneo, Clemens 11231! Warmer parts of the World.

2. **Commelina obliqua** Ham. in Don Prodr. Fl. Nepal. (1825) 45; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 167.

British North Borneo, Gibbs 2651. India and Ceylon to Java.

3. **Commelina paleata** Hassk. in Miq. Pl. Jungh. (1852) 139; Hallier f. in Beihefte Bot. Centralbl. 34|2 (1916) 51.

Dutch Borneo, Winkler 2986. India to Java and Ceram.

4. **Commelina salicifolia** Roxb. Fl. Ind. 1 (1820) 172; Hassk. Commel. Ind. (1870) 27 (var. *angustata* Hassk.)

Dutch Borneo, Korthals. India to Mauritius and Java.

1. **Aneilema elatum** (Vahl) Kunth Enum. 4 (1843) 70. *Aneilema herbaceum* Wall.; Hallier f. in Beihefte Bot. Centralbl. 34|2 (1916) 49.

Dutch Borneo, Nieuwenhuis. India to Malaya.

2. **Aneilema giganteum** (Vahl) R. Br. Prodr. (1810) 271; C. B. Clarke in DC. Monog. Phan. 3 (1881) 212.

Borneo, *Motley*. Tropical Africa and Asia to tropical Australia.

3. ***Aneilema malabaricum*** (Linn.) Merr. in *Philip. Journ. Sci.* 7 (1912) Bot. 232. *Aneilema nudiflorum* R. Br.; Hallier f. in *Beihefte Bot. Centralbl.* 34|2 (1916) 49.

Dutch Borneo, *Winkler* 2269; British North Borneo, *Clemens* 9474! India to southern China and Malaya.

4. ***Aneilema ovatum*** Wall. *Cat.* (1832) No. 5206; C. B. Clarke in *DC. Monog. Phan.* 3 (1881) 218; Hallier f. in *Beihefte Bot. Centralbl.* 34|2 (1916) 50.

Sarawak, *Schlechter* 13420; Dutch Borneo, *Winkler* 2121, *Motley*. Burma to Malaya.

5. ***Aneilema scaberrimum*** (Blume) Kunth *Enum.* 4 (1843) 69; Merr. in *Journ. Str. Branch Roy. As. Soc.* 76 (1917) 80.

British North Borneo, *Topping* 1530! *Clemens* 9924!, 10033! India to Sumatra and Java.

1. ***Forrestia hirsuta*** Hallier f. in *Beihefte Bot. Centralbl.* 34|2 (1916) 47.

Dutch Borneo, *Hallier* 2617. Endemic.

2. ***Forrestia hispida*** Less. and A. Rich. *Sert. Astrolab.* (1834) 2, t. 1; Hallier f. in *Beihefte Bot. Centralbl.* 34|2 (1916) 46 (Var. *typica* et var. *glabrior* Hallier f.).

Dutch Borneo, *Korthals*, *Hallier* 2600, *Teysmann* 8244, *Winkler* 2120. New Guinea.

3. ***Forrestia marginata*** (Blume) Hassk. in *Flora* (1864) 630; Rendle in *Journ. Bot.* 39 (1901) 177; Hallier f. in *Beihefte Bot. Centralbl.* 34|2 (1916) 47.

Sarawak, *Hose* 370!; Dutch Borneo, *Teysmann* 11551, *Hallier* 3001; British North Borneo, *Topping* 1535!. Malay Peninsula to Java and Sumatra.

4. ***Forrestia rostrata*** Hassk. in *Flora* (1864) 631; Hallier f. in *Beihefte Bot. Centralbl.* 34|2 (1916) 48 (var. *leiocarpa* Hallier f.).

Borneo, fide *Hallier* l. c. Java.

1. ***Cyanotis capitata*** (Blume) C. B. Clarke in *DC. Monog. Phan.* 3 (1881) 243; Gibbs. in *Journ. Linn. Soc. Bot.* 42 (1914) 167; Hallier f. in *Beihefte Bot. Centralbl.* 34|2 (1916) 49.

Dutch Borneo, *Motley*, *Winkler* 3034; British North Borneo, *Gibbs* 2649. India to Japan southward to New Guinea.

1. ***Floscopa scandens*** Lour. *Fl. Cochinch.* (1790) 193; Hallier f. in *Beihefte Bot. Centralbl.* 34|2 (1916) 46.

Dutch Borneo, *Winkler 2362!*; Sarawak, *Native collector 2558!* *Bur. Sci.*; British North Borneo, *Clemens 9709!* India to China southward to Australia.

Liliaceae.

1. ***Petrosavia stellaris*** Becc. in Nuov. Giorn. Bot. Ital. 3 (1871) 8, t. 1; Scheff. in Nat. Tijdschr. Nederl. Ind. 34 (1874) 71.

Sarawak, *Beccari 2399*. Endemic.

1. ***Dianella ensifolia*** (Linn.) Red. Lil. (1802) t. 1; Stapf. in Trans. Linn. Soc. Bot. 4 (1894) 242; Rendle in Journ. Bot. 39 (1901) 177; Winkler in Engl. Bot. Jahrb. 44 (1910) 527.

Sarawak, *Hose 150!*, *Native collector 315!*, 446!, 847!, 978!, 1496!, 1912! *Bur. Sci.*; British North Borneo, *Haviland 1156,* 1260, *Burbidge, Haslam!*; Dutch Borneo, *Winkler 2361, 3416*. India to Polynesia.

2. ***Dianella javanica*** (Blume) Kunth Enum. 5 (1850) 50. *Rhuacophila javanica* Blume; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 166.

British North Borneo, *Gibbs 4157, Clemens 10886!* Malay Peninsula to Malaya and the Philippines.

1. ***Taetsia fruticosa*** (Linn.) Merr. Interpret. Herb. Amb. (1917) 137. *Dracaena terminalis* Kunth; Becc. Nelle Foreste di Borneo (1910) 116.

Cultivated in Borneo, as it is generally throughout the Indo-Malayan-Polynesian region.

1. ***Pleomele angustifolia*** (Roxb.) N. E. Br. in Kew Bull. (1914) 277. *Dracaena angustifolia* Roxb.; Rendle in Journ. Bot. 39 (1901) 117.

Sarawak, *Hose 542!* India, through Malaya to Australia.

2. ***Pleomele aurantiaca*** (Wall.) N. E. Br. in Kew Bull. (1914) 277. *Dracaena aurantiaca* Wall.; Ridl. Mater. Fl. Malay Penin. (Monocot.) 2 (1907) 99.

Borneo, fide *Ridley l. c.* Malay Peninsula.

3. ***Pleomele congesta*** (Ridl.) N. E. Br. in Kew Bull. (1914) 277. *Dracaena congesta* Ridl. in Trans. Linn. Soc. 3 (1893) 388; Mater. Fl. Malay Penin. (Monocot.) 2 (1907) 98.

Borneo, fide *Ridley l. c.* Malay Peninsula.

4. ***Pleomele graminifolia*** (Wall.) N. E. Br. in Kew Bull. (1914) 278. *Dracaena graminifolia* Wall.; Rendle in Journ. Bot. 39 (1901) 177. *Dracaena finlaysoni* Baker in Journ. Bot. 11 (1873) 261.

Sarawak, *Hose* 527! Malay Peninsula.

5. **Pleomele granulata** (Hook. f.) N. E. Br. in Kew Bull. (1914) 278. *Dracaena granulata* Hook. f.; Winkler in Engl. Bot. Jahrb. 44 (1910) 527.

Dutch Borneo, *Winkler* 2421, det. as probably representing this species. Malay Peninsula.

6. **Pleomele griffithii** (Regel) N. E. Br. in Kew Bull. (1914) 278. *Dracaena elliptica* Thunb. var. *griffithii* (Regel) Baker in Journ. Bot. 11 (1873) 264.

Borneo, *Motley* 202. Malay Peninsula.

7. **Pleomele hewittii** (Ridl.) comb. nov. *Dracaena hewittii* Ridl. in Sarawak Mus. Journ. 1 (1912) 38.

Sarawak, *Hewitt*. Endemic.

8. **Pleomele sarawakensis** W. W. Sm. in Notes Bot. Gard. Edinburgh 8 (1915) 325.

Sarawak, *Haviland* 3126. Endemic.

Dracaena venosa Bull. Cat. (1883) 13; Kew Bull. Add. Ser. 4 (1900) 166, probably is a representative of *Pleomele*, but its status is uncertain.

Introduced into cultivation from Borneo. Endemic.

1. **Ophiopogon malayanus** Ridl. in Journ. Str. Branch Roy. As. Soc. 41 (1904) 34; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 165.

British North Borneo, *Gibbs* 4103, 4004, 3996, *Clemens* 10056!, 10175! Malay Peninsula.

1. **Aletris foliolosa** Stapf in Trans Linn. Soc. Bot. 4 (1894) 240.

British North Borneo, *Haviland* 1125a, b, *Haslam*!, *Clemens* 10535!, 10541!, 10890! Sumatra.

2. **Aletris rigida** Stapf op. cit. 241; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 164.

British North Borneo, *Low*, *Haviland* 1125c, *Gibbs* 4041, 4231, *Clemens* 10635! Endemic.

1. **Peliosanthes albida** Baker in Curtis's Bot. Mag. (1890) t. 7110; Ridl. Mater. Fl. Malay Penin. 2 (1907) 90.

Borneo, fide *Ridley*. This is possibly the form reported by Gibbs in Journ. Linn. Soc. Bot. 42 (1916) 164, as *Peliosanthes* sp. (*Gibbs* 2864). Malay Peninsula.

1. **Heterosmilax borneensis** A. DC. Monog. Phan. 1 (1878) 42.

Borneo, *Motley 1211*. Endemic.

2. **Heterosmilax indica** A. DC. Monog. Phan. 1 (1878) 43; Winkler in Engl. Bot. Jahrb. 44 (1910) 527.

Dutch Borneo, *Winkler 2644*. India.

1. **Smilax borneensis** A. DC. Monog. Phan. 1 (1878) 202.

Dutch Borneo, *Korthals, Motley 319*. Endemic.

2. **Smilax helferi** A. DC. Monog. Phan. 1 (1878) 186; Winkler in Engl. Bot. Jahrb. 44 (1910) 527, var.

Dutch Borneo, *Winkler 2835*. Tenasserim and the Malay Peninsula.

3. **Smilax korthalsii** A. DC. Monog. Phan. 1 (1878) 48.

Dutch Borneo, *Korthals*. Endemic.

4. **Smilax laevis** Wall. Cat. (1832) No. 5116; A. DC. Monog. Phan. 1 (1878) 56; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 242.

British North Borneo, *Haviland 1145, Clemens 9954!, 10828!, 10523!, 10829!*; Sarawak, *Native collector 1966!* *Bur. Sci. Malay Peninsula and southern China*.

5. **Smilax leucophylla** Blume Enum. Pl. Jav. (1827) 18; Stapf. in Trans. Linn. Soc. Bot. 4 (1894) 242; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 166.

British North Borneo, *Haviland 1226, Gibbs 2877*; Sarawak, *Native collector 841!* *Bur. Sci. Indo-China and the Malay Peninsula to the Philippines and the Moluccas*.

6. **Smilax odoratissima** Blume Enum. Pl. Jav. (1827) 19; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 242; Rendle Journ. Bot. 39 (1901) 177;

Sarawak, *Hose 442!*, British North Borneo, *Haviland 1293, Clemens 9451!, 11210!, 9990!* Java.

Amaryllidaceae.

1. **Crinum amabile** Donn Hort. Cantabr. ed. 6 (1811) 83; Winkler in Engl. Bot. Jahrb. 44 (1910) 528.

Dutch Borneo, *Winkler 2984*. Sumatra.

2. **Crinum asiaticum** Linn. Sp. Pl. (1753) 292; Winkler in Engl. Bot. Jahrb. 44 (1910) 527.

Dutch Borneo, *Winkler 3451*; Sarawak, *Foxworthy 283!*; British North Borneo, *Clemens!* India to Polynesia.

3. **Crinum defixum** Ker in Quart. Journ. Sci. Art. 3 (1817) 105; Ridl. Mater Fl. Malay Penin. (Monocot.) 2 (1907) 68.

Borneo, fide *Ridley* l. c. India to Malay Peninsula.

4. **Crinum northianum** Baker in Gard. Chron. II 18 (1882) 264, Handbook Amaryl. (1888) 82.

Sarawak, fide *Baker* l. c. Endemic.

1. **Eurycles amboinensis** (Linn.) Lindl. in Loud. Encycl. Pl. (1829) 242; Becc. Nelle Foreste di Borneo (1902) 116.

Sarawak, *Beccari*. Malay Archipelago.

1. **Curculigo latifolia** Dryand. in Ait. Hort. Kew. ed. 2, 2 (1811) 253; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 165.

British North Borneo, *Gibbs* 3123. India to Malaya.

2. **Curculigo orchoides** Gaertn. Fruct. 1 (1788) 63, t. 16.

British North Borneo, *Clemens* 9564! India to Malaya.

3. **Curculigo racemosa** Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 198.

Sarawak, *Ridley*, *Native collector* 478!, 985!, 2409! *Bur. Sci.* Endemic.

4. **Curculigo villosa** Wall. Cat. (1832) No. 5763. *Molineria villosa* Kurz in Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 176.

Sarawak, *Native collector* 638! *Bur. Sci.* Malay Peninsula and Archipelago.

1. **Hypoxis aurea** Lour. Fl. Cochinch. (1790) 200; Winkler in Engl. Bot. Jahrb. 44 (1910) 528; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 165.

Dutch Borneo, *Winkler* 3397; British North Borneo, *Gibbs* 2969. India to Japan, through Malaya to the Solomon Islands.

Taccaceae.

1. **Tacca borneensis** Ridl. in Journ. Str. Branch Roy. As. Soc. 49 (1908) 45.

Sarawak, *Ridley*. Endemic.

2. **Tacca laevis** Roxb. Fl. Ind. ed. 2, 2 (1832) 171; Winkler in Engl. Bot. Jahrb. 44 (1910) 528.

Dutch Borneo, *Winkler* 2741. India to Tonkin and Java.

3. **Tacca palmata** Blume Enum. Pl. Jav. 1 (1827) 83; Winkler in Engl. Bot. Jahrb. 44 (1910) 528; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 165.

Dutch Borneo, *Winkler* 2962; British North Borneo, *Gibbs* 2853, *Clemens* 9878!; Sarawak, *Native collector* 2664! *Bur. Sci.* Malay Archipelago and the Philippines.

Dioscoreaceae.

1. **Dioscorea bulbifera** Linn. Sp. Pl. (1753) 1035.
British North Borneo, *Clemens 9818!* India to Polynesia; introduced into tropical America and Africa.
2. **Dioscorea glabra** Roxb. var. **salicifolia** (Blume) Prain and Burkill in Journ. As. Soc. Beng. II 10 (1914) 37. *Dioscorea glaberrima* Ridl. ex Winkler in Engl. Bot. Jahrb. 44 (1910) 528.
Sarawak, *Native collector 2467!* *Bur. Sci.*; Dutch Borneo, *Winkler 2645.* Java.
3. **Dioscorea havilandii** Prain and Burkill in Journ. As. Soc. Beng. II 10 (1914) 39.
Sarawak, *Haviland 1816, Native collector 310!, 386!, 453!, 842!* *Bur. Sci.* Billiton, Banca.
4. **Dioscorea hispida** Dennst. Schluss. Hort. Malabar. (1818) 33. *Dioscorea daemonia* Roxb.; Winkler in Engl. Bot. Jahrb. 44 (1910) 528. *Dioscorea triphylla* Prain and Burkill in Journ. As. Soc. Beng. II 10 (1914) 25, non Linn.
Dutch Borneo, *Winkler 3098.* India to Malaya.
5. **Dioscorea myriantha** Kunth Enum. 5 (1850) 382.
British North Borneo, *Clemens!*; Sarawak, *Native collector 1278!* *Bur. Sci.* Philippines, Celebes, Moluccas, Java.
6. **Dioscorea nummularia** Lam. Encycl. 3 (1789) 231.
British North Borneo, *Clemens 10156!* Philippines through the Moluccas to Prince of Wales Island.
7. **Dioscorea orbiculata** Hook. f. Fl. Brit. Ind. 6 (1892) 292; Prain and Burkill in Journ. As. Soc. Beng II 10 (1914) 31; Winkler in Engl. Bot. Jahrb. 44 (1910) 528.
Dutch Borneo, *Winkler 3344.* Malay Peninsula, Sumatra.
8. **Dioscorea pentaphylla** Linn. Sp. Pl. (1753) 1032 var. **malaica** Prain and Burkill in Journ. As. Soc. Beng II 10 (1914) 23.
British North Borneo, *Clemens 10026!* India to Malaya, exceedingly variable.
9. **Dioscorea pyrifolia** Kunth Enum. 5 (1850) 384; Rendle in Journ. Bot. 39 (1901) 177; Prain and Burkill in Journ. As. Soc. Beng. 10 (1914) 33; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 165.
Sarawak, *Hose 80!*; *Native collector 309!, 406!, 824!, 1054!*, *Bur. Sci.*; British North Borneo, *Gibbs 4297.* Cambodia, Malay Peninsula, Sumatra, Java, Timor.

10. **Dioscorea ridleyi** Prain and Burkill in Journ. As. Soc. Beng. II 10 (1914) 12.

Sarawak, *Ridley 11710, Native collector 1278 Bur. Sci.*; Endemic.

1. **Stenomeris borneensis** Oliver in Hook. Ic. Pl. IV 4 (1894) t. 2328; Winkler in Engl. Bot. Jahrb. 44 (1910) 528.

Sarawak, *Haviland 1664, Hose 126!*; Dutch Borneo, *Winkler 3302*. Malay Peninsula.

Iridaceae.

1. **Patersonia borneensis** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 242, t. 20, f. A 1-6; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 165.

British North Borneo, *Haviland 1179, Gibbs 3124, Clemens 10545!*, *Topping 1646!*, *Haslam!* Endemic.

2. **Patersonia lowii** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 241, t. 20, f. B 7-9.

British North Borneo, *Haviland 1259*. Mindoro.

Musaceae.

1. **Musa borneensis** Becc. Nelle Foreste di Borneo (1902) 612, 622, f. 76, 80; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 246.

Sarawak, *Beccari 3356*. Endemic.

2. **Musa campestris** Becc. l. c. 622, f. 79; Ridl. l. c. 246.

Sarawak, *Beccari 2722*. Endemic.

3. **Musa hirta** Becc. l. c. 612, 624, f. 78; Ridl. l. c. 246.

Sarawak, *Beccari 3349*. Endemic.

4. **Musa microcarpa** Becc. l. c. 623, f. 77, 81; Ridl. l. c. 246.

Sarawak, *Beccari 3351*. Endemic.

5. **Musa paradisiaca** Linn. Sp. Pl. (1753) 1043.

The plantain, cultivated in Borneo as in other tropical countries.

6. **Musa sapientum** Linn. Syst. ed. 10 (1759) 1303; Beccari Nelle Foreste di Borneo (1902) 600.

The banana, cultivated in Borneo as in other tropical countries.

7. **Musa textilis** Nee in Ann. Cienc. Nat. 4 (1801) 123; Pryer in Kew Bull. (1898) 15.

The Manila hemp or abaca plant, cultivated in British North Borneo. Philippines.

8. **Musa violascens** Ridl. in Trans. Linn. Soc. Bot. 3 (1893) 384, Journ. Str. Branch Roy. As. Soc. 46 (1906) 246.

Sarawak, *Ridley*. Malay Peninsula.

1. **Orchidantha borneensis** N. E. Brown in Gard. Chron. II 26 (1886) 519; Kew Bull. Add. Series 4 (1900) 304; K. Schum. in Engl. Pflanzenreich 1 (1900) 42. *Lowia borneensis* Baker in Curtis's Bot. Mag. sub t. 7351.

Introduced into European cultivation from Borneo. Endemic.

Zingiberaceae.

1. **Hedychium coronarium** Koenig in Retz. Obs. 3 (1783) 73; K. Schum. in Engl. Bot. Jahrb. 27 (1899) 340; Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868) 99.

Dutch Borneo, *Korthals*, *Doessa*; Sarawak, *Native collector 1478*; *Bur. Sci.* A native of India, now cultivated and often spontaneous in most tropical countries.

2. **Hedychium hasseltii** Blume Enum. Pl. Jav. 1 (1827) 56; K. Schum. in Engl. Bot. Jahrb. 27 (1899) 341.

Sarawak, *Beccari 3558*. Java.

3. **Hedychium licmeres** Ridl. in Journ. Str. Branch Roy. As. Soc. 49 (1908) 44. (The genus is indicated only by the abbreviation H., but *Hedychium* is apparently intended).

Sarawak, *Hewitt*. Endemic.

1. **Camptandra angustifolia** Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 232. *Camptandra parvula* (Baker) Ridl. var. *angustifolia* Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 194; K. Schum. in Engl. Pflanzenreich 20 (1904) 63.

Sarawak, *Ridley*, *Haviland*. Endemic.

1. **Kaempferia atrovirens** N. E. Br. in Ill. Hort. 33 (1886) 143, t. 610; K. Schum. in Engl. Pflanzenreich 20 (1904) 83; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 233.

Introduced into European cultivation from Borneo. Endemic.

2. **Kaempferia decus** Hallier f. in Ann. Jard. Bot. Buitenz. 13 (1896) 321, t. 27, f. 4; K. Schum. in Engl. Pflanzenreich 20 (1904) 79; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 233.

Dutch Borneo, *Hallier*. Endemic.

3. **Kaempferia gracillima** K. Schum. in Engl. Pflanzenreich 20 (1904) 74; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 232.

Sarawak, *Haviland* 448. Endemic.

4. **Kaempferia ornata** N. E. Br. in Ill. Hort. 31 (1884) 159, t. 537; Gard. Chron. 24 (1885) 328, f. 69; Kew Bull. Add. Series 4 (1900) 220; K. Schum. in Engl. Bot. Jahrb. 27 (1889) 338; Engl. Pflanzenreich 20 (1904) 83.

Introduced into European cultivation from Borneo. Endemic.

5. **Kaempferia pandurata** Roxb. Asiat. Research. 11 (1810) 328, t. 2; K. Schum. in Engl. Bot. Jahrb. 27 (1899) 338.

Sarawak, *Beccari* 8227. India to Java.

1. **Haplochorema extensum** K. Schum. in Engl. Bot. Jahrb. 27 (1899) 333; Engl. Pflanzenreich 20 (1904) 91; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 233.

Sarawak, *Beccari* 3218. Endemic.

2. **Haplochorema gracilipes** K. Schum. l. cc. 332, 90; Ridl. l. c.

Sarawak, *Beccari* 2839. Endemic.

3. **Haplochorema oligospermum** K. Schum. in Engl. Pflanzenreich 20 (1904) 90. *Kaempferia oligosperma* K. Schum. in Engl. Bot. Jahrb. 20 (1904) 90.

Sarawak, *Beccari* 3307. Endemic.

4. **Haplochorema petiolatum** K. Schum. l. c.; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 233.

Sarawak, *Haviland* 2026. Endemic.

5. **Haplochorema polyphyllum** K. Schum. in Engl. Bot. Jahrb. 27 (1899) 332; Engl. Pflanzenreich 20 (1904) 88; Ridl. l. c.

Sarawak, *Beccari* 2324. Endemic.

6. **Haplochorema uniflorum** K. Schum. l. cc. 232, 90; Ridl. l. c.

Sarawak, *Beccari* 3219. Endemic: the genus is known only from Borneo.

1. **Boesenbergia anomala** (Hallier f.) Schltr. in Fedde Repert. 12 (1913) 315. *Kaempferia anomala* Hallier f. in Bull. Herb. Boiss. 6 (1898) 357, t. 9. *Gastrochilus anomalum* K. Schum. in Engl. Pflanzenreich 20 (1904) 92. *Gastrochilus hallieri* Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 234.

Dutch Borneo, *Hallier*. Endemic.

2. **Boesenbergia bractescens** (Ridl.) comb. nov. *Gastrochilus bractescens* Ridl. in Journ. Str. Branch Roy. As. Soc. 54 (1910) 57.

Sarawak, *Foxworthy* 42! Endemic.

3. **Boesenbergia hirta** (Ridl.) comb. nov. *Gastrochilus hirtus* Ridl. in Journ. Str. Branch Roy. As. Soc. 54 (1910) 57.

Sarawak, *Hewitt*. Endemic.

4. **Boesenbergia grandifolia** (Valeton) comb. nov. *Gastrochilus grandifolium* Valeton in Ic. Bogor. 4 (1914) 241, t. 377.

Borneo, *Nieuwenhuis*. Endemic.

5. **Boesenbergia parva** (Ridl.) comb. nov. *Gastrochilus parvus* Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 195, 46 (1906) 234.

Sarawak, *Ridley*. Endemic.

6. **Boesenbergia pulchella** (Ridl.) comb. nov. *Gastrochilus pulchellus* Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 234.

Endemic.

7. **Boesenbergia reticosa** (Ridl.) comb. nov. *Gastrochilus reticosus* Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 195, 46 (1906) 234.

Sarawak, *Ridley*. Endemic.

1. **Curcuma aromatica** Salisb.; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 234.

Sarawak, *Shelford*. India and Ceylon.

2. **Curcuma zedoaria** (Berg.) Rosc. Mondr. Pl. (1828) t. 109; K. Schum. in Engl. Bot. Jahrb. 27 (1899) 335; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 163.

Sarawak, *Beccari* 278; British North Borneo, *Gibbs* 3956. India to Malaya.

1. **Globba affinis** Rendle in Journ. Bot. 39 (1901) 176.

Sarawak, *Hose* 456!, 109!, *Native collector* 332!, 461!, 840!, 1490!, 2408!, 2960! *Bur. Sci.* Endemic.

2. **Globba atosanguinea** T. & B. in Nat. Tijdschr. Nederl. Ind. 27 (1864) 22; Hook. f. in Curtis's Bot. Mag. III 28 (1882) t. 6626; Kew Bull. Add. Series 4 (1900) 193; K. Schum. in Engl. Bot. Jahrb. 27 (1899) 330, Engl. Pflanzenreich 20 (1904) 152; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 230.

Dutch Borneo, *de Groot*; Sarawak, *Beccari* 1059, 2786, *Burbidge*, *Haviland*, *Moulton*. Sumatra.

3. **Globba aurantiaca** Miq. Fl. Ind. Bat. Suppl. (1862) 613; K. Schum. in Engl. Bot. Jahrb. 27 (1899) 330; Engl. Pflanzenreich 20 (1904) 151; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 230.

Dutch Borneo, *Korthals*; *Beccari 1318, 1614*. Sumatra.

4. **Globba brachyanthera** K. Schum. l. cc. 329, 142; Ridl. l. c.

Dutch Borneo, *Korthals*; Sarawak, *Beccari 38*; *Ridley 12359, 11805, Foxworthy 64*!

Var. **angustifolia** Ridl. l. c.

Sarawak, *Ridley*. Endemic.

5. **Globba debilis** Ridl. in Journ. Str. Branch Roy. As. Soc. 54 (1910) 56.

Sarawak, *Brooks*. Endemic.

6. **Globba francisci** Ridl. ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 162.

British North Borneo, *Gibbs 2932*; Dutch Borneo, *Grabowski*. Endemic.

7. **Globba gibbsiae** Ridl. ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 162.

British North Borneo, *Gibbs 2872*. Endemic.

8. **Globba glandulosa** Ridl. in Journ. Str. Branch Roy. As. Soc. 49 (1908) 43.

Sarawak, *Hewitt*. Endemic.

9. **Globba marantina** Linn. Mant. 2 (1771) 170.

British North Borneo, *Villamil 601*! Malay Peninsula and Archipelago.

10. **Globba polyphylla** K. Schum. in Engl. Pflanzenreich 20 (1904) 140; Ridl. in Journ. Str. Branch Roy. Soc. 46 (1906) 231.

Dutch Borneo, *Korthals*. Endemic.

11. **Globba propinqua** Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 230; Journ. Linn. Soc. Bot. 42 (1914) 162.

Sarawak, *Ridley*; *Foxworthy 345*!; British North Borneo, *Gibbs 2885*. Endemic.

12. **Globba pumila** Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 231.

Sarawak, *Ridley 12357*. Endemic.

13. **Globba tricolor** Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 231.

Sarawak, *Ridley 12360, 11806*. Endemic.

14. ***Globba versicolor*** Smith Exot. Bot. 1 (1804) t. 117 A-C; K. Schum. in Engl. Pflanzenreich 20 (1904) 144; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 232.

British North Borneo, *Fraser*. India, Ceylon and the Andaman Islands.

1. ***Zingiber borneense*** K. Schum. in Engl. Pflanzenreich 20 (1904) 178; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 235.

Dutch Borneo, *Korthals*; Sarawak, *Haviland*. Endemic.

2. ***Zingiber coloratum*** N. E. Br. in Gard. Chron. II 12 (1879) 166; K. Schum. in Engl. Bot. Jahrb. 27 (1899) 267, Pflanzenreich 20 (1904) 177; Kew Bull. Add. Series 4 (1900) 408; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 235.

Borneo, *Burbidge*. Endemic.

3. ***Zingiber flavidus*** Ridl. in Journ. Str. Branch Roy. As. Soc. 54 (1910) 58.

Sarawak, *Hewitt*. Endemic.

4. ***Zingiber leptostachyum*** Valetton in Ic. Bogor. 3 (1898) 197, t. 275; Fedde Repert. 9 (1911) 314.

Dutch Borneo, *Nieuwenhuis*. Endemic.

5. ***Zingiber longipedunculatum*** Ridl. in Journ. Str. Branch Roy. As. Soc. 50 (1908) 149.

Sarawak, *Hewitt*. Endemic.

6. ***Zingiber officinale*** Rosc. in Trans. Linn. Soc. 7 (1807) 348; K. Schum. in Engl. Pflanzenreich 20 (1904) 170.

A native of tropical Asia, now cultivated in all tropical countries; ginger.

7. ***Zingiber porphyrosphaera*** K. Schum. in Engl. Pflanzenreich 20 (1904) 175; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 234.

Sarawak, *Haviland, 442*. Endemic.

8. ***Zingiber stenostachys*** K. Schum. l. c. 175; Ridl. l. c. 234.

Dutch Borneo, *Korthals*. Endemic.

9. ***Zingiber zerumbet*** (Linn.) Smith Exot. Bot. 2 (1804) 105, t. 112; K. Schum. in Engl. Bot. Jahrb. 27 (1899) 268; Pflanzenreich 20 (1904) 172.

Sarawak, *Beccari 1373*. India to Malaya.

1. ***Hornstedtia affinis*** Ridl. in Journ. Str. Branch Roy. As. Soc. 32 (1899) 143, 46 (1906) 238; K. Schum. in Engl. Pflanzenreich 20 (1904) 195.

- Sarawak, *Haviland 1764*, Ridley. Endemic.
2. **Hornstedtia brachytilus** Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 239.
Sarawak, Ridley. Endemic.
3. **Hornstedtia brevilabris** (Valeton) comb. nov. *Achasma brevilabrum* Valeton Ic. Bogor. 3 (1906) 3, t. 202.
Borneo, fide Valeton. Endemic.
4. **Hornstedtia havilandii** K. Schum. in Engl. Pflanzenreich 20 (1904) 193. *Amomum havilandii* K. Schum. in Engl. Bot. Jahrb. 27 (1899) 303.
Sarawak, *Beccari 1148*, *Haviland*. Endemic; Ridley reduces this to *Hornstedtia reticulata* K. Schum.
5. **Hornstedtia hewittii** Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 241.
Sarawak, *Hewitt*, Ridley. Endemic.
6. **Hornstedtia longipes** Ridl. ex Winkler in Engl. Bot. Jahrb. 44 (1910) 530.
Dutch Borneo, *Winkler 2227*. Endemic.
7. **Hornstedtia phaeochoana** K. Schum. in Engl. Pflanzenreich 20 (1904) 191; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 238. *Amomum phaeochoanum* K. Schum. in Engl. Bot. Jahrb. 27 (1899) 304.
Sarawak, *Beccari 615*. Endemic.
8. **Hornstedtia reticulata** K. Schum. in Engl. Pflanzenreich 20 (1904) 193; Ridl. l. c. 240. *Amomum reticulatum* K. Schum. in Engl. Bot. Jahrb. 27 (1899) 303.
Sarawak, Ridley 1182, *Haviland*, *Beccari 32*. Endemic.
9. **Hornstedtia sanguinea** Ridl. ex Winkler in Engl. Bot. Jahrb. 44 (1910) 531.
Dutch Borneo, *Winkler 2147*. Endemic.
10. **Hornstedtia sarawacensis** K. Schum. in Engl. Pflanzenreich 20 (1904) 191; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 238. *Amomum sarawacense* K. Schum. in Engl. Bot. Jahrb. 27 (1899) 304.
Sarawak, *Beccari 1435*. Endemic.
11. **Hornstedtia spathulata** Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 240.
Sarawak, Ridley. Perak.
12. **Hornstedtia triloba** Ridl. ex Winkler in Engl. Bot. Jahrb. 44 (1910) 531.

Dutch Borneo, *Winkler 3183*. Endemic.

13. ***Hornstedtia velutina*** Ridl. in Journ. Str. Branch Roy. As. Soc. 32 (1899) 146, 46 (1906) 238; K. Schum. in Engl. Pflanzenreich 20 (1904) 192.

British North Borneo, *Ridley, Haviland*. Endemic.

1. ***Amomum bicorniculatum*** K. Schum. in Engl. Pflanzenreich 20 (1904) 229; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 235.

• Dutch Borneo, *Korthals*. Endemic.

2. ***Amomum cerasinum*** Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 237.

Sarawak, *Ridley 12421*. Endemic.

3. ***Amomum dictyocoleum*** K. Schum. in Engl. Bot. Jahrb. 27 (1899) 312; Pflanzenreich 20 (1904) 231; Ridl. l. c. 235.

Sarawak, *Beccari 799*. Endemic.

4. ***Amomum fimbriobractea*** K. Schum. in Engl. Bot. Jahrb. 27 (1899) 317; Pflanzenreich 20 (1904) 252; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 236.

Sarawak, *Beccari 3735*. Endemic.

5. ***Amomum flavidulum*** Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 236.

Sarawak, *Ridley 11802*. Endemic.

6. ***Amomum gracilipes*** K. Schum. in Engl. Pflanzenreich 20 (1904) 252; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 236.

Dutch Borneo, *Korthals*. Endemic.

7. ***Amomum hewittii*** Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 238.

Sarawak, *Ridley, Hewitt*. Endemic.

8. ***Amomum laxesquamosum*** K. Schum. in Engl. Bot. Jahrb. 27 (1899) 315; Engl. Pflanzenreich 20 (1904) 238; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 236.

Sarawak, *Beccari 386*. Endemic.

9. ***Amomum macroglossum*** K. Schum. in Engl. Bot. Jahrb. 27 (1899) 314; Engl. Pflanzenreich 20 (1904) 231; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 236.

Sarawak, *Beccari 2077*. Endemic.

10. ***Amomum nasutum*** K. Schum. l. cc. 320, t. 5, f. 4, 233; Ridl. l. c. 235.

Sarawak, *Beccari 315, 4012*. Endemic.

11. **Amomum oliganthum** K. Schum. l. cc. 321, 244; Ridl. l. c. 236.

Sarawak, *Beccari 2946*. Endemic.

12. **Amomum stenosphon** K. Schum. l. cc. 320, 244; Ridl. l. c. 236.

Sarawak, *Beccari 3311*. Endemic.

13. **Amomum sylvestre** Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 236.

Sarawak, *Ridley*. Endemic.

14. **Amomum villosa** Valetton in Bull. Inst. Bot. Buitenz. 20 (1904) 58; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 239.

Sarawak, *Ridley 11811*. Java.

15. **Amomum winkleri** Ridl. ex Winkler in Engl. Bot. Jahrb. 44 (1910) 530.

Dutch Borneo, *Winkler 3175*. Endemic.

1. **Phaeomeria pyramidosphaera** K. Schum. in Engl. Pflanzenreich 20 (1904) 263; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 242; Winkler in Engl. Bot. Jahrb. 44 (1910) 531. *Amomum pyramidosphaera* K. Schum. in Engl. Bot. Jahrb. 27 (1899) 306.

Sarawak, *Beccari 4042*; Dutch Borneo, *Beccari 3452*, *Winkler 2889*. Celebes.

1. **Cyphostigma diphylum** K. Schum. in Engl. Pflanzenreich 20 (1904) 272.

Dutch Borneo, *Motley 789*. Endemic.

2. **Cyphostigma stoloniferum** K. Schum. in Engl. Pflanzenreich 20 (1904) 273. *Amomum stoloniferum* K. Schum. in Engl. Bot. Jahrb. 27 (1899) 322. *Elettariopsis stolonifera* Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 242.

Sarawak, *Beccari 365*. Endemic.

3. **Cyphostigma surculosum** K. Schum. in Engl. Pflanzenreich 20 (1904) 263. *Amomum surculosum* K. Schum. in Engl. Bot. Jahrb. 46 (1906) 242. *Elettariopsis surculosa* Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 242.

Sarawak, *Beccari 1586*, *Ridley*. Endemic.

1. **Burbidgea nitida** Hook. f. in Curtis's Bot. Mag. (1879) t. 6403; Gard. Chron. II 12 (1879) 401, f. 63; Kew Bull. Add. Series 4 (1900) 65; K. Schum. in Engl. Pflanzenreich 20 (1904) 282; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 243, 63 (1912) 62.

British North Borneo, *Burbidge*. Endemic.

2. *Burbidgea pauciflora* Valetton Ic. Bogor. 3 (1906) 7, t. 203.

Dutch Borneo, *Nieuwenhuis*. Endemic.

3. *Burbidgea schizocheila* Hort. in Gard. Chron. (1904) 301; Ridl. in Journ. Str. Branch Roy. As. Soc. 63 (1912) 62.

Sarawak, *Moulton*. Endemic.

1. *Alpinia angustifolia* K. Schum. in Engl. Bot. Jahrb. 27 (1899) 279, t. 2. f. J; Engl. Pflanzenreich 20 (1904) 328; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 245.

Sarawak, *Beccari 3602*. Endemic.

2. *Alpinia borneensis* Valetton ex Gagnep. in Bull. Soc. France 51 (1904) 448; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 245. *Alpinia nieuwenhuisii* Valetton in Bull. Inst. Bot. Buitenz. 20 (1906) 86; Ic. Bogor. 2 (1906) t. 192; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 295.

Borneo, *Nieuwenhuis*. Endemic.

3. *Alpinia brachypoda* K. Schum. in Engl. Bot. Jahrb. 27 (1899) 298; Engl. Pflanzenreich 20 (1904) 367; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 244.

Sarawak, *Beccari 3626*. Endemic.

4. *Alpinia cornu-cervi* Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 243.

Sarawak, *Hewitt*. Endemic.

5. *Alpinia crococalyx* K. Schum. in Engl. Bot. Jahrb. 27 (1899) 280; Engl. Pflanzenreich 20 (1904) 310; Becc. Nelle Foreste di Borneo (1902) 595.

Sarawak, *Beccari 3477*. Endemic.

6. *Alpinia cylindrostachys* K. Schum. l. cc. 249, 366; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 244.

Sarawak, *Beccari 2947, 2162, Hewitt, Ridley*. Endemic.

7. *Alpinia exostylis* K. Schum. in Engl. Pflanzenreich 20 (1904) 314; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 243.

Dutch Borneo, *Korthals*. Endemic.

8. *Alpinia flava* Ridl. ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 163.

British North Borneo, *Gibbs 4011*. Endemic.

9. **Alpinia flexistamen** K. Schum. in Engl. Bot. Jahrb. 27 (1899) 281; Engl. Pflanzenreich 20 (1904) 328; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 245.

Sarawak, *Beccari 1491*. Endemic.

10. **Alpinia fraseriana** Oliver in Hook. Ic. Pl. III 6 (1887) t. 1567; K. Schum. in Engl. Bot. Jahrb. 27 (1899) 276; Engl. Pflanzenreich 20 (1904) 314; Rendle in Journ. Bot. 39 (1901) 177; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 243.

British North Borneo, *Clemens 9473!*, *11174!*, *Yates 14!*, *Villamil 367!*, *Fraser, Burbidge, Ridley*; Sarawak, *Beccari 1743*. Billiton.

11. **Alpinia galanga** (Linn.) Sw. Obs. Bot. (1791) 8; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 163.

British North Borneo, *Gibbs 2777*.

Var. **pyramidata** (Blume) K. Schum. in Engl. Bot. Jahrb. 27 (1899) 274.

Sarawak, *Beccari 2625*. India to the Philippines and the Moluccas.

12. **Alpinia glabra** Ridl. in Journ. Str. Branch Roy. As. Soc. 32 (1899) 168, 46 (1906) 244; K. Schum. in Engl. Pflanzenreich 20 (1904) 328.

Sarawak, *Haviland, Ridley 11810, 11807, 11888*. Endemic.

13. **Alpinia grandiceps** Ridl. in Journ. Str. Branch Roy. As. Soc. 50 (1908) 148; Winkler in Engl. Bot. Jahrb. 44 (1910) 529.

Sarawak, *Hewitt*; Dutch Borneo, *Winkler 3004*. Endemic.

14. **Alpinia havilandii** K. Schum. in Engl. Pflanzenreich 20 (1904) 329; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 245.

British North Borneo, *Haviland*. Endemic.

15. **Alpinia hookeriana** Valetton Ic. Bogor. 2 (1906) 293, t. 189. *Alpinia assimilis* Ridl. in Journ. Str. Branch Roy. As. Soc. 32 (1899) 168, 46 (1906) 245; K. Schum. in Engl. Pflanzenreich 20 (1904) 338.

Borneo, fide *Valetton* and *Ridley*; Sarawak, *Foxworthy 26!* Java.

16. **Alpinia korthalsii** K. Schum. in Engl. Pflanzenreich 20 (1904) 327; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 245; Winkler in Engl. Bot. Jahrb. 44 (1909) 529. *Alpinia mutica* K. Schum. in Engl. Bot. Jahrb. 27 (1899) 281, non Roxb.

Sarawak, *Beccari 3557*; Dutch Borneo, *Korthals, Motley, Winkler 2137*. Endemic.

17. *Alpinia laxiflora* Gagnep. in Bull. Soc. Bot. France 48 (1902) 88; K. Schum. in Engl. Pflanzenreich 20 (1904) 327; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 245.

Borneo, *Chaper*. Cochinchina.

18. *Alpinia ligulata* K. Schum. in Engl. Bot. Jahrb. 27 (1899) 275; Engl. Pflanzenreich 20 (1904) 326.

Sarawak, *Ridley* 987, 1307. Endemic.

19. *Alpinia longiflora* Ridl. in Journ. Bot. 51 (1913) 247.

Sarawak, *Brooks*. Endemic.

20. *Alpinia microlophon* Ridl. in Journ. Str. Branch Roy. As. Soc. 54 (1910) 58.

Sarawak, *Brooks*. Endemic.

21. *Alpinia mutica* Roxb. As. Research 11 (1810) 354; Valeton Ic. Bogor. 2 (1906) 299, t. 191; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 230; Kew Bull. Add. Series 4 (1900) 23.

Borneo, fide *Valeton* l. c. Malay Peninsula.

22. *Alpinia polycarpa* K. Schum. in Engl. Bot. Jahrb. 27 (1899) 298; Engl. Pflanzenreich 20 (1904) 267; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 244.

Sarawak, *Beccari* 3729. Endemic.

23. *Alpinia ptychanthera* K. Schum. l. cc. 280, 330; Ridl. l. c. 245.

Sarawak, *Beccari* 2450. Endemic.

24. *Alpinia reticosa* Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 243.

Sarawak, *Ridley*. Endemic.

25. *Alpinia rubella* Ridl. ex Winkler in Engl. Bot. Jahrb. 44 (1910) 529.

Dutch Borneo, *Winkler* 3095. Endemic.

26. *Alpinia sericea* Ridl. ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 163.

British North Borneo, *Gibbs* 3025, *Clemens* 10157! Endemic.

27. *Alpinia stenosphon* K. Schum. in Engl. Bot. Jahrb. 27 (1899) 320; Engl. Pflanzenreich 20 (1904) 244.

Sarawak, *Beccari* 3311. Endemic.

28. *Alpinia sumatrana* (Miq.) K. Schum. in Engl. Bot. Jahrb. 27 (1899) 291; Engl. Pflanzenreich 20 (1904) 358; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 243.

Dutch Borneo, *Korthals*. Sumatra.

1. **Geocharis aurantiaca** Ridl. in Journ. Str. Branch Roy. As. Soc. 50 (1908) 144.

Sarawak, *Hewitt*. Malay Peninsula.

2. **Geocharis rubra** Ridl. op. cit. 146.

Sarawak, *Hewitt*. Endemic.

1. **Plagiostachys borneensis** Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 242; Winkler in Engl. Bot. Jahrb. 44 (1910) 530.

Sarawak, *Ridley 11800*; Dutch Borneo, *Winkler 2581*. Endemic.

2. **Plagiostachys strobilifera** (Baker) Ridl. in Journ. Str. Branch Roy. As. Soc. 32 (1899) 151, 46 (1906) 242; K. Schum. in Engl. Pflanzenreich 20 (1904) 375. *Alpinia strobilifera* Baker in Kew Bull. (1898) 225; K. Schum. in Engl. Bot. Jahrb. 27 (1899) 300.

Sarawak, *Ridley*; British North Borneo, *Ridley, Creagh*. Endemic.

1. **Costus globosus** Blume Enum. Pl. Jav. (1828) 62; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 235.

Borneo, *Ridley*. Malay Peninsula, Sumatra, Java.

2. **Costus microcephalus** K. Schum. in Engl. Pflanzenreich 20 (1904) 412; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 235.

Dutch Borneo, *Korthals*. Endemic.

3. **Costus paradoxus** K. Schum. in Engl. Bot. Jahrb. 27 (1899) 345; Engl. Pflanzenreich 20 (1904) 424.

Sarawak, *Beccari 3791*. Endemic.

4. **Costus speciosus** (Koenig) Smith in Trans. Linn. Soc. 1 (1791) 249; K. Schum. in Engl. Bot. Jahrb. 27 (1899) 343; Engl. Pflanzenreich 20 (1904) 398; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 235; Winkler in Engl. Bot. Jahrb. 44 (1910) 532; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 163.

Var. **angustifolia** K. Schum. l. cc. 343, 398.

Sarawak, *Beccari 3536*.

Var. **hirsuta** K. Schum. l. cc.

Sarawak, *Beccari 593*, *Native collector 450!*, *982!* *Bur. Sci.*

Var. **lasiocalyx** K. Schum. l. cc.

Sarawak, *Beccari 4046*,

Var. *sericea* K. Schum. 1. cc.

Dutch Borneo, *Winkler 2136*; British North Borneo, *Gibbs 2620, Yates 19!* Malay Peninsula and Archipelago.

Cannaceae.

1. *Canna indica* Linn. Sp. Pl. (1753) 1.

British North Borneo, *Villamil 151!*, *Clemens 10269!* All tropical countries, a native of tropical America.

Marantaceae.

1. *Donax arundastrum* Lour. Fl. Cochinch. (1790) 11; Rolfe in Journ. Bot. 45 (1907) 243.

Sarawak, *Foxworthy 335!* Burma and Cochinchina to the Malay Peninsula and Sumatra.

2. *Donax canniformis* (Forst.) K. Schum. in Engl. Bot. Jahrb. 15 (1893) 440; Rolfe in Journ. Bot. 45 (1907) 243; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 164. *Actoplanes ridleyi* K. Schum. in Engl. Pflanzenreich 11 (1902) 35. *Clinogyne dichotoma* Salisb.; Becc. Nelle Foreste di Borneo (1902) 593.

Sarawak, *Native collector 351, 844, 1491, 2175 Bur. Sci., Hose 696!* Malay Archipelago and the Philippines to the New Hebrides.

1. *Stachyphrynium cylindricum* (Ridl.) K. Schum. in Engl. Pflanzenreich 11 (1902) 49; Winkler in Engl. Bot. Jahrb. 44 (1910) 532.

Dutch Borneo, *Winkler 3241.* Malay Peninsula.

2. *Stachyphrynium griffithii* (Baker) K. Schum. in Engl. Pflanzenreich 11 (1902) 35; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 164.

British North Borneo, *Gibbs 2909.* Malay Peninsula.

1. *Phrynium fissifolium* Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 246.

Sarawak, *Haviland, Ridley 12358.* Endemic.

2. *Phrynium parviflorum* Roxb. Fl. Ind. 1 (1820) 7; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 246; Winkler in Engl. Bot. Jahrb. 44 (1910) 532.

Sarawak, *Ridley, 12420*; Dutch Borneo, *Winkler 2132.* India to Hainan and Java.

3. *Phrynium zebrinum* Becc. Nelle Foreste di Borneo (1902) 517 *nomen nudum*, non Rosc.

Sarawak, *Beccari 3794.* Endemic.

Burmanniaceae.

1. ***Thismia neptunis*** Becc. Malesia 1 (1878) 251.
Sarawak, *Beccari 1508*. Endemic.
2. ***Thismia ophiuris*** Becc. Malesia 1 (1878) 252, *t. 10, f. 3-4*.
Sarawak, *Beccari*. Endemic.
1. ***Geomitra clavigera*** Becc. Malesia 1 (1878) 251, *t. 10, f. 1*.
Sarawak *Beccari, 2642*. Endemic.
2. ***Geomitra episcopalis*** Becc. Malesia 1 (1878) 250,
t. 11, f. 1-5.
Sarawak, *Beccari 1504*. Endemic.
1. ***Gymnosiphon borneense*** Becc. Malesia 1 (1878) 241,
t. 14, f. 5-9; Schltr. ex Winkler in Engl. Bot. Jahrb. 48 (1912)
96.
Sarawak, *Beccari*; Dutch Borneo, *Winkler 3014*. Endemic,
unless Ridley's reduction of it to *G. aphyllum* Blume is correct.
1. ***Burmattia coelestis*** Don Prodr. Fl. Nepal. (1825) 44;
Rendle in Journ. Bot. 39 (1901) 173, Ernst and Bernard in Ann.
Jard. Bot. Buitenz. 26 (1912) 219, *t. 17*; Gibbs in Journ. Linn.
Soc. Bot. 42 (1914) 161. *Burmattia azurea* Griff.; Becc. Malesia
1 (1878) 242, *t. 15, f. 1-3*.
Sarawak, *Beccari 930, 3692, Hose 353!*, *Foxworthy 483!*, *Native
collector 1974!* *Bur. Sci.*; British North Borneo, *Gibbs 3066*;
Foxworthy 613!, *Topping 1409!*, *Clemens 9590!*, *9680!*, *11190!*;
Dutch Borneo, *Teysmann 7977*, *Hallier 2544*; Labuan, *Merrill!*
India to Mauritius, southern China, the Carolines and northern
Australia.
2. ***Burmattia longifolia*** Becc. Malesia 1 (1878) 244, *t. 13,*
f. 1-5; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 233; Gibbs in
Journ. Linn. Soc. Bot. 42 (1914) 161.
Sarawak, *Beccari 1687, 2427*; *Foxworthy 371!*, *Native collector
636!*, *1611!* *Bur. Sci.*; British North Borneo, *Low, Gibbs 4033*.
Malay Peninsula to the Philippines and New Guinea.
3. ***Burmattia lutescens*** Becc. Malesia 1 (1878) 246, *t. 15,*
f. 12-14; Schltr. ex Winkler in Engl. Bot. Jahrb. 48 (1912) 96.
Sarawak, *Beccari 1505*; Dutch Borneo, *Winkler 3194*.
Endemic
4. ***Burmattia papillosa*** Stapf in Trans. Linn. Soc. Bot. 4
(1894) 232.
British North Borneo, *Haviland 1329*. Endemic.

5. *Burmattia sphagnoidea* Becc. Malesia 1 (1878) 246, t. 15, f. 8-11.

Sarawak, *Beccari* 86, 1502, 2426. Endemic.

6. *Burmattia tridentata* Becc. Malesia 1 (1878) 246.

Sarawak, *Beccari*. Endemic.

7. *Burmattia tuberosa* Becc. Malesia 1 (1878) 245, t. 14, f. 1-4; J. J. Sm. in Ann. Jard. Bot. Buitenz. 28 (1914) 99, t. 14.

Sarawak, *Beccari* 402, 1502. Malay Peninsula and New Guinea.

8. *Burmattia wallichii* Hook. f. Fl. Brit. Ind. 5 (1888) 666; Ridl. Mater. Fl. Malay Penin. (Monocot.) 2 (1907) 71.

Borneo, fide *Ridley*. India to southern China and the Malay Peninsula.

Orchidaceae.

(By Oakes Ames).

1. *Neuwiedia lindleyi* Rolfe in Journ. Linn. Soc. Bot. 25 (1889) 232, t. 48, f. 10-12; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 305; Pfitzer in Engl. Pflanzenreich 12 (1903) 5, f. 2.

Borneo, *Low*; British North Borneo, Kinabalu, *Clemens* 101! Sumatra, Penang, Malay Peninsula.

2. *Neuwiedia veratrifolia* Blume in Hoev. & De Vriese Tijdschr. 1 (1833) 142; Oliver in Hook. Ic. III 10 (1891) t. 1987; Pfitzer in Engl. Pflanzenreich 12 (1903) 5, f. 3.

Sarawak, *Beccari* 1147. Java and the Philippines.

3. *Neuwiedia zollingeri* Reichb. f. in Bonpl. 5 (1857) 58.

Sarawak, *Native collector* 1302! *Bur. Sci.* Java.

1. *Apostasia alba* Rolfe in Orch. Rev. 4 (1896) 329; Pfitzer in Engl. Pflanzenreich 12 (1903) 8.

Labuan, *Motley* 95; Dutch Borneo, *Barber*. Endemic.

2. *Apostasia gracilis* Rolfe in Journ. Linn. Soc. Bot. 25 (1889) 242; Ridl. *ibid.* 31 (1896) 305; Pfitzer in Engl. Pflanzenreich 12 (1903) 8.

Dutch Borneo, *Korthals*. Endemic.

3. *Apostasia parvula* Schltr. in Bull. Herb. Boiss. II 6 (1906) 295.

Dutch Borneo, *Schlechter* 13562. Endemic.

4. *Apostasia wallichii* R. Br. in Wall. Pl. As. Rar. 1 (1830) 75, t. 84; Pfitzer in Engl. Pflanzenreich 12 (1903) 7, f. 4.

Borneo, fide *Pfitzer* l. c. India to Java and New Guinea.

1. *Adactylus lobbii* (Reichb. f.) Rolfe in Orch. Review 4 (1896) 329; Pfitzer in Engl. Pflanzenreich 12 (1903) 8. *Apostasia lobbii* Reichb. f. in Flora 55 (1872) 278; Rolfe in Journ. Linn. Soc. Bot. 25 (1889) 238; Kranzl. Orch. Gen. Sp. 1 (1897) 9; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 305.

Labuan, *Lobb*; Dutch Borneo, *Motley 840*. Endemic.

2. *Adactylus nudus* (R. Br.) Rolfe in Orch. Review 4 (1896) 329; Pfitzer in Engl. Pflanzenreich 12 (1903) 8. *Apostasia nuda* R. Br.; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 305.*

Sarawak, *Haviland*. India to Java and Sumatra.

1. *Cordula amabilis* (Hallier f.) comb. nov. *Paphiopedilum amabile* Hallier f. in Nat. Tijdschr. Nederl. Ind. 54 (1895) 450, and in Ann. Jard. Bot. Buitenz. 14 (1896) 18, t. 4; Pfitzer in Engl. Pflanzenreich 12 (1903) 80. *Cypripedium hookerae* var. *amabile* Kranzl.; (Orch. Gen. Sp. 1 (1897) 59.) ex Pfitzer in Engl. Pflanzenreich 12 (1903) 80 in synon.

Dutch Borneo, *Hallier*. Endemic.

2. *Cordula bulleniana* (Reichb. f.) Rolfe in Orch. Rev. 20 (1912) 2. *Cypripedium bullenianum* Reichb. f. in Bot. Zeit. 23 (1865) 99. *Paphiopedilum bullenianum* Pfitz. in Engl. Bot. Jahrb. 19 (1894) 40, Engl. Pflanzenreich 12 (1902) 80. Borneo, *Low*.

Var. *oculata* (Reichb. f.) comb. nov. *Cypripedium bullenianum* Reichb. f. var. *oculatum* Reichb. f. in Gard. Chron. II 15 (1881) 563.

Introduced into cultivation from Borneo. Endemic.

3. *Cordula burbidgei* (Reichb. f.) comb. nov. *Cypripedium burbidgei* Reichb. f. in Gard. Chron. II 16 (1881) 38. *Paphiopedilum burbidgei* Pfitz. in Engl. Bot. Jahrb. 19 (1894) 40, Engl. Pflanzenreich 12 (1903) 86.

Borneo, *Low*, *Burbidge*. Endemic.

4. *Cordula dayana* (Reichb. f.) Rolfe in Orch. Rev. 20 (1912) 2 and in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 161. *Cypripedium dayanum* Reichb. f. in Bot. Zeit. 20 (1862) 214 and Xen. Orch. 3 (1878) 1, t. 201; Kranzl. Orch. Gen. Sp. 1 (1897) 58; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 304. *Paphiopedilum dayanum* Pfitz. in Engl. Bot. Jahrb. 19 (1894) 40, Engl. Pflanzenreich 12 (1903) 85.

British North Borneo, *Low*, *Gibbs 4347*, *J. Clemens 100!*
151! 321! 349!

*The *Apostasiinae* including the genera *Neuwiedia*, *Apostasia*, and *Adactylus*, may best be treated as a separate family, the *Apostasiaceae*, as structural characters indicate affinities with outlying families that belong to the *Liliiflorae*.

Var. **petri** (Reichb. f.) comb. nov. *Cypripedium petri* Reichb. f. in Gard. Chron. II 13 (1880) 680, III 1 (1887) 577, f. 110. (as *C. peteri*). *Paphiopedilum dayanum* Pfitz. var. *petri* (Reichb. f.) Pfitz. in Engl. Pflanzenreich 12 (1903) 86.

British North Borneo, J. Clemens. Endemic.

5. **Cordula hookerae** (Reichb. f.) Rolfe in Orch. Rev. 20 (1912) 2. *Cypripedium hookerae* Reichb. f. Xen. Orch. 2 (1867) 125, t. 141; Curtis's Bot. Mag. t. 5362; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 304. *Paphiopedilum hookerae* Pfitz. in Engl. Bot. Jahrb. 19 (1894) and in Engl. Pflanzenreich 12 (1903) 81.

Borneo, Low. Sarawak fide Ridley.

Var. **volonteana** (Sander) comb. nov. *Cypripedium volonteana* Sander in Gard. Chron. III 8 (1890) 7 nomen. *Cypripedium hookerae* Reichb. f. var. *volonteana* Rolfe in Gard. Chron. III 8 (1890) 66. *Paphiopedilum volonteana* Pfitz. in Engl. Pflanzenreich 12 (1903) 80. *Paphiopedilum hookerae* var. *volonteana* Kerch. ex. Pfitz. in Engl. Pflanzenreich 12 (1903) 80.

Borneo, Low. Endemic.

Cordula javanica (Reinw.) Rolfe is reported from Borneo by Ridley as *Cypripedium javanicum* Reinw.; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 305, but this Javan species is not definitely known from Borneo.

6. **Cordula lawrenceana** (Reichb. f.) Rolfe in Orch. Rev. 20 (1912) 2. *Cypripedium lawrenceana* Reichb. f. Gard. Chron. II 10 (1878) 748; Hook. f. in Curtis's Bot. Mag. III 35 (1879) t. 6432; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 305; Kranzl. Orch. Gen. Sp. 1 (1897) 65. *Paphiopedilum lawrenceana* Pfitz. in Engl. Bot. Jahrb. 19 (1894) 40 and in Engl. Pflanzenreich 12 (1903) 94.

Borneo, Burbidge. Endemic.

7. **Cordula lowei** (Lindl.) Rolfe in Orch. Rev. 20 (1912) 2 (*lowiana*). *Cypripedium lowei* Lindl. in Gard. Chron. (1847) 765, fig.; Miq. Fl. Ind. Bat. 3 (1859) 738 (as *C. lowii*); Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 305; Kranzl. Orch. Gen. Sp. 1 (1897) 70. (as *C. lowii*). *Paphiopedilum lowii* Pfitz. in Engl. Bot. Jahrb. 19 (1894) and in Engl. Pflanzenreich 12 (1903) 66.

Borneo, Low. Sarawak, fide Ridley. Endemic.

8. **Cordula nigrita** (Reichb. f.) Rolfe in Orch. Rev. 20 (1912) 2. *Cypripedium nigritum* Reichb. f. in Gard. Chron. II 18 (1882) 102; Kranzl. Orch. Gen. Sp. 1 (1897) 63. *Paphiopedilum barbatum* Pfitz. var. *nigritum* Pfitz. in Engl. Pflanzenreich 12 (1903) 92.

Introduced into cultivation from Borneo. Hybrid origin suggested, but highly improbable as the supposed parents are not known to be natives of Borneo. Endemic.

9. **Cordula rothschildiana** (Reichb. f.) Rolfe in Orch. Rev. 20 (1912) 2. *Cypripedium rothschildianum* Reichb. f. in Gard. Chron. III 3 (1888) 457, 554. *Paphiopedilum rothschildianum* Pfitz. in Engl. Bot. Jahrb. 19 (1894) 41 and in Engl. Pflanzenreich 12 (1903) 58.

Introduced into cultivation from Borneo and Sumatra. Reported from the Philippines, but not on convincing evidence.

10. **Cordula stonei** (Hook. f.) Rolfe in Orch. Rev. 20 (1912) 2. *Cypripedium stonei* Hook. f. in Curtis's Bot. Mag. III 18 (1862) t. 5349; Kranzl. Orch. Gen. Sp. 1 (1897) 44. *Paphiopedilum stonei* Pfitz. in Engl. Bot. Jahrb. 19 (1894) 41 and in Engl. Pflanzenreich 12 (1903) 62.

Borneo, *Low*.

Var. **platytaenia** (Reichb. f.) comb. nov. *Cypripedium stonei* Hook. f. var. **platytaenium** Reichb. f. in Gard. Chron. (1867) 1 118, fig. and Xen. Orch. 2 (1870) 153, t. 161; Kranzl. Orch. Gen. Sp. 1 (1897) 44. *Paphiopedilum stonei* Pfitz. var. *platytaenium* Pfitz. in Engl. Pflanzenreich 12 (1903) 64.

Borneo, *Low*. Sarawak. Endemic.

Cordula villosa (Lindl.) Rolfe is erroneously credited to Borneo, by Miquel (*Cypripedium villosum* Lindl.) Fl. Ind. Bat. 3 (1859) 738; it is known only from Moulmein.

11. **Cordula virens** (Reichb. f.) Rolfe in Orch. Rev. 20 (1912) 2. *Cypripedium virens* Reichb. f. in Bot. Zeit. 21 (1863) 128. *Paphiopedilum virens* Pfitz. in Engl. Bot. Jahrb. 19 (1894) 41 and in Engl. Pflanzenreich 12 (1903) 84.

Borneo, fide *Reichenbach f.*; the specimen came from the Sunda Islands, not certainly from Borneo.

1. **Habenaria angustata** (Bl.) O.K. Rev. Gen. Pl. 2 (1891) 664. *Platanthera angustata* Lindl. Gen. Sp. Orch. Pl. (1835) 290.

Borneo, fide *J. J. Smith*. Orch. Jav.

2. **Habenaria borneensis** Ridl. in Stapf in Trans. Linn. Soc. Bot. 4 (1894) 240 in Journ. Linn. Soc. Bot. 31 (1896) 304 and in Journ. Str. Branch Roy. As. Soc. 49 (1908) 41.

British North Borneo, *Haviland*; Sarawak, *Ridley 12475*. Endemic.

3. **Habenaria elatius** Ridl. in Sarawak Mus. Journ. 1 (1912) 37.

Sarawak, *Brooks 44*. Endemic.

4. **Habenaria gibbsiae** (Rolfe) comb. nov. *Platanthera gibbsiae* Rolfe in Journ. Linn. Soc. Bot. 42 (1914) 160.
British North Borneo, *Gibbs* 4258. Endemic.
5. **Habenaria goodyeroides** Don Prodr. (1825) 25.
Peristylus goodyeroides Lindl. Gen. Sp. Orch. Pl. (1835) 299.
Habenaria sondaica Kranzl. Orch. Gen. Sp. 1 (1898) 382.
British North Borneo, *Haslam!* India to Malaya.
6. **Habenaria bambusetorum** Kranzl. Orch. Gen. Sp. 1 (1898) 384. *Peristylus gracilis* Blume Bijd. (1825) 404.
British North Borneo, *J. Clemens* 193! 397!
7. **Habenaria hallieri** (J. J. Sm.) Schltr. in Fedde Repert. 9 (1911) 338. *Peristylus hallieri* J. J. Sm. in Bull. Dept. Agr. Ind. Neerl. 22 (1909) 1.
Sarawak, *Beccari* 57, 3929, 3317; Dutch Borneo, *Hallier*. Endemic.
8. **Habenaria havilandii** Kranzl. Orch. Gen. Sp. 1 (1898) 427.
Sarawak, *Haviland*. Endemic.
9. **Habenaria hewittii** Ridl. in Journ. Str. Branch Roy. As. Soc. 54 (1910) 55.
Sarawak, *Hewitt*. Endemic.
10. **Habenaria kinabaluensis** (Kranzl.) comb. nov. *Platanthera kinabaluensis* Kranzl. ex Rolfe in Journ. Linn. Soc. Bot. 42 (1914) 160.
British North Borneo, *Haviland*. Endemic.
11. **Habenaria marmarophila** Ridl. in Journ. Linn. Soc. Bot. 31 (1895) 304, Kranzl. Orch. Gen. Sp. 1 (1901) 904, (as *H. marmarophylla*).
Sarawak, *Haviland*. Endemic.
12. **Habenaria ovariophora** Schltr. in Fedde Repert. 9 (1911) 434.
Sarawak, *Schlechter* 15838. Endemic.
13. **Habenaria rumphii** (Brongn.) Lindl. Gen. Sp. Orch. Pl. (1835) 230; J. J. Sm. in Winkler in Engl. Bot. Jahrb. 48 (1912) 96. *Platanthera rumphii* Brongn. Voy. Coquille Phan. (1829) 194, t. 38. A.
Dutch Borneo, *Winkler* 2261. Celebes, Moluccas, New Guinea.
14. **Habenaria spathulata** (J. J. Sm.) comb. nov. *Peristylus spathulatus* J. J. Sm. in Bull. Dept. Agr. Ind. Neerl. 22 (1909) 5, not *Habenaria spathulata* Benth. ex Jackson which is *Orchis spathulata* Reichb. f.

Borneo, fide *Smith* l.c. Endemic.

15. **Habenaria stapfii** (Kranzl.) comb. nov. *Platanthera stapfii* Kranzl. ex Rolfe in Journ. Linn. Soc. Bot. 42 (1914) 160.

British North Borneo, *Haviland*. Endemic.

16. **Habenaria unguiculata** (J. J. Sm.) comb. nov. *Peristylus unguiculatus* J. J. Sm. in Bull. Dept. Agr. Ind. Neerl. 22 (1909) 4.

Borneo, fide *J. J. Smith* l.c. Dutch Borneo, *Jaheri* 934. Endemic.

1. **Corybas fornicatus** Reichb. f. Beitr. Syst. Pfl. (1871) 67. *Corysanthes fornicata* (Blume) Lindl. Gen. Sp. Orch. Pl. (1840) 394; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 304.

Sarawak, *Haviland*. Malay Peninsula, Java.

1. **Cryptostylis arachnites** (Bl.) Hasskarl Cat. Bogor, (1844) 48; Blume Orch. Arch. Ind. (1858) 132, t. 45; Rendle in Journ. Bot. 39 (1901) 176. *Zosterostylis arachnites* Blume Bijdr. (1825) 419, Tabell, f. 32.

Sarawak, *Hose* 31. India and Ceylon to the Malay Peninsula, Java and the Philippine Islands.

1. **Galeola altissima** (Blume) Reichb. f. Xen. Orch. 2 (1865) 77.

Borneo, *Low*. Java, Malay Peninsula.

1. **Vanilla albida** Blume Cat. Gew. Buitenz. (1823) 100; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 303; Rolfe *ibid.* 32 (1896) 459.

Sarawak, *Haviland*. Malay Peninsula, Penang, Java.

2. **Vanilla borneensis** Rolfe in Journ. Linn. Soc. Bot. 32 (1896) 460.

Borneo, *Motley* 1248. Endemic.

1. **Lecanorchis malaccensis** Ridl. in Trans. Linn. Soc. Bot. 3 (1893) 377, t. 65 and in Journ. Bot. 36 (1898) 216.

Borneo, fide *Ridley* l.c. Siam, Malay Peninsula.

1. **Aphyllorchis borneensis** Schltr. in Bull. Herb. Boiss. II 6 (1906) 299.

Borneo, *Schlechter* 13520. Endemic

2. **Aphyllorchis pallida** Blume Bijdr. Tabell, (1826) f. 77 and Mus. Bot. Lugd. Bat. (1849) 30.

British North Borneo, Kinabalu, *J. Clemens* 323.

3. **Aphyllorchis spiculaea** Reichb. f. in Linnaea 41 (1877) 58.

Borneo, *Lobb*. Endemic.

1. *Nervilia borneensis* (J. J. Smith) Schltr. in Engl. Bot. Jahrb. 45 (1911) 402. *Pogonia borneensis* J. J. Sm. in Bull. Dept. Agr. Ind. Neerl. 22 (1909) 8.

Dutch Borneo, fide *Smith* l.c. Endemic

2. *Nervilia dilatata* (Blume) Schltr. in Engl. Bot. Jahrb. 45 (1911) 402. *Pogonia dilatata* Blume Orch. Arch. Ind. (1858) t. 10.

Borneo, fide *Schlechter* l.c. Endemic.

3. *Nervilia punctata* (Blume) Schltr. in Engl. Bot. Jahrb. 45 (1911) 402. *Pogonia punctata* Blume Mus. Bot. Lugd. Bat. 1 (1849) 32.

Borneo, fide *Schlechter* l.c. Java, Sumatra, Malay Peninsula.

1. *Leucolaena borneensis* Schltr. in Fedde Repert. 9 (1911) 428.

Sarawak, *Beccari* 1479. Endemic.

1. *Didymoplexis latilabris* Schltr. in Bull. Herb. Boiss. II 6 (1906) 300. Engl. Bot. Jahrb. 45 (1911) 408.

Borneo, *Schlechter* 13532. Endemic.

1. *Spiranthes sinensis* (Pers.) Ames, Orch. 2 (1908) 53.
British North Borneo, *Clemens* 190! Widely distributed in the tropics of the eastern hemisphere.

1. *Goodyera kinabaluensis* Rolfe in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 159.

British North Borneo, *Gibbs* 3997, 4003. Endemic.

2. *Goodyera rostrata* Ridl. in Journ. Str. Branch Roy. As. Soc. 49 (1908) 40.

Sarawak, *Hewitt*. Endemic.

1. *Erythrodes glandulosa* (Lindl.) comb. nov. *Physurus glandulosus* Lindl. in Journ. Linn. Soc. Bot. 1 (1857) 180; Miq. Fl. Ind. Bat. 3 (1859) 735. *Cystorchis glandulosa* Benth. ex Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 304.

Borneo, *Lobb*. Endemic.

1. *Cystorchis macrophysa* Schltr. in Fedde Repert. 9 (1911) 429.

Sarawak, *Beccari* 2636. Endemic.

2. *Cystorchis variegata* Blume Orch. Arch. Ind. (1858) 89, t. 24, 36c; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 304.

Sarawak, *Haviland*.

Var. *purpurea* Ridl. in Journ. Bot. 36 (1898) 216.

Borneo, *Ridley*. Malay Peninsula, Java.

1. **Cystopus hydrocephalus** J. J. Sm. in Bull. Dept. Agr. Ind. Neerl. 22 (1909) 9.

Dutch Borneo, *Hallier*, 3285. Endemic.

1. **Dossinia marmorata** C. Morr. in Ann. Soc. Bot. Gand. 4 (1848) 171, t. 193; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 304; Miq. Fl. Ind. Bat. 3 (1859) 731.

Borneo, fide *Morren*. Malay Peninsula, New Guinea.

1. **Adenostylis gracilis** (Bl.) comb. nov. *Zeuxine gracilis* Bl. Orch. Arch. Ind. (1858) 69 t. 18, f. 2, t. 23D.

Borneo, fide *J. J. Smith* in Orch. Jav.

2. **Adenostylis purpurascens** (Bl.) comb. nov. *Zeuxine purpurascens* Blume Orch. Arch. Ind. (1858) 71, t. 18, 23; Miq. Fl. Ind. Bat. 3 (1859) 723; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 303.

Borneo, fide *Blume*. Sumatra.

3. **Adenostylis violascens** (Blume) comb. nov. *Zeuxine violascens* Ridl. Mater. Fl. Malay Penin. Monocot. 1 (1907) 218; J. J. Sm. in Winkler in Engl. Bot. Jahrb. 48 (1912) 96. *Hetaeria purpurascens* Blume Orch. Arch. Ind. (1858) 105, t. 37. *Psychechilos purpurascens* Blume Orch. Arch. Ind. (1858) t. 9, f. 3.

Dutch Borneo, *Winkler* 2517a. Malay Peninsula, Java, Sumatra.

4. **Adenostylis viridiflora** (J. J. Sm.) comb. nov. *Zeuxine viridiflora* J. J. Sm. in Ic. Bogor. 2 (1906) 259 and in Winkler in Engl. Bot. Jahrb. 48 (1912) 96. *Haplochilus viridiflorum* J. J. Sm. in Ic. Bogor. 2 (1906) 21, t. 105B. *Zeuxine virescens* Schltr. in Bull. Herb. Boiss. II 6 (1906) 298.

Dutch Borneo, *Winkler* 2730. Java, Celebes.

1. **Anoectochilus spicatus** Miq. Fl. Ind. Bat. 3 (1859) 734, (as *A. spicatum*.) *Cystopus spicatus* Blume Orch. Arch. Ind. (1858) 84; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 304.

Dutch Borneo, *Muller*. Endemic.

1. **Vrydagzynea beccarii** Schltr. in Fedde Repert. 9 (1911) 429.

Sarawak, *Beccari* 905. Endemic

2. **Vrydagzynea elata** Schltr. in Fedde Repert. 9 (1911) 430.

Sarawak, *Beccari* 2673, *Hewitt*. Endemic.

1. **Hetaeria obliqua** Blume Orch. Arch. Ind. (1858) 104, t. 34, f. 1; Ridl. in Journ. Linn. Soc. Bot. 31 (1895) 303; J. J. Sm. in Winkler in Engl. Bot. Jahrb. 48 (1912) 96. *Dossinia? obliqua* Miq. Fl. Ind. Bat. 3 (1859) 731.

Dutch Borneo fide Miquel, *Winkler* 3362. Malay Peninsula, Sumatra.

1. ***Tropidia curculigoides*** Lindl. in Wall. Cat. (1832) n. 7386 nomen nudum Gen. Sp. Orch. (1830) 497. *Tropidia squamata* Blume Orch. Arch. Ind. (1858) 123, t. 14; Miq. Fl. Ind. Bat. 3 (1859) 747.

Borneo. Malay Peninsula.

1. ***Corymborchis veratrifolia***. (Reichb. f.) Blume Orch. Arch. Ind. (1858) 125, t. 42. *Corymbis veratrifolia* Reichb. f. in Flora 48 (1865) 184; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 303.

Sarawak, *Haviland*. Kinabalu, *J. Clemens* 123! India to Java and Sumatra.

1. ***Mischobulbon scapigerum*** (Hook. f.) Schltr. in Fedde Repert. Beih. 1 (1911) 98; Rolfe in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 153. *Nephelephyllum scapigerum* Hook. f. in Curtis's Bot. Mag. III 19 (1863) t. 5390.

Borneo, *Low*; British North Borneo, *Gibbs*. Endemic.

1. ***Tainia bigibba*** (Reichb. f.) Benth. ex Kranzl. in Engl. Pflanzenreich 50 (1911) 165. *Eria bigibba* Reichb. f. in Gard. Chron. II 22 (1884) 680; Kew Bull. Add. Series 4 (1900) 175.

Introduced into cultivation from Borneo. Endemic.

* 2. ***Tainia borneensis*** Ridl. in Journ. Str. Branch Roy. As. Soc. 49 (1908) 32.

Sarawak, *Hewitt*. Endemic.

3. ***Tainia plicata*** (Blume) Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 285. *Mitopetalum plicatum* Blume Mus. Bot. Lugd.-Bat. 2 (1856) 185.

Sarawak, *Haviland*. Java.

1. ***Nephelephyllum beccarii*** Schltr. in Fedde Repert. 9 (1911) 338.

Sarawak, *Beccari* 1682, *Hewitt*, *Brooks*. Endemic.

2. ***Nephelephyllum borneense*** Schltr. in Bull. Herb. Boiss. II 6 (1906) 301.

Dutch Borneo, *Schlechter* 13526. Endemic.

3. ***Nephelephyllum gracile*** Schltr. in Bull. Herb. Boiss. II 6 (1906) 301.

Dutch Borneo, *Schlechter* 13523. Endemic.

* 4. ***Nephelephyllum latilabre*** Ridl. in Stapf in Trans. Linn. Soc. Bot. 4 (1894) 238 in Journ. Linn. Soc. Bot. 31 (1896) 285.

British North Borneo, *Haviland* 1165. Endemic.

5. **Nephelaphyllum pulchrum** Bl. Bijdr. (1825) 373.

Borneo, fide *J. J. Smith* in Orch. Jav.

6. **Nephelaphyllum tenuiflorum** Blume Bijdr. (1825) 373; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 285.

Sarawak, *Haviland*. Malay Peninsula, Java.

1. **Chrysoglossum villosum** Blume Bijdr. (1825) 339; and Orch. Arch. Ind. (1858) 162, t. 47.

Borneo, fide *J. J. Smith* in Orch. Jav.

1. **Collabium simplex** Reichb. f. in Gard. Chron. II 15 (1881) 462; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 285; Kew Bull. Add. Series 4 (1900) 105.

Introduced to cultivation from Borneo. Endemic.

1. **Coelogyne asperata** Lindl. in Journ. Hort. Soc. 4 (1849) 221 & Fol. Orch. Coelogyne (1854) 3; Miq. Fl. Ind. Bat. 3 (1859) 666; Reichb. f. in Walp. Ann. 6 (1861) 224; Linden *Pescatorea* 1 (1854) t. 7, (plate as *C. lowii*), t. 5; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 287; *Lindenia* 13 (1897) 15 t. 582 and Kranzl. in Engl. Pflanzenreich 32 (1907) 76, f. 26A; *J. J. Sm.* in Winkler in Engl. Bot. Jahrb. 48 (1912) 96. *Coelogyne lowii* Paxt. Bot. Mag. 16 (1849) 225, fig.

Sarawak, *Low*; Dutch Borneo, *Winkler* 2344, *Amdjah* 376! Malay Peninsula, Sumatra, New Guinea.

2. **Coelogyne borneensis** Rolfe in Kew Bull. (1893) 62; Pfitz. & Kranzl. in Engl. Pflanzenreich 32 (1907) 27.

Borneo, *Linden*. Endemic.

Coelogyne dayana Reichb. f. in Gard. Chron. II 21 (1884) 826; Kew Bull. Add. Series 4 (1900) 103; Pfitzer & Kranzl., in Engl. Pflanzenreich 32 (1907) 70, f. 22 G; Rolfe in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 154.

Borneo, *Curtis*; British North Borneo, *Gibbs* 4339. *Herb. Hort. Bogor.* 432! *Haslam*! Malay Peninsula, Sumatra.

4. **Coelogyne distans** *J. J. Smith* in Bull. Dept. Agr. Ind. Neerl. 15 (1908) 2.

Borneo, fide *J. J. Smith*, l.c. Endemic.

5. **Coelogyne exaltata** Ridl. in Journ. Str. Branch Roy. As. Soc. 49 (1908) 29; Rolfe in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 155.

Sarawak, *Ridley* 12470; British North Borneo, *Gibbs* 4215. Endemic.

6. **Coelogyne foerstermanni** Reichb. f. in Gard. Chron. II 26 (1886) 262; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 287.

Sarawak, *Haviland*. Malay Peninsula, Sumatra.

7. **Coelogyne gibbifera** J. J. Sm. in Bull. Jard. Bot. Buitenz. 3 (1912) 53 & in Journ. Str. Branch Roy. As. Soc. 63 (1912) 64. Sarawak, *Moulton 12*. Endemic.
8. **Coelogyne kelamensis** J. J. Sm. in Ic. Bogor. 4 (1910) 5, t. 302. Dutch Borneo, *Hallier 2489*. Endemic.
9. **Coelogyne lurida** L. Lind. & Cogn. in *Lindenia* 11 (1895) 32, 12 (1896) 33, t. 532. *Chelonanthera lurida* L. Lind. & Cogn. ex Pfitz. in Engl. Pflanzenreich 32 (1907) 138 in synonym. *Chelenostele lurida* Pfitz. in Engl. Pflanzenreich 32 (1907) 138. British North Borneo, *Gibbs 4095*. Apparently endemic.
10. **Coelogyne moultonii** J. J. Sm. in Bull. Jard. Bot. Buitenz. 3 (1912) 54 & in Journ. Str. Branch Roy. As. Soc. 63 (1912) 65. Sarawak, *Moulton 17*. Endemic.
11. **Coelogyne pandurata** Lindl. Gard. Chron. (1853) 791; & Fol. Orch. Coelogyne (1854) 3; Hook. f. in Curtis's Bot. Mag. III 14 (1858) t. 5084; Reichb. f. in Walp. Ann. 6 (1861) 224; Miq. Fl. Ind. Bat. 3 (1859) 666; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 286; Pfitzer & Kranzl. in Engl. Pflanzenreich 32 (1907) 75, f. 26c. Borneo, *Low*, Sarawak, *Haviland!* Malay Peninsula, Sumatra.
12. **Coelogyne papillosa** Ridl. in Stapf. in Trans. Linn. Soc. Bot. 4 (1894) 238 & in Journ. Linn. Soc. Bot. 31 (1896) 287; Rolfe. in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 154; Pfitzer and Kranzl. in Engl. Pflanzenreich 32 (1907) 78. British North Borneo, *Low*, *Haviland*, *Gibbs 4261*, *Haslam!* Endemic.
13. **Coelogyne peltastes** Reichb. f. in Gard. Chron. II 14 (1880) 296; Kew Bull. Add. Series 4 (1900) 104; Pfitzer & Kranzl. in Engl. Pflanzenreich 32 (1907) 73, f. 25 A. B. Borneo, *Low*. Endemic.
14. **Coelogyne phaiostele** Ridl. in Journ. Str. Branch Roy. As. Soc. 54 (1910) 51. Sarawak, *Ridley*. Endemic.
15. **Coelogyne pholidotoides** J. J. Sm. in Ic. Bogor. 2 (1903) 24, t. 106 B; Pfitzer & Kranzl. in Engl. Pflanzenreich 32 (1907) 71. Dutch Borneo, *Hallier*, *Molengraaf*. Endemic.
16. **Coelogyne quadrangularis** Ridl. in Journ. Linn. Soc. Bot. 32 (1896) 323 & Mater. Fl. Malay Penin. 1 (1907) 129.

Borneo, *fide Ridley*. Malay Peninsula.

17. *Coelogyne ridleyana* Schltr. in Fedde Repert. 8 (1910) 561.

Sarawak, *Hewitt, Brooks*. Endemic.

18. *Coelogyne rochussenii* DeVriese III. Orch. Ind. Orient. Neerl. (1854) t. 2, t. 11, f. 6; Ridl. Mater. Fl. Malay Penin. 1 (1907) 128.

Borneo, *fide Ridley* l.c. Sumatra, Java, Malay Peninsula.

19. *Coelogyne sanderiana* Reichb. f. in Gard. Chron. III 1 (1887) 764; Rolfe ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 154.

British North Borneo, *Gibbs 3971*. *G. Henepai!* Apparently endemic.

20. *Coelogyne septemcostata* J. J. Sm. in Ic. Bogor. 2 (1903) 23, t. 106 A; Pfitzer & Kranzl. in Engl. Pflanzenreich 32 (1907) 31.

Dutch Borneo, *Nieuwenhuis*. Sumatra.

21. *Coelogyne speciosa* (Blume) Lindl. Gen. Sp. Orch. Pl. (1830) 39; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 286. *Chelonanthera speciosa* Blume Bijdr. (1825) 384, Tabell, f. 51.

Sarawak, *Everett*. Malay Peninsula, Java.

22. *Coelogyne squamulosa* J. J. Sm. in Bull. Dept. Agr. Ind. Neerl. 15 (1908) 3.

Dutch Borneo, *Hallier*. Endemic.

23. *Coelogyne stellaris* Reichb. f. in Gard. Chron. II 25 (1886) 8; Kew Bull. Add. Series 4 (1900) 104; Pfitzer and Kranzl. in Engl. Pflanzenreich 32 (1907) 55.

Introduced into cultivation from Borneo. Endemic.

24. *Coelogyne subintegra* J. J. Sm. in Bull. Dept. Agr. Ind. Neerl. 22 (1909) 12.

Borneo, *Hallier 1721*. Endemic.

25. *Coelogyne sulphurea* Reichb. f. in Bonpl. 5 (1857) 43.

Borneo, *fide J. J. Smith*; British North Borneo, *Clemens 338!* 375!

26. *Coelogyne tenuiflora* Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 287.

Sarawak, *Haviland*. Endemic.

27. *Coelogyne tenuis* Rolfe in Kew Bull. (1893) 171; Kew Bull. Add. Series 4 (1900) 104; Pfitzer and Kranzl. in Engl. Pflanzenreich 32 (1907) 26.

Borneo, *Linden*. Endemic.

28. *Coelogyne vermicularis* J. J. Sm. in *Ic. Bogor* 3 (1906) 9, t. 204.

Borneo, *Nieuwenhuis*. Endemic.

1. *Sigmatochilus kinabaluensis* Rolfe in Gibbs in *Journ. Linn. Soc. Bot.* 42 (1914) 155, t. 3.

British North Borneo, *Gibbs* 4260. A monotypic endemic genus.

1. *Dendrochilum bicallosum* J. J. Sm. in *Bull. Dept. Agr. Ind. Neerl.* 22 (1909) 17 non Ames.

Dutch Borneo, *Hallier* 1312; Sarawak, *Brooks*. Endemic.

2. *Dendrochilum bigibbosum* J. J. Sm. in *Bull. Dept. Agr. Ind. Neerl.* 45 (1911) 13.

Borneo, *Hallier* 1312; Sarawak, *Brooks*. Endemic.

3. *Dendrochilum brevilabratum* (Rendle) Pfitzer in *Engl. Pflanzenreich* 32 (1907) 89. *Platyclinis brevilabrata* Rendle in *Journ. Bot.* 39 (1901) 173. *Acoridium brevilabratum* Rolfe in *Orch. Rev.* 12 (1904) 220.

Sarawak, *Hose* 52. Endemic; J. J. Smith, *Bull. Dept. Agr. Ind. Neerl.* 43 (1910) 15, places this as a doubtful synonym of *Dendrochilum cornutum* Blume.

4. *Dendrochilum conopseum* Ridl. in *Stapf* in *Trans. Linn. Soc. Bot.* 4 (1894) 236 and in *Journ. Linn. Soc. Bot.* 31 (1896) 280; J. J. Sm. in *Recueil Trav. Bot. Neerl.* 1 (1904) 58; Pfitzer and Kranzl. in *Engl. Pflanzenreich* 32 (1907) 91.

British North Borneo, *Haviland*. Endemic.

5. *Dendrochilum cornutum* Blume *Bijdr.* (1825) 399; Pfitzer and Kranzl. in *Engl. Pflanzenreich* 32 (1907) 106; J. J. Sm. in *Bull. Dept. Agr. Neerl. Ind.* 43 (1910) 15.

Borneo, fide Smith ex Kranzlin. Sumatra, Java.

6. *Dendrochilum corrugatum* (Ridl.) J. J. Sm. in *Recueil Trav. Bot. Neerl.* 1 (1904) 65; Pfitzer and Kranzl. in *Engl. Pflanzenreich* 32 (1907) 105. *Platyclinis corrugata* Ridl. in *Stapf* in *Trans. Linn. Soc. Bot.* 4 (1894) 233 and in *Journ. Linn. Soc. Bot.* 31 (1896) 266.

British North Borneo, *Haviland*. Endemic.

7. *Dendrochilum dewindtianum* W. W. Sm. in *Notes Bot. Gard. Edinburgh* 8 (1915) 321.

British North Borneo, *Native collector* 68, 98 *Edinburgh*. Endemic.

8. **Dendrochilum dolichobrachium** (Schltr.) comb. nov.
Platyclinis dolichobrachia Schltr. in Bull. Herb. Boiss. II 6 (1906) 301.

Borneo, *Schlechter 13557*. Endemic.

9. **Dendrochilum gibbsiae** Rolfe in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 147.

British North Borneo, *Gibbs 4087*. Endemic.

10. **Dendrochilum globigerum** (Ridl.) J. J. Sm. in Recueil Trav. Bot. Neerl. 1 (1904) 64; Pfitzer and Kranzl. in Engl. Pflanzenreich 32 (1907) 96. *Platyclinis globigera* Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 266.

Sarawak, *Beccari 3342, Haviland*. Endemic.

11. **Dendrochilum grandiflorum** (Ridl.) J. J. Sm. in Recueil Trav. Bot. Neerl. 1 (1904) 66; Pfitzer and Kranzl. in Engl. Pflanzenreich 32 (1907) 101, f. 35 A; Rolfe in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 147. *Platyclinis grandiflora* Ridl. in Stapf in Trans. Linn. Soc. Bot. 4 (1894) 233 and in Journ. Linn. Soc. Bot. 31 (1896) 266.

British North Borneo, *Haviland 1142, J. Clemens 209!* Endemic.

12. **Dendrochilum hamatum** Schltr. in Fedde Repert. 9 (1911) 340.

Sarawak, *Beccari 476*. Endemic.

13. **Dendrochilum havilandii** Pfitzer in Engl. Pflanzenreich 32 (1907) 107.

Sarawak, *Haviland 2346*. Endemic.

14. **Dendrochilum hewittii** J. J. Sm. in Bull. Dept. Agr.-Neerl. Ind. 22 (1909) 14.

Sarawak, *Hewitt*. Endemic.

15. **Dendrochilum kinabaluense** Rolfe in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 148.

British North Borneo, *Gibbs 4085*. Endemic.

16. **Dendrochilum kingii** (Hook. f.) Pfitzer in Engl. Pflanzenreich 32 (1907) 110. *Platyclinis kingii* Hook. f. Fl. Brit. Ind. 5 (1890) 708 and Ic. IV 1 (1890) t. 2015; Ridl. Mater. Fl. Malay Penin. 1 (1907) 28.

Borneo, fide *Ridley* l.c. Malay Peninsula.

17. **Dendrochilum lawiense** J. J. Sm. in Journ. Str. Branch Roy. As. Soc. 63 (1912) 68.

Sarawak, *Moulton*. Endemic.

18. **Dendrochilum longifolium** Reichb. f. in Bonpl. 4 (1856)
329. *Platyclinis longifolia* Hemsl. in Gard. Chron. II 16 (1881)
656; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 266.

Sarawak, *Haviland*. Malay Peninsula, Philippines.

19. **Dendrochilum longipes** J. J. Sm. in Journ. Str. Branch
Roy. As. Soc. 63 (1912) 66 and in Bull. Jard. Bot. Buitenz. 3
(1912) 55.

Sarawak, *Moulton* 15. Endemic.

20. **Dendrochilum micranthum** Schltr. in Bull. Herb. Boiss.
II 6 (1906) 303.

Dutch Borneo, *Schlechter* 13561. Endemic.

21. **Dendrochilum microchilum** (Schltr.) Ames Orch. 2
(1908) 87. *Platyclinis microchila* Schltr. in Bull. Herb. Boiss. II
6 (1906) 302.

The type was from a specimen cultivated in Sandakan, which
may have originated in the Philippines; see *Schlechter* l.c.

22. **Dendrochilum minimum** (Ridl.) comb. nov. *Platyclinis*
minima Ridl. in Journ. Str. Branch Roy. As. Soc. 49 (1908) 30.

Sarawak, *Hewitt*. Endemic.

23. **Dendrochilum minus** (Ridl.) comb. nov. *Platyclinis*
minor Ridl. in Journ. Str. Branch Roy. As. Soc. 49 (1908) 30.

Sarawak, *Hewitt*. Endemic.

24. **Dendrochilum oxylobum** Schltr. in Fedde Repert. 9
(1911) 431.

Sarawak, *Beccari* 1125. Endemic.

25. **Dendrochilum remotum** J. J. Sm. in Journ. Str. Branch
Roy. As. Soc. 63 (1912) 67, Bull. Jard. Bot. Buitenz. 3 (1912)
57.

Sarawak, *Moulton* 10. Endemic.

26. **Dendrochilum sarawakense** (Ridl.) J. J. Sm. in Recueil
Trav. Bot. Neerl. 1 (1904) 66; Pfitzer and Kranzl. in Engl. Pflan-
zenreich 32 (1907) 109, f. 36, G. H. *Platyclinis sarawakensis* Ridl.
in Journ. Linn. Soc. Bot. 31 (1896) 267.

Sarawak, *Biggs*. Malay Peninsula.

27. **Dendrochilum simile** Blume Bijdr. (1825) 400; J. J. Sm.
in Recueil Trav. Bot. Neerl. 1 (1904) 63; Pfitzer and Kranzl.
in Engl. Pflanzenreich 32 (1907) 95. *Platyclinis similis* Ridl. in
Journ. Linn. Soc. Bot. 31 (1896) 266 (as *P. simile*).

Sarawak, *Haviland*. Malay Peninsula, Sumatra, Sumbawa,
Java.

28. **Dendrochilum simplex** J. J. Sm. in Bull. Dept. Agr. Neerl. Ind. 22 (1909) 13.

Borneo, *Hallier n. 2646*. Endemic.

29. **Dendrochilum stachyodes** (Ridl.) J. J. Sm. in Recueil Trav. Bot. Neerl. 1 (1904) 77; Pfitzer and Kranzl. in Engl. Pflanzenreich 32 (1907) 110; Rolfe in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 147. *Platyclinis stachyodes* Ridl. in Stapf in Trans. Linn. Soc. Bot. 4 (1894) 234 and in Journ. Linn. Soc. Bot. 31 (1896) 267.

British North Borneo, *Haviland, Gibbs 4181*; Mount Kinabalu, *J. Clemens 115! 224!* Endemic.

30. **Dendrochilum tardum** J. J. Sm. in Bull. Dept. Agr. Ind. Neerl. 15 (1908) 6.

Borneo, fide *Smith l.c.* Endemic.

31. **Dendrochilum trilobum** (Ridl.) comb. nov. *Platyclinis triloba* Ridl. in Sarawak Mus. Journ. 1 (1912) 35.

Sarawak, *Moulton*. Endemic.

32. **Dendrochilum viridifuscum** J. J. Sm. in Bull. Jard. Buitenz. 25 (1917) 11.

Dutch Borneo, *Van Nouhys*. Cult. Hort. Bogor. no. 16 Endemic.

1. **Pholidota caduca** Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 288; Pfitz. and Kranzl. in Engl. Pflanzenreich 32 (1907) 145.

Sarawak, *Haviland*.

2. **Pholidota carnea** (Blume) Lindl. Gen. Sp. Orch. Pl. (1830) 37.

British North Borneo, *J. Clemens 331!*

3. **Pholidota clypeata** Lindl. in Journ. Hort. Soc. 5 (1850) 37. *Coelogyne clypeata* Reichb. f. in Walp. Ann. 6 (1861) 237. *Chelonanthera clypeata* Pfitz. in Engl. Pflanzenreich 32 (1907) 142.

Borneo, fide *Lindley*. Java.

4. **Pholidota gibbosa** Lindl. ex DeVriese Ill. Orch. Ind. Orient. Neerl. (1854) t. 5, f. 1, t. 11, f. 2. *Chelonanthera gibbosa* Blume Bijdr. (1825) 383; Pfitz. in Engl. Pflanzenreich 32 (1907) 142. *Coelogyne gibbosa* Reichb. f. in Walp. Ann. 6 (1861) 237.

British North Borneo, *J. Clemens 83! 92! 127!*

5. **Pholidota imbricata** Lindl. in Hook. Exot. Fl. 2 (1825) t. 138; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 287.

Sarawak, *Haviland*, *Native collector Bur. Sci. 1331!* India to Malaya and the Philippines.

6. **Pholidota sulcata** J. J. Sm. in *Ic. Bogor.* 2 (1903) 27, *t. 107 A*; Pfitzer and Kranzl. in *Engl. Pflanzenreich* 32 (1907) 147.

Dutch Borneo, *Hallier*. Endemic.

7. **Pholidota ventricosa** (Blume) Reichb. f. in *Bonpl.* 5 (1857) 43. *Pholidota sesquitoria* Kranzl. *Xen. Orch.* 3 (1893) 114, *t. 266, f. 1-7*; Pfitzer and Kranzl. in *Engl. Pflanzenreich* 32 (1907) 146, *50 F.* *Chelonanthera ventricosa* Blume *Bijdr.* (1825) 383.

Introduced into cultivation from (?) Borneo, Philippines.

1. **Malaxis andersonii** (Ridl.) comb. nov. *Microstylis andersonii* Ridl. in *Kew Bull.* (1914) 210.

Sarawak, *Anderson* 42. Endemic.

2. **Malaxis aurata** (Ridl.) comb. nov. *Microstylis aurata* Ridl. in *Journ. Str. Branch Roy. As. Soc.* 49 (1908) 27.

Sarawak, *Hewitt*. Endemic.

3. **Malaxis bidentifera** (J. J. Sm.) comb. nov. *Microstylis bidentifera* J. J. Sm. in *Winkler in Engl. Bot. Jahrb.* 48 (1912) 97.

Dutch Borneo, *Winkler* 2675. Endemic.

4. **Malaxis burbidgei** (Reichb. f.) O. Ktze. *Rev. Gen. Pl.* 2 (1891) 673. *Microstylis burbidgei* Reichb. f. ex Ridl. in *Journ. Linn. Soc. Bot.* 24 (1883) 336.

Labuan, *Burbidge*. Endemic.

5. **Malaxis calophylla** (Reichb. f.) O. Ktze. *Rev. Gen. Pl.* 2 (1891) 673. *Microstylis calophylla* Reichb. f. in *Gard. Chron.* II 12 (1879) 718; Ridl. in *Stapf in Trans. Linn. Soc. Bot.* 4 (1894) 233 and in *Journ. Linn. Soc. Bot.* 31 (1896) 263.

British North Borneo, *Haviland*. Siam, Pegu, Penang.

6. **Malaxis chlorophrys** (Reichb. f.) O. Ktze. *Rev. Gen. Pl.* 2 (1891) 673. *Microstylis chlorophrys* Reichb. f. in *Gard. Chron.* II 15 (1881) 266; *Bull. Cat.* (1881) 19; Ridl. in *Journ. Linn. Soc. Bot.* 24 (1888) 341, 31 (1896) 263.

Introduced into cultivation from Borneo. Endemic.

7. **Malaxis commelinifolia** (Zoll. and Mor.) O. Ktze. *Rev. Gen. Pl.* 2 (1891) 673. *Microstylis commelinifolia* Zoll. and Mor. in *Nat. en Geneesk. Arch. Neerl. Ind.* 1 (1844) 402; Ridl. in *Journ. Linn. Soc. Bot.* 32 (1896) 221.

Borneo, fide *Ridley*. Java.

8. **Malaxis damusica** (J. J. Sm.) comb. nov. *Microstylis damusica* J. J. Sm. in Bull. Dept. Agr. Neerl. Ind. 22 (1909) 20. Borneo, *Hallier* 419.

9. **Malaxis elegans** (Ridl.) comb. nov. *Microstylis elegans* Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 264. Sarawak, *Haviland*. Endemic.

10. **Malaxis kinabaluensis** (Rolfe) comb. nov. *Microstylis kinabaluensis* Rolfe in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 146.

British North Borneo, *Gibbs* 4065. Endemic.

11. **Malaxis laciniosa** (Ridl.) comb. nov. *Microstylis laciniosa* Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 264.

Sarawak, *Haviland*. Endemic.

12. **Malaxis latifolia** Smith in Rees Cycl. 22 (1819) No. 3. *Microstylis latifolia* J. J. Sm. Fl. Buitenz. 6 (1905) Orch. 248. *Dienia congesta* Lindl. in Bot. Reg. 10 (1824) sub. t. 825 and Gen. Sp. Orch. Pl. (1830) 22; Reichb. f. in Bonpl. 3 (1855) 250. *Microstylis congesta* Reichb. in Walp. Ann. 6 (1861) 206; Ridl. Mater Fl. Malay Penin. 1 (1907) 14.

Borneo, fide *Ridley* l.c. and J. J. Smith l.c. India to Australia.

13. **Malaxis lowii** (E. Morr.) comb. nov. *Microstylis lowii* E. Morr in Belg. Hort. 34 (1884) 281, t. 14, f. 3; Kew Bull. Add. Series 4 (1900) 263.

Introduced into cultivation from Borneo. Endemic.

14. **Malaxis maculata** (Ridl.) comb. nov. *Microstylis maculata* Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 263.

Sarawak, *Hose*. Endemic.

15. **Malaxis metallica** (Reichb. f.) O. Ktze. Rev. Gen. Pl. 2 (1891) 673. *Microstylis metallica* Reichb. f. in Gard. Chron. II 12 (1879) 750; Hook. f. in Curtis's Bot. Mag. III 39 (1883) t. 6668; Ridl. in Journ. Linn. Soc. Bot. 24 (1888) 341, 31 (1896) 263.

Introduced into cultivation from Borneo. Endemic.

16. **Malaxis micrantha** (Hook. f.) O. Ktze. Rev. Gen. Pl. 2 (1891) 673. *Microstylis micrantha* Hook. f. Ic. III 9 (1889) t. 1834; Ridl. Mater. Fl. Malay Penin. 1 (1907) 14.

Borneo, fide *Ridley* l.c. Malay Peninsula.

17. **Malaxis pleisthantha** (Schltr.) comb. nov. *Microstylis pleisthantha* Schltr. in Fedde Repert. 9 (1911) 340.

Sarawak, *Beccari* 3717. Endemic.

18. **Malaxis ramosa** (J. J. Sm.) comb. nov. *Microstylis ramosa* J. J. Sm. in Ic. Bogor. 2 (1903) 40, t. 108 F.

Dutch Borneo, *Nieuwenhuis*. Endemic.

19. **Malaxis venosa** (J. J. Sm.) comb. nov. *Microstylis venosa* J. J. Sm. in Ic. Bogor, 2 (1903) 33, t. 108 A.

Dutch Borneo, *Nieuwenhuis*. Endemic.

1. **Oberonia borneensis** Schltr. in Fedde Repert. 8 (1910) 563.

Sarawak, *Roulledge*, *Sarawak Museum Collector 2137!* Endemic.

2. **Oberonia ciliolata** Hook f, Fl. Brit. Ind. 6 (1890) 181; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 262 and Mater. Fl. Malay Penin. 1 (1907) 19.

Sarawak, *Haviland*. Malay Peninsula.

3. **Oberonia filaris** Ridl. in Journ. Str. Branch Roy. As. Soc. 50 (1908) 126.

Sarawak, *Hullett*, *Ridley*, *Sarawak Museum Collector 593!* 1300! Endemic.

4. **Oberonia hosei** Rendle in Journ. Bot. 39 (1901) 173.

Sarawak, *Hose 30*, *Sarawak Museum Collector 2391!* Endemic.

5. **Oberonia iridifolia** Lindl. Gen. Sp. Orch. Pl. (1830) 15; Rendle in Journ. Bot. 39 (1901) 173.

Sarawak, *Hose 151!* India to Australia.

6. **Oberonia lobbiana** Lindl. Fol. Orch. Oberonia (1859) 7; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 363. *Malaxis lobbiana* Reichb. f. in Walp. Ann. 6 (1861) 216.

Borneo, *Lobb*. Endemic.

7. **Oberonia longifolia** Ridl. in Journ. Str. Branch Roy. As. Soc. 50 (1908) 127.

Sarawak, *Ridley*, *Hewitt*. Endemic.

8. **Oberonia macrostachys** Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 263.

Sarawak, *Haviland*. Endemic.

9. **Oberonia melinantha** Schltr. in Bull. Herb. Boiss II 6 (1906) 305.

Sarawak, *Schlechter 13364*. Endemic.

10. **Oberonia multiflora** Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 262.

Sarawak, *Haviland*. Endemic.

11. **Oberonia neglecta** Schltr. in Fedde Repert. 9 (1911) 26.

Sarawak, *Schlechter 15842*, *Sarawak Museum Collector 921!* Endemic.

12. **Oberonia rubra** Ridl. in Journ. Str. Branch Roy. As. Soc. 50 (1908) 127.

Sarawak, *Ridley*. Endemic.

13. **Oberonia sarawakensis** Schltr. in Fedde Repert. 9 (1911) 342.

Sarawak, *Beccari 1543*. Endemic.

14. **Oberonia scortechinii** Hook. f. Fl. Brit. Ind. 5 (1888) 683.

Borneo, fide *J. J. Smith*.

15. **Oberonia sinuosa** Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 263.

Sarawak, *Hose, Haviland*. Endemic.

16. **Oberonia spatulata** Lindl. Gen. Sp. Orch. Pl. (1830) 16.

Borneo, fide *J. J. Smith*.

1. **Liparis araneola** Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 265.

Dutch Borneo, from specimens cultivated in Singapore. Endemic.

2. **Liparis bicuspidata** J. J. Sm. in Ic. Bogor. 2 (1903) 45, t. 109 C.

Dutch Borneo, *Nieuwenhuis*. Endemic.

3. **Liparis brooksii** Ridl. in Journ. Str. Branch Roy. As. Soc. 54 (1910) 47.

Sarawak, *Brooks*. Endemic.

4. **Liparis caespitosa** Lindl. Bot. Reg. 11 (1825) sub t. 882.

Borneo, fide *J. J. Smith*. Philippines, Sumatra.

5. **Liparis compressa** Lindl. Gen. Sp. Orch. Pl. (1830) 32; Ridl. Mater. Fl. Malay Penin. 1 (1907) 25.

Borneo, fide *Ridley* l.c. Malay Peninsula, Sumatra, Java, Celebes, Philippines.

6. **Liparis confusa** J. J. Sm. Fl. Buitenz. 6 (1905) Orch. 275.

Borneo, fide *J. J. Smith*. Java, Philippines.

7. *Liparis disticha* Lindl. Bot. Reg. **11** (1825) sub. t. 882; Ridl. in Journ. Linn. Soc. Bot. **31** (1896) 265; Rolfe in Gibbs in Journ. Linn. Soc. Bot. **42** (1914) 147.
Dutch Borneo, *Korthals!*; British North Borneo, *Gibbs 4014*. Ceylon to the Mascarene Islands, through Malaya to Polynesia.
8. *Liparis dolichostachys* Schltr. in Bull. Herb. Boiss. **II 6** (1906) 307.
Borneo, *Schlechter 13540*. Endemic.
9. *Liparis elegans* Lindl. in Wall. Cat. (1828) n. 1943, *nomen nudum*, Gen. Sp. Orch. Pl. (1830) 30; Ridl. in Journ. Linn. Soc. Bot. **31** (1896) 265.
Sarawak, fide *Ridley* l.c. Malay Peninsula.
10. *Liparis ferruginea* Lindl. in Gard. Chron. (1848) 55; Ridl. in Journ. Linn. Soc. Bot. **22** (1886) 264.
Labuan, *Lobb*. Cambodia, Malay Peninsula.
11. *Liparis flaccida* Reichb. f. in Linnaea **41** (1877) 45; Ridl. in Journ. Linn. Soc. Bot. **31** (1896) 265; Rendle in Journ. Bot. **39** (1901) 173.
Sarawak, *Hose 459!* *Haviland*. Siam to Sumatra and Java.
12. *Liparis glaucescens* J. J. Sm. in Ic. Bogor. **2** (1903) 47, t. 109 D.
Dutch Borneo, *Hallier*. Endemic.
13. *Liparis grandiflora* Ridl. in Journ. Bot. **22** (1884) 333, and in Journ. Linn. Soc. Bot. **22** (1886) 282, **31** (1896) 265.
Dutch Borneo, *Grabowski*; Sarawak, *Everett*. Endemic.
14. *Liparis lacerata* Ridl. in Journ. Linn. Soc. Bot. **22** (1886) 284; **31** (1896) 265; J. J. Sm. in Winkler in Engl. Bot. Jahrb. **48** (1912) 98.
Borneo, *Burbidge*; Dutch Borneo, *Winkler 2309, 2309a*; Sarawak, *Haviland, Foxworthy 107! 137!* Tenasserim and the Malay Peninsula.
15. *Liparis latifolia* Lindl. Gen. Sp. Orch. Pl. (1830) 30; Ridl. in Journ. Linn. Soc. Bot. **31** (1896) 265.
Sarawak, *Haviland*; British North Borneo, Mount Kinabalu, *J. Clemens 180!* Malay Peninsula, Java.
16. *Liparis longipes* Lindl. in Wall. Pl. Asiat. Rar. **1** (1830) 31, t. 35.
British North Borneo, *J. Clemens 35! 49! 312! 337!* India to Malaya.
17. *Liparis longissima* J. J. Sm. in Bull. Bot. Buitenz. **13** (1914) 6.

Dutch Borneo, *Amdjah*. Endemic.

18. *Liparis montana* Lindl. var. **maxima** Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 264. ..

Sarawak, *Haviland*.

19. *Liparis parviflora* Lindl. Gen. Sp. Orch. Pl. (1830) 31.

Borneo, fide *J. J. Smith*. Java, Sumatra, Philippines.

20. *Liparis pectinifera* Ridl. Journ. Bot. 36 (1898) 210. *L. montana* Ridl. non Lindl. Journ. Linn. Soc. Bot. 22 (1886) 277.

Borneo, fide *J. J. Smith*.

21. *Liparis stricta* J. J. Sm. in Bull. Dept. Agr. Ind. Neerl. 5 (1907) 3.

Dutch Borneo, *Nieuwenhuis*. Endemic. *

22. *Liparis tricallosa* Reichb. f. in Gard. Chron. II 11 (1879) 684; Ridl. in Journ. Linn. Soc. Bot. 22 (1886) 275; Kew Bull. Add. Series 4 (1900) 240; Hook. f. in Curtis's Bot. Mag. III 57 (1901) t. 7804. *Liparis venosa* Ridl. in Journ. Linn. Soc. Bot. 24 (1888) 350 and in Mater. Fl. Malay Penin. 1 (1907) 21.

Borneo, fide *Ridley* l.c.; the type was from Buut Island, Sulu Archipelago, not from Borneo. Malay Peninsula.

1. *Claderia viridiflora* Hook. f. Fl. Brit. Ind. 5 (1890) 810; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 285 and in Journ. Bot. 36 (1898) 214.

Sarawak, *Haviland*; British North Borneo, *Ridley*. Malay Peninsula, Sumatra.

1. *Arundina cantleyi* Hook. f. Fl. Brit. Ind. 5 (1890) 858. *Dilochia cantleyi* Ridl. in Journ. Linn. Soc. Bot. 32 (1896) 332.

British North Borneo, *J. Clemens* 272! Perak.

2. *Arundina philippi* Reichb. f. in Linnaea 25 (1852) 227 Reichb. f. in Walp. Ann. 6 (1857-60) 457; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 289.

Borneo, fide *Ridley* l.c. Java, southern China.

3. *Arundina speciosa* Blume Bijdr. (1825) 401, Tabell. f. 73; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 288.

Sarawak, *Haviland*; British North Borneo, Mount Kinabalu, *Haslam*, *J. Clemens*. India to the Malay Peninsula and Java.

4. *Arundina wallichii* (Lindl.) Reichb. f. Xen. Orch. 2 (1862) 13, t. 105, f. 13-15, (plate as *D. wallichii*). *Dilochia wallichii* Lindl. Gen. Sp. Orch. Pl. (1830) 38; Miq. Fl. Ind. Bat. 3 (1859) (as *Dilochus wallichii*) 669; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 289.

Dutch Borneo, *Korthals*; Sarawak, *Haviland*. Malay Peninsula.

1. **Dendrobium acerosum** Lindl. in Bot. Reg. 27 (1841) Misc. 46; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 268; Kranzl. in Engl. Pflanzenreich 45 (1910) 221.

Borneo, *Motley 520, 1051*. Tenasserim to the Malay Peninsula and Sumatra.

2. **Dendrobium aciculare** Lindl. in Bot. Reg. 26 (1840) Misc. 81; Kranzl. in Engl. Pflanzenreich 45 (1910) 241. *Dendrobium koeteianum* Schltr. in Bull. Herb. Boiss. II 6 (1906) 456, fide Kranzlin.

Borneo, *Schlechter 13342*. Philippines?

3. **Dendrobium aloefolium** (Blume) Reichb. f. in Walp. Ann. 6 (1861) 279; Kranzl. in Engl. Pflanzenreich 45 (1910) 206 (as *D. aloifolium*); J. J. Sm. in Winkler in Engl. Bot. Jahrb. 48 (1912) 98 (as *D. aloifolium*). *Macrostomium aloefolium* Blume Bijdr. (1825) 335, Tabell. f. 37. *Dendrobium serra* Lindl. in Journ. Linn. Soc. Bot. 3 (1859) 3; Rendle in Journ. Bot. 38 (1901) 174.

British North Borneo, *Creagh*; Dutch Borneo, *Motley 586, Winkler 2517, 3075*; Sarawak, *Hose 153*. Malay Peninsula, Java, Banca, Sumatra.

4. **Dendrobium anosmum** Lindl. in Bot. Reg. 31 (1844) Misc. 32; J. J. Sm. in Winkler in Engl. Bot. Jahrb. 48 (1912) 101. *Dendrobium superbum* Reichb. f. in Walp. Ann. 6 (1861) 282. *Dendrobium superbum* var. *burkei* Reichb. f. in Gard. Chron. II 21 (1884) 306; Kranzl. in Engl. Pflanzenreich 45 (1910) 34.

Sarawak, *Beccari 3090, 3514*; Dutch Borneo, *Winkler 3487*. Malay Peninsula, Philippines, Moluccas.

5. **Dendrobium antherene** Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 272; Kranzl. in Engl. Pflanzenreich 45 (1910) 129.

Sarawak, *Hose*. Endemic.

6. **Dendrobium atropurpureum** (Blume) Miq. Fl. Ind. Bat. 3 (1859) 644; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 268; Kranzl. Engl. Pflanzenreich 45 (1910) 217. *Oxystophyllum atropurpureum* Blume Rumphia 4 (1848) 41, t. 193, f. 4, t. 198 C.

Sarawak, *Beccari 208, 259*. Malay Peninsula and Archipelago. (The likelihood of confusion with *D. cultratum* Schltr. should be borne in mind when the range of the species is studied).

7. **Dendrobium attenuatum** Lindl. in Journ. Linn. Soc. Bot. 3 (1859) 17; Miq. Fl. Ind. Bat. 3 (1859) 640; Kranzl. in Engl. Pflanzenreich 45 (1910) 161.

Borneo, *Lobb*. Endemic.

8. **Dendrobium babiense** J. J. Sm. in Winkler in Engl. Bot. Jahrb. 48 (1912) 98.

Dutch Borneo, *Winkler 2804*. Endemic.

9. **Dendrobium bicornutum** Schltr. in Bull. Herb. Boiss. II 6 (1906) 454; J. J. Sm. in Winkler in Engl. Bot. Jahrb. 48 (1912) 99.

Sarawak, *Schlechter 13564*; Dutch Borneo, *Winkler 3087*. Endemic; Kranzlin reduces this to *D. lobatum* Miq.

10. **Dendrobium bicostatum** J. J. Sm. in Ic. Bogor. 3 (1906) 19, t. 209. *Desmotrichum bicostatum* Kranzl. in Engl. Pflanzenreich 45 (1910) 353. *Dendrobium mattangianum* Kranzl. in Engl. Pflanzenreich 45 (1910) 159, fide Schltr. in Fedde Repert. 9 (1911) 286; J. J. Sm. in Bull. Jard. Bot. Buitenz. 8 (1912) 56.

Sarawak, *Beccari 1346*; Dutch Borneo, *Nieuwenhuis, Van Romburgh*. Endemic.

11. **Dendrobium bifarium** Lindl. in Wall. Cat. (1828) No. 2002, nomen nudum; Hook. f. Fl. Brit. Ind. 5 (1890) 732; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 271.

Sarawak, *Haviland*. Malay Peninsula, Amboina.

12. **Dendrobium blumei** Lindl. Gen. Sp. Orch. Pl. (1830) 88 (as *D. blumii*).

Borneo, fide J. J. Smith. Java.

13. **Dendrobium borneense** Finet in Bull. Soc. Bot. France 50 (1903) 373, t. 11, f. 10-19; Kranzl. in Engl. Pflanzenreich 45 (1910) 288.

Sarawak, *Beccari 442*. Endemic.

14. **Dendrobium bostrychodes** Reichb. f. in Gard. Chron. II 14 (1880) 748; Kranzl. in Engl. Pflanzenreich 45 (1910) 94.

Borneo, *Low, Boxall*. Endemic.

15. **Dendrobium burbidgei** Reichb. f. in Gard. Chron. II 10 (1878) 300; Kranzl. in Engl. Pflanzenreich 45 (1910) 146.

Borneo (?), *Burbidge*. Known only from the original collection which was from the Sunda Islands, probably Borneo.

16. **Dendrobium bursigerum** Lindl. in Journ. Linn. Soc. Bot. 3 (1859) 17; Kranzl. in Engl. Pflanzenreich 45 (1910) 119, f. 10, G-O.

Sarawak, *Beccari 2210*. Philippines.

17. **Dendrobium callibotrys** Ridl. in Journ. Linn. Soc. Bot. 32 (1896) 258, Mater. Fl. Malay Penin. 1 (1897) 49.

Borneo, fide *Ridley* l.c. Singapore; this is reduced by Kranzlin to *Dendrobium bicameratum* Lindl. of India and Burma.

18. **Dendrobium cinnabarinum** Reichb. f. in Gard. Chron. II 14 (1880) 166; Kew Bull. Add. Series 4 (1900) 145; Kranzl. in Engl. Pflanzenreich 45 (1910) 237. *Dendrobium sanguineum* Rolfe in Gard. Chron. III 18 (1895) 292, fide Kranzlin.

Introduced into cultivation from Borneo. Endemic.

19. **Dendrobium connatum** Lindl. Gen. Sp. Orch. Pl. (1830) 89.

British North Borneo, *Haslam!*

20. **Dendrobium conostalix** Reichb. f. in Walp. Ann. 6 (1861) 292; Rendle in Journ. Bot. 39 (1901) 174.

Sarawak, *Hose 148! Motley*. Malay Peninsula to Java, Celebes, and New Guinea. (Reported from the Philippines on doubtful evidence).

21. **Dendrobium crabro** Ridl. in Journ. Str. Branch Roy. As. Soc. 50 (1908) 133.

Sarawak, *Hewitt*. Endemic.

22. **Dendrobium crenicristatum** Ridl. in Journ. Str. Branch Roy. As. Soc. 54 (1910) 48.

Sarawak, *Hewitt*. Endemic.

23. **Dendrobium criniferum** Lindl. in Bot. Reg. 30 (1844) Misc. 41. *Desmotrichum criniferum* Kranzl. in Engl. Pflanzenreich 45 (1910) 348, f. 34, F-H.

Sarawak, *Beccari 4007*. Java, New Guinea.

24. **Dendrobium crumenatum** Sw. in Schrad. Journ. Bot. 2 (1799) 237; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 270; Kranzl. in Engl. Pflanzenreich 45 (1910) 235; J. J. Sm. in Winkler in Engl. Bot. Jahrb. 48 (1912) 98.

Sarawak, *Beccari*; Dutch Borneo, *Winkler 3453*. Tenasserim to the Philippines and Malaya.

25. **Dendrobium cumulatum** Lindl. in Gard. Chron. (1855) 756; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 271; Kranzl. in Engl. Pflanzenreich 45 (1910) 115.

Labuan, *Motley 223, 1013*. India to the Malay Peninsula and Java. Reported from the Philippines but on evidence that deserves searching scrutiny.

26. **Dendrobium curtisii** Reichb. f. in Gard. Chron. II 16 (1881) 102; Kew Bull. Add. Series 4 (1900) 145; Kranzl. in Engl. Pflanzenreich 45 (1910) 138.

Introduced into cultivations from Borneo. Endemic. *

27. **Dendrobium derryi** Ridl. Mater. Fl. Malay Penin. 1 (1907) 52; Kranzl. in Pflanzenreich 45 (1910) 188.

Borneo, fide *Ridley* l.c. Malay Peninsula.

28. ***Dendrobium distachyon*** Lindl. in Journ. Linn. Soc. Bot. 3 (1859) 13; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 271; Kranzl. in Engl. Pflanzenreich 45 (1910) 183 (as *D. distachyum*) *Dendrobium distichum* Miq. Fl. Ind. Bat. 3 (1859) 637.

Sarawak, *Beccari* 2075, 3556, *Lobb*. Natunas Islands.

29. ***Dendrobium elephantinum*** Finet in Bull. Soc. Bot. France 50 (1903) 373. t. 11, f. 20-31; Kranzl. in Engl. Pflanzenreich 45 (1910) 171.

Sarawak, *Beccari* 3656, *Chaper*. Endemic.

30. ***Dendrobium erythropogon*** Reichb. f. in Gard. Chron. II 24 (1885) 198; Kranzl. in Engl. Pflanzenreich 45 (1910) 88. Introduced into cultivation from Labuan. Endemic.

31. ***Dendrobium eulophotum*** Lindl. in Journ. Linn. Soc. Bot. 3 (1859) 5; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 268.

Sarawak, *Hose*. Endemic. Tenasserim and the Malay Peninsula.

32. ***Dendrobium flabellum*** Reichb. f. in Bonpl. 5 (1857) 56 and Xen. Orch. 2 (1865) 75, t. 118; Ridl. Mater. Fl. Malay Penin. 1 (1907) 36.

Dutch Borneo, ex herb. Lugd.-Bat.!; Borneo, fide *Ridley* l.c. and *J. J. Smith*. India to Malaya; reduced by Kranzlin in Engl. Pflanzenreich 45 (1910) 356 to *Desmotrichum fimbriatum* Blume.

Var. **validum** J. J. Sm. in Bull. Dept. Agr. Ind. Neerl. 45 (1911) 17.

Dutch Borneo.

33. ***Dendrobium fugax*** Schltr. in Bull. Herb. Boiss. II 6 (1906) 455; J. J. Sm. in Journ. Str. Branch Roy. As. Soc. 63 (1912) 64.

Sarawak, *Moulton*. Kranzlin reduces this to *Dendrobium blumei* Lindl. of Java.

34. ***Dendrobium gemellum*** Lindl. Gen. Sp. Orch. Pl. (1830) 81; Rendle in Journ. Bot. 39 (1901) 174; Ridl. Mater. Fl. Malay Penin. 1 (1907) 44.

Sarawak, *Hose* 54, 511! det. Rendle. Siam, Malay Peninsula, Java, Sumatra.

35. ***Dendrobium gracile*** (Blume) Lindl. Gen. Sp. Orch. Pl. (1830) 81; Kranzl. in Engl. Pflanzenreich 45 (1910) 230. *Dendrobium setifolium* Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 270.

Sarawak, *Beccari*; Dutch Borneo, *Motley* 629, 1058. Malay Peninsula, Sumatra, Java.

36. **Dendrobium gramineum** Ridl. in Journ. Str. Branch Roy. As. Soc. 50 (1908) 132.

Sarawak, *Ridley, Hewitt*. Endemic.

37. **Dendrobium grande** Hook. f. Fl. Brit. Ind. 5 (1890) 724; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 268; Kranzl. Pflanzenreich 45 (1910) 216.

Sarawak, *Beccari 447, Haviland*. Malay Peninsula, Andaman Islands.

38. **Dendrobium grootingsii** J. J. Sm. in Bull. Jard. Bot. Buitenz. 25 (1917) 35.

Dutch Borneo, *Grootings*, Cult. Hort. Bogor., *Amdjah 251, 293m., 265*. Endemic.

39. **Dendrobium hallieri** J. J. Sm. in Bull. Jard. Bot. Buitenz. 8 (1912) 40.

Dutch Borneo, *Hallier 2313*. Endemic.

40. **Dendrobium helvelum** J. J. Sm. in Winkler in Engl. Bot. Jahrb. 48 (1912) 99.

Dutch Borneo, *Winkler 2518, 3084*. Endemic.

41. **Dendrobium hepaticum** J. J. Sm. in Bull. Jard. Bot. Buitenz. 25 (1917) 48.

Borneo, *Hallier*. Cult. in Hort. Bogor. no. 445a. Endemic.

42. **Dendrobium hosei** Ridl. in Trans. Linn. Soc. Bot. 3 (1893) 363 and in Journ. Linn. Soc. Bot. 31 (1896) 271; Kranzl. in Engl. Pflanzenreich 45 (1910) 181.

Sarawak, *Hose*. Malay Peninsula.

43. **Dendrobium inconspiciflorum** J. J. Sm. in Bull. Jard. Bot. Buitenz. 25 (1917) 42.

Dutch Borneo, *Amdjah*, Cult. Hort. Bogor. no. 68. Endemic.

44. **Dendrobium indivisum** (Blume) Miq. Fl. Ind. Bat. 3 (1859) 630. *Aporum indivisum* Blume Bijdr. (1825) 334, Tabell. f. 39; Lindl. Gen. Sp. Orch. Pl. (1850) 70.

Borneo? fide *J. J. Smith*. Java.

45. **Dendrobium junceum** Lindl. in Bot. Reg. 28 (1842) Misc. 9; Kranzl. in Engl. Pflanzenreich 45 (1910) 240.

Sarawak, *Beccari 1372*. Malay Peninsula.

46. **Dendrobium kenepaiense** J. J. Sm. in Bull. Jard. Bot. Buitenz. 25 (1917) 46.

Dutch Borneo, *Hallier 2451*. Endemic.

47. **Dendrobium korthalsii** J. J. Sm. in Bull. Jard. Bot. Buitenz. 25 (1917) 40.

Dutch Borneo, *Korthals, Rutten 486*. Endemic.

48. **Dendrobium kunstleri** Hook. f. *Fl. Brit. Ind.* 5 (1890) 714; *Ridl. in Journ. Linn. Soc. Bot.* 31 (1896) 268. *Desmotrichum kunstleri* Kranzl. in *Engl. Pflanzenreich* 45 (1910) 356.

Sarawak, *Haviland*. Malay Peninsula.

49. **Dendrobium lamellatum** (Blume) Lindl. *Gen. Sp. Orch. Pl.* (1830) 89; Kranzl. in *Engl. Pflanzenreich* 45 (1910) 269.

Sarawak, *Beccari*; Dutch Borneo, *Motley 544*. Tenasserim, Malay Peninsula and Java.

50. **Dendrobium lawiense** J. J. Sm. in *Bull. Jard. Bot. Buitenz.* 3 (1912) 60 and in *Journ. Str. Branch Roy. As. Soc.* 63 (1912) 68.

Sarawak, *Moulton 8, 9*. Endemic.

51. **Dendrobium leonis** Reichb. f. in *Walp. Ann.* 6 (1861) 280; *Ridl. in Journ. Linn. Soc. Bot.* 31 (1896) 268.

Sarawak, *Haviland*. Cochinchina, Malay Peninsula.

52. **Dendrobium lilacinum** Reichb. f. in *Gard. Chron.* (1865) 674, *Xen. Orch.* 2 (1868) 131, *t. 146, f. 8-11*; Kranzl. in *Engl. Pflanzenreich* 45 (1910) 119.

Borneo, *Low*. Endemic.

53. **Dendrobium lobatum** (Blume) Miq. *Fl. Ind. Bat.* 3 (1859) 631; Kranzl. in *Engl. Pflanzenreich* 45 (1910) 218. *Aporum lobatum* Blume *Bijdr.* (1825) 334; Lindl. *Gen. Sp. Orch. Pl.* (1830) 71.

Borneo, fide *Kranzlin l.c.* Java, Malay Peninsula.

54. **Dendrobium lobbii** Lindl. in *Journ. Linn. Soc. Bot.* 3 (1859) 3; Miq. *Fl. Ind. Bat.* 3 (1859) 630; Kranzl. in *Engl. Pflanzenreich* 45 (1910) 210.

Labuan, *Lobb*; British North Borneo, *Clemens 284!* Endemic.

55. **Dendrobium lobulatum** Rolfe and J. J. Sm. in *Fl. Buitenz.* 6 (1905) *Orch.* 336; Kranzl. in *Engl. Pflanzenreich* 45 (1910) 211.

Borneo, fide *Kranzlin l.c.* Java.

56. **Dendrobium longicolle** Lindl. in *Bot. Reg.* 26 (1840) *Misc.* 74. *Diplocaulobium longicolle* Kranzl. in *Engl. Pflanzenreich* 45 (1910) 340.

Sarawak, *Hose*. Malay Peninsula, New Guinea.

57. **Dendrobium lowii** Lindl. in *Gard. Chron.* (1861) 1046; Hook. f. in *Curtis's Bot. Mag.* III 18 (1862) *t. 5303*; Batem. *Second Cent. Orch. Pl.* (1867) *t. 189*; *Ridl. in Journ. Linn. Soc.*

Bot. 31 (1896) 268; Kranzl. in Engl. Pflanzenreich 45 (1910) 88.

Borneo, *Low*, *Motley* 201? Endemic.

58. **Dendrobium lucens** Reichb. f. in Bot. Zeit. 21 (1863) 128, Xen. Orch. 2 (1868) 132, t. 146, f. 12, 13; Kranzl. in Engl. Pflanzenreich 45 (1910) 121.

Borneo, *Low*. Endemic.

49. **Dendrobium lycopodioides** Lindl. in Journ. Linn. Soc. Bot. 3 (1859) 13; Miq. Fl. Ind. Bat. 3 (1859) 637; Kranzl. in Engl. Pflanzenreich 45 (1910) 199.

Sarawak, *Lobb*. Endemic.

60. **Dendrobium microglaphys** Reichb. f. in Gard. Chron. (1868) 1014; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 268; Kranzl. in Engl. Pflanzenreich 45 (1910) 77.

Borneo, *Low*. Endemic.

61. **Dendrobium modestissimum** Kranzl. in Engl. Pflanzenreich 45 (1910) 206.

Sarawak, *Beccari* 446. Endemic.

62. **Dendrobium multicostatum** J. J. Sm. in Bull. Dept. Agr. Ind. Neerl. 5 (1907) 11; Kranzl. in Engl. Pflanzenreich 45 (1910) 175.

Dutch Borneo, *Nieuwenhuis*. Endemic.

63. **Dendrobium moquetteanum** J. J. Sm. in Bull. Jard. Bot. Buitenz. 25 (1917) 50.

Borneo, *Moquette*, Cult. Hort. Bogor. Endemic.

64. **Dendrobium nieuwenhuisii** J. J. Sm. in Ic. Bogor. 3 (1906) 25, t. 211, Kranzl. in Engl. Pflanzenreich 45 (1910) 118.

Dutch Borneo, *Nieuwenhuis*. Endemic.

65. **Dendrobium nycteridoglossum** Reichb. f. in Gard. Chron. II 26 (1866) 616; Kranzl. in Engl. Pflanzenreich 45 (1910) 207.

Labuan, *Schlechter*. Endemic.

66. **Dendrobium olivaceum** J. J. Sm. in Bull. Jard. Bot. Buitenz. 8 (1912) 41.

Dutch Borneo, *Hallier*. Endemic.

67. **Dendrobium orbiculare** J. J. Sm. in Bull. Jard. Bot. Buitenz. 13 (1914) 23.

Dutch Borneo, *Hallier* 551. Endemic.

68. **Dendrobium osmophytopsis** Kranzl. in Engl. Pflanzenreich 45 (1910) 172.

Sarawak, *Beccari* 1686. Endemic.

69. **Dendrobium ovatifolium** Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 271; Kranzl. in Engl. Pflanzenreich 45 (1910) 164.

Sarawak, *Hose*. Endemic.

70. **Dendrobium ovipositoriferum** J. J. Sm. in Winkler in Engl. Bot. Jahrb. 48 (1912) 100.

Dutch Borneo, *Winkler* 3062. Endemic.

71. **Dendrobium pachyanthum** Schltr. in Fedde Repert. 9 (1911) 290.

Sarawak, *Schlechter* 15852. Endemic.

72. **Dendrobium parthenium** Reichb. f. in Gard. Chron. II 24 (1885) 489; Kew Bull. Add. Series 4 (1900) 151; Kranzl. in Engl. Pflanzenreich 45 (1910) 93.

Borneo, *Low*. Endemic.

73. **Dendrobium pictum** Lindl. in Gard. Chron. (1862) 548; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 272; Kranzl. in Engl. Pflanzenreich 45 (1910) 114.

Borneo, *Low*. Endemic.

74. **Dendrobium pinifolium** Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 269; Kranzl. in Engl. Pflanzenreich 45 (1910) 161.

British North Borneo, *Pryer*. Malay Peninsula.

75. **Dendrobium pogoniaties** Reichb. f. in Gard. Chron. II 26 (1886) 199; Kew Bull. Add. Series 4 (1900) 151; Kranzl. in Engl. Pflanzenreich 45 (1910) 57.

Introduced into cultivation from Borneo. Endemic.

76. **Dendrobium platyphyllum** Schltr. in Bull. Herb. Boiss. II 6 (1906) 457.

Labuan, *Schlechter*. Endemic.

77. **Dendrobium pseudo-dichaea** Kranzl. in Engl. Pflanzenreich 45 (1910) 171.

Sarawak, *Beccari* 659. Endemic.

78. **Dendrobium pumilum** Roxb. Fl. Ind. ed. 2, 3 (1832) 479; Ridl. in Journ. Linn. Soc. Bot. 32 (1896) 234; Kranzl. in Engl. Pflanzenreich 45 (1910) 287.

Sarawak, *Beccari* 442. Burma, Malay Peninsula, Rhio.

79. **Dendrobium pusillum** (Blume) Lindl. Gen. Sp. Orch. Pl. (1830) 77; Kranzl. in Engl. Pflanzenreich 45 (1910) 288.

Borneo, fide *Kranzlin*. Sumatra, Rhio, Java.

80. **Dendrobium quadrangulare** Par. and Reichb. f. in Flora 69 (1886) 553; Ridl. Mater. Fl. Malay Penin. 1 (1907) 35.

Borneo, fide *Ridley*. Burma, Malay Peninsula.

81. **Dendrobium quadrisulcatum** J. J. Sm. in Bull. Jard. Bot. Buitenz. 25 (1917) 49.

Dutch Borneo, *Hallier* 563, 2450, 3425. Endemic.

82. **Dendrobium radicans** Reichb. f. Xen. Orch. 2 (1868) 130, t. 146, f. 1-3; Kranzl. in Engl. Pflanzenreich 45 (1910) 87.

Borneo, *Low*. Endemic.

83. **Dendrobium radicosum** Ridl. in Journ. Str. Branch Roy. As. Soc. 49 (1908) 29.

Sarawak, *Hewitt*. Endemic.

84. **Dendrobium reticulatum** J. J. Sm. in Bull. Jard. Bot. Buitenz. 13 (1914) 18.

British North Borneo, foot of Kinabalu, *Dumas*. Endemic.

85. **Dendrobium ridleyi** nom. nov. *Dendrobium intermedium* Ridl. in Journ. Str. Branch Roy. As. Soc. 50 (1908) 135, non Teysm. and Binn.

Sarawak, *Hewitt*. Endemic.

86. **Dendrobium rosellum** Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 268; Kranzl. in Engl. Pflanzenreich 45 (1910) 206.

Sarawak, *Haviland*. Endemic.

87. **Dendrobium sambasanum** J. J. Sm. in Bull. Dept. Agr. Neerl. Ind. 22 (1909) 25.

Dutch Borneo, *Hallier* 1146. Endemic.

88. **Dendrobium sanderianum** Rolfe in Kew Bull. (1894) 155; Kew Bull. Add. Series 4 (1900) 152; Kranzl. in Engl. Pflanzenreich 45 (1910) 257.

Introduced into cultivation from Borneo. Endemic.

89. **Dendrobium sanguinolentum** Lindl. in Bot. Reg. 28 (1842) Misc. 62; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 272.

Dutch Borneo, fide *Ridley*. Malay Peninsula, Penang.

90. **Dendrobium sarawakense** nom. nov. *Dendrobium multiflorum* Ridl. in Journ. Str. Branch Roy. As. Soc. 50 (1908) 134, non Par. and Reichb. f.

Sarawak, *Ridley*. Endemic.

91. **Dendrobium scabrilingue** Lindl. in Journ. Linn. Soc. Bot. 3 (1859) 15; Miq. Fl. Ind. Bat. 3 (1859) 639.

Borneo, *Lobb*. It is not certain that Lobb's specimen was from Borneo; it may have been from the Malay Peninsula. Moulmein, Tenasserim, Malay Peninsula.

92. ***Dendrobium sculptum*** Reichb. f. in Bot. Zeit. 21 (1863) 128, Xen. Orch. 2 (1868) 131, t. 146; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 267; Kranzl. in Engl. Pflanzenreich 45 (1910) 87.

Borneo, *Low*. Endemic.

93. ***Dendrobium secundum*** (Blume) Lindl. in Wall. Cat. (1828) No. 1996, *nomen nudum*, Gen. Sp. Orch. Pl. (1830) 81; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 271; Kranzl. in Engl. Pflanzenreich 45 (1910) 98.

Sarawak, *Haviland*. Tenasserim and Cochinchina to Java and Sumatra.

94. ***Dendrobium sinuatum*** Lindl. ex Reichb. f. in Walp. Ann. 6 (1861) 280; Ridl. Mater. Fl. Malay Penin. 1 (1907) 40. *Laporum sinuatum* Lindl. in Bot. Reg. 27 (1841) Misc. 1.

Borneo, fide *Ridley*. Malay Peninsula.

95. ***Dendrobium spathipetalum*** J. J. Sm. in Bull. Jard. Bot. Buitenz. 13 (1914) 20.

Southeast Borneo, *van Nouhuys* 9. Endemic.

96. ***Dendrobium speciosissimum*** Rolfe in Orch. Rev. 3 (1895) 119, 240; Kew Bull. Add. Series 4 (1900) 153; Kranzl. in Engl. Pflanzenreich 45 (1910) 298.

Introduced into cultivation from Borneo. Endemic.

97. ***Dendrobium spectatissimum*** Reichb. f. in Linnaea 41 (1877) 41; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 268; Kranzl. in Engl. Pflanzenreich 45 (1910) 90.

Borneo, *Lobb*. Endemic.

98. ***Dendrobium speculum*** J. J. Sm. in Bull. Dept. Agr. Ind. Neerl. 5 (1907) 34 and Ic. Bogor. 3 (1907) 99, t. 241.

Dutch Borneo, *Nieuwenhuis*. Endemic.

99. ***Dendrobium spurium*** (Blume) J. J. Sm. in Fl. Buitenz. 6 (1905) Orch. 343; Kranzl. in Engl. Pflanzenreich 45 (1910) 264. *Dendrocolla spuria* Blume Bijdr. (1825) 290. *Dendrobium euphlebiium* Reichb. f. ex Lindl. in Journ. Linn. Soc. Bot. 3 (1859) 7.

Sarawak, *Haviland*. Malay Peninsula, Java, Philippines.

100. ***Dendrobium squarrosus*** J. J. Sm. in Bull. Jard. Bot. Buitenz. 13 (1914) 22.

Dutch Borneo, *Amdjah*. Endemic.

101. **Dendrobium subulatum** (Blume) Lindl. Gen. Sp. Orch. Pl. (1830) 91; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 268. *Onychium subulatum* Blume Bijdr. (1825) 328.
Sarawak, *Haviland*. Malay Peninsula, Java.
102. **Dendrobium subulatoides** Schltr. in Fedde Repert. 9 (1911) 290.
Sarawak, *Beccari* 439, 3657, *Hewitt*. Endemic.
103. **Dendrobium sulphuratum** Ridl. in Journ. Str. Branch Roy. As. Soc. 49 (1908) 28.
Sarawak, *Hewitt*. Endemic.
104. **Dendrobium tenue** J. J. Sm. in Bull. Jard. Bot. Buitenz. 25 (1917) 31.
Dutch Borneo, *Nieuwenhuis*, *Korthals*. Endemic.
105. **Dendrobium tetrachromum** Reichb. f. in Gard. Chron. II 13 (1880) 712; Kew Bull. Add. Series 4 (1900) 154; Kranzl. in Engl. Pflanzenreich 45 (1910) 47.
Introduced into cultivation from Borneo. Endemic.
106. **Dendrobium tetralobum** Schltr. in Bull. Herb. Boiss. II 6 (1906) 458; Kranzl. in Engl. Pflanzenreich 45 (1910) 208.
Dutch Borneo, *Schlechter* 13329. Endemic.
107. **Dendrobium tmesipteris** Lindl. in Journ. Linn. Soc. Bot. 3 (1859) 13; Miq. Fl. Ind. Bat. 3 (1859) 637; Kranzl. in Engl. Pflanzenreich 45 (1910) 199.
Sarawak, *Lobb*. Endemic.
108. **Dendrobium torquisepalum** Kranzl. in Engl. Pflanzenreich 45 (1910) 187.
Sarawak, *Beccari* 1872. Endemic.
109. **Dendrobium truncatum** Lindl. in Journ. Linn. Soc. Bot. 3 (1859) 15; Kranzl. in Engl. Pflanzenreich 45 (1910) 232.
Borneo, *Motley* 548. Malay Peninsula, Java.
110. **Dendrobium tuberiferum** Hook. f. Fl. Brit. Ind. 5 (1890) 728; Ridl. Mater. Fl. Malay Penin. 1 (1907) 48.
Borneo, fide *Ridley*. Malay Peninsula.
111. **Dendrobium uniflorum** Griff. Notul. 3 (1851) 305; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 271.
Sarawak, *Haviland*, *Foxworthy* 141! Malay Peninsula, Philippines.
112. **Dendrobium villosulum** Wall. Cat. (1828) No. 2006 *nomen nudum*; Hook. f. Fl. Brit. Ind. 5 (1890) 728; Ridl. in

Journ. Linn. Soc. Bot. 31 (1896) 269; Rolfe in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 148.

British North Borneo, *Haviland, Creagh*. Malay Peninsula.

113. **Dendrobium xanthoacron** Schltr. in Bull. Herb. Boiss. II 6 (1906) 459.

Borneo, *Schlechter 13332*. Endemic, unless Kranzlin is correct in his reduction of this to *D. prostratum* Ridl. of the Malay Peninsula and Sumatra.

114. **Dendrobium xiphophyllum** Schltr. in Fedde Repert. 9 (1911) 291.

Sarawak, *Beccari 2049, Brooks*. Endemic.

1. **Sarcopodium beccarianum** Kranzl. in Engl. Pflanzenreich 45 (1910) 322, f. 30.

Sarawak, *Beccari 3655*. Endemic.

2. **Sarcopodium interruptum** (J. J. Sm.) comb. nov. *Dendrobium interruptum* J. J. Sm. in Bull. Dept. Agr. Ind. Neerl. 45 (1911) 18. *Dendrobium verruciferum* J. J. Sm. in Bull. Dept. Agr. Ind. Neerl. 15 (1908) 12, non Reichb. f. *Sarcopodium verruciferum* Kranzl. in Engl. Pflanzenreich 45 (1910) 364; Rolfe in Orch. Rev. 18 (1910) 239.

Dutch Borneo, *Moquette*. Endemic.

3. **Sarcopodium kinabaluense** (Ridl.) Kranzl. in Engl. Pflanzenreich 45 (1910) 228; Rolfe in Orch. Rev. 18 (1910) 239. *Dendrobium kinabaluense* Ridl. in Stapf in Trans. Linn. Soc. Bot. 4 (1894) 234 and in Journ. Linn. Soc. Bot. 31 (1896) 267.

British North Borneo, *Haviland. J. Clemens 197! 249! 367!* Endemic.

4. **Sarcopodium labuanum** (Lindl.) Kranzl. in Engl. Pflanzenreich 45 (1910) 321; Rolfe in Orch. Rev. 18 (1910) 239. *Dendrobium labuanum* Lindl. in Journ. Linn. Soc. Bot. 3 (1859) 6; Miq. Fl. Bat. 3 (1859) 631; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 267.

Labuan, *Lobb*. Endemic.

5. **Sarcopodium suberectum** Ridl. in Kew Bull. (1914) 211.

Sarawak, *Anderson 172*. Endemic.

6. **Sarcopodium treacherianum** (Reichb. f.) Kranzl. in Engl. Pflanzenreich 45 (1910) 324; Rolfe in Orch. Rev. 18 (1910) 239. *Dendrobium treacherianum* Reichb. f. ex Hook. f. in Curtis's Bot. Mag. III 37 (1881) t. 6591; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 267; Kew Bull. Add. Series 4 (1900) 154.

Borneo, *Low*. Endemic.

7. *Sarcopodium zebrinum* (J. J. Sm.) Kranzl. in Engl. Pflanzenreich 45 (1910) 324. *Dendrobium zebrinum* J. J. Sm. Ic. Bogor. 2 (1903) 72, t. 113c.

Dutch Borneo, *Hallier*. Endemic.

1. *Eria angustifolia* Ridl. in Stapf in Trans. Linn. Soc. Bot. 4 (1894) 237 and in Journ. Linn. Soc. Bot. 31 (1896) 281; Kranzl. in Engl. Pflanzenreich 50 (1911) 122.

British North Borneo, *Haviland*. Endemic.

2. *Eria aurantia* J. J. Sm. in Bull. Jard. Bot. Buitenz. 3 (1912) 62. *Eria aurantiaca* J. J. Sm. in Bull. Dept. Agr. Ind. Neerl. 45 (1911) 19, non Ridl. *Trichotosia aurantiaca* Kranzl. in Engl. Pflanzenreich 50 (1911) 173.

Dutch Borneo, *Nieuwenhuis* 2148. Endemic.

3. *Eria aurantiaca* Ridl. in Journ. Str. Branch Roy. As. Soc. 54 (1910).

Sarawak, *Haviland, Moulton*. Endemic.

4. *Eria aurea* Ridl. in Journ. Str. Branch Roy. As. Soc. 49 (1908) 31.

Sarawak, *Hewitt*. Endemic.

5. *Eria berringtonia* Reichb. f. in Gard. Chron. (1872) 666; Kranzl. in Engl. Pflanzenreich 50 (1911) 56 (as *E. berringtoniana*).

Borneo. Endemic.

6. *Eria bifalcis* Lindl. in Journ. Linn. Soc. Bot. 3 (1859) 56; Miq. Fl. Ind. Bat. 3 (1859) 664; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 280; Kranzl. in Engl. Pflanzenreich 50 (1911) 123.

Borneo, *Lobb*. Endemic.

7. *Eria biglandulosa* J. J. Sm. in Bull. Jard. Bot. Buitenz. 13 (1914) 25.

Southeast Borneo, *van Nouhuys* 20. Endemic.

8. *Eria borneensis* Rolfe in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 150.

British North Borneo, *Gibbs* 3955. Endemic.

9. *Eria bractescens* Lindl. in Bot. Reg. 27 (1841) Misc. 18 and 30 (1844) t. 29; Ridl. Mater. Fl. Malay Penin. 1 (1907) 101.

Borneo, fide *Ridley*. India to the Philippines and the Moluccas.

10. *Eria brooksii* Ridl. in Journ. Str. Branch Roy. As. Soc. 50 (1908) 136.

Sarawak, *Brooks*. Endemic.

11. *Eria canaliculata* Blume Mus. Bot. Lugd.-Bat. 2 (1856) 184; Miq. Fl. Ind. Bat. 3 (1859) 658. *Trichotosia canaliculata* Kranzl. in Engl. Pflanzenreich 50 (1911) 155.

Dutch Borneo, *Korthals*; Sarawak, *Beccari 3479*. Celebes.

12. *Eria carnea* J. J. Sm. in Bull. Dept. Agr. Ind. Neerl. 5 (1907) 12. *Trichotosia carnea* Kranzl. in Engl. Pflanzenreich 50 (1911) 153.

Dutch Borneo, *Hallier*. Endemic.

13. *Eria cepifolia* Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 282 and 32 (1896) 291; Kranzl. in Engl. Pflanzenreich 50 (1911) 77.

Sarawak, *Hose*. Malay Peninsula.

14. *Eria conifera* J. J. Sm. in Bull. Dept. Agr. Neerl. Ind. 22 (1909) 27.

Borneo, *Nieuwenhuis*. Endemic.

15. *Eria convallariopsis* Kranzl. in Engl. Bot. Jahrb. 44 (1910) Beibl. 101; 28 and in Engl. Pflanzenreich 50 (1911) 110.

Sarawak, *Beccari 3939*. Endemic.

16. *Eria crucigera* Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 280; Kranzl. in Engl. Pflanzenreich 50 (1911) 126.

Sarawak, *Haviland*. Endemic.

17. *Eria curtisii* Reichb. f. in Gard. Chron. II 14 (1880) 685 and Xen. Orch. 3 (1883) 59; t. 228, f. 1-7; Kew Bull. Add. Series 4 (1900) 176; Kranzl. in Engl. Pflanzenreich 50 (1911) 61.

Borneo, *Curtis*. Endemic.

18. *Eria cymbidifolia* Ridl. in Journ. Bot. 36 (1898) 212; Kranzl. in Engl. Pflanzenreich 50 (1911) 122; J. J. Sm. in Journ. Str. Branch Roy. As. Soc. 63 (1912) 64; Rolfe in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 149. *Eria cymbidifolia* Ridl. in Sarawak Mus. Journ. 1 (1912) 212 n. sp.

Sarawak, *Moulton*; British North Borneo, *Gibbs 4009*, *J. Clemens 77! 85!* Sumatra.

19. *Eria dajakorum* (Kranzl.) comb. nov. *Trichotosia dajakorum* Kranzl. in Engl. Bot. Jahrb. 44 (1910) Beibl. 101: 22, Engl. Pflanzenreich 50 (1911) 138.

Dutch Borneo, *Teysmann 10894*. Endemic.

20. *Eria densa* Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 281.

Sarawak, *Haviland*. Malay Peninsula; this is reduced by Kranzlin to *Eria floribunda* Lindl.

21. *Eria elongata* Blume Mus. Bot. Lugd.-Bat. 2 (1856) 183; Miq. Fl. Ind. Bat. 3 (1859) 657. *Trichotosia elongata* Kranzl. in Engl. Pflanzenreich 50 (1911) 150.

Borneo, fide Blume l.c. *Amdjah* 818! Sumatra, Celebes.

22. *Eria eurostachys* Ridl. in Journ. Str. Branch Roy. As. Soc. 50 (1908) 136.

Sarawak, *Hewitt*. Endemic.

23. *Eria ferox* Blume Mus. Bot. Lugd.-Bat. 2 (1856) 184; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 284 and in Stapf in Trans. Linn. Soc. Bot. 4 (1894) 238; Rolfe in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 152. *Trichotosia ferox* Blume Bijdr. (1825) 342; Kranzl. in Engl. Pflanzenreich 50 (1911) 151.

British North Borneo, *Haviland*, *Gibbs* 4279. Endemic.

24. *Eria floribunda* Lindl. in Bot. Reg. 29 (1843) Misc. 43 and 30 (1844) t. 20; J. J. Sm. in Winkler in Engl. Bot. Jahrb. 48 (1912) 101; Ridl. Mater. Fl. Malay Penin. 1 (1907) 96. *Eria floribunda* Lindl. var. *leucostachya* Lindl. in Paxt. Fl. Gard. 3 (1853) 116, f. 288.

Borneo, fide *Lindley* and *Ridley*; Dutch Borneo, *Winkler* 3085; British North Borneo, *Haslam*! Tenasserim to the Malay Peninsula and ? Java, Philippines.

25. *Eria fusca* Blume Mus. Bot. Lugd.-Bat. 2 (1856) 183. *Trichotosia fusca* Teysm. and Binn. in Nat. Tijdschr. Nederl. Ind. 5 (1853) 492; Kranzl. in Engl. Pflanzenreich 50 (1911) 145.

Sarawak, *Beccari* 56. Java, Philippines.

26. *Eria gibbsiae* Rolfe in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 151.

British North Borneo, *Gibbs* 3960. Endemic.

27. *Eria grandis* Ridl. in Stapf in Trans. Linn. Soc. Bot. 4 (1894) 237 and in Journ. Linn. Soc. Bot. 31 (1896) 281; Rolfe in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 149; Kranzl. in Engl. Pflanzenreich 50 (1911) 37.

British North Borneo, *Haviland* 1157. *J. Clemens* 112! Endemic.

28. *Eria hallieri* J. J. Sm. in Ic. Bogor. 3 (1906) 35, t. 214. *Trichotosia hallieri* Kranzl. in Engl. Pflanzenreich 50 (1911) 160.

Dutch Borneo, *Hallier*. Endemic.

29. *Eria hispidissima* Ridl. in Journ. Bot. 36 (1898) 213. *Trichotosia hispidissima* Kranzl. in Engl. Pflanzenreich 50 (1911) 136.

Sarawak, *Goodenough*. Endemic.

30. *Eria hosei* Rendle in Journ. Bot. 39 (1901) 174; Kranzl. in Engl. Pflanzenreich 50 (1911) 107.

Sarawak, *Hose 476!* Endemic.

31. *Eria hyacinthoides* (Blume) Lindl. Gen. Sp. Orch. Pl. (1830) 66; Kranzl. in Engl. Pflanzenreich 50 (1911) 68. *Dendrobium hyacinthoides* Blume Bijdr. (1825) 346. *Eria endymion* Ridl. in Journ. Linn. Soc. Bot. 32 (1896) 295 and Mater. Fl. Malay Penin. 1 (1907) 101.

Borneo, fide *Ridley*. *Beccari 1867*. Malay Peninsula, Java.

32. *Eria ignea* Reichb. f. in Gard. Chron. II 15 (1881) 782; Kew Bull. Add. Series 4 (1900) 176; Kranzl. in Engl. Pflanzenreich 50 (1911) 83. *Eria cinnabarina* Rolfe in Kew Bull. (1894) 183, Kew Bull. Add. Series 4 (1900) 175, fide *Kranzlin*.

Introduced into cultivation from Borneo. Endemic.

33. *Eria javanica* (Sw.) Blume Rumphia 2 (1836) 23; Kranzl. in Engl. Pflanzenreich 50 (1911) 26. *Eria rugosa* Lindl. Gen. Sp. Orch. Pl. (1830) 66. *Dendrobium javanicum* Swartz. in Act. Holm. (1800) 247. *Eria stellata* Lindl. in Bot. Reg. 11 (1825) t. 904; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 285 and Mater. Fl. Malay Penin. 1 (1907) 98.

Borneo, fide *Kranzlin* l.c.; Sarawak, *Haviland*. Malay Peninsula to the Moluccas and Philippines.

34. *Eria kinabaluensis* Rolfe in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 151.

British North Borneo, *Gibbs 4227, 4202*. Endemic.

35. *Eria latibracteata* Rolfe in Kew Bull. (1898) 194; Hook. f. in Curtis's Bot. Mag. III 54 (1898) t. 7605; Kranzl. in Engl. Pflanzenreich 50 (1911) 84.

Introduced into cultivation from Borneo. Endemic.

36. *Eria lawiensis* J. J. Sm. in Journ. Str. Branch Roy. As. Soc. 63 (1912) 68 and in Bull. Jard. Bot. Buitenz. 3 (1912) 62.

Sarawak, *Moulton 14*. Endemic.

37. *Eria leiophylla* Lindl. in Journ. Linn. Soc. Bot. 3 (1859) 57; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 285; Miq. Fl. Ind. Bat. 3 (1859) 659. *Trichotosia leiophylla* Kranzl. in Engl. Pflanzenreich 50 (1911) 142.

Borneo, *Lobb*. Malay Peninsula, Java.

38. *Eria leptocarpa* Hook. f. Fl. Brit. Ind. 5 (1890) 805; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 282. *Trichotosia leptocarpa* Kranzl. in Engl. Pflanzenreich 50 (1911) 161.

Sarawak, *Haviland*, *Amdjah 1092!* Malay Peninsula.

39. ***Eria linearifolia*** nom. nov. *Eria elongata* Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 284; Kranzl. in Engl. Pflanzenreich 50 (1911) 132, non Blume.

Sarawak, *Hose*. Endemic.

40. ***Eria longerepens*** Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 282; Kranzl. in Engl. Pflanzenreich 50 (1911) 75.

Sarawak, *Haviland 234, 2318*. Singapore.

41. ***Eria longispica*** Rolfe in Curtis's Bot. Mag. IV 3 (1907) t. 8171; Kranzl. in Engl. Pflanzenreich 50 (1911) 130, t. 27 A-D.

Introduced into cultivation from Borneo. Endemic.

42. ***Eria major*** Ridl. in Stapf in Trans. Linn. Soc. Bot. 4 (1894) 237 in Synon. Journ. Linn. Soc. Bot. 31 (1896) 280; Kranzl. in Engl. Pflanzenreich 50 (1911) 128. *Eria scortechinii* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 237, non Hook, f.

British North Borneo, *Haviland 1250*. Malay Peninsula, Philippines.

43. ***Eria megalopha*** Ridl. in Journ. Str. Branch Roy. As. Soc. 33 (1900) 23; Kranzl. in Engl. Pflanzenreich 50 (1911) 100.

Sarawak, *Shelford*. Endemic.

44. ***Eria melaleuca*** Ridl. in Sarawak Mus. Journ. 1 (1912) 33.

Sarawak, *Moulton*. Endemic.

45. ***Eria monophylla*** Schltr. in Bull. Herb. Boiss. II 6 (1906) 461; Kranzl. in Engl. Pflanzenreich 50 (1911) 43.

Dutch Borneo, *Schlechter 13458*. Endemic.

46. ***Eria moultonii*** Ridl. in Sarawak Mus. Journ. 1 (1912) 33.

Sarawak, *Moulton*. Endemic.

47. ***Eria neglecta*** Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 283, Mater. Fl. Malay Penin. 1 (1907) 103.

Sarawak, *Haviland*. Malay Peninsula, Penang, Lingga; this is reduced by Kranzlin to *E. nutans* Lindl.

48. ***Eria obliqua*** Lindl. in Journ. Linn. Soc. Bot. 3 (1859) 55; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 280. *Mycaranthes obliqua* Lindl. in Bot. Reg. 26 (1840) Misc. 77.

Sarawak, *Haviland*. Malay Peninsula.

49. ***Eria odoardi*** (Kranzl.) comb. nov. *Trichotosia odoardi* Kranzl. in Engl. Bot. Jahrb. 44 (1910) Beibl. 101: 21 and in Engl. Pflanzenreich 50 (1911) 136.

Sarawak, *Beccari* 1873. Endemic.

50. ***Eria oligantha*** Hook. f. Fl. Brit. Ind. 5 (1890) 807. *Trichotosia oligantha* Kranzl. in Engl. Pflanzenreich 50 (1911) 155.

Sarawak, *Beccari* 156. Burma, Penang, Malay Peninsula, Sumatra.

51. ***Eria ornata*** Lindl. Gen. Sp. Orch. Pl. (1830) 66; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 285; Kranzl. in Engl. Pflanzenreich 50 (1911) 50, f. 11, A-B.

Borneo, *Teysmann*. Sumatra, Java, Philippines.

52. ***Eria ovis*** J. J. Sm. in Bull. Jard. Bot. Buitenz. 3 (1912) 63 and in Journ. Str. Branch Roy. As. Soc. 63 (1912) 70. Sarawak, *Moulton* 6. Endemic.

53. ***Eria pachycephala*** Kranzl. in Engl. Bot. Jahrb. 44 (191) Beibl. 101: 26 and in Engl. Pflanzenreich 50 (1911) 57. Sarawak, *Beccari* 3597. Endemic.

54. ***Eria paniculata*** Lindl. in Wall. Pl. As. Rar. 1 (1830) 32, t. 36; Kranzl. in Engl. Pflanzenreich 50 (1911) 125.

Sarawak, *Beccari* 2448. Himalayan region to Java and Sumatra.

55. ***Eria pannea*** Lindl. in Bot. Reg. 28 (1842) Misc. 64; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 285; Kranzl. in Engl. Pflanzenreich 50 (1911) 48, f. 10, A-B; J. J. Sm. in Winkler in Engl. Bot. Jahrb. 48 (1912) 101.

Sarawak, *Hose*; Dutch Borneo, *Winkler* 2450. Himalayan region to southern China and the Malay Peninsula.

56. ***Eria pauciflora*** Blume Mus. Bot. Lugd.-Bat. 2 (1856) 183; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 284; Miq. Fl. Ind. Bat. 3 (1859) 658.

Dutch Borneo, *Korthals*. Java, Sumatra.

57. ***Eria pellipes*** Reichb. f. ex Hook. f. Fl. Brit. Ind. 5 (1890) 802; Kranzl. in Engl. Pflanzenreich 50 (1911) 45.

Sarawak, *Beccari* 483 (see also *E. teretifolia* Griff.). Malay Peninsula.

58. ***Eria pendula*** Ridl. in Journ. Str. Branch Roy. As. Soc. 39 (1903) 78. *Trichotosia pendula* Kranzl. in Engl. Pflanzenreich 50 (1911) 173.

Sarawak, *Kelsall*. Sumatra, Malay Peninsula.

59. ***Eria pilosissima*** Rolfe in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 252.

Sarawak, *Gibbs* 4117, Kinabalu, *J. Clemens* 290! Endemic

60. **Eria pulchella** Lindl. in Wall. Cat. 1832 No. 1832 No. 7407 nomen nudum; in Bot. Reg. 27 (1841) Misc. 52 and in Journ. Linn. Soc. Bot. 3 (1859) 51; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 285; Kranzl. in Engl. Pflanzenreich 50 (1911) 50.

Sarawak, *Haviland*. Malay Peninsula, Java.

61. **Eria rigida** Blume Mus. Bot. Lugd.-Bat. 2 (1856) 183; Miq. Fl. Ind. Bat. 3 (1859) 657. *Trichotosia rigida* Kranzl. in Engl. Pflanzenreich 50 (1911) 160.

Dutch Borneo, *Korthals*, *Muller*. Endemic.

62. **Eria rubiginosa** Blume Mus. Bot. Lugd.-Bat. 2 (1856) 184; Miq. Fl. Ind. Bat. 3 (1859) 659; Rolfe in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 152. *Trichotosia rubiginosa* Kranzl. in Engl. Pflanzenreich 50 (1911) 155.

Dutch Borneo, *Korthals*. Endemic.

63. **Eria sarrasinorum** Kranzl. in Engl. Bot. Jahrb. 44 (1910) Beibl. 101: 29; and in Engl. Pflanzenreich 50 (1911) 129, f. 11, *G-H*.

Sarawak, *Beccari* 2488. Celebes.

64. **Eria smithii** nom. nov. *Eria aurantiaca* J. J. Smith in Bull. Dept. Agri. Neerl. Ind. 45 (1911) 19. *Trichotosia aurantiaca* Kranzl. in Engl. Pflanzenreich 50 (1911) 173.

Dutch Borneo, *Nieuwenhuis*.

65. **Eria sonkaris** Reichb. f. in Bonpl. 5 (1857) 55; Rolfe in Orch. Rev. 22 (1914) 263.

Borneo, fide *Rolfe*; Dutch Borneo, *Ridley*. Sumbawa.

66. **Eria spathulata** J. J. Smith in Bull. Dept. Agri. Neerl. Ind. 22 (1909) 28.

Dutch Borneo, *Teysmann*. Endemic.

67. **Eria striolata** Reichb. f. in Gard. Chron. III 3 (1888) 554; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 285; Kranzl. in Engl. Pflanzenreich 50 (1911) 25.

Sarawak, *Ridley*. Malay Peninsula.

68. **Eria tenuiflora** Ridl. in Journ. Linn. Soc. Bot. 32 (1896) 291 and Mater. Fl. Malay Penin. 1 (1907) 97 and in Journ. Str. Branch Roy. As. Soc. 50 (1908) 136; Kranzl. in Engl. Pflanzenreich 50 (1911) 77.

Sarawak, *Ridley*. Malay Peninsula.

69. **Eria teretifolia** Griff. Not. 3 (1851) 298; Ridl. Mater. Fl. Malay Penin. 1 (1907) 100; Kranzl. in Engl. Pflanzenreich 50 (1911) 46, f. 8, *A-C*.

Sarawak, *Beccari* 483. (This number is also cited by Kranzlin op. cit. 46 under *Eria pellipes* Reichb. f.) Malay Peninsula.

70. *Eria teysmannii* J. J. Sm. in Bull. Dept. Agr. Ind. Neerl. 22 (1909) 29. *Trichotosia teysmannii* Kranzl. in Engl. Pflanzenreich 50 (1911) 145.

Dutch Borneo, *Teysmann, Hallier* 1134. Endemic.

71. *Eria triloba* Ridl. in Journ. Str. Branch Roy. As. Soc. 49 (1908) 31.

Sarawak, *Hewitt*. *Eria trilophota* Lindl. in Journ. Linn. Soc. Bot. 3 (1859) 54, *nomen nudum*, is credited to Borneo in Index Kewensis; it is doubtless *Eria obesa* Lindl. and not Bornean.

72. *Eria tuberosa* Hook. f. Fl. Brit. Ind. 5 (1890) 807; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 284. *Trichotosia tuberosa* Kranzl. in Engl. Pflanzenreich 50 (1911) 143.

Sarawak, *Haviland*. Malay Peninsula.

73. *Eria unguiculata* J. J. Sm. in Bull. Dept. Agr. Ind. Neerl. 22 (1909) 30. *Trichotosia unguiculata* Kranzl. in Engl. Pflanzenreich 50 (1911) 147.

Dutch Borneo, *Jaheri* 1653. Endemic.

74. *Eria velutina* Lodd. ex Lindl. in Bot. Reg. 26 (1840) Misc. 86; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 284; J. J. Sm. in Winkler in Engl. Bot. Jahrb. 48 (1912) 101. *Trichotosia velutina* Kranzl. in Engl. Pflanzenreich 50 (1911) 140.

Sarawak, *Haviland*; Dutch Borneo, *Winkler* 3086. Malay Peninsula.

75. *Eria versicolor* J. J. Sm. in Bull. Dept. Agr. Ind. Neerl. 22 (1909) 33; Kranzl. in Engl. Pflanzenreich 50 (1911) 85.

Borneo, from specimens cultivated at Buitenzorg, Java. Endemic.

76. *Eria verticillaris* Kranzl. in Engl. Bot. Jahrb. 44 (1910) Beibl. 101: 29 and in Engl. Pflanzenreich 50 (1911) 32, f. 4, A-F.

Sarawak, *Beccari* 2453. British North Borneo, *Haslam*! Endemic.

77. *Eria vestita* Lindl. in Bot. Reg. 30 (1844) Misc. 76; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 284. *Trichotosia vestita* Kranzl. in Engl. Pflanzenreich 50 (1911) 151.

Sarawak, *Haviland*. *Amdjah* 831! *Foxworthy* 308! Malay Peninsula.

79. *Eria villosissima* Rolfe in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 150.

British North Borneo, *Gibbs* 4090. Endemic.

1. **Ceratostylis** Kranzl. in Engl. Bot. Jahrb. 44 (1910) Beibl. 101; 20.
Sarawak, *Beccari 1341*. Endemic.
2. **Ceratostylis pendula** Hook. f. Fl. Brit. Ind. 5 (1890) 826 and Ic. IV 1 (1892) t. 2100.
Borneo, *Lobb*. Malay Peninsula and Celebes.
3. **Ceratostylis subulata** Bl. Bijdr. (1825) 306.
Borneo, fide *J. J. Smith*; British North Borneo, *J. Clemens 177!* Java, Sumatra.
4. **Ceratostylis tjihana** J. J. Sm. in Bull. Dept. Agr. Ind. Neerl. 45 (1911) 13.
Dutch Borneo, *Nieuwenhuis 1849*. Endemic.
1. **Agrostophyllum arundinaceum** Ridl. in Sarawak Mus. Journ. 1 (1912) 36.
Sarawak, *Brooks 5*. Endemic.
2. **Agrostophyllum callosum** J. J. Sm. Fl. Buitenz. 6 (1905) Orch. 286.
Sarawak, *Haviland 2334, 3145, Moulton, Borneo, Creagh, Motley 816*. Tenasserim to Sumatra, Java and Celebes.
3. **Agrostophyllum khasiyanum** Griff. in Calcutta Journ. Nat. Hist. 4 (1844) 376, t. 19; Ridl. in Journ. Linn. Soc. 31 (1896) 286.
Dutch Borneo, *Teysmann*. Khasia, Hilla Munipore, and Tenasserim.
4. **Agrostophyllum laterale** J. J. Sm. in Bull. Bot. Jard. Buitenz. 13 (1914) 50.
Dutch Borneo, *Amdjah 154, 22! 249!* Endemic.
5. **Agrostophyllum longifolium** Reichb. f. in Bonpl. 5 (1857) 41.
Borneo fide *J. J. Smith*. Java, Sumatra.
6. **Agrostophyllum majus** Hook. f. Fl. Brit. Ind. 5 (1890) 824; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 286.
Sarawak, *Hose*. Malay Peninsula.
7. **Agrostophyllum saccatum** Ridl. in Journ. Linn. Soc. Bot. 31 (1895) 286.
Sarawak, *Haviland*. Endemic.
1. **Podochilus cucullatus** J. J. Sm. in Bull. Dept. Agr. Neerl. Ind. 22 (1909) 40.
Sarawak, Mt. Poe, *Hewitt*. Endemic.

2. **Podochilus densiflorus** Blume Rumphia 4 (1848) 44 t. 192, f. 5, t. 200 B.; Lindl. in Journ. Linn. Soc. Bot. 3 (1859) 36; Miq. Fl. Ind. Bat. 3 (1859) 687.

Borneo, *Lobb*. New Guinea.

3. **Podochilus lucescens** Blume Bijdr. (1825), Tabell. f. 12; Miq. Fl. Ind. Bat. 3 (1859) 687; Lindl. in Journ. Linn. Soc. Bot. 3 (1859) 37; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 301.

Sarawak, *Lobb*. Tenasserim, the Malay Peninsula, and Java.

4. **Podochilus microphyllus** Lindl. in Wall. Cat. (1832) No. 7335, *nomen nudum*, Lindl. Gen. Sp. Orch. Pl. (1833) 234, p.p.; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 301.

Sarawak, *Haviland*. Tenasserim, Malay Peninsula, Cambodia.

5. **Podochilus oxyphyllus** Schltr. in Bull. Herb. Boiss. II 6 (1906) 308.

Sarawak, *Schlechter* 13274. Endemic.

6. **Podochilus sciuroides** Reichb. f. in Bonpl. 5 (1857) 41.

Dutch Borneo, *Korthals!*; British North Borneo, *J. Clemens* 253! Java.

7. **Podochilus serpyllifolius** (Blume) Lindl. ex Miq. Fl. Ind. Bat. 3 (1859) 688; Rolfe in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 159. *Cryptoglottis serpyllifolia* Blume Bidjr. (1825) 297.

Sarawak, *Lobb*; British North Borneo, *Gibbs* 4060. Java, Philippines.

8. **Podochilus similis** Blume in Rumphia 4 (1848) 44 t. 200A; Reichb. f. in Walp. Ann. 3 (1853) 569; Miq. Fl. Ind. Bat. 3 (1859) 687; Schltr. in Mem. Herb. Boiss. 21 (1900) 15; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 301.

Dutch Borneo, *Korthals!* Sarawak, *Haviland*. New Guinea.

9. **Podochilus spathulatus** J. J. Sm. in Bull. Dept. Agr. Neerl. Ind. 22 (1909) 40.

Borneo, *Nieuwenhuis*. Endemic.

10. **Podochilus tenuis** (Blume) Lindl. Gen. Sp. Orch. Pl. (1833) 235. *Apista tenuis* Blume Bijdr. (1825) 296.

British North Borneo, *J. Clemens* 225! 245!

1. **Chilopogon merrillii** Ames, Orch. 5 (1915) 91. *Appendicula merrillii* Ames in Phil. Journ. Sci. 8 (1913) 418.

Borneo, Kinabalu, *J. Clemens* 61! 230! Philippines; Mindanao.

1. **Appendicula anceps** Blume Bijdr. (1825) 299; Rendle in Journ. Bot. 39 (1901) 176. *Appendicula complanata* Ridl. in Journ. Linn. Soc. Bot. 32 (1896) 389.

Sarawak, *Hose 147, Foxworthy 264!* Java, Philippine Islands.

2. *Appendicula babiensis* J. J. Sm. in Winkler in Engl. Bot. Jahrb. 48 (1912) 102.

Dutch Borneo, *Winkler 2805*. Endemic.

3. *Appendicula buxifolia* Blume Bijdr. (1825) 300; J. J. Sm. in Winkler in Engl. Bot. Jahrb. 48 (1912) 103. *Podochilus buxifolius* Schltr. in Mem. Herb. Boiss. 21 (1900) 52. *Appendicula frutex* Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 302. *Appendicula fruticosa* Ames in Phil. Journ. Sci. 8 (1913) 415.

Dutch Borneo, *Winkler 3227*; Sarawak, *Haviland*. Java, Celebes, Philippine Islands.

4. *Appendicula calcarata* Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 302; J. J. Sm. in Winkler in Engl. Bot. Jahrb. 48 (1912) 102. *Podochilus calcaratus* Schltr. in Mem. Herb. Boiss. 21 (1900) 41.

Dutch Borneo, *Winkler 2852*; Sarawak, *Haviland*. Endemic.

5. *Appendicula congesta* Ridl. in Stapf in Trans. Linn. Soc. Bot. 4 (1894) 239 and in Journ. Linn. Soc. Bot. 31 (1896) 302; Rolfe in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 159. *Podochilus congestus* Schltr. in Mem. Herb. Boiss. 21 (1900) 59.

British North Borneo, *Haviland 1302, Gibbs 4058*. Endemic.

6. *Appendicula cornuta* Blume Bijdr. (1825) 302. *Podochilus cornutus* Schltr. in Mem. Herb. Boiss. 21 (1900) 34. *Appendicula bifaria* Lindl. in Hook. Kew Journ. Bot. 7 (1855) 35.

Dutch Borneo, *Korthals*; Sarawak, *Haviland, Hose 153 P.P.* India to southern China southward to the Philippines and Java.

7. *Appendicula damusensis* J. J. Sm. in Bull. Jard. Bot. Buitenz. 8(1913) 44.

Dutch Borneo, *Hallier 505*. Endemic.

8. *Appendicula floribunda* Schltr. in Fedde Revert Beih. 1 (1912) 355. *Podochilus floribundus* Schltr. in Mem. Herb. Boiss. 21 (1900) 58.

Dutch Borneo, *Korthals*. Endemic.

9. *Appendicula latibracteata* J. J. Sm. in Bull. Jard. Bot. Buitenz. 13 (1914) 37.

Dutch Borneo, *Nieuwenhuis*, Cult. in Hort. Bogor. n. 360, n. 1674; British North Borneo, Kinabalu, *J. Clemens 138!* Endemic.

10. *Appendicula lucida* Ridl. in Journ. Linn. Soc. Bot. 32 (1896) 392. *Podochilus lucidus* Schltr. in Mem. Herb. Boiss. 21 (1900) 37; Ridl. Mater. Fl. Malay Penin. 1 (1907) 195.

Borneo, fide *Ridley l.c.* Malay Peninsula, Rhio.

11. *Appendicula pilosa* J. J. Sm. in Ic. Bogor. 2 (1903) 53, t. 110 A.

Dutch Borneo, *Nieuwenhuis*. Endemic.

12. *Appendicula polita* J. J. Sm. in Bull. Dept. Agr. Neerl. Ind. 22 (1909) 41.

Borneo, *Hallier* 2115, 393a. Endemic.

13. *Appendicula reflexa* Blume Bijdr. (1825) 301; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 301. *Podochilus reflexus* Schltr. in Mem. Herb. Boiss. 21 (1900) 31.

Dutch Borneo, *Korthals*; Sarawak, *Haviland*. Malay Peninsula, Java.

14. *Appendicula rostellata* J. J. Sm. in Ic. Bogor. 4 (1910) 13, t. 305.

Dutch Borneo, *Hallier*. Endemic.

15. *Appendicula rupicola* (Ridl.) Rolfe in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 159. *Podochilus rupicolus* Ridl. in Journ. Str. Branch Roy. As. Soc. 50 (1908) 142.

Sarawak, *Ridley* 11792, *Hewitt*; British North Borneo, *Gibbs* 4301.

16. *Appendicula trota* Blume Bijdr. (1825) 303; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 301; Rolfe in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 159; J. J. Sm. in Winkler in Engl. Bot. Jahrb. 48 (1912) 102. *Podochilus tortus* Schltr. in Mem. Herb. Boiss. 21 (1900) 60.

British North Borneo, *Haviland*, *Gibbs* 2897; Dutch Borneo, *Winkler* 2852. Malay Peninsula, Java.

17. *Appendicula undulata* Blume Bijdr. (1825) 301; J. J. Sm. in Winkler in Engl. Bot. Jahrb. 48 (1912) 103. *Podochilus undulatus* Schltr. in Mem. Herb. Boiss. 21 (1900) 42. *Podochilus unciferus* Hook. f. Fl. Brit. Ind. 6 (1890) 81 and Ic. IV 2 (1893) t. 2145; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 301.

Borneo, *Lobb*, *Haviland*, Dutch Borneo, *Winkler* 2787! Sarawak, *Haviland*.

Var. *longicalcarata* (Rolfe) comb. nov. *Podochilus longicalcaratus* Rolfe in Kew Bull. (1894) 186 p.p. *Podochilus undulatus* Schltr. var. *longicalcaratus* Schltr. in Mem. Herb. Boiss. 21 (1900) 43.

Borneo. Malay Peninsula to Sumatra, Java, and the Philippines.

18. *Appendicula xytriophora* Reichb. f. in Seem. Fl. Vit. (1868) 299; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 301. *Podochilus xytriophorus* Schltr. in Mem. Herb. Boiss. 21 (1900) 47.

Borneo, *Haviland*. Malay Peninsula, Philippines.

1. **Bromheadia borneensis** J. J. Sm. in Bull. Jard. Bot. Buitenz. 25 (1917) 18.

Dutch Borneo, *Amdjah 980*. Endemic.

2. **Bromheadia brevifolia** Ridl. in Journ. Linn. Soc. Bot. 32 (1896) 340 and Mater. Fl. Malay Penin. 1 (1907) 145.

Borneo, fide *Ridley*. Malay Peninsula.

3. **Bromheadia finlaysoniana** (Lindl.) Reichb. f. in Walp. Ann. 6 (1860) 630, 882. *Grammatophyllum ? finlaysonianum* Lindl. Gen. Sp. Orch. Pl. (1830) 173. *Bromheadia palustris* Lindl. Bot. Reg. 27 (1841) Misc. 89; Ridl. in Journ. Linn. Soc. Bot. 28 (1891) 336 and 31 (1896) 290.

Sarawak, *Haviland*; Dutch Borneo, *Teysmann, Hallier 2323!* Labuan, *Merrill!* Cochinchina to Sumatra.

4. **Bromheadia rigida** Ridl. in Stapf in Trans. Linn. Soc. Bot. 4 (1894) 239 and in Journ. Linn. Soc. Bot. 31 (1896) 290.

British North Borneo, *Haviland 1251*. Endemic.

5. **Bromheadia scirpoidea** Ridl. in Journ. Bot. 38 (1900) 71 and Mater. Fl. Malay Penin. 1 (1907) 145.

Borneo, fide *Ridley*. Sarawak, *Hb. Sarawak!* Malay Peninsula.

1. **Polystachya flavescens** J. J. Sm. Fl. Buitenz. 6 (1905) Orch. 284.

Borneo, fide *J. J. Smith*.

2. **Polystachya pleistantha** Kranzl. in Gard. Chron. III 21 (1897) 118.

Borneo (?) fide *Kranzl*; the origin of the material on which the species was based is uncertain.

1. **Acanthophippium curtisii** Reichb. f. Gard. Chron. II 15 (1881) 169; Kew Bull. Add. Series 4 (1900) 3.

Borneo?

2. **Acanthophippium javanicum** Blume Bijdr. (1825) 354; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 285.

Sarawak, *Haviland*; British North Borneo, *Clemens!* Java.

3. **Acanthophippium lycaste** Ridl. in Sarawak Mus. Journ. 1 (1912) 35.

Sarawak, from specimens cultivated in Singapore. Endemic.

1. **Phaius borneensis** J. J. Sm. in Ic. Bogor. 2 (1903) 61. t. 111c.

Dutch Borneo, *Nieuwenhuis*. Endemic.

2. *Phaius blumei* Lindl. Gen. Sp. Orch. Pl. (1833) 127; Rolfe in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 153.

British North Borneo, *Gibbs 3003*. Burma to Java and Fiji.

1. *Calanthe crenulata* J. J. Sm. in Winkler in Engl. Bot. Jahrb. 48 (1912) 97.

Dutch Borneo, *Winkler 2676*. Endemic.

2. *Calanthe gibbisiae* Rolfe in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 156.

British North Borneo, *Gibbs 2870*. Endemic.

3. *Calanthe kinabaluensis* Rolfe in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 156.

British North Borneo, *Gibbs 4108*. Endemic.

4. *Calanthe ovalifolia* Ridl. in Stapf in Trans. Linn. Soc. Bot. 4 (1894) 239 and in Journ. Linn. Soc. Bot. 31 (1896) 288.

British North Borneo, *Haviland*. Endemic.

5. *Calanthe parviflora* Lindl. in Paxt. Flower Gard. 3 (1852-53) 37; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 288 and in Stapf in Trans. Linn. Soc. Bot. 4 (1894) 239.

British North Borneo, *Haviland*. Java.

6. *Calanthe pulchra* (Bl.) Lindl. Gen. and Sp. Orch. Pl. (1833) 250.

British North Borneo, Kinabalu, *J. Clemens 98!*

7. *Calanthe shelfordi* Ridl. in Journ. Str. Branch Roy. As. Soc. 33 (1900) 23.

Sarawak, *Shelford*. Endemic.

8. *Calanthe undulata* J. J. Sm. in Ic. Bogor. 2 (1903) 67, t. 112B.

Dutch Borneo, *Nieuwenhuis*. Endemic.

9. *Calanthe veratrifolia* R. Br. in Bot. Reg. 9 (1823) t. 270.

Borneo, Kinabalu, *J. Clemens, 42! 53! 132! 301! 363!* In Merrill Interp. Rumph. Herb. Amb. (1917) 170, J. J. Smith shows that *Orchis triplicata* Willem. is no longer to be regarded as synonymous with *Calanthe veratrifolia* R. Br. (*Flos triplicatus* Rumph. Herb. Amb. 6 115, t. 22, fig. 2), consequently the name *C. triplicata* is not available to displace by priority the combination *C. veratrifolia* R. Br.

10. *Calanthe vestita* Lindl. in Wall. Cat. (1832) No. 7345 nomen nudum Gen. Sp. Orch. Pl. (1833) 250; Ridl. in Journ. Bot. 36 (1898) 214.

Borneo, fide *Ridley*.

Var. **igneo-oculata** Hort. ex Reichb. f. in Gard. Chron. II 5 (1876) 534, Kew Bull. Add. Series 4 (1900) 69.

Var. **oculata gigantea** Reichb. f. ex Williams Orch. Grow. Man ed. 6 (1885) 166; Warm. Orch. Alb. 5 (1886) t. 211, Kew Bull. Add. Series 4 (1900) 69.

Var. **fournieri** Rolfe in Gard. Chron. III 11 (1892) 488, Kew Bull. Add. Series 4 (1900) 69.

Tenasserim, Malay Peninsula.

1. **Spathoglottis aurea** Lindl. in Journ. Hort. Soc. 5 (1850) 34; Ridl. in Stapf in Trans. Linn. Soc. Bot. 4 (1894) 238 and in Journ. Linn. Soc. Bot. 31 (1896) 285; Rolfe in Gibbs in Trans. Linn. Soc. Bot. 42 (1914) 153.

British North Borneo, *Haviland 1291, Gibbs 4076. Foxworthy 384!* Malay Peninsula, Sumatra, Philippines.

2. **Spathoglottis gracilis** Rolfe in Curtis's Bot. Mag. III 50 (1894) t. 7366; Kew Bull. Add. Series 4 (1900) 372; Rolfe in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 153.

Introduced into cultivation from Borneo; British North Borneo, *Gibbs 4076*; Dutch Borneo, *Hallier 2352!* Endemic.

3. **Spathoglottis kimballiana** Hook. f. in Curtis's Bot. Mag. III 51 (1895) t. 7443; Kew Bull. Add. Series 4 (1900) 372.

Introduced into cultivation from Borneo. Endemic; represented in the Philippines by var. *angustifolia* Ames.

4. **Spathoglottis plicata** Blume Bijdr. (1825) 401; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 285.

Sarawak, *Haviland, Foxworthy 408!* Widely distributed in the Malayan region (Philippines).

1. **Pachystoma pantanum** (Blume) Miq. Fl. Ind. Bat. 3 (1859) 675; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 286. *Pachychilus pantanus* Blume Mus. Bot. Lugd.-Bat. 2 (1856) 173.

Dutch Borneo, *Korthals*.

1. **Ascotainia borneensis** Rolfe in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 154.

British North Borneo, *Gibbs 3958*. Endemic.

1. **Plocoglottis acuminata** Blume Mus. Bot. Lugd. Bat. 1 (1849) 46.

Borneo, fide *J. J. Smith*.

2. **Plocoglottis borneensis** Ridl. in Journ. Str. Branch. Roy. As. Soc. 49 (1908) 33.

Sarawak, *Ridley*. Endemic.

3. *Plocoglottis dilatata* Blume Mus. Bot. Lugd.-Bat. 1 (1849) 47; Ridl. in Journ. Str. Branch Roy. As. Soc. 49 (1908) 34. Sarawak, *Haviland* 76. Java.

4. *Plocoglottis hirta* Ridl. in Journ. Str. Branch Roy. As. Soc. 50 (1908) 137. Sarawak, *Brooks*. Endemic.

5. *Plocoglottis javanica* Blume Bijdr. (1825) 381. Borneo, fide *J. J. Smith* Orch. Jav.

6. *Plocoglottis lowii* Reichb. f. in Gard. Chron. (1865) 434, Xen. Orch. 2 (1868) 142, *t. 154*; Ridl. in Journ. Str. Branch Roy. As. Soc. 49 (1908) 34 and in Journ. Linn. Soc. Bot. 31 (1896) 290.

Borneo, *Low*. Endemic.

7. *Plocoglottis parviflora* Ridl. in Journ. Str. Branch Roy. As. Soc. 49 (1908) 35.

Sarawak, *Hewitt*. Endemic.

8. *Plocoglottis porphyrophylla* Ridl. in Trans. Linn. Soc. Bot. 3 (1893) 368, in Journ. Linn. Soc. Bot. 32 (1896) 317 and in Journ. Str. Branch Roy. As. Soc. 49 (1908) 34. *Plocoglottis lowii* Hallier f. in Ann. Jard. Bot. Buitenz. 13 (1896) 318, *t. 28*, *f. 2 a-f*, non Reichb. f. fide Ridley.

Dutch Borneo, *Hallier*. Malay Peninsula, Sumatra.

1. *Bulbophyllum adenophorum* (Schltr.) J. J. Sm. in Bull. Jard. Bot. Buitenz. 8 (1912) 22. *Cirrhopetalum adenophorum* Schltr. in Bull. Herb. Boiss. 11 6 (1906) 463.

Borneo, *Schlechter* 13343. Endemic.

2. *Bulbophyllum altispex* Ridl. in Stapf in Trans. Linn. Soc. Bot. 4 (1894) 236 and in Journ. Linn. Soc. Bot. 31 (1896) 278.

British North Borneo, *Haviland* 1143. Endemic.

3. *Bulbophyllum angulatum* J. J. Sm. in Bull. Dept. Agr. Ind. Neerl. 15 (1908) 19.

Dutch Borneo, *Korthals*. Endemic.

4. *Bulbophyllum anceps* Rolfe in *Lindenia* 8 (1892) *t. 351*; Kew Bull. Add. Series 4 (1900) 63.

Introduced into cultivation from Borneo. Endemic.

5. *Bulbophyllum apodum* Hook. f. Fl. Brit. Ind. 5 (1890) 766; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 274.

Sarawak, *Haviland*, *Hb. Hort. Bogor!* Malay Peninsula.

6. **Bulbophyllum asperulum** J. J. Sm. in Bull. Dept. Agr. Ind. Neerl. 22 (1909) 38.

Borneo, fide *Smith* l. c. Endemic.

7. **Bulbophyllum attenuatum** Rolfe in Kew Bull. (1896) 45; Kew Bull. Add. Series 4 (1900) 63.

Introduced into cultivation from Borneo. Endemic.

8. **Bulbophyllum barrinum** Ridl. in Sarawak Mus. Journ. 1 (1912) 32.

Sarawak, *Moulton*. Endemic.

9. **Bulbophyllum beccarii** Reichb. f. in Gard. Chron. II 11 (1879) 41, II 14 (1881) 326, 525; Hook. f in Curtis's Bot. Mag. III 37 (1881) t. 6567; Ridl. in Journ. Soc. Bot. 31 (1896) 274.

Sarawak, *Lobb, Beccari*. Endemic.

10. **Bulbophyllum borneense** (Schltr.) J. J. Sm. in Bull. Jard. Bot. Buitenz. 8 (1912) 23. *Cirrhopetalum borneense* Schltr. in Bull. Herb. Boiss. II 6 (1906) 464.

Borneo, *Schlechter 13401*. Endemic.

11. **Bulbophyllum brevifolium** Ridl. ex Stapf in Trans. Linn. Soc. Bot. 4 (1894) 236 and in Journ. Linn. Soc. Bot. 31 (1896) 276.

British North Borneo, *Haviland*. Endemic.

12. **Bulbophyllum brienianum** (Rolfe) comb. nov. *Cirrhopetalum brienianum* Rolfe in Kew Bull. (1893) 62; Kew Bull. Add. Series 4 (1900) 97.

Introduced into cultivation from Borneo. Endemic.

13. **Bulbophyllum brunnescens** (Ridl.) J. J. Sm. in Bull. Jard. Bot. Buitenz. 8 (1912) 23. *Cirrhopetalum brunnescens* Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 279.

Borneo, from specimens cultivated in Singapore. Endemic.

14. **Bulbophyllum brookeanum** Kranzl. in Engl. Bot. Jahrb. 34 (1904) 250.

Sarawak, *Beccari 306*. Endemic.

15. **Bulbophyllum brooksii** Ridl. in Journ. Str. Branch Roy. As. Soc. 50 (1908) 131.

Sarawak, *Brooks*. Endemic.

16. **Bulbophyllum capitatum** (Blume) Lindl. Gen. Sp. Orch. Pl. (1830) 56; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 278. *Diphyes capitata* Blume Bijdr. (1825) 314.

Sarawak, *Haviland*. Malay Peninsula, Java.

17. **Bulbophyllum carinatum** Cogn. in Journ. des Orchid. 6 (1895) 216 and in Lindenia 11 (1895) 20, 33, t. 495; Kew Bull. Add. Series 4 (1900) 63.

Introduced into cultivation from Borneo. Endemic.

18. **Bulbophyllum catenarium** Ridl. in Stapf in Trans. Linn. Soc. Bot. 4 (1894) 235 and in Journ. Linn. Soc. Bot. 31 (1896) 274.

British North Borneo, *Haviland 1104*. Malay Peninsula.

19. **Bulbophyllum claptonense** Rolfe Orch. Rev. 13 (1905) 198.

Introduced into cultivation from Borneo. Endemic.

20. **Bulbophyllum concinnum** Hook. f. Ic. IV 1 (1890) t. 2038A and Fl. Brit. Ind. 6 (1890) 187; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 278.

Sarawak, *Haviland*. Malay Peninsula.

21. **Bulbophyllum corolliferum** J. J. Sm. in Bull. Jard. Bot. Buitenz. 25 (1917) 80.

Dutch Borneo, Cult. in Hort. Bogor. Endemic.

22. **Bulbophyllum coriaceum** Ridl. ex Stapf. in Trans. Linn. Soc. Bot. 4 (1894) 235 and in Journ. Linn. Soc. Bot. 31 (1896) 275.

British North Borneo, *Haviland 1100*. Endemic.

23. **Bulbophyllum corticicola** Schltr. in Fedde Repert. 8 (1910) 568.

Borneo, *Schlechter 15844!*

Var. **minor** Schltr. in Fedde Repert. 8 (1910) 569.

Borneo, *Schlechter*. Endemic.

24. **Bulbophyllum cryptophoranthoides** Kranzl. in Engl. Bot. Jahrb. 34 (1914) 251.

Sarawak, *Beccari 1874*. Endemic.

25. **Bulbophyllum cuspidipetalum** J. J. Sm. in Bull. Dept. Agr. Ind. Neerl. 15 (1908) 16.

Dutch Borneo, *Nieuwenhuis*. Endemic.

26. **Bulbophyllum dearei** Reichb. f. in Flora 71 (1888) 156. *Sarcopodium dearei* Hort. ex Gard. Chron. II 20 (1883) 108, f. 17; Kew Bull. Add. Series 4 (1900) 357.

Introduced into cultivation from Borneo. It is not certain that this was from Borneo; the species occurs in the Philippines.

27. **Bulbophyllum elatius** Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 275; Rendle in Journ. Bot. 39 (1901) 174.

Sarawak, *Haviland*, *Bishop Hose*, *Hose 234!* Sumatra.

28. ***Bulbophyllum ehippium*** Ridl. *Mater. Fl. Malay Penin.* 1 (1907) 78.

Borneo, fide *Ridley*. Malay Peninsula, Java.

29. ***Bulbophyllum fenestratum*** J. J. Sm. in *Bull. Dept. Agr. Ind. Neerl.* 13 (1907) 48.

Borneo, fide *Smith*. Java, Bangka.

30. ***Bulbophyllum gibbsiae*** Rolfe in *Gibbs in Journ. Linn. Soc. Bot.* 42 (1914) 149.

British North Borneo, *Gibbs 4059*. Endemic.

31. ***Bulbophyllum gamosepalum*** (Griff.) J. J. Sm. in *Bull. Jard. Bot. Buitenz.* 8 (1912) 24. *Cirrhopetalum gamosepalum* Griff. *Notul.* 3 (1851) 296; Ridl. in *Journ. Linn. Soc. Bot.* 31 (1896) 279. *Bulbophyllum griffithianum* Par. and Reichb. f. in *Trans. Linn. Soc. Bot.* 30 (1874) 153; Ridl. *Mater. Fl. Malay Penin.* 1 (1907) 83.

Sarawak, *Hose*; British North Borneo, *Pryer*. Malay Peninsula, Tenasserim.

32. ***Bulbophyllum hamatifolium*** J. J. Sm. in *Bull. Jard. Bot. Buitenz.* 13 (1914) 26.

Borneo, *Nieuwenhuis*. Cult. in Hort. Bogor. no. 1763. Endemic.

33. ***Bulbophyllum hewittii*** Ridl. in *Journ. Str. Branch Roy. As. Soc.* 54 (1910) 49.

Sarawak, *Hewitt*. Endemic.

34. ***Bulbophyllum hymenochilum*** Kranzl. in *Engl. Bot. Jahrb.* 34 (1904) 252.

Sarawak, *Beccari 1536*. Endemic.

35. ***Bulbophyllum insigne*** Ridl. in *Journ. Linn. Soc. Bot.* 31 (1896) 272.

Borneo, *Durnford*. Endemic.

36. ***Bulbophyllum inunctum*** J. J. Sm. *l.c.* Bogor. 3 (1906) 37, t. 215.

Dutch Borneo, fide *Smith*. Endemic.

37. ***Bulbophyllum kinabaluense*** Rolfe in *Gibbs in Journ. Linn. Soc. Bot.* 42 (1914) 148.

British North Borneo, *Gibbs 4252*. Endemic.

38. ***Bulbophyllum lepidum*** J. J. Sm. in *Fl. Buitenz.* 6 (1905) Orch. 471 and in *Winkler in Engl. Bot. Jahrb.* 48 (1912) 102.

Dutch Borneo, *Winkler 2170*. Java, Sumatra.

39. **Bulbophyllum leysenianum** Burbidge in Journ. Roy. Hort. Soc. 17 (1895) 55 and Proc. Roy. Hort. Soc. 17 (1895) 134, f. 19.

Introduced into cultivation from Borneo. Endemic.

40. **Bulbophyllum lobbii** Lindl. Bot. Reg. 33 (1847) sub. t. 29.

Borneo, fide *J. J. Smith* Orch. Jav.

41. **Bulbophyllum longerepens** Ridl. in Journ. Str. Branch Roy. As. Soc. 49 (1908) 28.

Sarawak, *Hewitt*. Endemic.

42. **Bulbophyllum macranthum** Lindl. in Bot. Reg. 30 (1844) t. 13; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 272.

Borneo, common, fide *Ridley*; Dutch Borneo, *Korthals!* Tenasserim to the Malay Peninsula and Sumatra.

43. **Bulbophyllum macrochilum** Rolfe in Kew Bull. (1896) 45.

Sarawak, *Haviland*. Endemic.

44. **Bulbophyllum macrophyllum** Kranzl. in Engl. Bot. Jahrb. 34 (1904) 249.

Sarawak, *Beccari 1344, 3113*. Endemic.

45. **Bulbophyllum mahakamense** J. J. Sm. in Bull. Dept. Agr. Ind. Neerl. 22 (1909) 34.

Borneo, fide *Smith*. Endemic.

46. **Bulbophyllum makoyanum** Reichb. f. in Gard. Chron. II 11 (1879) 234 in footnote, in synonym.; Ridl. Mater. Fl. Malay Penin. I (1907) 81. *Cirrhopetalum makoyanum* Reichb. t. in Gard. Chron. II 11 (1879) 234.

Borneo, fide *Ridley*. Malay Peninsula, Philippines.

47. **Bulbophyllum mandibulare** Reichb. f. in Gard. Chron. II 17 (1882) 366; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 273; Kew Bull. Add. Series 4 (1900) 64.

Borneo, *Burbidge*. Endemic.

48. **Bulbophyllum medusae** (Lindl.) Reichb. f. in Walp. Ann. 6 (1861) 262. *Cirrhopetalum medusae* Lindl. in Bot. Reg. 28 (1842) t. 12, Miq. Fl. Ind. Bat. 3 (1859) 653.

Sarawak, *Haviland*. Siam, Malay Peninsula.

49. **Bulbophyllum microstele** Schltr. in Fedde Repert. 8 (1910) 569.

Sarawak, *Schlechter 15835*. Endemic.

50. **Bulbophyllum mirabile** Hallier f. in Ann. Jard. Bot. Buitenz. 13 (1896) 316, t. 28, f. 1, a-d.

Dutch Borneo, *Jaheri*. Endemic.

51. **Bulbophyllum mirandum** Kranzl. in Engl. Bot. Jahrb. 34 (1904) 255.

Sarawak, *Beccari*. Endemic.

52. **Bulbophyllum montense** Ridl. in Stapf in Trans. Linn. Soc. Bot. 4 (1894) 234 and in Journ. Linn. Soc. Bot. 31 (1896) 274.

British North Borneo, *Haviland 1099*. Endemic.

53. **Bulbophyllum montigenum** Ridl. in Stapf in Trans. Linn. Soc. Bot. 4 (1894) 235 and in Journ. Linn. Soc. Bot. 31 (1896) 275.

British North Borneo, *Haviland 1252*. Malay Peninsula.

54. **Bulbophyllum mutabile** (Blume) Lindl. Gen. Sp. Orch. Pl. (1830) 48; Kranzl. in Engl. Bot. Jahrb. 34 (1904) 248.

Sarawak, *Beccari 2695*. Java, Sumatra.

55. **Bulbophyllum obtusipetalum** J. J. Sm. Fl. Buitenz. 6 (1905) Orch. 424.

Borneo, fide *J. J. Smith*. Java, Sumatra.

56. **Bulbophyllum odoardii** Pfitz. in Engl. Nat. Pflanzenfam. 26 (1889) 179.

Sarawak, *Schlechter 15843!* Endemic.

57. **Bulbophyllum odoratum** Lindl. Gen. Sp. Orch. Pl. (1830) 54; Ridl. Mater. Fl. Malay Penin. 1 (1907) 77.

Borneo, fide *Ridley l.c.* Malay Peninsula.

58. **Bulbophyllum pedicellatum** Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 278, t. 13.

Sarawak, *Haviland*. Endemic.

59. **Bulbophyllum perpusillum** Ridl. in Journ. Str. Branch Roy. As. Soc. 50 (1908) 130.

Sarawak, *Brooks*. Endemic.

60. **Bulbophyllum pugioniforme** J. J. Sm. in Bull. Dept. Agr. Ind. Neerl. 45 (1911) 21.

Dutch Borneo, *Hallier 2036*. Endemic.

61. **Bulbophyllum puberulum** Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 275.

Sarawak, *Haviland*. Endemic.

62. **Bulbophyllum pumilio** Ridl. in Journ. Str. Branch Roy. As. Soc. 50 (1908) 130.

Sarawak, *Brooks*. Endemic.

63. ***Bulbophyllum punctatum*** Ridl. in Journ. Str. Branch Roy. As. Soc. 50 (1908) 129.

Sarawak, *Hewitt*. Endemic.

64. ***Bulbophyllum purpurascens*** Teysm. and Binn. Nat. Tijdschr. Ned. Ind. 24 (1862) 308. *B. citrinum* Ridl. Mater. Fl. Malay Penin. 1 (1907) 75. *Cirrhopetalum citrinum* Ridl. in Journ. Linn. Soc. 31 (1896) 279. *Cirrhopetalum pallidum* Schltr. in Bull. Herb. Boiss. II 6 (1906) 464.

Borneo, *Korthals!* Sarawak, *Haviland*, *Schlechter 13344*. Malay Peninsula, Siam.

65. ***Bulbophyllum racemosum*** Rolfe in Kew Bull. (1893) 61; Kew Bull. Add. Series 4 (1900) 65.

Introduced into cultivation from Borneo. Endemic.

66. ***Bulbophyllum rariflorum*** J. J. Sm. in Bull. Dept. Agr. Ind. Neerl. 15 (1908) 20.

Dutch Borneo. Endemic.

67. ***Bulbophyllum reticosum*** Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 273.

Borneo, *Durnford*. Endemic.

68. ***Bulbophyllum reticulatum*** Batem. ex Hook. f. in Curtis's Bot. Mag. III 22 (1866) t. 5605; Ridl in Journ. Linn. Soc. Bot. 31 (1896) 272.

Borneo, *Lobb*. Endemic.

69. ***Bulbophyllum rhynchoglossum*** Schltr. in Fedde Repert. 8 (1910) 569.

Sarawak, *Schlechter 15851*. Endemic.

70. ***Bulbophyllum ruficaudatum*** Ridl. in Journ. Str. Branch Roy. As. Soc. 54 (1910) 50.

Sarawak, *Hewitt*. Endemic.

71. ***Bulbophyllum tardeflorens*** Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 276 t. 14.

Borneo, from specimens cultivated in Singapore. Endemic.

72. ***Bulbophyllum saccatum*** Kranzl. in Engl. Bot. Jahrb. 34 (1904) 250.

Sarawak, *Beccari 486*. Endemic.

73. ***Bulbophyllum scandens*** Kranzl. in Engl. Bot. Jahrb. 34 (1904) 253.

Sarawak, *Beccari 1954*. Endemic.

74. **Bulbophyllum scintilla** Ridl. in Journ. Str. Branch Roy. As. Soc. 50 (1908) 129.

Sarawak, *Hewitt*. Endemic.

75. **Bulbophyllum sessile** J. J. Sm. Fl. Buitenz. 6 (1905) Orch. 448. *B. clandestinum* Lindl. in Bot. Reg. 27 (1841) Misc. 77; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 272; Rendle in Journ. Bot. 39 (1910) 174. *Epidendrum sessile* Koen. in Retz. Obs. 6 (1791) 60.

Sarawak fide *Ridley, Hose 152*. Tenasserim, Malay Peninsula, Java.

76. **Bulbophyllum subumbellatum** Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 274.

Sarawak, *Haviland*. Malay Peninsula.

77. **Bulbophyllum unguiculatum** Reichb. f. in Linnaea 22 (1849) 864; J. J. Sm. ex Winkler in Engl. Bot. Jahrb. 48 (1912) 102.

Dutch Borneo, *Winkler 3226*. Java, Sumatra, New Guinea.

78. **Bulbophyllum vaginatum** (Lindl.) Reichb. f. in Walp. Ann. 6 (1861) 261. *Cirrhopetalum vaginatum* Lindl. in Wall. Cat. (1828) No. 1979, *nomen nudum*, and Gen. Sp. Orch. Pl. (1830) 59; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 279.

Sarawak, *Haviland*. Malay Peninsula.

1. **Thelasis borneensis** Schltr. in Bull. Herb. Boiss. II 6 (1906) 310; Kranzl. in Engl. Pflanzenreich 50|2 (1911) 38.

Dutch Borneo, *Schlechter 13522*. Endemic.

2. **Thelasis capitata** Blume Bijdr. (1825) 386; Schltr. in Mem. Herb. Boiss. 21 (1900) 69. *Thelasis ochreatea* Lindl. in Journ. Linn. Soc. Bot. 3 (1859) 63; Miq. Fl. Ind. Bat. 3 (1859) 701; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 303.

Borneo, *Lobb*. Malay Peninsula, Sumatra, Java, Philippines.

3. **Thelasis carinata** Blume Bijdr. (1825) 386; Kranzl. in Engl. Pflanzenreich 50|2 (1911) 43. *Oxyanthera elata* Hook. f. Ic. IV 2 (1893) sub. t. 2156; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 303. *Thelasis elata* Hook. f. Fl. Brit. Ind. 6 (1890) 87. *Oxyanthera carinata* Schltr. in Mem. Herb. Boiss. 21 (1900) 76.

Sarawak, *Haviland*. Malay Peninsula, Java, Sumatra, Philippines.

4. **Thelasis cebolleta** J. J. Sm. in Bull. Dept. Agr. Neerl. Ind. 22 (1909) 38.

Sarawak, *Hewitt*. Endemic.

5. **Thelasis elongata** Blume Mus. Bot. Lugd.-Bat. 2 (1856) 187; Kranzl. in Engl. Pflanzenreich 50|2 (1911) 41, f. 5 T-X; Schltr. in Mem. Herb. Boiss. 21 (1900) 70.

Borneo, *Motley 1021*. Malay Peninsula, Sumatra, Java, Philippines, Hongkong, Admiralty Islands.

6. ***Thelasis micrantha*** (Brongn.) J. J. Sm. in Fl. Buitenz. 6 (1905) Orch. 495; Kranzl. in Engl. Pflanzenreich 50/2 (1911) 44. *Oxyanthera micrantha* Brongn. in Duperry Voy. Bot. Phan. (1829) 198, t. 37B.; Schltr. in Mem. Herb. Boiss. 21 (1900) 77. *Oxyanthera decurva* Hook. f. Ic. IV 2 (1893) sub. t. 2157; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 303.

Sarawak, *Haviland*. Malay Peninsula, Java, Philippines, Sumatra, Rhio, Waigiou.

1. ***Phreatia densiflora*** (Blume) Lindl. Gen. Sp. Orch. Pl. (1830) 64; Rolfe in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 152. *Dendrolirium densiflorum* Blume Bijdr. (1825) 350. *Phreatia myosurus* Lindl. in Journ. Linn. Soc. Bot. 3 (1859) 61; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 285.

British North Borneo, *Gibbs 4122, 4123*; Sarawak, *Haviland*. Malay Peninsula, Java, Philippines.

2. ***Phreatia minutiflora*** Lindl. in Journ. Linn. Soc. Bot. 3 (1859) 62; Miq. Fl. Ind. Bat. 3 (1859) 655; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 285; Kranzl. in Engl. Pflanzenreich 50/2 (1911) 32 f. 3c., a-g.

Borneo, *Lobb*. Philippines, Celebes, Samoa.

3. ***Phreatia monticola*** Rolfe in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 152.

British North Borneo, *Gibbs 3959*. Endemic.

4. ***Phreatia secunda*** (Blume) Lindl. Gen. Sp. Orch. Pl. (1830) 64; J. J. Sm. in Winkler in Engl. Bot. Jahrb. 48 (1912) 102.

Dutch Borneo, *Winkler 2397*. Java, Sumatra, Celebes.

1. ***Eulophia borneensis*** Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 289.

Sarawak, *Haviland*. Endemic.

2. ***Eulophia chrysoglossoides*** Schltr. in Bull. Herb. Boiss. II 6 (1906) 453.

Borneo, *Little*. Endemic.

3. ***Eulophia macrostachya*** Lindl. Gen. Sp. Orch. Pl. (1833) 183; Rolfe in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 157.

British North Borneo, *Gibbs 4318*. India to New Guinea, (Philippines).

4. **Eulophia squalida** Lindl. in Bot. Reg. 27 (1841) Misc. 77; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 289 and in Journ. Bot. 36 (1898) 214; Rolfe in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 157. *Cyrtoptera squalida* Reichb. f. in Bonpl. 5 (1857) 38; Lindl. in Journ. Linn. Soc. Bot. 3 (1859) 31; Miq. Fl. Ind. Bat. 3 (1859) 686.

Borneo, *Lobb*; British North Borneo, *Ridley, Gibbs 4319, J. Clemens 345!* Malay Peninsula to Sumatra, Java, Philippines and Celebes.

1. **Dipodium paludosum** Reichb. f. Xen. Orch. 2 (1862) 15; Gard. Chron. III 4 (1888) 91; Kew Bull. Add. Series 4 (1900) 161; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 290; Rendle in Journ. Bot. 39 (1901) 175.

Sarawak, *Haviland, Hose 45! Foxworthy 319!* Cochinchina and the Malay Peninsula.

2. **Dipodium pictum** (Lindl.) Reichb. f. Xen. Orch. 2 (1862) 15, 20, t. 107, f. II-IV, 9-12; J. J. Sm. in Bull. Dept. Agr. Ind. Neerl. 43 (1910) 62.

Borneo, fide *Smith* l.c. Malay Peninsula, Java.

3. **Dipodium purpureum** J. J. Sm. in Ic. Bogor. 4 (1910) 9, t. 304.

Dutch Borneo, *Nieuwenhuis*. Endemic.

1. **Grammatophyllum papuanum** J. J. Sm. in Bull. Dept. Agric. Ind. Neerl. 45 (1911) 11.

British North Borneo, Kinabalu, *J. Clemens 55!* (variety with narrow leaves). New Guinea.

2. **Grammatophyllum rumphianum** Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 219, t. 8, 9; Rolfe in Orch. Rev. 3 (1895) 208; Hook. f. in Curtis's Bot. Mag. III 53 (1896) t. 7507. *Grammatophyllum guilelmi-secundi* Kranzlin in Gartenflora 43 (1894) 114; Kew Bull. Add. Series 4 (1900) 194.

Borneo, fide *Kranzlin* and *Rolfe*. Moluccas.

3. **Grammatophyllum speciosum** Blume Bijdr. (1825) 378; Rendle in Journ. Linn. Soc. Bot. 39 (1901) 175; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 290.

Sarawak, *Hose 122; Haviland*. Tenasserim to the Solomon Islands.

1. **Cymbidium aloifolium** Sw. Nov. Act. Ups. 6 (1799) 13.

Borneo, fide *J. J. Smith*. Orch. Jav.

2. **Cymbidium finlaysonianum** Lindl. in Wall. Cat. (1832) No. 7358, *nomen nudum*. and Gen. Sp. Orch. Pl. (1833) 164; Rendle in Journ. Bot. 39 (1901) 175.

Sarawak, *Hose* 565. Malay Peninsula, Philippines.

3. **Cymbidium pubescens** Lindl. in Bot. Reg. 26 (1840) Misc. 75; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 290.

Sarawak, *Haviland*; British North Borneo, *Haslam*! Siam to the Malay Peninsula.

4. **Cymbidium pulchellum** Schltr. in Fedde Repert. 8 (1910) 570.

Sarawak, *Schlechter* 15846. Endemic.

5. **Cymbidium sanguinolentum** Teysm. and Binn. Nat. Tijdschr. Ned. Ind. 24 (1862) 318.

British North Borneo, Kinabalu, *J. Clemens* 50! 51!

1. **Porphyroglottis maxwelliae** Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 290.

Sarawak, *Mrs. Maxwell*. A monotypic endemic genus.

1. **Acriopsis borneensis** Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 193.

Sarawak, *Ridley*. Endemic.

2. **Acriopsis densiflora** Lindl. in Bot. Reg. 33 (1847) sub. t. 20.

Borneo, *Low*. Endemic.

3. **Acriopsis javanica** Reinw. ex Blume Cat. Gew. Buitenz. (1823) 97 nomen nudum; Blume Bijdr. (1825) 577; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 299; J. J. Sm. in Winkler in Engl. Bot. Jahrb. 48 (1912) 103. *Acriopsis philippinensis* Ames, Orch. 2 (1908) 215.

Dutch Borneo, *Winkler* 3228; Sarawak, *Haviland*. Tenasserim to New Guinea, Philippines.

4. **Acriopsis purpurea** Ridl. in Trans. Linn. Soc. Bot. 3 (1893) 406 and in Journ. Linn. Soc. Bot. 31 (1896) 299.

Sarawak, *Haviland*. Malay Peninsula.

1. **Thecostele alata** (Roxb.) Par. and Reichb. f. in Trans. Linn. Soc. 30 (1874) 135. *Cymbidium alatum* Roxb. Hort. Beng. (1814) 63, nomen nudum and Fl. Ind. ed 2, 3 (832) 459. *Thecostele zollingeri* Reichb. f. in Bonpl. 5 (1857) 37; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 299.

Sarawak, *Haviland*. Tenasserim to the Malay Peninsula.

2. **Thecostele secunda** Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 299.

Sarawak, *Everett*. Malay Peninsula.

1. **Thrixspermum affine** Schltr. in Bull. Herb. Boiss. II 6 (1906) 468 and in Orchis 5 (1911) 54.

Dutch Borneo, *Schlechter 13345*. Endemic.

2. **Thrixspermum amplexicaule** (Blume) Reichb. f. Xen. Orch. 2 (1867) 121. *Dendrocolla amplexicaulis* Blume Bijdr. (1825) 288. *Thrixspermum lilacinum* Reichb. f. Xen. Orch. 2 (1867) 121; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 298.

Sarawak, *Haviland*. Malay Peninsula and Java.

3. **Thrixspermum arachnites** (Blume) Reichb. f. Xen. Orch. 2 (1867) 121; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 299; J. J. Sm. in Winkler in Engl. Bot. Jahrb. 48 (1912) 105. *Dendrocolla arachnites* Blume Bijdr. (1825) 277.

Sarawak, *Haviland*; Dutch Borneo, *Winkler 3421, Korshals!* Malay Peninsula, Java, Celebes.

4. **Thrixspermum borneense** (Rolfe) Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 299; Schltr. in Orchis 5 (1911) 54. *Sarcophilus borneensis* Rolfe in Ill. Hort. 39 (1892) 99, t. 161; Kew Bull. Add. Series 4 (1900) 357.

Borneo, *Low*. Endemic.

5. **Thrixspermum canaliculatum** J. J. Sm. in Bull. Jard. Bot. Buitenz. 13 (1914) 42.

North Borneo, *Amdjah*. Cult. in Hort. Bogor. no. 30. Endemic.

6. **Thrixspermum fuscum** (Ames) comb. nov. *Dendrocolla fusca* Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 296.

Borneo, from specimens cultivated in Singapore. Endemic.

7. **Thrixspermum hewittii** Ames nom. nov. *Dendrocolla minima* Ridl. in Journ. Str. Branch Roy. As. Soc. 50 (1908) 139, not *Thrixspermum minimum* (Blume) O. Ktze. Rev. Gen. Pl. 2 (1891) 682.

Sarawak, *Hewitt*. *Schlechter* in Orchis 5 (1911) 58 says that this is better excluded from *Thrixspermum*.

8. **Thrixspermum infraetum** Schltr. in Bull. Herb. Boiss. II 6 (1906) 470.

Dutch Borneo, *Schlechter 13324*. Endemic.

9. **Thrixspermum inquinatum** J. J. Sm. in Bull. Dept. Agr. Ind. Neerl. 5 (1907) 23.

Dutch Borneo, *Nieuwenhuis*. Endemic.

10. **Thrixspermum longicauda** Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 299; Schltr. in Orchis 5 (1911) 55.

Sarawak, *Haviland*. Endemic.

11. **Thrixspermum maculatum** Schltr. in Bull. Herb. Boiss. II 6 (1906) 470 and in Orchis 5 (1911) 56.

Dutch Borneo, *Schlechter*. Endemic.

12. **Thrixspermum multicolor** (Ames) comb. nov. *Dendrocolla multicolor* Ridl. in Journ. Str. Branch Roy. As. Soc. 54 (1910) 54.

Sarawak, *Hewitt*. Endemic.

13. **Thrixspermum pardale** (Ridl.) Schltr. in Orchis 5 (1911) 56. *Sarcochilus pardalis* Ridl. in Trans. Linn. Soc. Bot. 3 (1893) 371. *Dendrocolla pardalis* Ridl. in Journ. Linn. Soc. Bot. 32 (1896) 382 and Mater. Fl. Malay Penin. 1 (1907) 185.

Borneo, fide *Ridley* l.c. Malay Peninsula.

14. **Thrixspermum samarindae** Schltr. in Bull. Herb. Boiss. 6 (1906) 471 and in Orchis 5 (1911) 57.

Dutch Borneo, *Schlechter* 13334. Endemic.

15. **Thrixspermum sarawakense** Ames nom. nov. *Dendrocolla pulchella* Ridl. in Journ. Str. Branch Roy. As. Soc. 54 (1910) 55, not *Thrixspermum pulchellum* Reichb. f. in Flora 51 (1868) 53 nor *Thrixspermum pulchellum* (Trim.) Schltr. in Orchis 5 (1911) 57.

Sarawak, *Hewitt*. Endemic.

16. **Thrixspermum tortum** J. J. Sm. in Bull. Jard. Bot. Buitenz. 13 (1914) 40.

Borneo, *Nieuwenhuis*. Cult. in Hort. Bogor. Sumatra.

1. **Sarcochilus emarginatus** (Blume) Reichb. f. in Walp. Ann. 6 (1861) 500. *Dendrocolla emarginata* Blume Bijdr. (1825) 290.

Dutch Borneo, *Korthals!* Java.

2. **Sarcochilus fragrans** Ridl. in Journ. Str. Branch Roy. As. Soc. 49 (1908) 38.

Sarawak, *Ridley*. Endemic.

3. **Sarcochilus fuscoluteus** Lindl. in Bot. Reg. 33 (1847) sub. *t.* 18 Reichb. f.; Walp. Ann. 1 (1849) 781; Miq. Fl. Ind. Bat. 3 (1859) 689.

Borneo, *Low*. Endemic.

4. **Sarcochilus hirtulus** Hook. f. Fl. Brit. Ind. 6 (1890) 39.

Borneo, *Schlechter!*, det *Schlechter*. Malay Peninsula.

5. **Sarcochilus koeteiense** Schltr. in Bull. Herb. Boiss. II 6 (1906) 467.

Dutch Borneo, *Schlechter* 13464. Endemic.

6. *Sarcochilus pachyrhachis* Schltr. in Bull. Herb. Boiss. II 6 (1906) 468.

Dutch Borneo, *Schlechter 13348*. Endemic.

7. *Sarcochilus pallidus* (Blume) Reichb. f. in Walp. Ann. 6 (1861) 500; J. J. Sm. in Winkler in Engl. Bot. Jahrb. 48 (1912) 104. *Dendrocolla pallida* Blume Bijdr. (1825) 290.

Dutch Borneo, *Winkler 3483*. Malay Peninsula to the Philippines and the Moluccas.

8. *Sarcochilus stenoglottis* Hook. f. Fl. Brit. Ind. 6 (1890) 34. *Sarcochilus sigmoideus* Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 298.

Dutch Borneo, fide *Ridley (S. sigmoideus Ridl.)* Malay Peninsula, Sumatra.

9. *Sarcochilus suaveolens* Hook. f. Fl. Brit. Ind. 6 (1890) 33.

Borneo fide *J. J. Smith* Orch. Jav. Java, Sumatra, East Indies.

10 *Sarcochilus unguiculatus* Lindl. in Bot. Reg. 26 (1840) Misc. 67; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 298.

Borneo, *Durnford*. Malay Peninsula, Philippines.

11. *Sarcochilus vriesii* Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 297.

Dutch Borneo, fide *Ridley*. Endemic.

1. *Phalaenopsis amabilis* (Lindl.) Blume Bijdr. (1825) 294, Tabell. f. 44; Rolfe in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 157; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 292.

British North Borneo, *Gibbs 2704*.

Var. *fuscata* Reichb. f. in Bot. Zeit. 20 (1862) 214.

Borneo, fide *Reichenbach* f. l.c. Malaya and the Philippines.

2. *Phalaenopsis cornu-cervi* Blume and Reichb. f. in Hamb. Gartenzeit. 16 (1860) 116; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 292.

Sarawak, fide *Ridley* l.c. Malay Peninsula.

3. *Phalaenopsis cruciata* Schltr. in Fedde Repert. 8 (1910) 457.

Dutch Borneo, *Schlechter 13480*. Endemic.

4. *Phalaenopsis gigantea* J. J. Sm. in Bull. Dept. Agr. Neerl. Ind. 22 (1909) 45.

Dutch Borneo, *Nieuwenhuis*. Endemic.

5. *Phalaenopsis maculata* Reichb. f. in Gard. Chron. II 16 (1881) 134; Kew Bull. Add.. Series 4 (1900) 319; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 292.

Sarawak, *Curtis, Haviland*. Endemic.

6. **Phalaenopsis mariae** Burbidge in Warn. Orch. Alb. 2 (1883) t. 80; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 292.

Dutch Borneo, fide *Ridley* l.c. Philippines.

7. **Phalaenopsis modesta** J. J. Sm. Ic. Bogor. 3 (1906) 47, t. 218; J. J. Sm. in Winkler in Engl. Bot. Jahrb. 48 (1912) 103.

Dutch Borneo, *Nieuwenhuis, Winkler 2458*. Endemic.

8. **Phalaenopsis pantherina** Reichb. f. in Bot. Zeit. 22 (1864) 298; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 292.

Borneo, *Low*. Endemic.

9. **Phalaenopsis sumatrana** Korth. and Reichb. f. in Hamb. Gartenzeit. 16 (1860) 115; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 292.

Dutch Borneo, fide *Ridley* l.c. Sumatra, Malay Peninsula.

10. **Phalaenopsis violacea** Teysm. and Binn. in Nat. Tijdschr. Nederl. Ind. 24 (1862) 320; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 292.

Dutch Borneo, fide *Ridley* l.c. Malay Peninsula, Sumatra.

1. **Aerides bernhardianum** Reichb. f. in Gard. Chron. II 24 (1885) 650; Kew Bull. Add. Series 4 (1900) 11.

Introduced into cultivation from Borneo. Endemic.

2. **Aerides lobbii** Teysm. and Binn. in Nat. Tijdschr. Nederl. Ind. 24 (1862) 323.

Sarawak, *Lobb*. This is perhaps a synonym of *Aerides multiflorum* Roxb. [see *Hooker* f. Fl. Brit. Ind. 6 (1890) 44,] or of the next species.

3. **Aerides odoratum** Lour. Fl. Cochinch. (1790) 525; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 294.

Sarawak, *Gibson*; British North Borneo, Kinabalu, *J. Clemens 43! 69! 81! 307!* India to southern China and Java. *Aerides crispum* Lindl. credited with doubt to Borneo by *Miquel* Fl. Ind. Bat. 3 (1859) 695, was certainly based on some error of identification; it is an Indian species.

1. **Rhynchostylis retusa** Blume Bijdr. (1825) 286; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 294.

Sarawak, *Haviland*. India to Malaya and the Philippines.

1. **Adenoncos borneensis** Schltr. in Bull. Herb. Boiss. II 6 (1906) 465.

Dutch Borneo, *Schlechter 13352*. Endemic.

2. **Adenoncos saccata** J. J. Sm. in Winkler in Engl. Bot. Jahrb. 48 (1912) 104.

Dutch Borneo, *Winkler 3042*. Endemic.

3. **Adenoncos virens** Blume Bijdr. (1825) 281; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 292.

Sarawak, *Haviland*. Malay Peninsula and Archipelago.

1. **Luisia antennifera** Blume Rumphia 4 (1848) 50 and Mus. Bot. Lugd.-Bat. 1 (1849) 64; Reichb. f. in Walp. Ann. 3 (1853) 549, 6 (1861) 619, Xen. Orch. 1 (1856) 205, t. 78, II f. 4-7; Miq. Fl. Ind. Bat. 3 (1859) 686, 741; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 292.

Dutch Borneo, *Korthals*. Malay Peninsula, Java.

2. **Luisia brachystachys** Blume Rumphia 4 (1848) 50 and Mus. Bot. Lugd.-Bat. 1 (1849) 64, Reichb. f. in Walp. Ann. 3 (1853) 549, 6 (1861) 622, Miq. Fl. Ind. Bat. 3 (1859) 686; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 292.

Borneo, fide *Blume* l.c. India to Java.

1. **Vanda dearii** Reichb. f. in Gard. Chron. II 26 (1886) 648; J. J. Sm. in Nat. Tijdschr. Nederl. Ind. 58 (1898) 164.

Borneo. Endemic.

2. **Vanda gibbsiae** Rolfe ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 158.

British North Borneo, *Gibbs 3970*, *Haslam! J. Clemens 311!* Endemic.

1. **Arachnis breviscapa** J. J. Sm. in Nat. Tijdschr. Nederl. Ind. 72 (1913) 74. *Arachnanthe breviscapa* J. J. Sm. in Bull. Dept. Agr. Ind. Neerl. 22 (1909) 48. *Vandopsis breviscapa* Schltr. in Fedde Repert. 10 (1911) 196.

Borneo, Sarawak, *Hewitt*. Endemic.

2. **Arachnis flos-aeris** (Linn.) Reichb. f. in Bot. Centralbl. 28 (1886) 343; Schltr. in Fedde Repert. 10 (1911) 196. J. J. Sm. in Nat. Tijdschr. Nederl. Ind. 72 (1913) 72. *Renanthera arachnitis* Lindl. Gen. Sp. Orch. Pl. (1833) 217; Ridl. Mater. Fl. Malay Penin. 1 (1907) 155.

Borneo, fide *Ridley* l.c. Malay Peninsula, Java.

3. **Arachnis hookeriana** Reichb. f. in Bot. Centralbl. 28 (1886) 343; Schltr. in Fedde Repert. 10 (1911) 197; J. J. Sm. in Nat. Tijdschr. Nederl. Ind. 72 (1913) 73; Rolfe in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 157. *Renanthera hookeriana* Reichb. f. Xen. Orch. 2 (1862) 42, t. 113, II f. 8, 9. *Arachnanthe alba* Ridl. in Trans. Linn. Soc. Bot. 3 (1893) 369. *Arachnis alba* Schltr. in Fedde Repert. 10 (1911) 197. *Vanda hookeriana* Reichb.

f. in Bonpl. 4 (1856) 324; Gard. Chron. II 18 (1882) 488; Kew Bull. Add. Series 4 (1900) 398; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 294; Rendle in Journ. Bot. 39 (1901) 176.

Labuan, *Low*; British North Borneo, *Gibbs 3004*; Sarawak, *Hose 366*. Malay Peninsula.

4. **Arachnis lowei** (Lindl.) Reichb. f. in Bot. Centralbl. 28 (1886) 344; J. J. Sm. in Nat. Tijdschr. Nederl. Ind. 72 (1913) 73 (as *A. lowii*). *Vanda lowei* Lindl. in Gard. Chron. (1847) 239; Miq. Fl. Ind. Bat. 3 (1859) 681. *Arachnanthe lowei* Benth. and Hook. f. ex Jackson in Index Kewensis I (1895) 170. *Renanthera lowei* Reichb. f. Xen. Orch. 1 (1855) 89 and in Walp. Ann. 6 (1861) 878; Batem. Second Cent Orch. Pl. (1867) t. 161 (as *R. lowei*); Hook. f. in Curtis's Bot. Mag. III 20 (1864) t. 5475 (as *R. lowii*); Sander in Reichenbachia 2 (1890) 49, t. 71 (as *R. lowii*); Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 294. *Vandopsis lowii* Schltr. in Fedde Repert. 10 (1912) 196.

Borneo, *Low*.

Var. **rohaniana** (Reichb. f.) J. J. Sm. in Nat. Tijdschr. Nederl. Ind. 72 (1913) 73. *Renanthera rohaniana* Reichb. f. Xen. Orch. 1 (1855) 89; Miq. Fl. Ind. Bat. 3 (1859) 744.

Borneo, *Hope*. Endemic.

1. **Renanthera elongata** Lindl. Gen. Sp. Orch. Pl. (1833) 218; Ridl. Mater. Fl. Malay Penin. 1 (1907) 156.

Borneo, fide *Ridley* l.c. Malay Peninsula, Java.

2. **Renanthera trichoglottis** Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 293.

Sarawak, *Haviland*. Endemic.

1. **Ascocentrum ? hendersonianum** (Reichb. f.) Schltr. Die Orchideen (1915) 576. *Saccolobium hendersonianum* Reichb. f. in Gard. Chron. II 4 (1875) 356; Hook. f. in Curtis Bot. Mag. III 32 (1876) t. 6222.

Dutch Borneo: Introduced into cultivation from Borneo. Endemic.

1. **Trichoglottis bipenicillata** J. J. Sm. in Ic. Bogor. 2 (1903) 125, t. 125 A.

Dutch Borneo, *Hallier*. Endemic.

2. **Trichoglottis calcarata** Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 292.

Sarawak, *Haviland*. Endemic.

3. **Trichoglottis celebica** Rolfe in Kew Bull. (1899) 130.

Dutch Borneo, *Nieuwenhuis*. Celebes.

4. *Trichoglottis kinabaluensis* Rolfe in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 157.
British North Borneo, *Gibbs 3993*. Endemic.
5. *Trichoglottis pantherina* J. J. Sm. in Ic. Bogor. 2 (1903) 123, t. 124 B.
Dutch Borneo, *Nieuwenhuis*. Endemic.
6. *Trichoglottis punctata* Ridl. in Journ. Str. Branch Roy. As. Soc. 49 (1908) 37.
Sarawak, *Hewitt*. Endemic.
7. *Trichoglottis retusa* Blume Bijdr. (1825) 360; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 292.
Sarawak, *Haviland*. Siam and Cochinchina to Java and the Philippines.
8. *Trichoglottis uexkulliana* J. J. Sm. in Ic. Bogor. 3 (1906) t. 223.
Borneo, fide *Smith* l.c. Endemic.
9. *Trichoglottis valida* Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 192.
Sarawak, *Micholitz*. Endemic.
10. *Trichoglottis vandiflorum* J. J. Sm. in Bull. Dept. Agr. Neerl. Ind. 22 (1909) 49.
Dutch Borneo, *Jaheri*. Endemic.
11. *Trichoglottis winkleri* J. J. Sm. in Winkler in Engl. Bot. Jahrb. 48 (1912) 105.
Dutch Borneo, *Winkler 2796*. Endemic.
1. *Schoenorchis micrantha* Blume Bijdr. (1825) 362. *Saccolabium perpusillum* Hook. f. Fl. Brit. Ind. 6 (1890) 56.
Sarawak, *Hose 33!* Malay Peninsula, Java.
2. *Schoenorchis paniculata* Blume Bijdr. (1825) 362; J. J. Sm. in Nat. Tijdschr. Nederl. Ind. 72 (1913) 101.
Borneo, fide *Smith* l.c. Java.
1. **Saccolabium adenoncoides* Ridl. in Journ. Str. Branch Roy. As. Soc. 54 (1910) 53.
Sarawak, *Hewitt*. Endemic.
2. *Saccolabium angraecoides* Schltr. in Bull. Herb. Boiss. II 6 (1906) 472.
Borneo, *Schlechter 13468*. Endemic.

**Saccolabium* as at present understood is a small genus. The species here allowed to remain in it are referable to other genera, and should be closely studied for final distribution.

3. **Saccolabium aureum** Ridl. in Journ. Str. Branch Roy. As. Soc. 49 (1908) 35.
Sarawak, *Hewitt*. Endemic.
4. **Saccolabium bicure** Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1908) 35.
Sarawak, *Ridley*. Endemic.
5. **Saccolabium brachystachys** Ridl. in Journ. Str. Branch Roy. As. Soc. 49 (1908) 36.
Sarawak, *Ridley*. Endemic.
6. **Saccolabium fimbriatum** Ridl. in Journ. Str. Branch Roy. As. Soc. 54 (1910) 52.
Sarawak, *Hewitt* 104. Endemic.
7. **Saccolabium glomeratum** Rolfe in Kew Bull. (1913) 342.
Introduced into cultivation from Borneo. Endemic.
8. **Saccolabium kinabaluense** Rolfe in Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 158.
British North Borneo, *Gibbs* 4111. Endemic.
9. **Saccolabium laxum** Ridl. in Journ. Str. Branch Roy. As. Soc. 50 (1908) 140.
Sarawak, *Hewitt*. From the author's remarks this species may be a member of *Sarcanthus*.
10. **Saccolabium odoratissimum** Ridl. in Sarawak Mus. Journ. 1 (1912) 37.
Borneo, fide *Ridley* l.c. Endemic.
11. **Saccolabium pachyglossum** Lindl. in Journ. Linn. Soc. Bot. 3 (1859) 34; Miq. Fl. Ind. Bat. 3 (1859) 692; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 294.
Borneo, *Lobb*. Endemic.
12. **Saccolabium patinatum** Ridl. in Journ. Str. Branch Roy. As. Soc. 39 (1903) 84. *S. catinatum* Ridl. Mater. Fl. Malay Penin I (1907) 164 (typographical error?).
Borneo, fide *Ridley* l.c. Malay Peninsula.
13. **Saccolabium pinifolium** Ridl. in Journ. Str. Branch Roy. As. Soc. 50 (1908) 141.
Sarawak, *Brooks*. Endemic.
14. **Saccolabium pubescens** Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 295.
Sarawak, *Haviland*. Endemic.

15. **Saccolabium ramosum** Ridl. in Journ. Str. Branch Roy. As. Soc. 44 (1905) 190.

Sarawak, *Micholitz*. Endemic.

16. **Saccolabium secundum** (Griff.) Ridl. Mater. Fl. Malay Penin. 1 (1907) 168.

Borneo, fide *Ridley* l.c. India to Cochinchina, Malay Peninsula and Sumatra.

17. **Saccolabium strongyloides** Ridl. in Journ. Str. Branch Roy. As. Soc. 50 (1908) 141. *Sarcanthus secundus* Griff. Notul. 3 (1851) 362; Hook. f. Fl. Brit. Ind. 6 (1890) 67.

Sarawak, *Lewis, Hewitt*.

1. **Robiquetia crassa** (Ridl.) Schltr. in Fedde Repert. Beih. 1 (1913) 983. *Saccolabium crassum* Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 294.

Sarawak, *Haviland*. Endemic.

2. **Robiquetia spathulata** (Blume) J. J. Sm. in Nat. Tijdschr. Nederl. Ind. 72 (1913) 114. *Cleisostoma spathulatum* Blume Bijdr. (1825) 364. *Cleisostoma spicatum* Lindl. in Bot. Reg. 33 (1847) sub. t. 32; Bot. Zeit. 5 (1847) 586; Reichb. f. in Walp. Ann. 1 (1848) 791; Miq. Fl. Ind. Bat. 3 (1859) 682; Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 295. *Saccolabium borneense* Reichb. f. in Gard. Chron. II 15 (1881) 563; Kew Bull. Add. Series 4 (1900) 353. *Saccolabium densiflorum* Lindl. in Wall. Cat. (1832) No. 7311 *nomen nudum* and Gen. Sp. Orch. Pl. (1833) 220.

Dutch Borneo, *Winkler 2539*. Introduced into cultivation from Borneo. India to the Moluccas.

1. **Pomatocalpa hortense** (Ridl.) J. J. Sm. in Nat. Tijdschr. Nederl. Ind. 72 (1913) 194. *Saccolabium hortense* Ridl. in Journ. Str. Branch Roy. As. Soc. 39 (1903) 83.

Borneo, fide *Ridley* l.c. Malay Peninsula, Penang.

2. **Pomatocalpa kunstleri** (Hook. f.) J. J. Sm. in Nat. Tijdschr. Nederl. Ind. 72 (1913) 104. *Cleisostoma kunstleri* Hook. f. Ic. IV 4 (1894) t. 2335; J. J. Sm. Fl. Buitenz. 6 (1905) Orch. 610.

Borneo, fide *Smith*. Malay Peninsula, Java.

3. **Pomatocalpa latifolium** (Lindl.) J. J. Sm. in Nat. Tijdschr. Nederl. Ind. 72 (1913) 105. *Cleisostoma latifolium* Lindl. in Bot. Reg. 26 (1840) Misc. 60; Reichb. f. in Walp. Ann. 6 (1861) 889; Hook. f. Fl. Brit. Ind. 6 (1890) 71; J. J. Sm. Fl. Buitenz. 6 (1905) Orch. 612.

Borneo, fide *Smith*. Malay Peninsula to Java, Philippines Banca, and Sumatra.

4. **Pomatocalpa sphaerophorum** (Schltr.) J. J. Sm. in Nat. Tijdschr. Nederl. Ind. 72 (1913) 106. *Saccolabium sphaerophorum* Schltr. in Bull. Herb. Boiss. II 6 (1906) 472.

Borneo, *Schlechter* 13333. Endemic.

5. **Pomatocalpa spicatum** Breda, Kuhl, et van Hass. Gen. Sp. Orch. (1827) t. 15; J. J. Sm. in Nat. Tijdschr. Nederl. Ind. 72 (1913) 107. *Cleisostoma crassum* Ridl. in Journ. Linn. Soc. Bot. 31 (1896) 295.

Borneo, fide *Ridley and Smith*. Malay Peninsula, Java.

6. **Pomatocalpa truncatum** J. J. Sm. in Nat. Tijdschr. Nederl. Ind. 72 (1913) 107. *Cleisostoma truncatum* J. J. Sm. in Bull. Jard. Bot. Buitenz. 3 (1912) 68.

Dutch Borneo, *Teysmann*. Endemic.

1. **Sarcanthus flexus** Reichb. f. in Gard. Chron. II 16 (1881) 492; Kew Bull. Add. Series 4 (1900) 356; J. J. Sm. in Nat. Tijdschr. Nederl. Ind. 72 (1913) 87.

Introduced into cultivation from Borneo. Endemic.

2. **Sarcanthus halophilus** Ridl. in Journ. Linn. Soc. Bot. 32 (1896) 367. *Saccolabium halophilum* Ridl. ex J. J. Sm. in Nat. Tijdschr. Nederl. Ind. 72 (1913) 87 in synon.

Borneo, fide *Ridley*. Malay Peninsula, Rhio, Sumatra.

3. **Sarcanthus koeteiensis** (Schltr.) J. J. Sm. in Nat. Tijdschr. Nederl. Ind. 72 (1913) 88. *Saccolobium koeteiense* Schltr. in Fedde Repert. 3 (1907) 280.

Dutch Borneo, *Schlechter* 13336. Endemic.

4. **Sarcanthus nieuwenhuisii** J. J. Sm. in Ic. Bogor. 3 (1906) 57, t. 222 and in Nat. Tijdschr. Nederl. Ind. 72 (1913) 90.

Dutch Borneo, *Nieuwenhuis*. Endemic.

5. **Sarcanthus potamophilus** Schltr. in Fedde Repert. 3 (1907) 279; J. J. Sm. in Nat. Tijdschr. Nederl. Ind. 72 (1913) 91.

Dutch Borneo, *Schlechter* 13518. Endemic.

6. **Sarcanthus ridleyi** J. J. Sm. in Nat. Tijdschr. Nederl. Ind. 72 (1913) 92. *Saccolabium laxum* Ridl. in Journ. Str. Branch Roy. As. Soc. 50 (1908) 140.

Sarawak, *Hewitt*. Endemic.

7. **Sarcanthus samarindae** (Schltr.) J. J. Sm. in Nat. Tijdschr. Nederl. Ind. 72 (1913) 93. *Saccolobium samarindae* Schltr. in Fedde Repert. 3 (1907) 280.

Dutch Borneo, *Schlechter* 13331. Endemic.

8. *Sarcanthus strongyloides* (Ridl.) J. J. Sm. in Nat. Tijdschr. Nederl. Ind. 72 (1913) 94. *Saccolabium strongyloides* Ridl. in Journ. Str. Branch Roy. As. Soc. 50 (1908) 141.

Sarawak, *Lewis*. Endemic.

9. *Sarcanthus subulatus* (Blume) Reichb. f. in Bonpl. 5 (1857) 41; J. J. Sm. in Winkler in Engl. Bot. Jahrb. 48 (1912) 105. *Cleisostoma subulata* Blume Bijdr. (1825) 303.

Dutch Borneo, *Winkler 2274*. Assam to Java and Amboina.

10. *Sarcanthus tenuirachis* J. J. Sm. in Bull. Dept. Agr. Ind. Neerl. 22 (1909) 50 and in Nat. Tijdschr. Nederl. Ind. 72 (1913) 95.

Borneo, fide *Smith*. Endemic.

1. *Camarotis callosa* J. J. Sm. Nat. Tijdschr. Ned. Ind. 72 (1912) 97. *Cleisostoma callosum* Blume Bijdr. (1825) 364. *Sarcanthus callosus* Reichb. f. in Bonpl. 5 (1857) 41.

Borneo, fide *J. J. Smith*, Orch. Jav. Java.

1. *Taeniophyllum affine* Schltr. in Fedde Repert. 9 (1911) 294.

Sarawak, *Schlechter 15848*. Endemic.

2. *Taeniophyllum borneense* Schltr. in Bull. Herb. Boiss. II 6 (1906) 466.

Borneo, *Schlechter 13563*. Endemic.

3. *Taeniophyllum filiforme* J. J. Sm. in Bull. Inst. Bot. Buitenz. 7 (1900) 4.

Borneo, fide *J. J. Smith*. Java, Sumatra.

4. *Taeniophyllum gracillimum* Schltr. in Bull. Herb. Boiss. II 6 (1906) 466.

Borneo, *Schlechter 13556*. Endemic.

Dicotyledoneae.

Casuarinaceae.

1. *Casuarina equisetifolia* Linn. Amoen. Acad. 4 (1759) 143; Miq. in DC. Prodr. 16'2 (1868) 339; Becc. Nelle Foreste di Borneo (1902) 583.

Sarawak, *Beccari, Foxworthy 181!*, *Native collector 1622!* *Bur. Sci., Sarawak Museum 144!* India to Malaya, Australia, and Polynesia; now commonly cultivated in other tropical countries.

2. *Casuarina nodiflora* Forst. var. *robusta* Miq. in DC. Prodr. 16'2 (1868) 342; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 404.

Dutch Borneo, *De Vriese*; Sarawak, *Native collector 724!* *Bur. Sci.* (sterile). The species in Polynesia.

3. *Casuarina sumatrana* Jungh. in Hoev. and De Vriese *Tijdschr. Nat. Gesch.* **11** (1844) 115; Miq. in DC. *Prodr.* **16**|2 (1868) 341; Becc. *Nelle Foreste di Borneo* (1902) 583; Winkler in *Engl. Bot. Jahrb.* **49** (1913) 352.

Sarawak, *Beccari 2462!*, *Foxworthy 149!*; Dutch Borneo, *Teysmann!* *Winkler 3058, Korthals*; British North Borneo, *Clemens 9505!*, *Foxworthy 593!* Burma to Sumatra, Java, Palawan and Mindanao. A sterile specimen from Mount Kinabalu, *Clemens 10880*, may prove to be *Casuarina rumphiana* Miq.

Piperaceae.

1. *Peperomia candida* Miq. *Syst. Piper* (1843) 105, *Fl. Ind. Bat.* **1**|2 (1858-59) 432, *Ann. Mus. Bot. Lugd.-Bat.* **1** (1863-64) 135; Stapf in *Trans. Linn. Soc. Bot.* **4** (1894) 217; C. DC. *Prodr.* **16**|1 (1869) 419; Boerl. *Handl. Fl. Nederl. Ind.* **3** (1900) 76.

Dutch Borneo, *Korthals*; British North Borneo, *Haviland 1220*. Java, Sumatra.

2. *Peperomia decumbens* C. DC. ex Gibbs in *Journ. Linn. Soc. Bot.* **42** (1914) 128.

British North Borneo, *Gibbs 4125, Haslam!*, *Clemens 10385!* Endemic.

3. *Peperomia parvibacca* C. DC. ex Winkler in *Engl. Bot. Jahrb.* **49** (1913) 356.

Dutch Borneo, *Winkler 2806*. Endemic.

4. *Peperomia pellucida* H.B.K. *Nov. Gen. Sp. Pl.* **1** (1816) 61; C. DC. ex Winkler in *Engl. Bot. Jahrb.* **49** (1913) 356.

Dutch Borneo, *Winkler*; British North Borneo, *Clemens 9554!*, *9625!* A native of tropical America, now in all tropical countries.

5. *Peperomia recurvata* Miq. *Syst. Piper.* (1843) 141, *Ann. Mus. Bot. Lugd.-Bat.* **1** (1863-64) 135; C. DC. *Prodr.* **16**|1 (1869) 440 (var. *minor* C. DC.)

Dutch Borneo, *Korthals*. Java.

6. *Peperomia reinwardtiana* Miq. *Syst. Piper.* (1843) 141; C. DC. in DC. *Prodr.* **16**|1 (1869) 447.

Borneo, fide *Miquel*. Java.

1. *Piper amphibracteam* C. DC. ex Gibbs in *Journ. Linn. Soc. Bot.* **42** (1914) 128.

British North Borneo, *Gibbs 4126, 4130*. Endemic.

2. **Piper anisotrichum** C. DC. ex Winkler in Engl. Bot. Jahrb. 49 (1913) 353.

Dutch Borneo, *Winkler 2780*. Endemic.

3. **Piper arborescens** Roxb. Hort. Beng. (1814) 80, Fl. Ind. 1 (1820) 161; C. DC. Prodr. 16|1 (1869) 358; Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 137; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 75. *Piper miniatum* Blume in Verh. Bat. Genoots. 11 (1826) 166; C. DC. Prodr. 16|1 (1869) 354; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 74. *Chavica miniata* Miq. Syst. Pip. (1843) 234, Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 136.

Labuan, *Motley*; Dutch Borneo, *Korthals*; Sarawak, *Foxworthy 479!*, *Native collector 283!* *Bur. Sci.* Malay Peninsula to the Philippines and the Moluccas.

4. **Piper arcuatum** Blume in Verh. Bat. Genoots. 11 (1826) 180, t. 11; Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 137; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 75; C. DC. Prodr. 16|1 (1869) 360.

Dutch Borneo, *Korthals*. Ceylon to southern China and Malaya.

5. **Piper argyroneurum** Hallier f. in Ann. Jard. Bot. Buitenz. 13 (1896) 297, t. 27, f. 1 a-b; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 75.

Dutch Borneo, *Hallier*. Endemic.

6. **Piper baccatum** Blume in Verh. Bat. Genoots. 11 (1826) 172, t. 3, f. 9; C. DC. Prodr. 16|1 (1869) 241; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 72; C. DC. ex Winkler in Engl. Bot. Jahrb. 49 (1913) 356. *Muldera baccata* Miq. Syst. Pip. (1843) 341, Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 137.

Dutch Borneo, *Korthals*. Java, Philippines.

7. **Piper betle** Linn. Sp. Pl. (1753) 28; C. DC. Prodr. 16|1 (1869) 259; Becc. Nelle Foreste di Borneo (1902) 597. *Chavica betle* Miq. Syst. Pip. (1843) 228, Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 136.

Dutch Borneo, *Korthals*; Sarawak, *Beccari*.

Var. **densum** C. DC. Prodr. 16|1 (1869) 360. *Chavica densa* Miq. Fl. Ind. Bat. 1 2 (1858-59) 443, Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 136.

Dutch Borneo, *Korthals*.

Var. **siriboa** (Linn.) C. DC. Prodr. 16|1 (1869) 359; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 127.

British North Borneo, *Gibbs 2847*. Cultivated throughout the Indo-Malayan region.

8. **Piper borneense** N. E. Br. in Gard. Chron. II 17 (1882) 108; Kew Bull. Add. Series 4 (1900) 326.

Introduced into cultivation from Borneo. Endemic.

9. **Piper caninum** Blume in Verh. Bat. Genoots. 11 (1826) 214; C. DC. Prodr. 16|1 (1869) 341, and ex Winkler in Engl. Bot. Jahrb. 49 (1913) 355; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 72. *Cubeba canina* Miq. Fl. Ind. Bat. 1|2 (1858-59) 449, Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 137.

Borneo, *Motley 13, 835*; Dutch Borneo, *Winkler 2690, 2910, 3476*. Malay Peninsula and Archipelago, to the Philippines.

10. **Piper celebicum** Blume in Verh. Bat. Genoots. 11 (1826) 157; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 73.

Borneo, fide *Boerlage l.c.* Java, Celebes.

11. **Piper chaba** Blume in Verh. Bat. Genoots. 11 (1826) 168; C. DC. Prodr. 16|1 (1869) 347. *Chavica chaba* Miq. Fl. Ind. Bat. 1|2 (1858-59) 438, Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 136.

Dutch Borneo, *Korthals*. Widely distributed in Malaya and the Philippines.

12. **Piper cubeba** Linn. f. Suppl. (1781) 90; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 72. *Cubeba officinalis* Rafin. Sylva Tellur. (1836) 84; Miq. Fl. Ind. Bat. 1|2 (1858-59) 448, Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 136.

Dutch Borneo, *Henrici*. Malaya.

13. **Piper elatostema** Hallier f. in Ann. Jard. Bot. Buitenz. 13 (1896) 295, t. 26, f. 3, and Bull. Herb. Boiss. 6 (1898) 816.

Dutch Borneo, *Hallier*. Endemic.

14. **Piper lutescens** C. DC. ex Winkler in Engl. Bot. Jahrb. 49 (1913) 355.

Dutch Borneo, *Winkler 2620*. Endemic.

15. **Piper majusculum** Blume in Verh. Bat. Genoots. 11 (1826) 210; C. DC. Prodr. 16|1 (1869) 350. *Chavica majuscula* Miq. Fl. Ind. Bat. 1|2 (1858-59) 345, Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 136.

Dutch Borneo, *Korthals*. Java, Sumatra.

16. **Piper malamiri** Blume in Verh. Bat. Genoots. 11 (1826) 203, f. 22, var **cordatum** C. DC. Prodr. 16|1 (1869) 348. *Chavica blumei* Miq. Syst. Pip. (1843) 246, Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 136.

Dutch Borneo, *Korthals*.

Var. **hirtellum** C. DC. l.c.

Dutch Borneo, *Korthals*. Java.

17. **Piper metallicum** Hallier f. in Ann. Jard. Bot. Buitenz. 13 (1896) 297, t. 25, f. 1; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 76.

Borneo, fide *Hallier* l.c. This is perhaps the same as *Piper metallicum* Lind. Cat. (1882) 6, ex Kew Bull. Add. Series 4 (1900) 326, which was introduced into cultivation from Borneo. Endemic.

18. **Piper muricatum** Blume Cat. Gew. Buitenz. (1823) 33; Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 137; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 73.

Dutch Borneo, *Korthals*. Java, Sumatra.

19. **Piper nigrum** Linn. Sp. Pl. (1753) 28; Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 137; C. DC. Prodr. 16|1 (1869) 363; Becc. Nelle Foreste di Borneo (1902) 597.

The common black pepper plant, extensively cultivated in parts of Borneo; Dutch Borneo, *Korthals*; Sarawak, *Beccari*, *Foxworthy*!

20. **Piper perbarbatum** C. DC. ex Winkler in Engl. Bot. Jahrb. 49 (1913) 345.

Dutch Borneo, *Winkler 3017*. Endemic.

21. **Piper porphyrophyllum** (Lindl.) N. E. Br. in Gard. Chron. II 22 (1884) 438; Hallier f. in Ann. Jard. Bot. Buitenz. 13 (1896) 299.

Dutch Borneo, *Hallier*. Malay Peninsula, Penang.

22. **Piper pubipedunculum** C. DC. ex Winkler in Engl. Bot. Jahrb. 49 (1913) 354.

Dutch Borneo, *Winkler 2689*.

Var. **oblongifolium** C. DC. l.c.

Dutch Borneo, *Winkler 2832*. Endemic.

23. **Piper retrofractum** Vahl Enum. 1 (1804) 314; C. DC. ex Winkler in Engl. Bot. Jahrb. 49 (1913) 353. *Chavica officinarum* Miq. Syst. Pip. (1844) 256, Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 136.

Dutch Borneo, *Korthals*, *Winkler 2176*. India to Malaya and the Philippines.

24. **Piper sarmentosum** Roxb. Fl. Ind. 1 (1820) 162, C. DC. Prodr. 16|1 (1869) 352 and ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 128. *Chavica sarmentosa* Miq.; Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 136.

Dutch Borneo, *Korthals*; British North Borneo, *Gibbs 2640*. India to southern China and Malaya. *Cubeba ? segetum* Miq. Syst. Pip. (1843) 304, Fl. Ind. Bat. 1|2 (1858-59) 451, Dutch Borneo, *Korthals*, is of entirely doubtful status.

25. *Piper stylosum* Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 139; C. DC. ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 128.

British North Borneo, *Gibbs 2887*. Malay Peninsula, Sumatra.

26. *Piper subpeltatum* Willd. Sp. Pl. 1 (1798) 166; C. DC. Prodr. 16|1 (1869) 333. *Heckeria subpeltata* Kunth; C. DC. ex Winkler in Engl. Bot. Jahrb. 49 (1913) 352.

Borneo, *Motley 605*; Dutch Borneo, *Winkler 2658*; British North Borneo, *Topping 1521!*; Sarawak, *Sarawak Museum P. 104!* India to tropical Africa, Malaya, and the Philippines.

27. *Piper tjambai* C. DC. ex Winkler in Engl. Bot. Jahrb. 49 (1913) 355.

Dutch Borneo, *Winkler 2912*. Endemic.

28. *Piper vestitum* C. DC. in Journ. Bot. 4 (1866) 166, Prodr. 16|1 (1869) 341.

Borneo, *Lobb*. Endemic.

29. *Piper winkleri* C. DC. ex Winkler in Engl. Bot. Jahrb. 49 (1913) 352.

Dutch Borneo, *Winkler 3018*. Endemic.

1. *Zippelia begoniifolia* Blume in Schultes f. Syst. Veg. 7 (1830) 1651; C. DC. ex Winkler in Engl. Bot. Jahrb. 49 (1913) 352.

Dutch Borneo, *Winkler 2743!* Indo-China, Sulu Archipelago, Java.

Chloranthaceae.

1. *Chloranthus brachystachys* Blume Fl. Jav. Chloranth. (1828) 13, t. 2; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 217; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 129.

British North Borneo, *Gibbs 4122 Haviland. 1205, Clemens 10081!* India to Japan and Malaya.

2. *Chloranthus officinalis* Blume Enum. Pl. Jav. (1827) 79; Winkler in Engl. Bot. Jahrb. 49 (1913) 356; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 129.

Dutch Borneo, *Winkler 2688, Schlechter 13392*; British North Borneo, *Gibbs 2846, Clemens 9951!*; Sarawak, *Hose 389!*, *Native collector 1764!*, *2537!* *Bur. Sci.* Andaman Islands to southern China south to New Guinea.

Myricaceae.

1. *Myrica esculenta* Ham. var. *missionis* Chev. Monogr. Myric. (1901) 126. *Myrica missionis* Wall. Cat. (1832) No. 7297; C. DC. Prodr. 16|2 (1864) 152.

Borneo, *Motley* 502.

Var. *farquhariana* (Wall.) Chev. Monogr. Myric. (1901) 125.

Sarawak, *Foxworthy* 186!

Var. *lobbii* (Teysm. and Bin.) Chev. Monogr. Myric. (1901) 127.

Sarawak, *Beccari* 3096.

Var. *sapida* (Wall.) Chev. Monogr. Myric. (1901) 122.

Borneo, *Motley*. India to the Malay Peninsula, Java and the Philippines.

2. *Myrica javanica* Blume Bijdr. (1825) 517; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 231.

British North Borneo, *Low*, *Haviland* 1091. Java and the Philippines.

Juglandaceae.

1. *Englehardtia spicata* Blume Bijdr. (1825) 528; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 384.

Borneo, fide *Boerlage* l.c. (var. *acerifolia* Koord. and Val.). India to Java and the Philippines.

Fagaceae.

1. *Castanopsis argentea* A. DC. in Journ. Bot. 1 (1863) 182, Prodr. 16|2 (1864) 112; King in Ann. Bot. Gard. Calcutta 2 (1889) 98, t. 89; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 396.

Borneo, fide *King* and *Boerlage* l.c. Burma to Malaya.

2. *Castanopsis borneensis* King in Ann. Bot. Gard. Calcutta 2 (1889) 99, t. 90; Becc. Nelle Foreste di Borneo (1902) 604.

Sarawak, *Beccari* 1212, 3078. Endemic.

3. *Castanopsis brevispina* Schottky ex Winkler in Engl. Bot. Jahrb. 49 (1913) 358.

Sarawak, *Foxworthy* 156! Endemic.

4. *Castanopsis costata* Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 120, 221; A. DC. Prodr. 16|2 (1864) 110.

Dutch Borneo, *De Vriese*. Malay Peninsula, Sumatra, Banca, Java.

5. *Castanopsis foxworthyi* Schottky ex Winkler in Engl. Bot. Jahrb. 49 (1913) 358.

Sarawak, *Foxworthy 214!* Endemic.

6. *Castanopsis hullettii* King in Hook. f. Fl. Brit. Ind. 5 (1888) 623; Schottky ex Winkler in Engl. Bot. Jahrb. 49 (1913) 358.

Dutch Borneo, *Winkler 2406*. Malay Peninsula.

7. *Castanopsis javanica* A. DC. in Journ. Bot. 1 (1863) 182, Prodr. 16|2 (1864) 111; King in Ann. Bot. Gard. Calcutta 2 (1889) 97, t. 88.

Borneo, fide *King* l.c.; British North Borneo, *Clemens 10267!* 10776! Burma and the Malay Peninsula to Sumatra, Java and the Philippines.

8. *Castanopsis motleyana* (*mottleyana*) King in Ann. Bot. Gard. Calcutta 2 (1889) 96, t. 86; Von Seem. in Bull. Dept. Agr. Ind. Neerl. 1 (1906) 12.

Sarawak, *Beccari 2613, Foxworthy!*; Dutch Borneo, *Nieuwenhuis 684*. Endemic.

9. *Castanopsis sumatrana* A. DC. in Journ. Bot. 1 (1863) 182, Prodr. 16|2 (1864) 113; King in Ann. Bot. Gard. Calcutta 2 (1889) 103, t. 97.

Borneo, fide *King* l.c. Burma to Sumatra, Java, and the Philippines.

10. *Castanopsis tungurrut* (Blume) A. DC. in Journ. Bot. 1 (1863) 182; Schottky ex Winkler in Engl. Bot. Jahrb. 49 (1913) 358.

Dutch Borneo, *Winkler 3329, 3329a*. Java.

11. *Castanopsis turbinata* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 232.

British North Borneo, *Haviland 1102*. Endemic.

1. *Quercus argentata* Korth. Verh. Nat. Gesch. Bot. (1839-42) 215, t. 47; Blume Mus. Bot. Lugd.-Bat. 1 (1850) 299; Miq. Fl. Ind. Bat. 1|1 (1856-57) 858; Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 221; A. DC. Prodr. 16|2 (1864) 91; Von Seem. in Bull. Dept. Agr. Ind. Neerl. 1 (1906) 3.

Dutch Borneo, *Korthals* (var. *concolor* Blume l.c.), *Hallier 2864, 3349, De Vriese*. Sumatra, Malay Peninsula.

2. *Quercus beccariana* Benth. in Hook. Ic. III 4 (1880) 10, t. 1315; King in Ann. Bot. Gard. Calcutta 2 (1889) 83, t. 78; Von Seem. in Bull. Dept. Agr. Ind. Neerl. 1 (1906) 12. *Pasania beccariana* Gamble in Journ. As. Soc. Beng. 75|4 (1915) 452. *Synaedrys beccariana* Koidz. in Bot. Mag. Tokyo 30 (1916) 188.

Sarawak, *Beccari 3310*, British North Borneo, *Clemens 10384!* 10734! Penang, Singapore.

3. *Quercus bennettii* Miq. Fl. Ind. Bat. 1|1 (1857) 857; Wenzig in Jahrb. Bot. Gard. Berlin 4 (1886) 235; King in Ann. Bot. Gard. Calcutta 2 (1889) 64, t. 58 A; Von Seem. in Bull. Dept. Agr. Ind. Neerl. 1 (1906) 9. *Pasania bennettii* Gamble in Journ. As. Soc. Beng. 75|4 (1915) 433. *Synaedrys bennettii* Koidz. in Bot. Mag. Tokyo 30 (1916) 190.

Sarawak, *Beccari* 2266, 2514; Dutch Borneo, *Hallier* 3181, *Teysmann*. Malay Peninsula, Sumatra, Banca, Philippines.

4. *Quercus blumeana* Korth. Verh. Nat. Gesch. Bot. (1839-42) 208, t. 44; Blume Mus. Bot. Lugd.-Bat. 1 (1850) 288; Miq. Fl. Ind. Bat. 1 (1855-58) 863, Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 116; A. DC. Prodr. 16|2 (1864) 103; Wenzig in Jahrb. Bot. Gart. Berlin 4 (1886) 237; King in Ann. Bot. Gard. Calcutta 2 (1889) 75, t. 69 B. *Pasania blumeana* Gamble in Journ. As. Soc. Beng. 75|4 (1915) 445. *Synaedrys blumeana* Koidz. in Bot. Mag. Tokyo 30 (1916) 186.

Dutch Borneo, *Korthals*. Malay Peninsula, Sumatra, Java.

5. *Quercus conocarpa* Oudem. in Versl. en Mededeel. 12 (1865) 206, Annot. Crit. Cupulif. Jav. (1865) 18, t. 10; Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 113; A. DC. Prodr. 16|2 (1864) 93; King in Ann. Bot. Gard. Calcutta 2 (1889) 61, t. 56 A; Von Seem. in Bull. Dept. Agr. Ind. Neerl. 1 (1906) 8. *Pasania conocarpa* Schottky in Engl. Bot. Jahrb. 49 (1913) 357. *Synaedrys conocarpa* Koidz. in Bot. Mag. Tokyo 30 (1916) 191.

Dutch Borneo, *Hallier* 2518; Sarawak, *Beccari* 12, 1207, 1710. British North Borneo, *Clemens* 10950!, 10875! Malay Peninsula, Sumatra, Java.

6. *Quercus cyclophora* Endl. Gen. Pl. 4 (1847) Suppl. 28; Von Seem. in Bull. Dept. Agr. Ind. Neerl. 1 (1906) 10. *Pasania cyclophora* Gamble in Journ. As. Soc. Beng. 75|4 (1915) 442. *Synaedrys cyclophora* Koidz. in Bot. Mag. Tokyo 30 (1916) 191.

Dutch Borneo, *Hallier* 2886. Penang, Malay Peninsula.

7. *Quercus cyrtoryncha* Miq. Fl. Ind. Bat. Suppl. (1860-62) 350; King in Ann. Bot. Gard. Calcutta 2 (1889) 66, t. 60 B; Von Seem. in Bull. Dept. Agr. Ind. Neerl. 1 (1906) 9. *Pasania cyrtoryncha* Gamble in Journ. As. Soc. Beng. 75|4 (1915) 432. *Synaedrys cyrtoryncha* Koidz. in Bot. Mag. Tokyo 30 (1916) 191.

Dutch Borneo, *Hallier* 806; Sarawak, *Beccari* 2168, 2880, 4031. Malay Peninsula, Sumatra, Mindanao.

8. *Quercus daphnoidea* Blume Fl. Jav. Cupulif. (1828) 28, Dutch Borneo, *Hallier* 3298. Java. *Synaedrys daphnoidea* Koidz. in Bot. Mag. Tokyo 30 (1916) 191. t. 16; Von Seem. in Bull. Dept. Agr. Ind. Neerl. 1 (1906) 8.

9. **Quercus dasystachya** Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 221; King in Ann. Bot. Gard. Calcutta 2 (1889) 53, t. 45 B; Von Seem. in Bull. Dept. Agr. Ind. Neerl. 1 (1906) 7. *Pasania dasystachya* Schottky ex Winkler in Engl. Bot. Jahrb. 49 (1913) 356. *Synaedrys dasystachya* Koidz. in Bot. Mag. Tokyo 30 (1916) 194.

Dutch Borneo, *Hallier 1486, De Vriese, Winkler 3110*; Sarawak, *Foxworthy 150!*, *Beccari*. Endemic.

10. **Quercus discocarpa** Hance in Journ. Bot. 12 (1874) 242; Von Seem. in Bull. Dept. Agr. Ind. Neerl. 1 (1906) 11. *Pasania discocarpa* Gamble in Journ. As. Soc. Beng. 75|4 (1915) 447. *Synaedrys discocarpa* Koidz. in Bot. Mag. Tokyo 30 (1916) 186.

Dutch Borneo, *Hallier 2098*. Sumatra, Banca, Malay Peninsula.

11. **Quercus ewyckii** Korth. in Verh. Nat. Gesch. Bot. (1839-42) 212, t. 46; Von Seem. in Bull. Dept. Agr. Ind. Neerl. 1 (1906) 9. *Pasania ewyckii* Gamble in Journ. As. Soc. Beng. 75|4 (1915) 431. *Synaedrys ewyckii* Koidz. in Bot. Mag. Tokyo 30 (1916) 191.

Dutch Borneo, *Hallier 3019*. Sumatra, Malay Peninsula.

12. **Quercus gracilis** Korth. Verh. Nat. Gesch. Bot. (1839-42) 207; Blume Mus. Bot. Lugd.-Bat. 1 (1850) 301; Miq. Fl. Ind. Bat. 1|1 (1856-57) 861, Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 113; A. DC. Prodr. 16|2 (1864) 93; King in Ann. Bot. Gard. Calcutta 2 (1889) 88.

Dutch Borneo, *Korthals*. Endemic.

13. **Quercus hallieri** Von Seem. in Bull. Dept. Agr. Ind. Neerl. 1 (1906) 11, Fedde Repert. 3 (1906) 175. *Synaedrys hallieri* Koidz. in Bot. Mag. Tokyo 30 (1916) 189.

Dutch Borneo, *Hallier 2655*. Endemic.

14. **Quercus havilandii** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 231, t. 18, f. A 1-4; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 146.

British North Borneo, *Haviland, Gibbs 4264*. Endemic.

15. **Quercus hystrix** Korth. Verh. Nat. Gesch. Bot. (1839-42) 200; Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 108. *Quercus korthalsii* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 292; Walp. Ann. 3 (1852-53) 383; A. DC. Prodr. 16|2 (1864) 89. *Synaedrys hystrix* Koidz. in Bot. Mag. Tokyo 30 (1916) 195.

Dutch Borneo, *Korthals*.

Var. **mappacea** (Korth.) *Quercus mappacea* Korth. Verh. Nat. Gesch. Bot. (1839-42) 202; Miq. Fl. Ind. Bat. 1|1 (1857) 850.

Quercus korthalsii Blume var. *mappacea* A. DC. Prodr. 16|2 (1864) 90.

Dutch Borneo, *Korthals*. Java, Sumatra, Malay Peninsula.

16. *Quercus kunstleri* King in Hook. f. Fl. Brit. Ind. 5 (1888) 606, Ann. Bot. Gard. Calcutta 2 (1889) 40, t. 31; Von Seem. in Bull. Dept. Agr. Ind. Neerl. 1 (1906) 4. *Synaedrys kunstleri* Koidz. in Bot. Mag. Tokyo 30 (1916) 196.

Dutch Borneo, *Hallier* 3383. Malay Peninsula.

17. *Quercus lamponga* Miq. Fl. Ind. Bat. Suppl. (1860-62) 347; King in Ann. Bot. Gard. Calcutta 2 (1889) 53, t. 49. *Pasania lamponga* Gamble in Journ. As. Soc. Beng. 75|4 (1915) 423. *Synaedrys lamponga* Koidz. in Bot. Mag. Tokyo 30 (1916) 196.

Sarawak, *Beccari* 3012. Malay Peninsula, Sumatra, Banca, New Guinea.

18. *Quercus leptogyne* Korth. Verh. Nat. Gesch. Bot. (1839-42) 206; Blume Mus. Bot. Lugd.-Bat. 1 (1850) 301; Miq. Fl. Ind. Bat. 1|1 (1856-57) 861; Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 108; A. DC. Prodr. 16|2 (1864) 93; King in Ann. Bot. Gard. Calcutta 2 (1889) 89.

Dutch Borneo, *Korthals*. Endemic.

19. *Quercus lowii* King in Ann. Bot. Gard. Calcutta 2 (1889) 28, t. 21 B.

British North Borneo, *Low*. Endemic. *Quercus monticola* King was credited to Borneo on the basis of a specimen collected by Low; the specimen is *Myrica javanica* Blume, according to Stapf in Trans. Linn. Soc. Bot. 4 (1894) 231.

20. *Quercus nieuwenhuisii* Von Seem. in Bull. Dept. Agr. Ind. Neerl. 1 (1906) 6, Fedde Repert. 3 (1906) 174. *Synaedrys nieuwenhuisii* Koidz. in Bot. Mag. Tokyo 30 (1916) 197.

Dutch Borneo, *Jaheri* 1546. Endemic.

21. *Quercus nivea* King in Ann. Bot. Gard. Calcutta 2 (1889) 31, t. 24 B.

Sarawak, *Beccari* 2243, 2551. Endemic.

22. *Quercus ochracea* (Schottky) comb. nov. *Pasania ochracea* Schottky ex Winkler in Engl. Bot. Jahrb. 49 (1913) 357.

Sarawak, *Foxworthy* 258!, 259! Endemic.

23. *Quercus oidocarpa* Korth. Verh. Nat. Gesch. Bot. (1839-42) 216, t. 47, f. 18; King in Ann. Bot. Gard. Calcutta 2 (1889) 28, t. 21 A.

Sarawak, *Beccari* 1876, 2919. Burma, Malay Peninsula, Sumatra.

24. **Quercus poculiformis** Von Seem. in Engl. Bot. Jahrb. 27 (1900) Beibl. 64: 13, Bull. Dept. Agr. Ind. Neerl. 1 (1906) 9. *Synaedrys poculiformis* Koidz. in Bot. Mag. Tokyo 30 (1916) 192.

Dutch Borneo, *Teysmann* 8355. Banca

25. **Quercus pseudo-molucca** Blume in Verh. Bat. Genoots. 2 (1825) 214, t. 4; King in Ann. Bot. Gard. Calcutta 2 (1889) 43, t. 36. *Pasania pseudo-molucca* Oerst.; Schottky ex Winkler in Engl. Bot. Jahrb. 49 (1913) 357.

Sarawak, *Foxworthy* 60!, 161! Sumatra, Java, Celebes.

26. **Quercus pulchra** King in Ann. Bot. Gard. Calcutta 2 (1889) 85, t. 81; Von Seem. in Bull. Dept. Agr. Ind. Neerl. 1 (1906) 12. *Synaedrys pulchra* Koidz. in Bot. Mag. Tokyo 30 (1916) 189.

Sarawak, *Beccari* 2100, 3123, 3169; Dutch Borneo, *Hallier* 2885. Endemic.

27. **Quercus rassa** Miq. Fl. Ind. Bat. Suppl. (1860-62) 350; King in Ann. Bot. Gard. Calcutta 2 (1889) 66, t. 60 A. *Pasania rassa* Gamble in Journ. As. Soc. Beng. 75|4 (1915) 436. *Synaedrys rassa* Koidz. in Bot. Mag. Tokyo 30 (1916) 192.

Sarawak, *Beccari* 1876. Malay Peninsula, Penang, Sumatra.

28. **Quercus reflexa** King in Hook. f. Fl. Brit. Ind. 5 (1888) 616, Ann. Bot. Gard. Calcutta 2 (1889) 78, t. 72. *Synaedrys reflexa* Koidz. in Bot. Mag. Tokyo 30 (1916) 186.

Sarawak, *Beccari* 4056, 4057. Malay Peninsula, Philippines.

29. **Quercus reinwardtii** Korth. Verh. Nat. Gesch. Bot. (1839-42) 211; King in Ann. Bot. Gard. Calcutta 2 (1889) 63, t. 57 A. *Synaedrys reinwardtii* Koidz. in Bot. Mag. Tokyo 30 (1916) 192.

Dutch Borneo, *Teysmann* 11301, 11302. Sumatra.

30. **Quercus rufa** Seem. in Bull. Dept. Agr. Ind. Neerl. 1 (1906) 4, Fedde Repert. 3 (1906) 173. *Synaedrys rufa* Koidz. in Bot. Mag. Tokyo 30 (1916) 198.

Dutch Borneo, *Hallier* 2481. Endemic.

31. **Quercus sericea** Scheff. in Nat. Tijdschr. Nederl. Ind. 31 (1870) 361; King in Ann. Bot. Gard. Calcutta 2 (1889) 63, t. 57 B. *Synaedrys sericea* Koidz. in Bot. Mag. Tokyo 30 (1916) 192.

Sarawak, *Beccari* 2919. Banca.

32. **Quercus spicata** Sm. in Rees. Cyclop. 29 (1819) No. 12; Miq. Fl. Ind. Bat. 1|1 (1857) 848, Ann. Mus. Bot. Lugd.-Bat. 1

(1863-64) 106; A. DC. Prodr. 16|2 (1864) 85; Wenzig in Jahrb. Bot. Gart. Berlin 4 (1886) 224. *Synaedrys spicata* Koidz. in Bot. Mag. Tokyo 30 (1916) 198.

Var. **microcalyx** (Korth.) Miq. Fl. Ind. Bat. 1|1 (1857) 848; A. DC. Prodr. 16|2 (1864) 85; Von Seem. in Bull. Dept. Agr. Ind. Neerl. 1 (1906) 6. *Quercus microcalyx* Korth. Verh. Nat. Gesch. Bot. (1839-42) 204. *Quercus anceps* Korth l.c.

Dutch Borneo, *Korthals, Hallier 1719*; British North Borneo, *Villamil 50!*, 216!, *Agama 435!* India to Sumatra and Java.

33. **Quercus sundaica** Blume in Verh. Bat. Genoots. 9 (1825) 216; King in Ann. Bot. Gard. Calcutta 2 (1889) 51, *tt.* 47, 48; Von Seem. in Bull. Dept. Agr. Ind. Neerl. 1 (1906) 7. *Pasania sundaica* Oerst. Kjoeb. Vidensk. Meddel. (1866) 83. *Synaedrys sundaica* Koidz. in Bot. Mag. Tokyo 30 (1916) 198.

Sarawak, *Beccari 3241, 3336*; Dutch Borneo, *Teysmann 8232, Nieuwenhuis 626, 115.* Malay Peninsula, Sumatra, Java.

34. **Quercus treubiana** Von Seem. in Bull. Dept. Agr. Ind. Neerl. 1 (1906) 3, Fedde Repert. 3 (1906) 173.

Dutch Borneo, *Hallier 2915.* Endemic. *Quercus truncata* King is erroneously credited to Borneo by Koidzumi (as *Synaedrys truncata* Koidz.) in Bot. Mag. Tokyo 30 (1916) 190; it is an Indian species.

35. **Quercus wenzigiana** King in Hook. f. Fl. Brit. Ind. 5 (1888) 613, Ann. Bot. Gard. Calcutta 2 (1889) 65, *t.* 58 B; Von Seem. in Bull. Dept. Agr. Ind. Neerl. 1 (1906) 9. *Pasania wenzigiana* Gamble in Journ. As. Soc. Beng. 75|4 (1915) 435. *Synaedrys wenzigiana* Koidz. in Bot. Mag. Tokyo 30 (1916) 193.

Sarawak, *Beccari 1208, 3263*; Dutch Borneo, *Hallier 2322.* Malay Peninsula, Penang.

36. **Quercus wilhelminae** Von Seem. in Bull. Dept. Agr. Ind. Neerl. 1 (1906) 9, Fedde Repert. 3 (1906) 175.

Dutch Borneo, *Hallier 2628.* Endemic.

37. **Quercus winkleriana** (Schottky) comb. nov. *Pasania winkleriana* Schottky ex Winkler in Engl. Bot. Jahrb. 49 (1913) 357.

Sarawak, *Foxworthy 176!*, *Native collector 1923!* *Bur. Sci.* Endemic.

Ulmaceae.

1. **Gironniera nervosa** Planch. in Ann. Sci. Nat. III 10 (1848) 338; Miq. Fl. Ind. Bat. 1|2 (1858-59) 222; Planch. in DC. Prodr. 17 (1873) 206; Blume Mus. Bot. Lugd.-Bat. 2 (1856) 74.

Dutch Borneo, fide *Blume* l.c., *Winkler* 2375!; Sarawak, *Foxworthy* 135!, *Native collector* 875! *Bur. Sci.*, *Sarawak Museum* 182! Malay Peninsula, Sumatra.

2. *Gironniera paucinervia* Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 189.

British North Borneo, *Clemens* 10998! Endemic.

3. *Gironniera subaequalis* Planch. in Ann. Sci. Nat. III 10 (1848) 339; Miq. Fl. Ind. Bat. 1|2 (1858-59) 222; *Blume Mus. Bot. Lugd.-Bat.* 2(1856) 73 (var. *serrulata* *Blume*); *Planch. in DC. Prodr.* 17 (1873) 206.

Dutch Borneo, fide *Blume* l.c.; British North Borneo, *Villamil* 280! Southern China to the Malay Peninsula, Sumatra, Java, and the Philippines.

1. *Trema amboinensis* (Willd.) *Blume Mus. Bot.* 2 (1856) 61, quoad syn. non Auctt. *Celtis amboinensis* Willd. Sp. Pl. 4|2 (1805) 997! *Trema virgata* *Blume Mus. Bot. Lugd.-Bat.* 2 (1856) 59.

Sarawak, *Native collector* 856!, 1109!, 1381!, 2448! *Bur. Sci.*, *Hose* 136!, 176!; British North Borneo, *Clemens* 9818!, *Villamil* 186!, *Yates* 62! Malay Peninsula to the Philippines and New Guinea.

2. *Trema angustifolia* (Planch.) *Blume Mus. Bot. Lugd.-Bat.* 2 (1856) 58.

British North Borneo, *Clemens* 9843! Malay Peninsula, Penang.

3. *Trema orientalis* (Linn.) *Blume Mus. Bot. Lugd.-Bat.* 2 (1856) 58. *Trema amboinensis* *Bernard in Bull. Herb. Boiss.* II 6 (1906) 33; *Winkler in Engl. Bot. Jahrb.* 49 (1913) 359; *Gibbs in Journ. Linn. Soc. Bot.* 42 (1914) 136, non (Willd.) *Blume* (See *Merrill, E. D. Interpret. Herb. Amb.* (1917) 187). *Trema velutina* *Blume Mus. Bot. Lugd.-Bat.* 2 (1856) 62.

Dutch Borneo, *Winkler* 2621; British North Borneo, *Gibbs* 2587, *Villamil* 133!, 324!, *Clemens* 9662!, 9713!, 10146!; Sarawak, *Hose* 398!, *Native collector* 145!, 877!, 1110! *Bur. Sci.* India to Southern China and Formosa to tropical Australia and Polynesia.

4. *Trema rigida* (Dcne.) *Blume Mus. Bot. Lugd.-Bat.* 2 (1856) 61; *Winkler in Engl. Bot. Jahrb.* 49 (1913) 359. *Trema orientalis* *Blume var. rigida* *Lauterb. in Engl. Bot. Jahrb.* 50 (1913) 322.

Dutch Borneo, *Winkler* 2191. India to New Guinea.

Moraceae.

1. *Bleekrodea insignis* *Blume Mus. Bot. Lugd.-Bat.* 2 (1856) 98, f. 28; *Miq. Fl. Ind. Bat.* 1|2 (1858) 282.

Borneo, fide *Blume*, l.c. Endemic.

1. **Sloetia sideroxylon** Teysm. and Binn. in Nat. Tijdschr. Nederl. Ind. 25 (1863) 291; Becc. Nelle Foreste di Borneo (1902) 583.

Sarawak, *Beccari*. Malay Peninsula, Sumatra, Java.

1. **Parartocarpus beccariana** Baill. *Adansonia* 11 (1875) 294; Renner in Engl. Bot. Jahrb. 39 (1907) 363.

Sarawak, *Beccari* 2577. Endemic.

2. **Parartocarpus borneensis** Becc. Nelle Foreste di Borneo (1902) 634; Renner in Engl. Bot. Jahrb. 39 (1907) 362.

Sarawak, *Beccari* 2005. Endemic.

3. **Parartocarpus excelsa** Becc. Nelle Foreste di Borneo (1902) 634; Renner in Engl. Bot. Jahrb. 39 (1907) 363.

Sarawak, *Beccari* 673. Endemic.

1. **Artocarpus blumei** Trec. in Ann. Sci. Nat. III 8 (1847) 111; Becc. Nelle Foreste di Borneo (1902) 604, 632.

Sarawak, *Beccari* 761, 1037 (*A. kunstleri* King, fide *Beccari*), *Sarawak Museum* 105!

Var. **sarawakensis** Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 370, nomen nudum.

Sarawak, fide *Boerlage* l.c. Malay Peninsula to Java and the Philippines.

2. **Artocarpus champeden** (Lour.) Spreng. Syst. 3 (1826) 804. *Artocarpus polyphema* Pers. Syn. 2 (1805) 531; Becc. Nelle Foreste di Borneo (1907) 583, 589, 599.

Sarawak, *Beccari*, *Sarawak Museum* 129! Indo-China to Malaya.

3. **Artocarpus communis** Forst. Char. Gen. (1776) 101. *Artocarpus incisa* Linn. f. Suppl. (1781) 411; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 211; Becc. Nelle Foreste di Borneo (1902) 599.

Dutch Borneo, *Korthals*; Sarawak, *Beccari*. Malaya to Polynesia; cultivated in other tropical countries.

4. **Artocarpus elastica** Reinw. ex Blume Bijdr. (1825) 481; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 211.

Dutch Borneo, *Korthals*. Java to the Philippines and the Moluccas.

5. **Artocarpus frutescens** (Becc.) Renner in Engl. Bot. Jahrb. 39 (1907) 367. *Prainea frutescens* Becc. Nelle Foreste di Borneo (1902) 635.

Sarawak, *Beccari* 667. Endemic.

6. **Artocarpus gomeziana** Wall. ?; Becc. Nelle Foreste di Borneo (1902) 563.

Sarawak, *Beccari*. Malay Peninsula, Tenasserim, Andaman Islands.

7. **Artocarpus humilis** Becc. Nelle Foreste di Borneo (1902) 629; Renner in Engl. Bot. Jahrb. 39 (1907) 369.

Sarawak, *Beccari* 3128. Endemic.

8: **Artocarpus integra** (Thunb.) Merr. Interpret. Herb. Amb. (1917) 190. *Artocarpus integrifolia* Linn. f.; Becc. Nelle Foreste di Borneo (1902) 599.

Sarawak, *Beccari*. India to Malaya; introduced in other tropical countries.

9. **Artocarpus kemando** Miq. Fl. Ind. Bat. Suppl. (1860-62) 418; Becc. Nelle Foreste di Borneo (1902) 583, 604, 628; Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 29; Renner in Engl. Bot. Jahrb. 39 (1907) 366.

Sarawak, *Beccari* 935, 2666 (*A. maingayi* King, fide Beccari); Dutch Borneo *Van Romburgh*. Sumatra.

10. **Artocarpus limpato** Miq. Fl. Ind. Bat. Suppl. (1860-62) 421; Renner in Engl. Bot. Jahrb. 39 (1907) 367. *Prainea cuspidata* Becc. Nelle Foreste di Borneo (1902) 636.

Sarawak, *Beccari* 2825. Endemic.

11. **Artocarpus longifolia** Becc. Nelle Foreste di Borneo (1902) 629.

Borneo, *Herb. Bogor.* 11312. Endemic.

12. **Artocarpus mutabilis** Becc. Nelle Foreste di Borneo (1902) 627; Renner in Engl. Bot. Jahrb. 39 (1907) 365.

Sarawak, *Beccari* 758. Endemic.

13. **Artocarpus odoratissima** Blanco Fl. Filip. (1837) 671; Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 80. *Artocarpus tarap* Becc. Nelle Foreste di Borneo (1902) 594, 603, 626.

Sarawak, *Beccari* 9, 2697, 2588, 2528; British North Borneo, *Villamil* 200! Philippines.

14. **Artocarpus peduncularis** Kurz in Journ. Bot. 4 (1875) 331; Becc. Nelle Foreste di Borneo (1902) 632.

Sarawak, *Beccari* 3937. Malay Peninsula, Nicobar Islands.

15. **Artocarpus reniformis** Becc. Nelle Foreste di Borneo (1902) 631.

Sarawak, *Beccari* 3551, 3107. Endemic.

16. **Artocarpus superba** Becc. Nelle Foreste di Borneo (1902) 625.

Sarawak, *Beccari 2997, Foxworthy 344!* Mindanao.

17. **Artocarpus tamaran** Becc. Nelle Foreste di Borneo (1902) 626; Renner in Engl. Bot. Jahrb. 39 (1907) 366.

Sarawak, *Beccari 2996*. Endemic.

18. **Artocarpus tampang** Miq. Fl. Ind. Bat. Suppl. (1860-62) 421; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 371.

Borneo, fide *Boerlage* l.c. Sumatra, Banca.

19. **Artocarpus rigida** Blume Bijdr. (1825) 482, Becc. Nelle Foreste di Borneo (1902) 632.

Sarawak, *Beccari 2478, 2998*. Burma to Malaya.

1. **Antiaris toxicaria** (Pers.) Lesch. in Ann. Mus. Paris 16 (1810) 478; Blume Rumphia 1 (1835) 56, t. 22, 23; Miq. Fl. Ind. Bat. 1|2 (1858) 291, Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 214; Becc. Nelle Foreste di Borneo (1902) 594.

Borneo, fide *Blume*. Sumatra to Celebes and the Philippines.

1. **Ficus acamptophylla** Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 264; Valeton Ic. Bogor. 3 (1907) 89, t. 236.

Dutch Borneo, *Korthals, De Vriese*. Banca.

2. **Ficus acidula** King in Ann. Bot. Gard. Calcutta 1 (1887) 176, t. 223.

Sarawak, *Beccari 2832*. Endemic.

3. **Ficus adhaerens** Miq. Pl. Jungh. (1851) 55; Becc. Nelle Foreste di Borneo (1902) 525.

Sarawak, *Beccari*. King reduces this as a variety of *Ficus ramentacea* Roxb., a species extending from India to Malaya.

4. **Ficus alba** Reinw. ex Blume Bijdr. (1825) 467; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 270; Winkler in Engl. Bot. Jahrb. 49 (1913) 364.

Dutch Borneo, *Korthals, Winkler 2186, 2202, 2253*; Sarawak, *Hewitt!* Malay Peninsula and Archipelago.

5. **Ficus altissima** Blume Bijdr. (1825) 444.

Sarawak, *Foxworthy 312!* India to Malaya.

6. **Ficus ampelos** Burm. f. Fl. Ind. (1768) 226; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 272 (var. *politoria* Miq.)

Dutch Borneo, *Korthals*. Malay Archipelago.

7. **Ficus annulata** Blume Bijdr. (1825) 448; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 261.

Dutch Borneo, *Korthals*. Burma to Malaya.

8. **Ficus apiocarpa** Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 269; Becc. Nelle Foreste di Borneo (1902) 603.

Dutch Borneo, *Korthals*; Sarawak, *Beccari*. Malay Peninsula and Archipelago.

9. ***Ficus beccarii*** King in Ann. Bot. Gard. Calcutta **1** (1887) 102, *t.* 130.

Sarawak, *Beccari* 2900; British North Borneo, *Clemens* 10336! Endemic.

10. ***Ficus benjamina*** Linn. Mant. **1** (1767) 129; Becc. Nelle Foreste di Borneo (1902) 583. *Urostigma benjaminum* Miq. Fl. Ind. Bat. **1**|2 (1858-59) 346.

Sarawak, *Beccari*. Widely distributed in the Indo-Malayan region.

11. ***Ficus binnendykii*** Miq. Ann. Mus. Bot. Lugd.-Bat. **3** (1867) 288; King in Ann. Bot. Gard. Calcutta **1** (1887) 41, *t.* 47, 82*c*; Boerl. Handl. Fl. Nederl. Ind. **3** (1900) 363.

Borneo, fide *Boerlage* and *King* l.c. Java.

12. ***Ficus borneensis*** Becc. Nelle Foreste di Borneo (1902) 525. *Ficus diversifolia* Blume var. *borneensis* King ex Becc. l.c.

Sarawak, *Beccari* 1246, 274. No description of this seems to have been published.

13. ***Ficus bracteata*** Wall. Cat. (1831) No. 4498; Boerl. in Bull. Inst. Bot. Buitenz. **5** (1900) 28.

Dutch Borneo, *Van Romburgh*; Boerlage identified the specimen as doubtfully representing Wallich's species. Singapore.

14. ***Ficus callosa*** Willd. Mem. Berl. Acad. (1789) 102; Merr. in Journ. Str. Branch Roy. As. Soc. **76** (1917) 81.

British North Borneo, *Villamil* 179! Ceylon to Burma and Malaya.

15. ***Ficus caulocarpa*** Miq. Ann. Mus. Bot. Lugd.-Bat. **3** (1867) 235, 297; Becc. Nelle Foreste di Borneo (1902) 525. *Ficus miquelii* King in Ann. Bot. Gard. Calcutta **1** (1887) 106, *t.* 137; Winkler in Engl. Bot. Jahrb. **49** (1913) 363; Gibbs in Journ. Linn. Soc. Bot. **42** (1914) 136.

Sarawak, *Beccari*; Dutch Borneo, *Winkler* 2666; British North Borneo, *Gibbs* 2759. Burma to New Guinea.

16. ***Ficus chrysocarpa*** Reinw. ex Blume Bijdr. (1825) 475; Winkler in Engl. Bot. Jahrb. **49** (1913) 365; Gibbs in Journ. Linn. Soc. Bot. **42** (1914) 137. *Ficus aurata* Miq. Ann. Mus. Bot. Lugd.-Bat. **3** (1867) 271.

Dutch Borneo, *Winkler* 2911; British North Borneo, *Gibbs* 3940, *Clemens* 9512!, 10095!

Var. ***undulata*** Winkler in Engl. Bot. Jahrb. **49** (1913) 365.

Dutch Borneo, *Winkler* 2185. Burma to Sumatra and Java.

17. ***Ficus condensata*** King in Ann. Bot. Gard. Calcutta **1** (1887) 113, t. 149.

Sarawak, *Beccari* 857. Endemic.

18. ***Ficus consociata*** Blume Bijdr. (1825) 447; Becc. Nelle Foreste di Borneo (1902) 262; Boerl. in Bull. Inst. Bot. Buitenz. **5** (1900) 27.

Sarawak, *Beccari*; Dutch Borneo, *Van Romburgh*.

Var. ***murtoni*** King in Ann. Bot. Gard. Calcutta **1** (1887) 34, t. 37; Boerl. l.c.

Dutch Borneo, *Van Rosenburgh*. The species in Sumatra and Java, the variety in the Malay Peninsula.

19. ***Ficus crininervia*** Miq. Fl. Ind. Bat. Suppl. (1860-62) 175, 432; Becc. Nelle Foreste di Borneo (1902) 525.

Sarawak, *Beccari*. Assam to the Philippines and New Guinea.

20. ***Ficus cucurbitina*** King in Ann. Bot. Gard. Calcutta **1** (1887) 22, t. 71.

Sarawak, *Beccari* 3436. Celebes.

21. ***Ficus chrysocoma*** Blume Bijdr. (1825) 446.

British North Borneo, *Clemens* 9620! Malay Peninsula to tropical Australia.

22. ***Ficus cuspidata*** Reinw. ex Blume Bijdr. (1825) 464; Miq. Fl. Ind. Bat. **1**|2 (1858-59) 308, t. 19.

Borneo, fide *Miquel* l.c. Java and Sumatra; fide *Miquel* extending to the Moluccas and New Guinea.

23. ***Ficus cycloneura*** King in Ann. Bot. Gard. Calcutta **1** (1887) 31, t. 32; Boerl. Handl. Fl. Nederl. Ind. **3** (1900) 362.

Sarawak, *Beccari* 3353; Boerlage l.c. states that the Bornean form figured and described by King is not *Urostigma cycloneura* Miq., which is a Sumatran species.

24. ***Ficus discolor*** Miq. Ann. Mus. Bot. Lugd.-Bat. **3** (1867) 221; Boerl. Handl. Fl. Nederl. Ind. **3** (1900) 369.

Dutch Borneo, *De Vriese*. An endemic species of uncertain status.

25. ***Ficus diversifolia*** Blume Bijdr. (1825) 456; Miq. Fl. Ind. Bat. **1**|2 (1858-59) 328; Winkler in Engl. Bot. Jahrb. **49** (1913) 365.

Dutch Borneo, *Winkler* 2307; Sarawak, *Hewitt*!, *Foxworthy* 36!, *Native collector* 1914! *Bur. Sci.*; British North Borneo, *Clemens* 10793!, 10804!

Var. *lutescens* (Desf.) King in Ann. Bot. Gard. Calcutta 1 (1887) 140; Winkler in Engl. Bot. Jahrb. 49 (1913) 365.

Dutch Borneo, *Winkler* 3264, 3265. Malay Peninsula and Archipelago.

26. *Ficus excavata* King in Ann. Bot. Gard. Calcutta 1 (1887) 127, t. 115B; Renner in Engl. Bot. Jahrb. 39 (1907) 400.

Sarawak, *Beccari* 1368. Malay Peninsula

27. *Ficus fistulosa* Reinw. ex Blume Bijdr. (1825) 470; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 284.

Dutch Borneo, *Korthals* (vars. *angustifolia* Miq. et *obliqua* Miq.); British North Borneo, *Clemens* 11257! India to Malaya.

28. *Ficus forstenii* Miq. in Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 214, 285, King in Ann. Bot. Gard. Calcutta 1 (1887) 29, t. 29.

Dutch Borneo, *Teysmann*. Philippines, Timor, Celebes.

29. *Ficus francisci* Winkl. in Engl. Bot. Jahrb. 49 (1913) 363.

Dutch Borneo, *Winkler* 2858, 2859. Endemic.

30. *Ficus fulva* Reinw. ex Blume Bijdr. (1825) 478; Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 28.

Dutch Borneo, *Van Romburgh*; British North Borneo, *Clemens* 9794! Burma to Malaya.

31. *Ficus gelderi* Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 216. *Ficus indica* Linn. var. *gelderi* King in Ann. Bot. Gard. Calcutta 1 (1887) 39, t. 45, lower fig.

Dutch Borneo, *Korthals*. Malay Peninsula and Archipelago

32. *Ficus geocarpa* Teysm. ex Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 231, 296; King in Ann. Bot. Gard. Calcutta 1 (1887) 102, t. 128.

Sarawak, *Beccari* 2797, 2901. Celebes.

33. *Ficus gibbosa* Blume Bijdr. (1825) 466; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 137.

British North Borneo, *Gibbs* 2841. India to southern China and Malaya.

34. *Ficus gibbsiae* Ridl. in Journ. Linn. Soc. Bot. 42 (1914) 137.

British North Borneo, *Gibbs* 4008, 3972, *Clemens* 9914! 10002!, 11090! Endemic.

35. *Ficus glabella* Blume Bijdr. (1825) 452; Becc. Nelle Foreste di Borneo (1902) 525.

Sarawak, *Beccari*. India to Malaya.

36. **Ficus globosa** Blume Bijdr. (1825) 449; Winkler in Engl. Bot. Jahrb. 49 (1913) 361. *Ficus grewiaefolia* Blume credited to Borneo by Miquel Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 273 is stated by King to be in part *Ficus pisifera* Wall and in part *Ficus ampelos* Burm. f.

Dutch Borneo, *Winkler* 2351. Burma to Malaya.

37. **Ficus grossevenis** Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 227; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 369.

Dutch Borneo, *De Vriese*. Probably endemic although credited by Miquel with doubt to Ceram or Amboina.

38. **Ficus hemsleyana** King in Ann. Bot. Gard. Calcutta 1 (1887) 112, t. 146.

Sarawak, *Beccari* 2335; British North Borneo, *Clemens* 10165! Endemic.

39. **Ficus hispida** Linn. f. Suppl. (1781) 442; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 282.

Dutch Borneo, *De Vriese*. India to Australia.

40. **Ficus hypogaea** King in Ann. Bot. Gard. Calcutta 1 (1887) 100, t. 125.

Sarawak, *Beccari* 2798; Dutch Borneo, *Teysmann*, *Motley*. Sumatra.

41. **Ficus indica** Linn. Sp. Pl. (1753) 1060; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 137.

British North Borneo, *Gibbs* 4329. India to Malaya; often confused with *Ficus retusa* Linn.

42. **Ficus infectoria** Roxb. var. **caulocarpa** (Miq.) King in Ann. Bot. Gard. Calcutta 1 (1887) 63, t. 75.

Sarawak, *Beccari* 3399. A polymorphous species extending from India to Malaya, the above variety in the Philippines.

43. **Ficus kinabaluensis** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 226.

British North Borneo, *Haviland* 1216, *Clemens* 10700! Endemic.

44. **Ficus korthalsii** Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 215, 286; King in Ann. Bot. Gard. Calcutta 1 (1887) 33, t. 35 A, Winkler in Engl. Bot. Jahrb. 49 (1913) 361.

Dutch Borneo, *Korthals*, *Winkler* 2442.

Var. **beccariana** King l.c.

Sarawak, *Beccari* 1040, 2183, 2850. Endemic.

45. **Ficus lepicalpa** Blume Bijdr. (1825) 459; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 283. *Ficus volkameriaefolia* Wall.; Winkler in Engl. Bot. Jahrb. 49 (1913) 363.

Dutch Borneo, *Korthals, De Vriese, Winkler* 3322. Malay Peninsula, Sumatra, Java, and according to Miquel, the Moluccas.

46. **Ficus leucoptera** Miq. Pl. Jungh. (1851) 52; King in Ann. Bot. Gard. Calcutta 1 (1887) 157, t. 199.

Sarawak, *Beccari* 962. Java.

47. **Ficus linearis** Becc. Nelle Foreste di Borneo (1902) 525.

Sarawak, *Beccari* 2501. Endemic; no description appears to have been published.

48. **Ficus macilenta** King in Ann. Bot. Gard. Calcutta 1 (1887) 155, t. 196.

Sarawak, *Beccari* 1696. Endemic.

49. **Ficus montana** Burm. f. Fl. Ind. (1768) 226 Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 271.

Dutch Borneo, *De Vriese*. Widely distributed in the Indo-Malayan region (*Ficus quercifolia* Roxb.).

50. **Ficus motleyana** Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 228; King in Ann. Bot. Gard. Calcutta 1 (1887) 158, t. 202; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 226.

Dutch Borneo, *Motley, Teysmann, De Vriese*; British North Borneo, *Haviland* 1215, *Villamil* 290!; Sarawak, *Native collector* 585!, 1443!, 1444! *Bur. Sci.* Endemic.

51. **Ficus obscura** Blume Bijdr. (1825) 474; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 272; Winkler in Engl. Bot. Jahrb. 49 (1913) 363.

Dutch Borneo, *Korthals, Winkler* 3283, *Schlechter* 13339. India to Malaya.

52. **Ficus obtusa** Hassk. Cat. Hort. Bogor. (1844) 75. *Pogonostrophe borneensis* Miq. Fl. Ind. Bat. 1|2 (1858-59) 330.

Borneo, fide *Miquel*, l.c. Malay Peninsula and Archipelago.

53. **Ficus pachyphylla** King in Ann. Bot. Gard. Calcutta 1 (1887) 32, t. 34.

Sarawak, *Beccari* 1303. Endemic.

54. **Ficus parietalis** Blume Bijdr. (1825) 462; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 277; Becc. Nelle Foreste di Borneo (1902) 262; Winkler in Engl. Bot. Jahrb. 49 (1913) 361.

Sarawak, *Beccari*; Dutch Borneo, *Winkler* 2706. Malay Peninsula and Archipelago.

55. **Ficus pilosa** Reinw. ex Blume Bijdr. (1825) 446; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 260; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 361.

Dutch Borneo, *Korthals*.

Var. **chrysocoma** (Blume) King in Ann. Bot. Gard. Calcutta 1 (1887) 21, t. 16.

Borneo, fide King l.c. Malay Peninsula and Archipelago.

56. **Ficus pisifera** Wall. Cat. (1831) No. 4504; Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 28, Becc. Nelle Foreste di Borneo (1902) 262; Winkler in Engl. Bot. Jahrb. 49 (1913) 361.

Dutch Borneo, *Winkler 2981, 3286, Van Romburgh*; Sarawak, *Beccari*; British North Borneo, *Clemens 10467!* Malay Peninsula and Archipelago.

57. **Ficus pruniformis** Blume Bijdr. (1825) 451; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 266.

Dutch Borneo, *Korthals*; Sarawak, *Hewitt!*; British North Borneo, *Clemens 10429!* Malay Peninsula to Java, Sumatra, and the Philippines.

58. **Ficus pubinervis** Blume Bijdr. (1825) 452; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 263; King in Ann. Bot. Gard. Calcutta 1 (1887) 54, t. 66. *Urostigma hasseltii* Miq. Pl. Jungh. (1851) 46, Fl. Ind. Bat. 1|2 (1858-59) 341.

Dutch Borneo, *Korthals*. Sumatra, Java, Timor, Celebes.

59. **Ficus punctata** Thunb. Ficus (1786) 9; Becc. Nelle Foreste di Borneo (1902) 525.

Sarawak, *Beccari, Hewitt!*

Var. **falcata** (Thunb.) King in Ann. Bot. Gard. Calcutta 1 (1887) 69.

Dutch Borneo, *Winkler 2357*. Malay Peninsula and Archipelago.

60. **Ficus ramentacea** Roxb. Fl. Ind. ed. 2, 3 (1832) 547. *Ficus rigescens* Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 278.

Borneo, (?), fide Miquel; British North Borneo, *Clemens 10472!* India to Malaya.

61. **Ficus recurva** Blume Bijdr. (1825) 457; Becc. Nelle Foreste di Borneo (1902) 603; Winkler in Engl. Bot. Jahrb. 49 (1913) 364. *Ficus strigosa* Blume; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 279.

Sarawak *Beccari*; Dutch Borneo, *Winkler 2691, 3102, Korthals*. Malay Peninsula and Archipelago.

62. **Ficus retusa** Linn. Mant. 1 (1767) 129; Becc. Nelle Foreste di Borneo (1902) 525.

Sarawak *Beccari*; British North Borneo, *Clemens 11247!, 9582!, Villamil 267!*

Var. **nitida** (Thunb.) Miq. Ann. Mus. Bot. Lugd.-Bat 3 (1867) 267; Winkler in Engl. Bot. Jahrb. 49 (1913) 361.

Dutch Borneo, *Korthals*, *Winkler* 3447. Tropical Asia and Malaya.

63. **Ficus riparia** Becc. Nelle Foreste di Borneo (1902) 524.

Sarawak, *Beccari* 2781. Endemic; no description seems to have been published.

64. **Ficus rostrata** Lam. Encycl. 2 (1788) 498; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 274. *Ficus radicans* Roxb.; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 278, Fl. Ind. Bat. 12 (1858-59) 306. *Ficus uniglandulosa* Wall.; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 277.

Dutch Borneo, *De Vriese*, *Korthals*. India to Malaya.

65. **Ficus rudis** Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 222, 291.

British North Borneo, *Clemens* 9907! Celebes, Kei, Philippines.

66. **Ficus septica** Burm. f. Fl. Ind. (1768) 226. *Ficus leucantatoma* Poir. in Lam. Encycl. Suppl. 2 (1811) 654; King in Ann. Bot. Gard. Calcutta 1 (1887) 119, t. 159.

Labuan, *Motley* 208; British North Borneo, *Clemens* 10203!, *Villamil* 305! Widely distributed in the Malayan region.

67. **Ficus setiflorus** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 226, t. 18, f. B 5-8.

British North Borneo, *Haviland* 1214, *Clemens* 10643! Endemic.

68. **Ficus simiae** Winkler in Engl. Bot. Jahrb. 49 (1913) 362.

Dutch Borneo, *Winkler* 2515. Endemic.

69. **Ficus stolonifera** King in Ann. Bot. Gard. Calcutta 1 (1887) 104, t. 132.

Sarawak, *Beccari* 2799. Endemic

70. **Ficus sub-subulata** Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 225; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 369.

Dutch Borneo, *Korthals*. Sumatra; a species of doubtful status.

71. **Ficus subulata** Blume Bijdr. (1825) 461; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 275 (var. *borneensis* Miq.) Winkler in Engl. Bot. Jahrb. 49 (1913) 361.

Borneo, fide *Miquel* l.c.; Dutch Borneo, *Schlechter* 13394; British North Borneo, *Clemens* 10470!, 10468! India to southern China and Malaya.

72. *Ficus toxicaria* Linn. Mant. 1 (1767) 305; *Miq.* Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 269.

Borneo fide *Miquel* l.c. Java, Sumatra.

73. *Ficus treubii* King in Ann. Bot. Gard. Calcutta 1 (1887) 105, t. 134.

Sarawak, *Beccari* 2800. Endemic.

74. *Ficus truncata* *Miq.* Fl. Ind. Bat. 1|2 (1857-58) 336; King in Ann. Bot. Gard. Calcutta 1 (1887) 41, t. 50.

Dutch Borneo, *Korthals*; Sarawak *Native Collector* 588! *Bur. Sci.* Malay Peninsula, Java.

75. *Ficus uncinata* (King) *Becc.* Nelle Foreste di Borneo (1902) 527. *Ficus geocarpa* *Teysm.* var. *uncinata* King. in Ann. Bot. Gard. Calcutta 1 (1887) 102, t. 129; *Winkler* in Engl. Bot. Jahrb. 49 (1913) 363.

Sarawak, *Beccari* 2458; Dutch Borneo, *Winkler* 2224, 3232. Endemic.

76. *Ficus urophylla* Wall. Cat. (1831) No. 4483; *Miq.* Fl. Ind. Bat. 1|2 (1858-59) 306; *Winkler* in Engl. Bot. Jahrb. 49 (1913) 361.

Dutch Borneo, *Winkler* 3209!; Sarawak, *Native collector* 1643! *Bur. Sci.*; British North Borneo, *Clemens* 9909! Malay Peninsula and Archipelago.

77. *Ficus variegata* Blume *Bijdr.* (1825) 459. *Ficus subracemosa* Blume; *Miq.* Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 282.

Dutch Borneo, *Korthals*. India to Malaya and the Philippines.

78. *Ficus villosa* Blume *Bijdr.* (1825) 441; *Miq.* Fl. Ind. Bat. 1|2 (1858-59) 317.

Borneo, fide *Miquel* l.c.; British North Borneo, *Clemens* 10198!, 11171! Malay Peninsula and Archipelago.

79. *Ficus xylophylla* Wall. Cat. (1831) No. 4558; *Boerl.* in Bull. Inst. Bot. Buitenz. 5 (1900) 29.

Dutch Borneo, *Van Romburgh*. Malay Peninsula, Sumatra.

1. *Conocephalus amethystinus* *Winkl.* in Engl. Bot. Jahrb. 49 (1913) 359.

Dutch Borneo, *Winkler* 2828!; Sarawak, *Foxworthy* 74!, *Native collector* 186!, 587!, 1173!, 1174!, 2473!, 2703! *Bur. Sci.* Endemic.

2. **Conocephalus borneensis** Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 210; Barg.-Petr. in Nuov. Giorn. Bot. Ital. II 9 (1902) 219.

Dutch Borneo, *Korthals*. Endemic.

3. **Conocephalus cordifolius** Barg.-Petr. in Nuov. Giorn. Bot. Ital. II 9 (1902) 220, t. 7.

Sarawak, *Beccari 2864*; British North Borneo, *Clemens 10272!* Endemic.

4. **Conocephalus dubius** Barg.-Petr. in Nuov. Giorn. Bot. Ital. II 9 (1902) 225, t. 11.

Sarawak, *Beccari 3193*. Endemic.

5. **Conocephalus intermedius** Barg.-Petr. in Nuov. Giorn. Bot. Ital. II 9 (1902) 216, t. 6.

Sarawak, *Beccari, Native collector 187!, 1172!, Bur. Sci.* Endemic.

6. **Conocephalus micranthus** Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 210; Barg.-Petr. in Nuov. Giorn. Bot. Ital. II 9 (1902) 217.

Dutch Borneo, *Korthals*. Endemic.

7. **Conocephalus microstachys** Barg.-Petr. in Nuov. Giorn. Bot. Ital. II 9 (1902) 223, t. 9.

Sarawak, *Beccari 123*. Endemic.

8. **Conocephalus oblongifolius** Barg.-Petr. in Nuov. Giorn. Bot. Ital. II 9 (1902) 222, t. 8.

Sarawak, *Beccari 3360*; British North Borneo, *Clemens 9630!, 10211!, 10488!* Endemic.

9. **Conocephalus peltatus** Winkl. in Engl. Bot. Jahrb. 49 (1913) 360.

Dutch Borneo, *Winkler 2661*. Endemic.

10. **Conocephalus scabrinervius** Barg.-Petr. in Nuov. Giorn. Bot. Ital. II 9 (1902) 223, t. 10.

Sarawak, *Beccari 2938*. Endemic.

11. **Conocephalus suaveolens** Blume Bijdr. (1825) 483; Barg.-Petr. in Nuov. Giorn. Bot. Ital. 9 (1902) App. 218; Winkler in Engl. Bot. Jahrb. 49 (1913) 359. *Conocephalus naucleiflorus* Engl. Nat. Pflanzenfam. 3|1 (1889) 94, f. 68, a-c; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 138.

British North Borneo, *Gibbs 2722*; Sarawak, *Beccari 320, 767*; Dutch Borneo, *Schlechter 1337a*. India to Malaya and the Philippines.

12. **Conocephalus subtrinervius** Miq. Fl. Ind. Bat. Suppl. (1860-62) 417; Barg.-Petr. in Nuov. Giorn. Bot. Ital. II 9 (1902) 226.

Sarawak, *Beccari 39, 244 bis, 853, 854, 2696, 2709, 2939*. Sumatra; it is suspected that the specimens here cited appertain to *Conocephalus amethystinus* Winkl.

URTICACEAE.

1. **Laportea lanaensis** C. B. Rob. in Philip. Journ. Sci. 5 (1910) Bot. 483, 6 (1911) Bot. 292.

Sarawak, *Hewitt*. Mindanao.

2. **Laportea mindanaensis** Warb. in Perk. Frag. Fl. Philip. (1903) 293; C. B. Rob. in Philip. Journ. Sci. 6 (1911) Bot. 293.

British North Borneo, *Haviland 1222*. Mindanao.

3. **Laportea peltata** (Blume) Gaudich. Bot. Freyc. Voy. (1826) 498; C. B. Rob. in Philip. Journ. Sci. 6 (1911) Bot. 292.

Sarawak, *Haviland 347*. Java, Timor.

4. **Laportea stimulans** Miq. Pl. Jungh. (1851) 103; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 227; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 138.

British North Borneo, *Gibbs 4104, Haviland 1230*; see *L. mindanaensis* C. B. Rob. Java.

1. **Fleurya interrupta** (Linn.) Gaudich. Bot. Freyc. Voy. (1826) 497; Wedd. in DC. Prodr. 16|1 (1869) 74; C. B. Rob. Philip. Journ. Sci. 6 (1911) 291.

Sarawak, *Haviland, Native Collector 2119!* *Bur. Sci. Tropics of the Old World*.

1. **Pilea johniana** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 227, *t. 19, f. 17-26*; C. B. Rob. in Philip. Journ. Sci. 6 (1911) Bot. 294; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 138.

British North Borneo, *Haviland 1391, Gibbs 4197, Clemens 10660!* Endemic.

2. **Pilea pterocaulis** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 227; C. B. Rob. in Philip. Journ. Sci. 6 (1911) Bot. 293.

British North Borneo, *Haviland 1229, 1329, Clemens 10421!, 10398!* Endemic.

3. **Pilea rigidiuscula** C. B. Rob. in Philip. Journ. Sci. 6 (1911) Bot. 294.

Sarawak, *Kalong 1721*. Endemic.

4. **Pilea stapfiana** Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 138. *Pilea crassifolia* Stapf in Trans. Linn. Soc. Bot.

4 (1894) 228; C. B. Rob. in Philip. Journ. Sci. 6 (1911) Bot. 293, non Hance.

British North Borneo, *Haviland 1339, Gibbs 4055*. Endemic.

1. **Pellionia falcata** (Hallier f.) Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 375. *Elatostema falcatum* Hallier f. in Ann. Jard. Bot. Buitenz. 13 (1896) 305.

Dutch Borneo, *Hallier*. Endemic.

2. **Pellionia insignis** (Hallier f.) Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 375. *Elatostema insigne* Hallier f. in Ann. Jard. Bot. Buitenz. 13 (1906) 304, t. 26, f. 2.

Dutch Borneo, *Hallier*.

3. **Pellionia kabayensis** Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 138.

British North Borneo, *Gibbs 3945, 4296*. Endemic.

4. **Pellionia mesargyrea** (Hallier f.) Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 375. *Elatostema mesargyreum* Hallier f. in Ann. Jard. Bot. Buitenz. 13 (1896) 305, t. 27, f. 2.

Dutch Borneo, *Hallier*. Endemic.

5. **Pellionia picta** (Hallier f.) Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 375. *Elatostema pictum* Hallier f. in Ann. Jard. Bot. Buitenz. 13 (1906) 300.

Dutch Borneo, *Hallier*. Endemic.

6. **Pellionia robusta** (Hallier f.) Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 375. *Elatostema robustum* Hallier f. in Ann. Jard. Bot. Buitenz. 13 (1896) 302, t. 25, f. 2.

Dutch Borneo, *Hallier*. Endemic.

7. **Pellionia vittata** (Hallier f.) Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 375. *Elatostema vittatum* Hallier f. in Ann. Jard. Bot. Buitenz. 13 (1906) 303, t. 26, f. 1.

Dutch Borneo, *Hallier*. Endemic.

1. **Elatostema bulbothrix** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 230, t. 19, f. A 1-4; C. B. Rob. in Philip. Journ. Sci. 6 (1911) Bot. 295; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 139.

British North Borneo, *Haviland 1392, Gibbs 4282*. Endemic.

2. **Elatostema caudatum** Hallier f. in Ann. Jard. Bot. Buitenz. 13 (1896) 307, t. 27, f. 3.

Dutch Borneo, *Hallier*. Endemic.

3. **Elatostema gurulauense** Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 139.

British North Borneo, *Gibbs 4013, 4283, Clemens 10808!* Endemic.

4. **Elatostema kinabaluense** Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 141.

British North Borneo, *Gibbs 4063, Clemens 10979!* Endemic.

5. **Elatostema lineare** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 228; C. B. Rob. in Philip. Journ. Sci. 6 (1911) Bot. 296.

British North Borneo, *Haviland 1271.* Endemic.

6. **Elatostema lithoneurum** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 230, *t. 19, f. C 9-16*; C. B. Rob. in Philip. Journ. Sci. 6 (1911) Bot. 296.

British North Borneo, *Haviland 1206.* Endemic.

7. **Elatostema lowii** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 229.

British North Borneo, *Low.* Endemic

8. **Elatostema pedicellatum** Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 140.

British North Borneo, *Gibbs 4057.* Endemic.

9. **Elatostema penibukanense** Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 144.

British North Borneo, *Gibbs 4064, 4120, Clemens 10182!, 10978!, 11012!* Endemic.

10. **Elatostema rubro-stipulaceum** Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 142.

British North Borneo, *Gibbs 4134.* Endemic.

11. **Elatostema tenumpokense** Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 143.

British North Borneo, *Gibbs 3947.* Endemic.

12. **Elatostema thalictroides** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 229, *t. 19, f. B 5-8*; C. B. Rob. in Philip. Journ. Sci. 6 (1911) Bot. 297; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 141.

British North Borneo, *Haviland 1219, Gibbs 4135, Clemens 10319! Haslam!;* Sarawak, *Native collector 2900! Bur. Sci.* Endemic.

13. **Elatostema viridissimum** Gibbs. in Journ. Linn. Soc. Bot. 42 (1914) 141.

British North Borneo, *Gibbs 4054, Clemens 11013!* Endemic.

6. **Elatostematoides** C. B. Robinson. Two undetermined species of this genus are reported from Borneo by Robinson in Philip. Journ. Sci. 6 (1911) Bot. 295, *Haviland and Hose 3318; Sarawak Museum 2187.*

1. *Procris pseudostrigosa* Elm. Leaf. Philip. Bot. 1 (1908) 284; C. B. Rob. in Philip. Journ. Sci. 6 (1911) Bot. 295.

Sarawak, collector not indicated. Philippines.

1. *Boehmeria malabarica* (Wall.) Wedd. Monogr. Urt. (1856) 355; J. J. Sm. in Meded. Dept. Landbouw 10 (1910) 695.

Dutch Borneo, *Hallier*. India to Java.

2. *Boehmeria nivea* (Linn.) Hook. & Arn. Bot. Beechy's Voy. (1841) 214; Wedd. in DC. Prodr. 16|2 (1869) 207 (var. *candicans* Wedd.); Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 376. *Boehmeria tenacissima* Gaudich.; Blume Mus. Bot. Lugd.-Bat. 2 (1856) 211.

Borneo, fide *Blume*, *Boerlage*, and *Weddell* l.c. Tropical Asia and Malaya; the ramie plant, widely cultivated.

1. *Pouzolzia sanguinea* (Blume) Wall. ex Wedd. in DC. Prodr. 16|1 (1869) 228, in syn. *Pouzolzia viminea* Wedd. in DC. Prodr. 16|1 (1869) 228; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 146. *Urtica sanguinea* Blume Bijdr. (1825) 501.

British North Borneo, *Gibbs* 3033, 3034. India to the Malay Peninsula and Java.

2. *Pouzolzia zeylanica* (Linn.) Benn. Pl. Jav. Rar. (1838) 67; C. B. Rob. in Philip. Journ. Sci. 6 (1911) Bot. 297. *Pouzolzia indica* Gaudich.; Blume Mus. Bot. Lugd.-Bat. 2 (1856) 233; Miq. Fl. Ind. Bat. 1|2 (1858-59) 257; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 145. *Pouzolzia borneensis* Blume Mus. Bot. Lugd.-Bat. 2 (1856) 234. *Pouzolzia strigosa* Hassk.; Miq. Fl. Ind. Bat. 1|2 (1858-59) 259; Blume Mus. Bot. Lugd.-Bat. 2 (1856) 237. *Pouzolzia indica* Gaudich. var. *alienata* (Linn.) Wedd. in DC. Prodr. 16|1 (1869) 221. *Pouzolzia indica* Gaudich. var. *angustifolia* (Wight) Wedd. l.c. *Pouzolzia glomerata* DCne.; Blume Mus. Bot. Lugd.-Bat. 2 (1856) 232; Miq. Fl. Ind. Bat. 1|2 (1858-59) 258.

British North Borneo, *Gibbs* 2638; Dutch Borneo, *Korthals*; Sarawak, *Haviland* and *Hose* 3319. Throughout the Indo-Malayan region, exceedingly variable.

10. *Gonostegia hirta* (Blume) Miq. Ann. Mus. Bot. Lugd.-Bat. 4(1869) 303.

Sarawak, *Native collector* 2052! *Bur. Sci.* India to China southward to Australia.

1. *Cypholophus brunneolus* Elm. Leaf. Philip. Bot. 3 (1910) 896.

British North Borneo, *Clemens* 10447! 10990! Philippines.

1. **Pipturus arborescens** (Link) C. B. Rob. in Philip. Journ. 6 (1911) Bot. 13, 208. *Pipturus asper* Wedd. in DC. Prodr. 16|1 (1869) 235|17.

Sarawak, *Haviland and Hose* 3320. Philippines.

2. **Pipturus argenteus** (Forst.) Wedd. in DC. Prodr. 16|1 (1869) 235|19; C. B. Rob. in Philip. Journ. Sci. 6 (1911) Bot. 298; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 146.

British North Borneo, *Gibbs* 2982, *Clemens* 9703! Malaya to Polynesia.

3. **Pipturus repandus** (Blume) Wedd. in Arch. Mus. Paris 9 (1857) 448, DC. Prodr. 16|1 (1869) 235|19; C. B. Rob. in Philip. Journ. Sci. 6 (1911) Bot. 298.

Sarawak, *Haviland* 362. Philippines to Java and the Moluccas.

1. **Astrothalamus reticulatus** (Wedd.) C. B. Rob. in Philip. Journ. Sci. 6 (1911) Bot. 19, 298. *Maoutia reticulata* Wedd. in DC. Prodr. 16|1 (1869) 253|31.

Sarawak, *Haviland* 351, 352, *Moulton!*, *Native collector* 2019! *Bur. Sci.*; British North Borneo, *Clemens* 9874! Mindanao, Marianne Islands.

1. **Debregeasia longifolia** (Burm. f.) Wedd. in DC. Prodr. 16|1 (1869) 235|24 *Urtica longifolia* Burm. f. Fl. Ind. (1768) 197 (err. 297). *Debregeasia angustifolia* C. B. Rob. in Philip. Journ. Sci. 6 (1911) Bot. 18.

British North Borneo, *Clemens* 10305! India to Malaya and the Philippines.

1. **Oreocnide trinervis** (Wedd.) Miq. Fl. Ind. Bat. 1|2 (1859) 270; C. B. Rob. in Philip. Journ. Sci. 6 (1911) Bot. 298. *Villebrunnea trinervis* Wedd. in Ann. Sci. Nat. IV 1 (1854) 195.

Sarawak, *Haviland* 765; British North Borneo, *Clemens* 9827!, 9852!, 10471! Philippines.

1. **Leucosyke borneensis** (Blume) Miq. Fl. Ind. Bat. 1|2 (1858-59) 267; Wedd. in DC. Prodr. 16|1 (1865) 235|29. *Missiessya borneensis* Blume Mus. Bot. Lugd.-Bat. 2 (1856) 164.

Borneo, fide *Blume* l.c. Endemic.

2. **Leucosyke capitellata** (Poir.) Wedd. in DC. Prodr. 16|1 (1869) 235|27; C. B. Rob. in Philip. Journ. Sci. 6 (1911) Bot. 298. *Leucosyke alba* Zoll. & Mor.; Miq. Fl. Ind. Bat. 1|2 (1858-59) 265.

Borneo, fide *Miquel*; British North Borneo, *Villamil* 354!; Dutch Borneo, *Winkler* 2124!; Sarawak, *Haviland* 350.

Var. **ochracea** (Blume) Wedd. in DC. Prodr. 16|1 (1869) 235|37. *Missiessya fagifolia* Gaudich. var. *ochracea* Blume Mus.

Bot. Lugd.-Bat. 2 (1856) 162. *Leucosyke alba* Zoll. & Mor. var. *ochracea* Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 381.

Borneo, fide *Blume* l.c.

Var. *retusa* (Blume) Wedd. l.c. *Missiessya fagifolia* Gaudich. var. *retusa* Blume l.c. *Leucosyke aiba* Zoll. & Mor. var. *retusa* Boerl. l.c.

Borneo, fide *Blume* l.c.

Var. *villosa* (Blume) Wedd. l.c. *Missiessya villosa* Blume Mus. Bot. Lugd.-Bat. 2 (1856) 163. *Leucosyke villosa* Miq. Fl. Ind. Bat. 1/2 (1858-59) 266.

Borneo, fide *Blume* l.c. Widely distributed in the Malayan region.

3. *Leucosyke rubiginosa* (Blume) Miq. Fl. Ind. Bat. 1/2 (1858-59) 267; Wedd. in DC. Prodr. 16|1 (1869) 235|29. *Missiessya rubiginosa* Blume Mus. Bot. Lugd.-Bat. 2 (1856) 164.

Dutch Borneo, *Korthals*, *Muller*. Endemic.

1. *Maoutia puya* (Wall.) Wedd. in Ann. Sci. Nat. IV 1 (1854) 193, DC. Prodr. 16|1 (1869) 235|31; Boerl. Fl. Nederl. Ind. 3 (1900) 381.

Borneo, fide *Boerlage* l.c. India, Celebes.

Proteaceae.

1. *Helicia erratica* Hook. f. Fl. Brit. Ind. 5 (1886) 189; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 220. *Finschia erratica* Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 151.

British North Borneo, *Haviland 1197*. India to Burma.

2. *Helicia maxwelliana* Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 131

British North Borneo, *Gibbs 3137*, *Clemens 11082!* Endemic.

3. *Helicia petiolaris* Benn. Pl. Jav. Rar. (1838) 84.

Sarawak, *Hose 217!* 531! Malay Peninsula.

Loranthaceae.

1. *Loranthus albidus* Blume Bijdr. (1825) 661; Korth. in Verh. Bat. Genoots. 27 (1839) 283; King in Journ. As. Soc. Beng. 56|2 (1887) 98. *Elytranthe albida* Blume, Fl. Jav. Lorant. (1828) t. 22; Miq. Fl. Ind. Bat. 1|1 (1855-58) 832.

Dutch Borneo, *Korthals*. Burma, the Malay Peninsula, Sumatra, and Java.

2. *Loranthus aurantiacus* Cunn. ex Hook. in Mitch. Journ. Exp. Trop. Austral. (1848) 101; Boerl. Handl. Fl. Nederl. Ind.

Borneo, fide *Boerlage*, l.c. Australia.

3. **Loranthus beccarii** King in Journ. As. Soc. Beng. 56|2 (1887) 98. *Lepeostegeres beccarii* Gamble in Journ. As. Soc. Beng. 75|3 (1914) 382. *Stegastrum beccarii* Van Tiegh. in Bull. Soc. Bot. France 42 (1895) 447. *Elytranthe beccarii* Engl. Nat. Pflanzenfam. Nachtr. 1 (1897) 126.

Sarawak, *Beccari* 739, 1171, *Haviland* 3642. Malay Peninsula.

4. **Loranthus bahajensis** Korth. Verh. Bat. Genoots. 27 (1839) 285; Walp. Repert. 2 (1843) 445; Miq. Fl. Ind. Bat. 1|1 (1855-58) 833. *Stegastrum bahajensis* Van Tiegh. in Bull. Soc. Bot. France 42 (1895) 447.

Dutch Borneo, *Korthals*; Sarawak, *Beccari* 1158, 2026. Sumatra.

5. **Loranthus baratra-beccarii** Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 162. *Baratranthus beccarii* Van Tiegh. in Bull. Soc. Bot. France 41 (1894) 538. *Loranthus salakensis* Engl. Nat. Pflanzenfam. Nachtr. 1 (1897) 129.

Sarawak, *Beccari* 910. Endemic.

6. **Loranthus bicarinatus** (Van Tiegh.) comb. nov. *Lepidaria bicarinata* Van Tiegh. in Bull. Soc. Bot. France 42 (1895) 440.

Sarawak, *Beccari* 910. Endemic.

7. **Loranthus borneensis** Engl. Nat. Pflanzenfam. Nachtr. 1 (1897) 128. *Chiridium beccarii* Van. Tiegh. in Bull. Soc. Bot. France 41 (1894) 541.

Sarawak, *Beccari* 586. Endemic.

8. **Loranthus centiflorus** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 222, t. 18, f. C 9-10; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 133.

British North Borneo, *Haviland* 1247, *Gibbs* 3011, *Clemens* 9806! Endemic.

9. **Loranthus chrysanthoides** Korth. in Verh. Bat. Genoots. 27 (1839) 269; Walp. Repert. 2 (1843) 442. *Dendrophthoe chrysanthoides* Miq. Fl. Ind. Bat. 1|1 (1855-58) 813.

Dutch Borneo, *Korthals*. Endemic.

10. **Loranthus coccineus** Jack in Malay Miscel. 1 (1820) 8; Korth. in Verh. Bat. Genoots. 27 (1839) 264. *Phoenicanthemum coccineum* Miq. Fl. Ind. Bat. 1|1 (1855-58) 825.

Dutch Borneo, *Korthals*: Sarawak, *Haviland* 472. Burma, Malay Peninsula, Banca, Andaman Islands.

11. **Loranthus constrictus** Korth. in Verh. Bat. Genoots. 27 (1839) 276; Walp. Repert. 2 (1842) 442.

Dutch Borneo, *Korthals*. Endemic.

12. **Loranthus estipitatus** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 221.

British North Borneo, *Haviland 1351, Fraser 183, Clemens 10282!* Southern China to the Philippines and the Malay Peninsula.

13. **Loranthus ferrugineus** Roxb. Fl. Ind. 2 (1824) 207. *Loranthus schultesii* Blume; Korth. in Verh. Bat. Genoots. 27 (1839) 267. *Dendrophthoe schultesii* G. Don; Miq. Fl. Ind. Bat. 1|1 (1855-58) 811.

Dutch Borneo, *Korthals, Winkler 2180!*; Sarawak, *Native collector 1105!, 1683!, 2338!* *Bur. Sci., Hewitt!* India to Malaya.

14. **Loranthus fulvus** Korth. in Verh. Bat. Genoots. 27 (1839) 273; Walp. Repert. 2 (1843) 442. *Dendrophthoe fulva* Miq. Fl. Ind. Bat. 1|1 (1855-58) 815.

Dutch Borneo, *Korthals*. Endemic.

15. **Loranthus globosus** Roxb. Fl. Ind. 2 (1824) 206, ed. 2, 1 (1832) 550, 2 (1832) 187. *Loranthus sphaerocarpus* Blume Bijdr. (1825) 661. *Macrosolen sphaerocarpus* Miq. Fl. Ind. Bat. 1|1 (1855-58) 830.

Borneo, fide *Miquel* l.c. Southern Asia to the Philippines, Celebes, the Malay Peninsula, Sumatra, and Java.

16. **Loranthus heteranthus** Wall. Cat. (1828) No. 537; King in Journ. As. Soc. Beng. 56|2 (1887) 91.

Sarawak, *Haviland*. Chittagong to Sumatra and Java.

17. **Loranthus incarnatus** Jack in Roxb. Fl. Ind. 2 (1824) 213; Korth. in Verh. Bat. Genoots. 27 (1839) 275. *Dendrophthoe incarnata* Miq. Fl. Ind. Bat. 1|1 (1855-58) 821.

Dutch Borneo, *Korthals*. Sumatra.

18. **Loranthus irregularis** Engl. Nat. Pflanzenfam. Nachtr. 1 (1897) 128. *Stemmatophyllum irregulare* Van Tiegh. in Bull. Soc. Bot. France 41 (1894) 546.

Sarawak, *Beccari 3533*. Endemic.

19. **Loranthus jackianus** Korth. in Verh. Bat. Genoots. 27 (1839) 279; Walp. Repert. 2 (1843) 443. *Macrosolen jackianus* Miq. Fl. Ind. Bat. 1|1 (1855-58) 828.

Dutch Borneo, *Korthals*. Endemic.

20. **Loranthus kalahiensis** Korth. in Verh. Bat. Genoots. 27 (1839) 271; Walp. Repert. 2 (1843) 442. *Dendrophthoe kalahiensis* Miq. Fl. Ind. Bat. 1|1 (1855-58) 811.

Dutch Borneo, *Korthals*. Endemic.

21. **Loranthus kramatensis** (Miq.) Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 164. *Dendrophthoe kramatensis* Miq. Fl. Ind. Bat. 1|1 (1855-58) 814. *Loranthus ellipticus* Korth. in Verh. Bat. Genoots. 27 (1839) 272; Walp. Repert. 2 (1843) 442, non Ruiz & Pav.

Dutch Borneo, *Korthals*. Endemic.

Loranthus kunstleri King, of the Malay Peninsula is doubtfully credited to Borneo by Gamble as *Elytranthe kunstleri* Gamble in Journ. As. Soc. Beng. 75|3 (1915) 374.

22. **Loranthus lepidaria** nom. nov. *Lepidaria macrophylla* Van Tiegh. in Bull. Soc. Bot. France 42 (1895) 440, non *Loranthus macrophyllus* Korth.

Sarawak, *Beccari 1248*. Endemic.

23. **Loranthus lepidotus** Blume Bijdr. (1825) 660. *Dendrophthoe lepidota* Miq. Fl. Ind. Bat. 1|1 (1855-58) 816.

Borneo, fide *Miquel l. c.* Java to the Moluccas.

Loranthus lobbii Hook. f. Fl. Brit. Ind. 5 (1886) 204; King in Journ. As. Soc. Beng. 56|2 (1887) 90, is stated by King to occur "apparently also in Borneo." It is definitely known only from the Malay Peninsula, Penang, and Singapore; see *Loranthus lunduensis* Engl.

24. **Loranthus loba-beccarii** Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 165. *Loxanthera beccarii* Van Tiegh. in Bull. Soc. Bot. France 41 (1894) 260.

Sarawak, *Beccari 1357*. Endemic.

25. **Loranthus lunduensis** Engl. Nat. Pflanzenfam. Nachtr. 1 (1897) 129. *Baratranthus acuminatus* Van Tiegh. in Bull. Soc. Bot. France 41 (1894) 538.

Sarawak, *Beccari 2378*; this number was cited by Hooker f. Fl. Brit. Ind. 5 (1890) 204 as representing *Loranthus lobbii* Hook. f., this being apparently the basis on which the latter was credited to Borneo. Endemic.

26. **Loranthus macklottianus** Korth. in Verh. Bat. Genoots. 27 (1839) 264. *Phoenicanthemum macklottianum* Miq. Fl. Ind. Bat. 1|1 (1855-58) 824. *Coelobotrys macklottiana* Van Tiegh. in Bull. Soc. Bot. France 41 (1894) 484.

Dutch Borneo, *Korthals*. Endemic.

27. **Loranthus maxwellianus** Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 132.

British North Borneo, *Gibbs 4006*, *Clemens 10847!* Endemic.

28. **Loranthus pentandrus** Linn. Mant. 1 (1767) 63; Korth. in Verh. Bat. Genoots. 27 (1839) 277. *Dendrophthoe pentandra* Miq. Fl. Ind. Bat. 1|1 (1855-58) 818.

Dutch Borneo, *Korthals*; British North Borneo, *Villamil 123!*
Bengal to Sumatra and Java.

29. **Loranthus pentapetalus** Roxb. Fl. Ind. 2 (1824) 211; Korth. in Verh. Bat. Genoots. 27 (1839) 262; King in Journ. As. Soc. Beng. 56|2 (1887) 90. *Phoenicanthemum pentapetalum* Miq. Fl. Ind. Bat. 1|1 (1855-58) 823. *Loranthus blumeanus* Van Tiegh. in Bull. Soc. Bot. France 41 (1894) 488.

Dutch Borneo, *Korthals*; Sarawak *Ridley 11666*, *Haviland*.
India to Sumatra, Java and the Philippines.

30. **Loranthus reinwardtianus** Schultes Syst. 7 (1829) 105. *Loranthus loxantherus* DC. Prodr. 4 (1839) 316. *Loxanthera speciosa* Blume Fl. Jav. Lorant. (1828) 11, t. 20, 23 c; Gamble in Journ. As. Soc. Beng. 75|3 (1914) 369. *Loranthus speciosus* King in Journ. As. Soc. Beng. 56|2 (1887) 95, non Blume.

Sarawak, *Haviland*. Malay Peninsula, Sumatra, Java.

31. **Loranthus repandus** Blume Fl. Jav. Lorant. (1828) 22, t. 3, *Dendrophthoe repanda* G. Don; Miq. Fl. Ind. Bat. 1|1 (1855-58) 812.

Dutch Borneo, *Korthals*. Java.

32. **Loranthus retusus** Jack in Roxb. Fl. Ind. 2 (1824) 212; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 165. *Elytranthe retusa* G. Don; Gamble in Journ. As. Soc. Beng. 75|3 (1914) 376.

Borneo, fide *Boerlage* and *Gamble* l.c. Malay Peninsula, Java.

33. **Loranthus sabaensis** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 222; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 133. *Loranthus havilandii* Stapf l.c. in obs.

British North Borneo, *Haviland 1079*, *1108*, *Gibbs 4201*, *Haslam!*, *Clemens 10562!*, *10971!*; Sarawak, *Beccari 2579*, *Foxworthy 276!* Endemic.

34. **Loranthus sakoembangensis** Korth. in Verh. Bat. Genoots. 27 (1839) 285; Walp. Repert. 2 (1843) 445. *Lepeostegeres sakoembangensis* Miq. Fl. Ind. Bat. 1|1 (1855-58) 834.

Dutch Borneo, *Korthals*. Endemic.

35. **Loranthus setigerus** Korth. in Verh. Bat. Genoots 27 (1839) 265; Walp. Repert. 2 (1843) 440. *Phoenicanthemum setigerum* Miq. Fl. Ind. Bat. 1|1 (1855-58) 824. *Chiridium setigerum* Van Tiegh. in Bull. Soc. Bot. France 41 (1894) 484.

Dutch Borneo, *Korthals*. Endemic.

36. **Loranthus stegastrum** nom. nov. *Stegastrum lancifolium* Van Tiegh. in Bull. Soc. Bot. France 42 (1895) 447, non *Loranthus lancifolium* Poir.

Sarawak, *Beccari* 537. Endemic.

37. **Loranthus stemmato-beccarii** Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 166. *Stemmatophyllum beccarii* Van Tiegh. in Bull. Soc. Bot. France 41 (1894) 506. *Loranthus beccarii* Engl. Nat. Pflanzenfam. Nachtr. 1 (1897) 128, non King.

Sarawak, *Beccari* 688. Endemic.

38. **Loranthus trianthus** Korth. in Verh. Bat. Genoots. 27 (1839) 265. *Phoenicanthemum trianthum* Miq. Fl. Ind. Bat. 1|1 (1855-58) 826. *Amyema triantha* Van Tiegh. in Bull. Soc. Bot. France 41 (1894) 507.

Dutch Borneo, *Korthals*. Endemic.

39. **Loranthus vaginatus** (Van Tiegh.) comb. nov. *Lepidaria vaginata* Van Tiegh. in Bull. Soc. Bot. France 42 (1895) 440.

Sarawak, *Beccari* 2579. Endemic.

40. **Loranthus xiphostachyus** Engl. Nat. Pflanzenfam. Nachtr. 1 (1897) 131. *Trithecanthera xiphostachya* Van Tiegh. in Bull. Soc. Bot. France 42 (1895) 250. *Beccarina xiphostachya* Van Tiegh. in Journ. de Bot. 16 (1902) 5, f. 1.

Sarawak, *Beccari* 3148. Endemic.

41. **Loranthus xestophyllum** (Miq.) comb. nov. *Loranthus macrostachys* Korth. Verh. Bat. Genoots. 27 (1839) 262, non Willd. *Phoenicanthemum xestophyllum* Miq. Fl. Ind. Bat. 1|1 (1855-58) 823. *Lanthorus macrostachys* Van Tiegh. in Bull. Soc. Bot. France 41 (1894) 488.

Dutch Borneo, *Korthals*. Endemic.

1. **Ginalloa arnottiana** Korth. in Verh. Bat. Genoots. 27 (1839) 260; Miq. Fl. Ind. Bat. 1|1 (1855-58) 807.

Dutch Borneo, *Korthals*. Endemic.

2. **Ginalloa beccariana** Van Tiegh. in Bull. Soc. Bot. France 42 (1895) 647, *nomen nudum*.

Sarawak, *Beccari* 2485. Endemic.

3. **Ginalloa tenuifolia** Van Tiegh. in Bull. Soc. Bot. France 42 (1895) 647, *nomen nudum*.

Sarawak, *Beccari*, 1971, 2348. Endemic.

1. **Korthalsella geminata** (Korth.) Engl. Nat. Pflanzenfam. Nachtr. 1 (1897) 138. *Viscum geminatum* Korth. in Verh. Bat. Genoots. 27 (1839) 259; Miq. Fl. Ind. Bat. 1|1 (1855-58) 806. *Heterixia geminata* Van Tiegh. in Bull. Soc. Bot. France 43 (1896) 117.

Borneo, *Korthals*. Endemic.

1. *Viscum articulatum* Burm. Fl. Ind. (1768) 311; Korth. in Verh. Bat. Genoots. 27 (1839) 258; Miq. Fl. Ind. Bat. 1|1 (1855-58) 806.

Dutch Borneo, *Korthals*, *Winkler* 2923!; Sarawak *Hewitt*!; British North Borneo, *Clemens* 9755! India to southern China and Malaya.

2. *Viscum orientale* Willd. Sp. Pl. 4 (1805) 737; Korth. in Verh. Bat. Genoots. 27 (1839) 254; Miq. Fl. Ind. Bat. 1|1 (1855-58) 804.

Dutch Borneo, *Korthals*; Sarawak, *Haviland* 3092, *Native collector* 162! *Bur. Sci.*

Var. *roxburghiana* (Korth.) Miq. l.c. *Viscum roxburghianum* Korth. in Verh. Bat. Genoots. 27 (1839) 257.

Dutch Borneo, *Korthals*.

Var. *navicellatum* (Korth.) Miq. l.c. *Viscum navicellatum* Korth. l.c. 256.

Dutch Borneo, *Korthals*.

Var. *pamattonis* (Korth.) Miq. l.c. *Viscum pamattonis* Korth. l.c. 255.

Dutch Borneo, *Korthals*. India to Australia.

Santalaceae.

1. *Henslowia buxifolia* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 244; A. DC. Prodr. 14 (1857) 631. *Dendrotrophe buxifolia* Miq. Fl. Ind. Bat. 1|1 (1855-58) 781.

Dutch Borneo, *Korthals*; British North Borneo, *Clemens* 9577! Malay Peninsula, Banca.

2. *Henslowia cassiaefolia* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 244; Walp. Ann. 3 (1852-53) 316; A. DC. Prodr. 14 (1857) 631. *Dendrotrophe cassiaefolia* Miq. Fl. Ind. Bat. 1|1 (1855-58) 780.

Dutch Borneo, *Korthals*. Endemic.

3. *Henslowia reinwardtiana* Blume ex Korth. in Verh. Bat. Genoots. 27 (1839) 195, Mus. Bot. Lugd.-Bat. 1 (1850) 244. *Tupeia racemosa* Korth. l.c. in syn. *Tupeia reinwardtiana* Blume Fl. Jav. Loranth. (1828) t. 28. *Dendrotrophe reinwardtiana* Miq. Fl. Ind. Bat. 1|1 (1855-58) 180.

Dutch Borneo, *Korthals*. Sumatra, Java.

4. *Henslowia spicata* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 244; A. DC. Prodr. 14 (1857) 631. *Dendrotrophe spicata* Miq. Fl. Ind. Bat. 1|1 (1855-58) 780.

Dutch Borneo, *Korthals*. Endemic.

5. **Henslowia varians** Blume Mus. Bot. Lugd.-Bat. 1 (1850) 244, f. 43; A. DC. Prodr. 14 (1857) 631; Walp. Ann. 3 (1852-53) 316. *Dendrotrophe varians* Miq. Fl. Ind. Bat. 1|1 (1855-58) 780.

Dutch Borneo, *Korthals*. Burma and Malay Peninsula.

1. **Scleropyrum maingayi** Hook. f. Fl. Brit. Ind. 5 (1886) 235; Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 81.

British North Borneo, *Villamil 154!* Malay Peninsula, Penang.

Opiliaceae.

1. **Cansjera rheedii** Gmel. Syst. Nat. 1 (1791) 280.

Sarawak, *Native collector 2287!* *Bur. Sci.* India to Malaya.

Olaceae.

1. **Anacolosia** sp.

Sarawak, *Native collector 2356!* *Bur. Sci.*

1. **Strombosia javanica** Blume Bijdr. (1826) 1155; Miq. Fl. Ind. Bat. 1|1 (1855-58) 787; Valetton Crit. Overzigt Olac. (1886) 86.

Borneo, fide *Miquel* and *Valetton* l.c. Tenasserim to Java.

2. **Strombosia latifolia** Stapf in Kew Bull. (1906) 71.

Sarawak; *Haviland's collector 2007*. Endemic.

1. **Scorodocarpus borneensis** (Baill.) Becc. in Nuov. Giorn. Bot. Ital. 9 (1877) 274, t. 11; Valetton Crit. Overzigt Olac. (1886) 89. *Ximenia borneensis* Baill. Adansonia 11 (1875) 261.

Sarawak. *Beccari*; British North Borneo, *Villamil 46!* Malay Peninsula.

1. **Ochlanostachys amentacea** Mast. in Hook. Fl. Brit. Ind. 1 (1875) 576, Ic. IV 5 (1900) t. 2689; Valetton Crit. Overzigt Olac. (1886) 104; Winkler in Engl. Bot. Jahrb. 49 (1913) 365.

Sarawak, *Haviland 1950*; Dutch Borneo, *Winkler 2356*. Malay Peninsula, Penang, Banca, Lingga, Nicobar and Andaman Islands.

1. **Olox imbricata** Roxb. Fl. Ind. 1 (1820) 169, Valetton Crit. Overzigt Olac. (1886) 115.

Borneo, fide *Valetton* l.c.; Sarawak, *Native collector 1877!* *Bur. Sci.* India to the Philippines and Timor.

2. **Olox seminifera** Valetton Crit. Overzigt Olac. (1886) 116.

Dutch Borneo, *Korthals*. Endemic.

Balanophoraceae.

1. **Balanophora elongata** Blume Enum. Pl. Jav. 1 (1827) 87; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 233; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 133.

British North Borneo, *Haviland 1166, Gibbs 4028, 4029.* Java.

2. **Balanophora globosa** Jungh. in Nov. Act. Acad. Nat. Cur. 18 (1841) Suppl. 1: 210, t. 2; Hook. f. in Trans. Linn. Soc. 22 (1859) 46, 427.

Borneo, *Low.* Burma to Java.

3. **Balanophora lowii** Hook. f. in Trans. Linn. Soc. 22 (1859) 426, t. 57 c; Eichl. in DC. Prodr. 17 (1873) 148; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 223; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 133. *Balaniella lowii* Van Tiegh. in Ann. Sci. Nat. Bot. IX 6 (1907) 181; Fedde Repert. 7 (1909) 267.

British North Borneo, *Low, Gibbs 3138, 4022.* Endemic.

4. **Balanophora reflexa** Becc. in Att. Soc. Ital. Sci. Nat. 11 (1868) 198, Nuov. Giorn. Bot. Ital. 1 (1869) 65, t. 2; Scheff. in Nat. Tijdschr. Nederl. Ind. 34 (1874) 68; Eichl. in DC. Prodr. 17 (1873) 148. *Balaniella reflexa* Van Tiegh. in Ann. Sci. Nat. IX 6 (1907) 182, Fedde Repert. 7 (1909) 268.

Sarawak, *Beccari.* Endemic.

Aristolochiaceae.

1. **Aristolochia tagala** Cham. in Linnaea 7 (1832) 207. *Aristolochia roxburghiana* Klotsch in Monatsber. Akad. Berl. (1859) 596; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 65.

Borneo, fide *Boerlage* l.c. India to Malaya and the Philippines.

2. **Aristolochia ugulifolia** Mast. in Journ. Linn. Soc. Bot. 14 (1875) 494, Gard. Chron. (1880) 2: 116, f. 28; Hook. f. in Curtis's Bot. Mag. III 51 (1895) t. 7424.

Labuan, *Motley, Lobb.* Endemic.

1. **Thottea borneensis** Valetton in Ic. Bogor. 3 (1908) 155, t. 261; Fedde Repert. 9 (1911) 308.

Dutch Borneo, *Teysmann.* Endemic.

2. **Thottea grandiflora** Rottb. in Nye Dansk. Vidensk. Selsk. Skrift. 2 (1783) 529, t. 2; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 65.

Borneo, fide *Boerlage*, l.c. Malay Peninsula

3. **Thottea macrophylla** Becc. in Nuov. Giorn. Bot. Ital. 2 (1870) 5, t. 1, f. 1-6; Scheff. in Nat. Tijdschr. Nederl. Ind. 34 (1874) 69.

Sarawak, *Beccari.* Endemic.

4. **Thottea rhizantha** Becc. in Nuov. Giorn. Bot. Ital. 2 (1870) 6, t. 1, f. 7-10; Scheff. in Nat. Tijdschr. Nederl. Ind. 34 (1874) 69.

Sarawak, *Beccari.* Endemic.

Rafflesiaceae.

1. **Brugmansia lowii** Becc. in Att. Soc. Ital. Sci. Nat. **11** (1868) 198, Nuov. Giorn. Bot. Ital. **1** (1869) 85, t. 4, f. 1-13, 7 (1875) 74; Scheff. in Nat. Tijdschr. Nederl. Ind. **34** (1874) 68; Solms-Laub. in Engl. Pflanzenreich **5** (1901) 12; Koord. Bot. Overzicht Raffl. Nederl.-Ind. (1918) 101, t. 17, f. C-E. *Brugmansia zippelii* Blume var. *lowii* Hook. f. in DC. Prodr. **17** (1873) 113.

Borneo, *Low*. Sumatra.

2. **Brugmansia zippelii** Blume in Van Hall Bijdr. Nat. Wetensch. **2** (1828) 422; Winkler in Engl. Bot. Jahrb. **49** (1913) 365; Koord. Bot. Overzicht Raffl. Nederl.-Ind. (1918) 94, t. 15, f. A-D.

Dutch Borneo, *Winkler* 3229. Java.

1. **Rafflesia borneensis** Koord. Bot. Overzicht Raffl. Nederl.-Ind. (1918) 47 t. 4, 5.

Dutch Borneo, *Witkamp*. Endemic.

2. **Rafflesia ciliata** Koord. Bot. Overzicht Raffl. Nederl.-Ind. (1918) 64, t. 9.

Dutch Borneo, *Witkamp*. Endemic.

3. **Rafflesia tuan mudae** Becc. in Att. Soc. Ital. Sci. Nat. **11** (1868) 197, Nelle Foreste di Borneo (1902) 166, f. 33; Solms-Laub. in Ann. Jard. Bot. Buitenz. **9** (1891) 239, t. 27, f. 4, 5, 9, 10; Engl. Pflanzenreich **5** (1901) 9. Koord. Bot. Overzicht Raffl. Nederl.-Ind. (1918) 66.

Sarawak, *Beccari*. Endemic; Boerlage Handl. Fl. Nederl. Ind. **3** (1900) 59, reduced this to the Sumatran *Rafflesia titan* Jack.

4. **Rafflesia witkampi** Koord. Bot. Overzicht Raffl. Nederl.-Ind. (1918) 61, t. 8.

Dutch Borneo, *Witkamp*. Endemic.

Polygonaceae.

1. **Polygonum barbatum** Linn. Sp. Pl. (1753) 518, var. **vulgare** Meissn. in Wall. Pl. As. Rar. **3** (1832) 56; Winkler in Engl. Bot. Jahrb. **49** (1913) 366.

Dutch Borneo, *Winkler* 3119; British North Borneo, *Clemens* 9798!, 10293! Widely distributed in the tropics of the Old World.

2. **Polygonum borneense** Meissn. in Miq. Ann. Mus. Bot. Lugd.-Bat. **2** (1865-66) 59.

Dutch Borneo, *Korthals*. Endemic.

3. **Polygonum chinense** Linn. Sp. Pl. (1753) 363; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 216; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 124.

British North Borneo, *Haviland 1350, Gibbs 3415, Clemens 10367!* India to Japan southward to Timor.

4. **Polygonum flaccidum** Roxb. Fl. Ind. ed. 2, 2 (1832) 291; Meissn. in DC. Prodr. 14 (1856) 107; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 47; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 125; Winkler in Engl. Bot. Jahrb. 49 (1913) 366.

Dutch Borneo, *Schlechter 13376*; British North Borneo, *Gibbs 2845*. India to southern China south to Java.

5. **Polygonum orientale** Linn. Sp. Pl. (1753) 362; Meissn. in Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 61; Winkler in Engl. Bot. Jahrb. 49 (1913) 366; Boerlage Handl. Fl. Nederl. Ind. 3 (1900) 46 (var. *pilosum* Meissn.).

Dutch Borneo, *Korthals, Winkler 3118*. Tropics of the Old World.

6. **Polygonum pedunculare** Wall. Cat. (1829) No. 1718; Meissn. in Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) var. *lanceolatum* Meissn. et var. *subauriculatum* Meissn.); Winkler in Engl. Bot. Jahrb. 49 (1913) 36.

Dutch Borneo, *Korthals, Winkler 2938, 3291*. Tropical Asia to Australia.

1. **Antigonon leptopus** Hook. & Arn. Bot. Beechy's Voy (1841) 308, t. 69.

British North Borneo, *Clemens 9622!* Introduced from tropical America.

No representative of the *Chenopodiaceae* is definitely reported from Borneo; the pantropic *Chenopodium ambrosioides* Linn. doubtless occurs there.

Amaranthaceae.

1. **Celosia argentea** Linn. Sp. Pl. (1753) 205.

British North Borneo, *Clemens 9839!*; Sarawak, *Native collector 472!* *Bur. Sci.* Pantropic.

1. **Amaranthus mangostanus** Linn. Cent. Pl. 1 (1755) 32; Becc. Nelle Foreste di Borneo (1902) 596.

Sarawak, *Beccari*. Tropical Asia and Malaya.

2. **Amaranthus spinosus** Linn. Sp. Pl. (1753) 991.

British North Borneo, *Clemens 10289!*, *Topping 1554!*; Sarawak, *Native collector 2339!* *Bur. Sci.* Pantropic.

3. *Amaranthus viridis* Linn. Sp. Pl. ed. 2 (1763) 1405.

Sarawak, *Native collector* 2341! *Bur. Sci.*; British North Borneo, *Clemens* 9667!, 9735! Pantropic.

1. *Cyathula prostrata* (Linn.) Blume Bijdr. (1825) 549; Winkler in Engl. Bot. Jahrb. 49 (1913) 366; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 124.

Dutch Borneo, *Winkler* 2586; British North Borneo, *Gibbs* 3134, *Yates* 12!, 57! Sarawak, *Native collector* 1971! *Bur. Sci.* Pantropic.

1. *Nothosaerva brachiata* (L.) Wight Ic. 6 (1853) 1; Winkler in Engl. Bot. Jahrb. 49 (1913) 366.

Dutch Borneo, *Winkler* 2950. Tropical Africa, Asia, and Malaya.

1. *Psilotrichum trichotomum* Blume Bijdr. (1825) 545; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 23.

Borneo, fide *Boerlage* l.c. India to Java.

1. *Achyranthes aspera* Linn. Sp. Pl. (1753) 204.

British North Borneo, *Clemens* 10478! Tropics of the Old World.

1. *Alternanthera sessilis* (Linn.) R. Br. Prodr. (1810) 417; Winkler in Engl. Bot. Jahrb. 49 (1913) 366; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 124.

Dutch Borneo, *Winkler* 2140, 2949, *Schlechter* 13407; British North Borneo, *Gibbs* 2755; *Yates* 27! Pantropic.

1. *Gomphrena globosa* Linn. Sp. Pl. (1753) 224.

Sarawak, *Native collector* 411! *Bur. Sci.* Pantropic in cultivation and wild.

No representative of the *Basellaceae* is definitely recorded from Borneo; the widely cultivated *Basella alba* Linn. doubtless occurs there. Likewise no representative of the *Caryophyllaceae* is known from Borneo; doubtless the pantropic *Drymaria cordata* Willd. occurs there and perhaps representatives of one or two other genera.

Nyctaginaceae.

No representative of this family is definitely reported from Borneo. *Bougainvillea speciosa* Willd. is cultivated for ornamental purposes in the coastal towns (*Clemens!* *Villamil!*). Doubtless several species of *Pisonia* occur in the Island, as well as the common *Boerhaavia diffusa* Linn.

Aizoaceae.

1. *Mollugo pentaphylla* Linn. Sp. Pl. (1753) 89. *Mollugo stricta* Linn.; Winkler in Engl. Bot. Jahrb. 49 (1913) 369.

Dutch Borneo, *Winkler* 2207. Tropical Asia to Polynesia.

Portulacaceae.

1. *Portulaca oleracea* Linn. Sp. Pl. (1753) 445.

British North Borneo, *Clemens* 9666! All warm countries; the common purslane.

Nymphaeaceae.

1. *Barclaya motleyi* Hook. f. in Trans. Linn. Soc. 23 (1860) 157, t. 20; Miq. Ill. Fl. Archip. Ind. (1871) 43; King in Journ. As. Soc. Bēng. 58|2 (1889) 390.

Dutch Borneo, *Motley*, *Korthals*; Sarawak, *Lobb*, *Native collector* 538! *Bur. Sci.*, *Hose* 333!, 586! Malay Peninsula, Sumatra, New Guinea.

1. *Nelumbium nelumbo* (Linn.) Druce Bot. Exch. Club (1914) 421. *Nelumbium speciosum* Willd.; Becc. Nelle Foreste di Borneo (1902) 167. *Nelumbo nucifera* Gaertn.; Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 242.

Dutch Borneo, *Korthals*; Sarawak, *Beccari*. Widely distributed in the warmer parts of the Old World; the lotus.

1. *Nymphaea stellata* Willd. Sp. Pl. 2 (1800) 1153.

British North Borneo, *Clemens* 9760! Tropical Asia, Africa and Malaya.

No representative of the small family *Ceratophyllaceae* is reported from Borneo; *Ceratophyllum demersum* Linn. doubtless occurs there in lakes and in slow streams.

Ranunculaceae.

1. *Ranunculus lowii* Stapf in Hook. Ic. IV 3 (1893) t. 2261, Trans Linn. Soc. Bot. 4 (1894) 127; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 68.

British North Borneo, *Low*, *Haviland*, *Haslam*!, *Topping* 1685!, *Clemens* 10614!, 10624! Endemic.

1. *Clematis smilacifolia* Wall. in As. Research. 13 (1820) 402; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 68; Hallier f. in Ann. Jard. Bot. Buitenz. 14 (1897) 256, t. 18 (subvar. *coriacea* O. Kuntze)

British North Borneo, *Creagh*, *Fraser*, *Haviland* 1501.

1. *Naravelia dasyoneura* Korth. in Nederl. Kruidk. Arch. 1 (1848) 208; Walp. Ann. 2 (1850) 5; Miq. Fl. Ind. Bat. 1|2 (1858-59) 2, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 65; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 68. *Clematis dasyoneura* O. Kuntze; Hallier f. in Ann. Jard. Bot. Buitenz. 14 (1897) 286.

Dutch Borneo, *Korthals*. Sumatra, Java.

2. *Naravelia laurifolia* Wall. Cat. (1831) No. 4685; Ridl. in Sarawak Mus. Journ. 13 (1913) 68. *Clematis zeylanica* Linn. var. *laurifolia* O. Kuntze; Hallier f. in Ann. Jard. Bot. Buitenz. 14 (1897) 263.

Dutch Borneo, *Teysmann*. India to Malaya and the Philippines.

Menispermaceae.

1. *Pycnarrhena borneensis* (Boerl.) Diels in Engl. Pflanzenreich 46 (1910) 53. *Kibara borneensis* Boerl. ex Diels l.c. in syn.

Dutch Borneo, *Korthals*, *Jaheri* 1745. Endemic.

2. *Pycnarrhena tumefacta* Miers in Ann. Nat. Hist. III 20 (1867) 11, Contrib. Bot. 3 (1871) 353; Becc. Malesia 1 (1877) 53; Diels in Engl. Pflanzenreich 46 (1910) 53.

Dutch Borneo, *Korthals*. Endemic.

1. *Arcangelisia flava* (Linn.) Merr. Interpret. Herb. Amb. (1917) 222. *Menispermum flavum* Linn. in Stickman Herb. Amb. (1754) 14; Amoen. Acad. 4 (1759) 128; Syst. ed. 10 (1759) 992. *Anamirta lemniscata* Miers in Ann. Nat. Hist. III 16 (1864) 51, Contrib. Bot. 3 (1871) 54. *Arcangelisia lemniscata* Becc. Malesia 1 (1877) 147; Diels in Engl. Pflanzenreich 46 (1910) 106.

Sarawak, *Beccari* 2674; Dutch Borneo, *Teysmann* 7475. Java, the Philippines, Moluccas, and New Guinea.

1. *Coscinium fenestratum* (Gaertn.) Colebr. in Trans. Linn. Soc. 13 (1882) 51; Becc. Malesia 1 (1877) 144; Diels in Engl. Pflanzenreich 46 (1910) 113.

Borneo, *C. Bock* in Herb. Kew. India, Ceylon, Sumatra.

1. *Tinomisium petiolare* (Wall.) Miers in Ann. Nat. Hist. II 7 (1851) 44; Diels in Engl. Pflanzenreich 46 (1910) 118.

Sarawak, *Haviland* 2336; British North Borneo, *Creagh*; Dutch Borneo, *Hallier* 326. Assam to Tonkin, Malay Peninsula, Sumatra.

1. *Fibraurea chloroleuca* Miers in Ann. Nat. Hist. III 13 (1864) 489, Contrib. Bot. 3 (1871) 42; King in Journ. As. Soc. Beng. 58/2 (1889) 380; Diels in Engl. Pflanzenreich 46 (1910) 120, f. 43. *Fibraurea tinctoria* Miq. Fl. Ind. Bat. 1/2 (1858) 87, Ann. Mus. Bot. Lugd.-Bat. 4 (1868) 81; Becc. Malesia 1 (1877) 142, non Lour.

Dutch Borneo, *Barber* 284, 129, *Motley* 153; *Korthals*, *Teysmann* 8083; Sarawak, *Beccari* 2361, *Haviland* 513, 2248, 3153, 3353, *Native collector* 243!, 418!, 1099!, 2377! *Bur. Sci.* Tavoy to Penang, Malay Peninsula, Sumatra, Java, Celebes.

2. *Fibraurea laxa* Miers in Ann. Nat. Hist. III 13 (1864) 489, Contrib. Bot. 3 (1871) 43; Becc. Malesia 1 (1877) 142; Diels in Engl. Pflanzenreich 46 (1910) 120.

Labuan, *Lobb*. Endemic.

1. *Tinospora crispa* (Linn.) Miers in Hook. f. & Th. Fl. Ind. 1 (1855) 183; Diels in Engl. Pflanzenreich 46 (1910) 142. *Tinospora uliginosa* Miers Ann. Nat. Hist. III 13 (1864) 321, Contrib. Bot. 3 (1871) 35; Walp. Ann. 7 (1868) 62; Becc. Malesia 1 (1877) 139; King in Journ. As. Soc. Beng. 58|2. (1889) 378.

Dutch Borneo, *Motley*. Ceylon, Silhet, Malay Peninsula, Moluccas.

2. *Tinospora havilandii* Diels in Engl. Pflanzenreich 46 (1910) 138.

Sarawak, *Haviland 1581*. Endemic.

3. *Tinospora teysmannii* Boerl. Cat. Hort. Bog. (1901) 117; Diels l.c. 141.

Dutch Borneo, *Teysmann*. Endemic.

4. *Tinospora trilobata* Diels in Engl. Pflanzenreich 46 (1910) 144; Winkler in Engl. Bot. Jahrb. 49 (1913) 369.

Dutch Borneo, *Winkler 2646, 2837*. Endemic.

1. *Parabaena amplifolia* Diels in Engl. Pflanzenreich 46 (1910) 146.

Dutch Borneo, *Hallier 2794*. Endemic.

2. *Parabaena hirsuta* (Becc.) Diels l.c. 147. *Aspidocarya hirsuta* Becc. Malesia 1 (1877) 136.

Sarawak, *Beccari 2317, Haviland 2833*; Dutch Borneo, *Jaheri 1180, Hallier 1532*. Endemic.

1. *Hypserpa cuspidata* (Wall.) Miers in Ann. Nat. Hist. II 7 (1851) 40, Contrib. Bot. 3 (1871) 102, t. 108; Diels in Engl. Pflanzenreich 46 (1910) 206, f. 71. *Limacia borneensis* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868) 83. *Hypserpa borneensis* Becc. Malesia 1 (1877) 149. *Hypserpa propensa* Miers in Ann. Nat. Hist. III 14 (1864) 365, Contrib. Bot. 3 (1871) 105.

Sarawak, *Beccari 3541*; British North Borneo, *Creagh*; Dutch Borneo, *Korthals, Jaheri 1667, Motley 179, Hallier 1102*. Sikkim to Ceylon, Malay Peninsula, Sumatra, and the Philippines.

2. *Hypserpa heteromera* Miers in Ann. Nat. Hist. III 14 (1864) 365, Contrib. Bot. 3 (1871) 104; Diels in Engl. Pflanzenreich 46 (1910) 210.

Dutch Borneo, *Motley 710*. Endemic.

1. *Limacia cerasifolia* Becc. Malesia 1 (1877) 150; Diels in Engl. Pflanzenreich 46 (1910) 215.

Sarawak, *Beccari*; Dutch Borneo, *Teysmann* 8084. Endemic.

1. **Pericampylus glaucus** (Lam.) Merr. Interpret. Herb. Amb. (1917) 219. *Menispermum glaucum* Lam. Encycl. 4 (1797) 100. *Cocculus incanus* Colebr. in Trans. Linn. Soc. 13 (1822) 57. *Pericampylus incanus* Miers. in Ann. Nat. Hist. II 7 (1851) 40, Contrib. Bot. 3 (1871) 118, t. 111; Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868) 85; Becc. Malesia 1 (1877) 151; Diels in Engl. Pflanzenreich 46 (1910) 217.

Sarawak, *Beccari* 2730, *Haviland* 1526, *Native collector* 244! *Bur. Sci.*; British North Borneo, *Clemens* 9925!, 9668!, 10159!; Dutch Borneo, *Korthals*, *Hallier* 893, 928, *Motley* 278. India to Southern China and Formosa southward to Timor and Amboina.

1. **Diploclisia kunstleri** (King) Diels in Engl. Pflanzenreich 46 (1910) 227. *Cocculus kunstleri* King in Journ. As. Soc. Beng. 58/2 (1889) 384.

Sarawak, *Beccari* 1667, *Haviland* 769, 1814, *Native collector* 2175! *Bur. Sci.* Malay Peninsula and CochinChina.

1. **Pachygone pubescens** (F. Muell.) Benth. Fl. Austral. 1 (1863) 58; Diels in Engl. Pflanzenreich 46 (1910) 245; Winkler in Engl. Bot. Jahrb. 49 (1913) 369. *Tristichocalyx pubescens* F.-Muell. Fragm. 4 (1863) 27.

Dutch Borneo, *Winkler* 2582. Banka, New Guinea, northern Australia.

1. **Stephania capitata** (Blume) Spreng. Syst. 42 (1827) 316; Diels in Engl. Pflanzenreich 46 (1910) 281. *Stephania longifolia* Becc. Malesia 1 (1877) 156.

Sarawak, *Beccari* 1054. Malay Peninsula, Sumatra, Java.

2. **Stephania corymbosa** (Blume) Walp. Repert. 1 (1842) 96; Diels l.c. 267. *Stephania ramuliflora* Miers Contrib. Bot. 3 (1871) 232.

Sarawak, *Haviland*; Dutch Borneo, *Motley*. Malay Peninsula, Sumatra, Java.

3. **Stephania hallierii** Diels in Engl. Pflanzenreich 46 (1910) 281.

Dutch Borneo, *Hallier* 1832. Endemic.

4. **Stephania hernandifolia** (Willd.) Walp. Repert. 1 (1842) 96; Diels in Engl. Pflanzenreich 46 (1910) 279.

Sarawak, *Haviland*. India to western China through Malaya to eastern Australia. *Stephania rotunda* Lour. reported from Borneo by *Beccari*, Malesia 1 (1877) 155, is probably a misidentification for one of the above species or perhaps *S. venosa* (Blume) Spreng.; *Loureiro's* species is known only from CochinChina.

1. *Cissampelos pareira* Linn. Sp. Pl. (1753) 1031; Diels in Engl. Pflanzenreich 46 (1910) 286; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 58.

British North Borneo, *Creagh*, *Gibbs* 2680, 2833, *Clemens* 10250! Pantropic.

1. *Cyclea peregrina* Miers in Ann. Nat. Hist. III 18 (1866) 20, Contrib. Bot. 3 (1871) 242; Diels in Engl. Pflanzenreich 46 (1910) 316.

Dutch Borneo, *Motley* 673. Endemic.

2. *Cyclea robusta* Becc. Malesia 1 (1877) 157; Diels in Engl. Pflanzenreich 46 (1910) 316.

Sarawak, *Beccari*; Dutch Borneo, *Hallier* 3033. Endemic. *Cyclea peltata* Hook. f. & Th. reported from Borneo by *Beccari*, Malesia 1 (1877) 157, *Motley*, is probably an erroneous identification of *C. peregrina* Miers; *C. peltata* Hook. f. & Th.—*C. wallichii* Diels extends from India to the Nicobar Islands.

Magnoliaceae.

1. *Magnolia maingayi* King in Journ. As. Soc. Beng. 58|2 (1889) 369; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 72.

Sarawak, *Haviland* 939, *Beccari* 3660, 2661. Malay Peninsula.

1. *Talauma beccarii* Ridl. in Kew Bull. (1912) 381, Sarawak Mus. Journ. 1|3 (1913) 72.

Sarawak, *Beccari* 3959. Endemic.

2. *Talauma candollei* Blume in Verh. Bat. Genoots. 1: 147, Bijdr. (1825) 9; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 72.

British North Borneo, *Creagh*, *Ridley* 9047. Malay Archipelago.

3. *Talauma gigantifolia* Miq. Fl. Ind. Bat. 1:2 (1858) 15; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 72.

Sarawak, *Haviland* 1801. Sumatra.

4. *Talauma obovata* Korth. in Nederl. Kruidk. Arch. 2 (1851) 98; Miq. Fl. Ind. Bat. 1|2 (1858) 14, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 69; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 72.

Dutch Borneo, *Korthals*; Borneo, *Low*. Endemic.

1. *Michelia champaca* Linn. Sp. Pl. (1753) 536; Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 72; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 72.

Dutch Borneo, *Korthals*; British North Borneo, *Creagh*, *Villamil* 287! India to Malaya usually in cultivation.

1. *Kadsura scandens* Blume Fl. Jav. Schizandreae (1828) 9. t. 1; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 72.

Sarawak, *Beccari 1637*; British North Borneo, *Clemens 10394!* Malay Peninsula and Archipelago to the Philippines.

1. *Illicium stapfii* Merr. in Philip. Journ. Sci. 14 (1918) Bot. 67. *Illicium* sp. Stapf in Trans. Linn. Soc. Bot. 4 (1894) 128, cum descr.; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 71.

British North Borneo, *Haviland 1272, Clemens 10949!, 10995!, 11081!*

1. *Drimys piperita* Hook. f. Ic. II 5 (1852) t. 896; Walp. Ann. 4 (1857) 43; Becc. Malesia 1 (1877) 185; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 128; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 56; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 71.

British North Borneo, *Low, Haviland 2067, Lobb, Gibbs 4426, Haslam!, Clemens 10502!, 10687!*, Sarawak, *Jee Koo!, Native collector 2931!* Bur. Sci. Philippines, New Guinea.

Annonaceae.

1. *Alphonsea javanica* Scheff. in Tijdschr. Nederl. Ind. 31 (1870) 340, Flora 53 (1870) 242; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 96.

Sarawak, *Beccari 2621, Haviland & Hose 2115, Sarawak Museum 38!* Java.

1. *Mezzettia havilandii* (Boerl.) Ridl. in Sarawak Mus. Journ. 1|3 (1913) 96. *Mezzettia parviflora* Becc. var *havilandii* Boerl. in Ic. Bogor. 1 (1899) 111.

Sarawak, *Haviland 2335*. Endemic.

2. *Mezzettia parviflora* Becc. in Nuov. Giorn. Bot. Ital. 3 (1871) 188, t. 4, f. 4-10; Scheff. in Nat. Tijdschr. Nederl. Ind. 34 (1874) 83; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 96.

Sarawak, *Beccari 308, 2558, 2586*.

Var. *subtetramera* Boerl. in Ic. Bogor. 1 (1899) 11. Cultivated in the Botanic Garden, Buitenzorg, Java, probably from Borneo. Endemic.

3. *Mezzettia paucifolia* Ridl. in Kew Bull. (1912) 389, Sarawak Mus. Journ. 1|3 (1913) 97.

Sarawak, *Haviland 1952*. Endemic.

4. *Mezzettia umbellata* Becc. in Nuov. Giorn. Bot. Ital. 3 (1871) 187, t. 6, f. 1-3; Scheff. in Nat. Tijdschr. Nederl. Ind. 34 (1874) 83, Ann. Jard. Bot. Buitenz. 2 (1885) 9; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 96.

Sarawak, *Beccari 1421, Haviland 907, 2104*; Dutch Borneo, *Teysmann 8643*.

Var. *abbreviata* Boerl. in Ic. Bogor. 1 (1899) 112, t. 30. Dutch Borneo, *Jaheri*. Endemic.

1. *Mezzettiopsis creaghii* Ridl. in Kew Bull. (1912) 389, Sarawak Mus. Journ. 1|3 (1913) 97.

British North Borneo, *Creagh*. A monotypic endemic genus.

1. *Sageraea elliptica* (A. DC.) Hook. f. & Th. Fl. Ind. 1 (1855) 93; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 73.

Sarawak, *Haviland 2215*. Burma to the Malay Peninsula and Penang.

2. *Sageraea lanceolata* Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 10; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 73.

Dutch Borneo, *Korthals*; British North Borneo, *Fraser*. Endemic.

1. *Milisia macropoda* Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 40.

Dutch Borneo, *Korthals*. Endemic.

1. *Uvaria acuminatissima* Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 6; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 74.

Dutch Borneo, *Korthals*. Endemic.

2. *Uvaria argentea* Blume Fl. Jav. Anon. (1828) 24; Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 8; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 73.

Dutch Borneo, *Korthals*. Java.

3. *Uvaria cauliflora* Ridl. in Kew Bull. (1912) 382; Sarawak Mus. Journ. 1|3 (1913) 74.

Sarawak, *Haviland 417, 409, Beccari 1120*. Endemic.

4. *Uvaria excelsa* Wall. Cat. (1832) No. 6477; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 74.

Sarawak, *Haviland 422*. Malay Peninsula, Penang.

5. *Uvaria lanuginosa* Ridl. in Kew Bull. (1912) 382, Sarawak Mus. Journ. 1|3 (1913) 75.

Sarawak, *Haviland & Hose 334*. Endemic.

6. *Uvaria littoralis* Blume Fl. Jav. Anon. (1828) 26, t. 7, Boerl. in Ic. Bogor. 1 (1899) 93.

Borneo, fide *Boerlage l.c.* Java, Timor, Sumbawa.

7. *Uvaria monticola* Miq. Ann. Bot. Lugd.-Bat. 2 (1865-66) 5; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 74.

Dutch Borneo, *Korthals*. Endemic.

8. *Uvaria ovalifolia* Blume Fl. Jav. Anon. (1828) 27; Scheff. in Ann. Jard. Bot. Buitenz. 2 (1885) 2; King in Ann. Bot. Gard. Calcutta 4 (1893) 21, t. 13; Miq. Ann. Mus. Bot. Lugd.-Bat.

2 (1865-66) 6 incl. vars. *normalis*, *acranthera*, *borneensis*, and *racemiflora*; Ridl. in Sarawak Mus. Journ. 1/3 (1913) 75 (incl. var. *glabrata* Ridl.)

Dutch Borneo, *Teysmann*, *Korthals*; Sarawak, *Beccari* 1760, 3756, *Haviland* 2315, *Hose* 601!, 83!, 180!, 112; British North Borneo, *Fraser*, *Creagh*, *Clemens* 9783! Burma to Malaya.

9. *Uvaria ptychocalyx* Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 4; King in Ann. Bot. Gard. Calcutta 4 (1893) 31, t. 28; Ridl. in Sarawak Mus. Journ. 1/3 (1913) 74.

Dutch Borneo, *Korthals*, *Motley*. Burma, Sumatra.

10. *Uvaria purpurea* Blume Bijdr. (1825) 11; King in Ann. Bot. Gard. Calcutta 4 (1893) 21; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 57; Ridl. in Sarawak Mus. Journ. 1/3 (1913) 75.

Dutch Borneo, *Korthals*; British North Borneo, *Creagh*, *Gibbs* 2805. Southern Asia to Malaya.

11. *Uvaria verrucosa* Scheff. in Ann. Jard. Bot. Buitenz. 2 (1885) 3; Ridl. in Sarawak Mus. Journ. 1/3 (1913) 74.

Dutch Borneo, *Teysmann*. Endemic.

1. *Ellipeia coriacea* Scheff. in Ann. Jard. Bot. Buitenz. 2 (1885) 4; Boerl. in Ic. Bogor. 1 (1899) 98, t. 30.

Dutch Borneo, *Teysmann* 10842. Endemic.

2. *Ellipeia cuneifolia* Hook. f. & Th. Fl. Ind. 1 (1855) 104; Ridl. in Sarawak Mus. Journ. 1/3 (1913) 76. *Ellipeia gilva* Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 9; Boerl. in Ic. Bogor. 1 (1899) 97, t. 29.

Dutch Borneo, *De Vriese*; Sarawak, *Haviland* 1504, *Beccari* 318, 3776. Malay Peninsula.

3. *Ellipeia laha* Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865) 10. *Uvaria laha* Miq. Fl. Ind. Bat. Suppl. (1860-62) 369; Becc. in Nuov. Giorn. Bot. Ital. 3 (1871) 180; Scheff. in Nat. Tijdschr. Nederl. Ind. 34 (1874) 78.

Dutch Borneo, *Motley*. Sumatra.

1. *Tetrapetalum volubile* Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 1; Becc. in Nuov. Giorn. Bot. Ital. 3 (1871) 179; Ridl. in Sarawak Mus. Journ. 1/3 (1913) 73.

Dutch Borneo, *De Vriese*; Sarawak, *Haviland*. A monotypic endemic genus.

1. *Sphaerotheralamus insignis* Hook. f. in Trans. Linn. Soc. 23 (1860) 156, t. 20 B, C, f. 1-6; Becc. in Nuov. Giorn. Bot. Ital. 3 (1871) 190, t. 7; Scheff. in Nat. Tijdschr. Nederl. Ind. 34 (1874) 85; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 57; Ridl. in Sarawak Mus. Journ. 1/3 (1913) 73.

Sarawak, *Beccari* 378, 530, 1100, 1264, 2463, 2964, *Haviland*, *Lobb*; British North Borneo, *Creagh*, *Gibbs* 2685. An endemic monotypic genus.

1. *Marcuccia grandiflora* Becc. in Nuov. Giorn. Bot. Ital. 3 (1871) 183, t. 3; Scheff. in Nat. Tijdschr. Nederl. Ind. 34 (1874) 79; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 73.

Sarawak, *Beccari* 1788, 2541. A monotypic endemic genus.

1. *Enicosanthum paradoxum* Becc. in Nuov. Giorn. Bot. Ital. 3 (1871) 184, t. 5, f. 13-17; Scheff. in Nat. Tijdschr. Nederl. Ind. 34 (1874) 80; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 73.

Sarawak, *Beccari* 3770. A monotypic endemic genus.

1. *Anaxagorea ramiflora* Boerl. in Ic. Bogor. 1 (1899) t. 41; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 83.

Dutch Borneo, *Jaheri*. Endemic.

1. *Desmos borneensis* (Miq.) comb. nov. *Unona borneensis* Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 11; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 78.

Dutch Borneo, *Korthals*. Endemic.

2. *Desmos chinensis* Lour. Fl. Cochinch. (1790) 352. *Unona discolor* Vahl; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 79.

Sarawak, *Beccari* 3420, *Motley*; British North Borneo, *Creagh*, India to China and Malaya.

3. *Desmos conchyliaata* (Ridl.) comb. nov. *Unona conchyliaata* Ridl. in Kew Bull. (1912) 384.

Sarawak, *Haviland* 1779. Endemic.

4. *Desmos desmantha* (Hook. f. & Th.) Safford in Bull. Torr. Bot. Club 39 (1912) 508. *Unona desmantha* Hook. f. & Th. in Hook. f. Fl. Brit. Ind. 1 (1872) 61; King in Ann. Bot. Gard. Calcutta 4 (1893) 60, t. 83.

Borneo, *Hullett*. Malay Peninsula.

5. *Desmos flagellaris* (Becc.) comb. nov. *Unona flagellaris* Becc. in Nuov. Giorn. Bot. Ital. 3 (1871) 186, t. 5, f. 9-12; Scheff. in Nat. Tijdschr. Nederl. Ind. 34 (1874) 82; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 79.

Sarawak, *Beccari* 3864. Endemic.

6. *Desmos jambosifolia* (Ridl.) comb. nov. *Unona jambosifolia* Ridl. in Kew Bull. (1912) 384, Sarawak Mus. Journ. 1|3 (1913) 80.

British North Borneo, *Creagh*, *Fraser*. Endemic.

7. *Desmos purpurata* (Ridl.) comb. nov. *Unona purpurata* Ridl. in Sarawak Mus. Journ. 1|3 (1913) 79.

Sarawak, *Haviland* 1779. Endemic.

8. *Desmos subbiglandulosus* (Miq.) Merr. in Philip. Journ. Sci. 10 (1915) Bot. 235. *Unona subbiglandulosa* Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 11.

Dutch Borneo, *Korthals*. Endemic.

9. *Desmos teysmannii* (Boerl.) Merr. in Philip. Journ. Sci. 10 (1915) Bot. 235. *Unona teysmannii* Boerl. in Ic. Bogor. 1 (1899) 103; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 79.

Dutch Borneo, *Teysmann*. Endemic.

10. *Desmos verrucosa* (Becc.) comb. nov. *Unona verrucosa* Becc. in Nuov. Giorn. Bot. Ital. 3 (1871) 185, t. 4; Scheff. in Nat. Tijdschr. Nederl. Ind. 34 (1879) 81; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 79.

Sarawak, *Beccari* 2562. Endemic.

1. *Monocarpia euneura* Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 12; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 76.

Dutch Borneo, *Korthals*. Endemic.

1. *Canangium odoratum* (Lam.) Baill. ex King in Journ. As. Soc. Beng. 61|2 (1892) 41. *Cananga odorata* Hook. f. & Th.; Becc. Nelle Foreste di Borneo (1902) 589.

Sarawak, fide *Beccari*. India to Malaya; widely cultivated.

1. *Polyalthia anomala* Becc. in Nuov. Giorn. Bot. Ital. 3 (1871) 188, t. 5, f. 1-8; Scheff. in Nat. Tijdschr. Nederl. Ind. 34 (1874) 84; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 83.

Sarawak, *Beccari* 1605. Endemic.

2. *Polyalthia beccarii* King in Journ. As. Soc. Beng. 61|2 (1892) 65, Ann. Bot. Gard. Calcutta 4 (1893) 81, t. 110 B; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 80.

Sarawak, *Beccari* 668, 710, 391, 2277, *Hose* 558!, *Motley* 743, *Haviland*. Sumatra, Malay Peninsula.

3. *Polyalthia coriacea* Ridl. in Kew Bull. (1912) 283, Sarawak Mus. Journ. 1|3 (1913) 82.

Sarawak, *Haviland* 2002, *Brooks*. Endemic

4. *Polyalthia eriantha* Ridl. in Kew Bull. (1912) 384, Sarawak Mus. Journ. 1|3 (1913) 81.

Sarawak, *Haviland* 410. Endemic.

5. *Polyalthia havilandii* Boerl. in Ic. Bogor. 1 (1899) 107, t. 56; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 81.

Sarawak, *Haviland*. Endemic.

6. *Polyalthia hypoleuca* Hook. f. & Th. in Hook. f. Fl. Brit. Ind. 1 (1872) 63; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 81.

Borneo, *Motley*. Malay Peninsula.

7. *Polyalthia jenkinsii* Hook. f. Fl. Brit. Ind. 1 (1872) 64; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 81. *Polyalthia canangioides* Boerl. in Cat. Hort. Bogor. (1899) 18, Ic. Bogor. 1 (1899) 105. *Monoon canangioides* Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 18.

Sarawak, *Haviland 105, 420, 1057, 2217, Hose 72!* India to the Malay Peninsula, Sumatra, Celebes, and the Moluccas.

8. *Polyalthia microtus* Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 13.

Dutch Borneo, *Korthals*. Endemic.

9. *Polyalthia nervosa* Boerl. in Ic. Bogor. 1 (1899) 108, t. 68, f. 1-5; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 82.

Dutch Borneo, *Teysmann*

Var. *nieuwenhuisii* Boerl. Ic. t. 68, f. 6; Ridl. l.c.

Dutch Borneo, *Jaheri*. Endemic.

10. *Polyalthia obliqua* Hook. f. & Th. Fl. Ind. 1 (1855) 138; Miq. Fl. Ind. Bat. 1|2 (1858) 44; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 81.

Borneo, *Low*. Malay Peninsula, Sumatra, Chittagong.

11. *Polyalthia oblonga* King in Journ. As. Soc. Beng. 61|2 (1892) 65, Ann. Bot. Gard. Calcutta 4 (1893) 80, t. 113; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 81.

Sarawak, *Beccari 1621, Haviland 1711, 3149*. Malay Peninsula, Penang.

12. *Polyalthia* (?) *pulchrinervia* Boerl. in Ic. Bogor. 1 (1899) 106.

Borneo, fide *Boerlage* l.c. Endemic

13. *Polyalthia* (?) *sakumbangensis* Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 13.

Dutch Borneo, *Korthals*. Endemic.

14. *Polyalthia sublanceolata* (Miq.) comb. nov. *Monoon sublanceolatum* Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 18; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 83.

Dutch Borneo, *Korthals*. Endemic.

15. *Polyalthia submitrata* (Miq.) Ridl. in Sarawak Mus. Journ. 1|3 (1913) 82. *Monoon submitratum* Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 16.

Dutch Borneo, *Korthals*. Endemic.

16. **Polyalthia sumatrana** Kurz in Journ. As. Soc. Beng. 43|2 (1874) 53; King in Journ. As. Soc. Beng. 61|2 (1892) 53, Ann. Bot. Gard. Calcutta 4 (1893) 66, t. 89; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 80. *Guatteria sumatrana* Miq. Fl. Ind. Bat. Suppl. (1860-62) 380. *Monoon sumatranum* Miq. l.c.

Dutch Borneo, *Korthals*; Sarawak, *Beccari* 630, 1168, 1568, 1438, *Haviland* 2210, 1680. Sumatra, Malay Peninsula.

17. **Polyalthia teysmannii** (Miq.) Boerl. in Ic. Bogor. 1 (1899) 107; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 80. *Monoon teysmannii* Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 19. *Guatteria teysmannii* Miq. Fl. Ind. Bat. Suppl. (1860-62) 380.

Dutch Borneo, *Korthals*. Billiton.

1. **Disepalum anomalum** Hook. f. in Trans. Linn. Soc. 23 (1860) 156, t. 20, f. 1-6; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 83.

Sarawak, *Lobb*, *Haviland* 1652, *Beccari* 756, *Ridley* 12255, *Native collector* 1836! *Bur. Sci.* Endemic.

2. **Disepalum coronatum** Becc. in Nuov. Giorn. Bot. Ital. 2 (1870) 155, t. 5; Scheff. in Nat. Tijdschr. Nederl. Ind. 34 (1874) 70, Ann. Jard. Bot. Buitenz. 2 (1885) 9; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 83.

Sarawak, *Beccari* 1722, *Haviland* 1502, 2024; Dutch Borneo, *Teysmann* 8195, 8199, 8642. Endemic.

3. **Disepalum grandiflorum** Ridl. in Kew Bull. (1912) 384, Sarawak Mus. Journ. 1|3 (1913) 83.

Sarawak, *Hose* 142, 214. Endemic.

4. **Disepalum longipes** King in Journ. As. Soc. Beng. 61|2 (1892) 69, Ann. Bot. Gard. Calcutta 4 (1893) 86, t. 118 B.

Sarawak, *Beccari* 1645. Malay Peninsula.

1. **Oxymitra biglandulosa** (Blume) Scheff. in Nat. Tijdschr. Nederl. Ind. 3 (1870) 341; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 88. *Monoon biglandulosum* Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865) 19.

Dutch Borneo, *Korthals*. Malay Peninsula and Archipelago.

2. **Oxymitra borneensis** Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 30; Scheff. in Ann. Jard. Bot. Buitenz. 2 (1885) 27; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 88.

Dutch Borneo, *Teysmann* 10847, *Korthals*; Sarawak, *Beccari* 3571, *Haviland* 1831. Endemic.

3. **Oxymitra diadema** Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 31; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 89.

Dutch Borneo, *Teysmann*. Endemic.

4. *Oxymitra excisa* Miq. Ann. Mus. Bot. Lugd.-Bat 2 (1865-66) 32; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 89.

Sarawak, *Haviland* 2216, 2103. Sumatra, Banca.

5. *Oxymitra glauca* Hook. f. & Th. Fl. Ind. 1 (1855) 146; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 88.

Sarawak, *Beccari* 2911, *Haviland* 3152; British North Borneo Wood 444! Malay Peninsula, Sumatra.

6. *Oxymitra korthalsiana* Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 29; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 89.

Dutch Borneo, *Korthals*. Endemic.

7. *Oxymitra linderifolia* Ridl. in Kew Bull. (1912) 385, Sarawak Mus. Journ. 1|3 (1913) 89.

Sarawak, *Haviland* 3333, *Haviland and Hose* 3335. Endemic.

8. *Oxymitra motleyana* Hook. f. in Trans. Linn. Soc. 23 (1860) 155; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 88.

Labuan, *Motley, Barber*. Endemic.

9. *Oxymitra oxyphylla* Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 29; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 89.

Dutch Borneo, *Korthals*. Endemic.

1. *Meiogyne virgata* (Blume) Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 12. *Cyathocalyx virgatus* King; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 76.

Sarawak, *Hose* 155!, 474!; British North Borneo, *Villamil* 306!

Var. *nervosa* Miq.; Boerl. in Ic. Bogor. 1 (1899) 124.

Borneo, fide *Boerlage* l.c. Malay Peninsula, Sumatra, Java.

1. *Dasymaschalon blumei* Finet & Gagnep. in Bull. Soc. Bot. France 53 (1906) Mem. 4: 143. *Unona dasymaschala* Blume Fl. Jav. Anon. (1828) 55, t. 27; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 78. *Unona dasymaschala* Blume var. *blumei* Hook. f.; Boerl. in Ic. Bogor. 1 (1899) 125. *Desmos dasymaschalus* Safford in Bull. Torr. Bot. Club 39 (1912) 507.

Sarawak, *Haviland* 1543; British North Borneo, *Clemens* 11140! India to Sumatra and Java.

2. *Dasymaschalon longiflorum* (Roxb.) Finet & Gagnep. in Bull. Soc. Bot. France 53 (1906) Mem. 4: 143. *Unona longiflora* Roxb. Fl. Ind. ed. 2, 2 (1832) 668; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 79. *Desmos longiflorus* Safford in Bull. Torr. Bot. Club 39 (1912) 507.

Borneo, *Motley, Barber*. India to the Malay Peninsula.

1. *Mitrella kentii* (Hook f. & Th.) Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 39; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 93; Boerl. in Ic. Bogor. 1 (1899) 130, t. 43 C. *Melodorum kentii* Hook. f. & Th. Fl. Ind. 1 (1855) 116.

Sarawak, *Beccari* 2268, 3740; Dutch Borneo, *Korthals*. Java, Banca, Sumatra.

1. *Goniothalamus fasciculatus* Boerl. in Ic. Bogor. 1 (1899) 136, t. 59; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 85.

Dutch Borneo, *Jaheri*. Endemic.

2. *Goniothalamus giganteus* (Wall.) Hook. f. & Th. Fl. Ind. 1 (1855) 109; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 84.

Sarawak, *Haviland* 2107. Malay Peninsula.

3. *Goniothalamus macrophyllus* (Blume) Hook. f. & Th. Fl. Ind. 1 (1855) 74; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 84. *Trivalvaria macrophylla* Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 19. *Goniothalamus suaveolens* Becc. Nelle Foreste di Borneo (1902) 168, 520, *nomen nudum*.

Sarawak, *Haviland* 2032, 424, *Beccari* 2327. Malay Peninsula, Sumatra, Java.

4. *Goniothalamus malayanus* Hook. f. & Th. Fl. Ind. 1 (1855) 107; King in Ann. Bot. Gard. Calcutta 4 (1883) 94, t. 128 B; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 84. *Goniothalamus dispermus* Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 34; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 129; Scheff. in Ann. Jard. Bot. Buitenz. 2 (1885) 25. *Goniothalamus malayanus* Hook. f. & Th. var. *dispermus* Boerl. in Ic. Bogor. 1 (1899) 136.

Dutch Borneo, *Teysmann*, *Korthals*, *DeVriese*; Sarawak, *Haviland* 6, 924, 1313; *Motley*. Malay Peninsula, Banca, Billiton.

5. *Goniothalamus parallelivenius* Ridl. in Kew Bull. (1912) 385, Sarawak Mus. Journ. 1|3 (1913) 85.

Sarawak, *Beccari* 3772. Endemic.

6. *Goniothalamus ridleyi* King in Journ. As. Soc. Beng. 61|2 (1892) 76; Ann. Bot. Gard. Calcutta 4 (1893) 98, t. 138; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 85. *Goniothalamus lateritus* Becc. Nelle Foreste di Borneo (1902) 324, 536, *nomen nudum*.

Sarawak, *Beccari* 3610. Singapore.

7. *Goniothalamus roseus* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 130; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 84; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 58.

British North Borneo, *Haviland 1312, Gibbs 4105, Clemens 10077! 10383!, 10418!, 10849!* Endemic.

8. *Goniothalamus rufus* Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 35; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 84.

Dutch Borneo, *Korthals*; Sarawak, *Haviland 982*. Endemic.

9. *Goniothalamus stenopetalus* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 129; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 84.

British North Borneo, *Haviland 1217, Clemens 10133!*; Endemic.

10. *Goniothalamus tapis* Miq. Fl. Ind. Bat. Suppl. (1860-62) 371; King in Journ. As. Soc. Beng. 61|2 (1892) 77, Ann. Bot. Gard. Calcutta 4 (1893) 99, *t. 140*; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 84.

Sarawak, *Haviland 405, Beccari 788, 1836, 357, Haviland & Hose 3150*. Malay Peninsula, Penang, Sumatra.

11. *Goniothalamus uvarioides* King in Journ. As. Soc. Beng. 61|2 (1892) 78, Ann. Bot. Gard. Calcutta 4 (1893) 100, *t. 143*; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 85.

Dutch Borneo, *Teysmann, Jaheri, Motley 960*. Malay Peninsula.

1. *Melodorum borneense* Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 36; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 88.

Dutch Borneo, *Korthals*. Endemic.

2. *Melodorum cylindricum* Maingay in Hook. f. Fl. Brit. Ind. 1 (1872) 80. *Melodorum cylindraceum* Boerl. in Ic. Bogor. 1 (1899) 133.

Borneo, fide *Boerlage* l.c. Malay Peninsula, Billiton, Banca.

3. *Melodorum fagifolium* Ridl. in Kew Bull. (1912) 386, Sarawak Mus. Journ. 1|3 (1913) 91.

Sarawak, *Hose 397!* Endemic.

4. *Melodorum fulgens* (Wall.) Hook. f. & Th. Fl. Ind. 1 (1855) 120; King in Journ. As. Soc. Beng. 61|2 (1892) 104, Ann. Bot. Gard. Calcutta 4 (1893) 132, *t. 174*; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 90.

Sarawak, *Haviland 416, Lobb*; British North Borneo, *Creagh*; Dutch Borneo, *Teysmann*. Malay Peninsula, Philippines.

5. *Melodorum kinabaluense* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 130; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 90.

British North Borneo, *Haviland 1310*. Endemic.

6. *Melodorum korthalsii* Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 37; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 88.

Dutch Borneo, *Korthals*. Endemic.

7. **Melodorum latifolium** (Dunal) Hook. f. & Th. Fl. Ind. 1 (1855) 115; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 90.

Sarawak, *Beccari 3787, Haviland 849*. Malay Peninsula and Archipelago.

8. **Melodorum longipetalum** Ridl. in Kew Bull. (1912) 387, Sarawak Mus. Journ. 1|3 (1913) 92.

Sarawak, *Haviland 2102 (or 2002)*. Endemic.

9. **Melodorum maingayi** Hook. f. & Th. in Hook. f. Fl. Brit. Ind. 1 (1872) 80; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 90.

Sarawak, *Haviland 80, Bartlett*. Penang, Malay Peninsula

10. **Melodorum manubriatum** (Wall.) Hook. f. & Th. Fl. Ind. 1 (1855) 118; Becc. in Nuov. Giorn. Bot. Ital. 3 (1871) 180; Scheff. in Nat. Tijdschr. Nederl. Ind. 34 (1874) 78; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 88.

Dutch Borneo, *Motley 39*; Sarawak, *Haviland 411*. Malay Peninsula, Penang, Banca.

11. **Melodorum ovalifolium** Ridl. in Kew Bull. (1912) 387, Sarawak Mus. Journ. 1|3 (1913) 92.

Sarawak, *Haviland 3141, 3151*. Endemic.

12. **Melodorum paniculatum** Ridl. in Kew Bull. (1912) 386, Sarawak Mus. Journ. 1|3 (1913) 90.

Sarawak, *Haviland 1845*. Endemic.

13. **Melodorum parviflorum** Scheff. in Nat. Tijdschr. Nederl. Ind. 31 (1871) 344; Boerl. in Ic. Bogor. 1 (1899) 134, t. 45.

Borneo, fide *Boerlage l.c.*

Var. **angustifolium** Boerl. l.c.; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 90.

Sarawak, *Haviland*. Banca, Riouw.

14. **Melodorum rigidum** Ridl. in Kew Bull. (1912) 386, Sarawak Mus. Journ. 1|3 (1913) 91.

Sarawak, *Haviland 421, Beccari 393*. Endemic.

15. **Melodorum rubiginosum** (A. DC.) Hook. f. & Th. Fl. Ind. 1 (1855) 138, "var." Ridl. in Sarawak Mus. Journ. 1|3 (1913) 91.

Sarawak, *Haviland 5, 877, Beccari 1410, 1041, Haviland & Hose 3336*. India to Tenasserim.

1. **Pyramidanthe prismatica** (Hook. f. & Th.) comb. nov. *Uvaria rufa* Wall. Cat. (1832) No. 6455, *nomen nudum*. *Melodorum prismaticum* Hook. f. & Th. Fl. Ind. 1 (1855) 121; King in Journ. As. Soc. Beng. 61|2 (1892) 109, Ann. Bot. Gard.

Calcutta 4 (1893) 140, *t.* 185; Scheff. in Ann. Jard. Bot. Buitenz. 2 (1885) 24; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 88. *Pyramidanthe rufa* Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 39; Boerl. in Ic. Bogor. 1 (1899) 131, *t.* 43, *f.* 1-9.

Dutch Borneo, *Korthals*.

Var. *parvifolia* (Boerl.) *Pyramidanthe rufa* Miq. var. *parvifolia* Boerl. in Ic. Bogor. 1 (1899) 131, *t.* 44.

Sarawak, *Haviland*. Malay Peninsula, Sumatra, Riouw.

1. *Cyathostemma hookeri* King in Journ. As. Soc. Beng. 61|2 (1892) 10, Ann. Bot. Gard. Calcutta 4 (1893) 13, *t.* 40; Boerl. in Ic. Bogor. 1 (1899) 125, *t.* 42; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 73.

Sarawak, *Beccari* 1811, *Haviland* 2250. Penang, Malay Peninsula, Banca.

1. *Phaeanthus crassipetalus* Becc. in Nuov. Giorn. Bot. Ital. 3 (1871) 191, *t.* 6, *f.* 11-15; Scheff. in Nat. Tijdschr. Nederl. Ind. 34 (1874) 85; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 88.

Sarawak, *Beccari* 3040, 2506, 3708, *Haviland* 1810. Endemic.

2. *Phaeanthus splendens* Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 40; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 88.

Dutch Borneo, *Korthals*. Endemic.

1. *Mitrephora chrysoarpa* (Miq.) Boerl. in Ic. Bogor. 1 (1899) 141; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 87. *Orophea chrysoarpa* Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 24; Scheff. in Ann. Jard. Bot. Buitenz. 2 (1885) 18.

Dutch Borneo, *Korthals*, *Teysmann*; Sarawak, *Beccari* 2654.

Var. *sakumbangensis* (Miq.) Ridl. l.c. *Orophea chrysoarpa* Miq. var. *sakumbangensis* Miq. l.c.

Dutch Borneo, *Korthals*. Endemic.

2. *Mitrephora excelsa* (Wall.) Hook. f. and Th. Fl. Ind. 1 (1855) 114; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 86. *Uvaria excelsa* Wall. Cat. (1832) No. 6477; King in Ann. Bot. Gard. Calcutta 4 (1893) 30, *t.* 36.

Labuan, *Motley*, *Barber*. Malay Peninsula.

3. *Mitrephora glabra* Scheff. in Ann. Jard. Bot. Buitenz. 2 (1885) 20; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 86.

Dutch Borneo, *Teysmann* 10840, 10841; Sarawak, *Beccari* 2772, *Haviland* 1353, *Brooks*.

Var. *brevifolia* Boerl. in Ic. Bogor. 1 (1899) 138.

Dutch Borneo, *Teysmann*. Endemic.

4. *Mitrephora humilis* Miq. Fl. Ind. Bat. 1|2 (1858) 31, Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 29; Ridl. in Sarawak Mus.

Journ. 1|3 (1913) 85. *Mitrephora maingayi* Hook. f. and Th.; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 130.

Dutch Borneo, *Korthals*; Sarawak, *Hose 98*, *Haviland 1716*; British North Borneo, *Haviland 1311*. Burma to the Malay Peninsula and Java.

5. *Mitrephora korthalsiana* Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 28; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 86.

Dutch Borneo, *Korthals*, *Teysmann*; Sarawak, *Beccari 3214*. Endemic.

6. *Mitrephora longipetala* Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 28; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 86.

Dutch Borneo, *Korthals*. Endemic.

7. *Mitrephora obtusa* Blume Fl. Jav. Anon. (1828) 33, t. 10, 14 c., Hook. f. and Th. Fl. Ind. 1 (1855) 113; var. *glabra* Ridl. in Sarawak Mus. Journ. 1|3 (1913) 86.

Sarawak, *Haviland 1714*. Malay Peninsula, Java (species).

8. *Mitrephora* (?) *parallelivenia* Boerl. in Ic. Bogor. 1 (1899) 140; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 87.

Borneo, fide *Boerlage* l.c. Endemic.

9. *Mitrephora reticulata* Hook. f. and Th. Fl. Ind. 1 (1855) 77; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 86.

Sarawak, *Beccari 3946*. Malay Peninsula.

10. *Mitrephora rufescens* Ridl. in Kew Bull. (1912) 385, Sarawak Mus. Journ. 1|3 (1913) 86.

Sarawak, *Haviland 1035*, *2249*, *Beccari 1616*, *916*, *968*. Endemic.

1. *Popowia hirta* Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 21; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 87.

Sarawak, *Haviland 1824*. Sumatra.

2. *Popowia novo-guineensis* Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 24; Boerl. Ic. Bogor. 1 (1899) 145; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 87.

Dutch Borneo, *Teysmann*. New Guinea.

3. *Popowia pisocarpa* (Blume) Endl.; Becc. in Nuov. Giorn. Bot. Ital. 3 (1871) 180; Scheff. in Nat. Tijdschr. Nederl. Ind. 34 (1874) 78; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 87.

Dutch Borneo, *Motley*; Sarawak, *Hose 426*. Java.

4. *Popowia ramosissima* Hook. f. and Th. Fl. Ind. 1 (1855) 105; King in Ann. Bot. Gard. Calcutta 4 (1893) 117, t. 159 A; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 87. *Popowia rufula* Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 20.

Dutch Borneo, *Korthals*, *Teysmann*. Malay Peninsula, Sumatra.

Ridley in Sarawak Mus. Journ. 1|3 (1913) 87, credits "*Popowia tomentosa* Miq." to Borneo, but no such species exists; he may have intended *P. tomentosa* Maingay, but I suspect that the name is due to a *lapsus calami* for *P. hirta* Miq. which is published in the place indicated by Ridley.

1. **Eburopetalum borneense** Becc. in Nuov. Giorn. Bot. Ital. 3 (1871) 181, t. 2; Scheff. in Nat. Tijdschr. Nederl. Ind. 34 (1874) 78; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 83.

A monotypic endemic genus.

1. **Orophea borneensis** Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 26; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 87.

Dutch Borneo, *De Vriese*. Endemic.

2. **Orophea dodecandra** Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 25; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 87.

Dutch Borneo, *Korthals*. Endemic.

3. **Orophea hexandra** Blume Bijdr. (1825) 18; Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 27.

Borneo, fide *Miquel* l.c. Burma to Sumatra and Java.

4. **Orophea pamattonis** Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 24; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 87.

Dutch Borneo, *Korthals*. Endemic.

5. **Orophea trigyna** Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 25; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 87.

Dutch Borneo, *Korthals*. Endemic.

1. **Xylopia congesta** Ridl. in Kew Bull. (1912) 387, Sarawak Mus. Journ. 1|3 (1913) 94.

Sarawak, *Beccari* 2654. Endemic.

2. **Xylopia coriifolia** Ridl. in Kew Bull. (1912) 388, Sarawak Mus. Journ. 1|3 (1913) 94.

Sarawak, *Hose* 1906, *Beccari* 2652, 3335, *Haviland & Hose* 3337. Endemic.

3. **Xylopia ferruginea** Hook. f. & Th. in Hook. f. Fl. Brit. Ind. 1 (1872) 83; King in Ann. Bot. Gard. Calcutta 4 (1893) 151, t. 198; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 94.

Sarawak, *Hose* 261, *Beccari* 3488. Malay Peninsula.

4. **Xylopia fusca** Maingay in Hook. f. Fl. Brit. Ind. 1 (1872) 83; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 93.

Sarawak, *Beccari* 555. Malay Peninsula.

5. **Xylopia havilandii** Ridl. in Kew Bull. (1912) 388, Sarawak Mus. Journ. 1|3 (1913) 95.

Sarawak, *Haviland* 2334, *Haviland & Hose* 3352. Endemic.

6. *Xylopia lanceola* Ridl. in Kew Bull. (1912) 389, Sarawak Mus. Journ. 1|3 (1913) 95.

Sarawak, *Beccari 1908, 3368*. Endemic.

7. *Xylopia malayana* Hook. f. & Th. Fl. Ind. 1 (1855) 125; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 93.

Sarawak, *Haviland 1842, Ridley 9059*; British North Borneo, *Fraser 114*. Malay Peninsula, Sumatra.

8. *Xylopia mucronata* Boerl. in Ic. Bogor. 1 (1899) 122, t. 76; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 93.

Dutch Borneo, *Jaheri*; Sarawak, *Beccari 1579, 1578, 1583, 1437, Haviland 414, 1009*. Endemic.

9. *Xylopia oxyantha* (Wall.) Hook. f. & Th. in Hook. f. Fl. Brit. Ind. 1 (1872) 85; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 94.

Sarawak, *Haviland 1966*. Singapore.

10. *Xylopia pulchella* Ridl. in Kew Bull. (1912) 388; Sarawak Mus. Journ. 1|3 (1913) 95.

Sarawak, *Haviland 2101*. Endemic.

11. *Xylopia ridleyi* King in Journ. As. Soc. Beng. 61|2 (1892) 121, Ann. Bot. Gard. Calcutta 4 (1893) 152, t. 199; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 93.

Sarawak, *Haviland 856*. Singapore.

12. *Xylopia stenopetala* Oliv. in Hook. Ic. 21 (1887) t. 1563; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 93.

Sarawak, *Haviland 2022*. Penang.

1. *Cyathocalyx biovulatus* Boerl. in Ic. Bogor. 1 (1899) 116, t. 55; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 76.

Dutch Borneo, *Teysmann*; Sarawak, *Haviland 851, 1869, Beccari 653*. Endemic.

2. *Cyathocalyx borneensis* Boerl. in Ic. Bogor. 1 (1899) 116, t. 56; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 76.

Dutch Borneo, *Teysmann*; Sarawak, *Hose 207!* "probably" fide Ridley. Endemic.

3. *Cyathocalyx havilandii* Boerl. in Ic. Bogor. 1 (1899) 113, t. 57; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 76.

Sarawak, *Haviland 1902, Brooks, Beccari 2543, 528*. Endemic.

1. *Drepananthus ramiflorus* Maingay in Hook. f. Fl. Brit. Ind. 1 (1872) 56; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 78.

Sarawak, *Beccari*. Malay Peninsula.

1. *Artabotrys blumei* Hook. f. & Th. Fl. Ind. 1 (1855) 128; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 78.

Sarawak, *Haviland 1775*. Java.

2. *Artabotrys costatus* King in Journ. As. Soc. Beng. 61|2 (1892) 37; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 78.

Sarawak, *Haviland* 1750. Malay Peninsula.

3. *Artabotrys gracilis* King in Journ. As. Soc. Beng. 61|2 (1892) 35; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 77.

Sarawak, *Haviland & Hose* 3160. Malay Peninsula.

4. *Artabotrys havilandii* Ridl. in Kew Bull. (1912) 382, Sarawak Mus. Journ. 1|3 (1913) 77.

Sarawak, *Haviland* 1629, 3340, *Beccari* 381, 786, 713, 554. Endemic.

5. *Artabotrys hirtipes* Ridl. in Kew Bull. (1912) 383, Sarawak Mus. Journ. 1|3 (1913) 77.

Sarawak, *Haviland* 2326, 2106. Endemic.

6. *Artabotrys lanuginosus* Boerl. in Ic. Bogor. 1 (1899) 121, t. 52; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 78.

Dutch Borneo, *Jaheri*. Endemic.

7. *Artabotrys polygonus* Miq. Ann. Mus Bot. Lugd.-Bat. 2 (1865-66) 41; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 77.

Dutch Borneo, *Korthals*; British North Borneo, *Creagh*, Sarawak, *Haviland*. Endemic.

8. *Artabotrys roseus* Boerl. in Ic. Bogor. 1 (1899) 122, t. 53; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 77.

Sarawak, *Haviland*. Endemic.

9. *Artabotrys suaveolens* Blume Fl. Jav. Anon. (1828) 62; Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 43; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 76; Boerl. in Ic. Bogor. 1 (1899) 120; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 57.

Dutch Borneo, *Korthals*; Sarawak, *Haviland* 1518, 1540, *Beccari* 3748, *Hose* 160!, 302! *Native collector* 227!, 1089!, 1794! *Bur. Sci.*, *Hewitt*!; British North Borneo, *Gibbs* 2580, *Villamil* 211!, *Clemens* 11158! India to Malaya.

10. *Artabotrys sumatranus* Miq. Fl. Ind. Bat. Suppl. (1860-62) 375, Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 43; Ridl. in Sarawak Mus. Journ. 1|3 (1913) 77; Boerl. in Ic. Bogor. 1 (1899) 122.

Dutch Borneo, *Korthals*, ? *Teysmann*. Sumatra.

11. *Artabotrys uncinatus* (Lam) Merr. in Philip. Journ. Sci. 7 (1912) Bot. 234. *Artabotrys odoratissimus* R. Br.; Scheff. in Ann. Jard. Bot. Buitenz. 2 (1885) 30.

Dutch Borneo, *Teysmann* 13834. Widely distributed in cultivation in the tropics of the Old World.

1. *Annona muricata* Linn. Sp. Pl. (1753) 536; Becc. Nelle Foreste di Borneo (1902) 600. Cultivated for its fruit as in most other tropical regions; a native of tropical America.

2. *Annona reticulata* Linn. Sp. Pl. (1753) 537; Becc. l.c. Cultivated like the preceding species and of similar origin.

3. *Annona squamosa* Linn. Sp. Pl. (1753) 537; Becc. l.c. Cultivated like the two preceding species and of similar origin.

Myristicaceae.

1. *Horsfieldia carnos*a Warb. in Nov. Act. Acad. Nat. Cur. 68 (1897) 348.

Sarawak, *Beccari 344, 1242*. Endemic.

2. *Horsfieldia crassifolia* (Hook. f. & Th.) Warb. in Nov. Act. Acad. Nat. Cur. 68 (1897) 323; King in Ann. Bot. Gard. Calcutta 3 (1891) 308, t. 140. *Myristica crassifolia* Hook. f. & Th. Fl. Ind. 1 (1855) 116.

? Borneo, *De Vriese*. Malay Peninsula, Banca, Billiton, Sumatra.

3. *Horsfieldia grandis* (Hook. f.) Warb. in Nov. Act. Acad. Nat. Cur. 68 (1897) 301. *Myristica grandis* Hook. f. in Trans. Linn. Soc. 23 (1860) 157.

Borneo, *Low*; Sarawak, *Hewitt, ! Hose 655!* Singapore.

4. *Horsfieldia irya* (Gaertn.) Warb. in Nov. Act. Acad. Nat. Cur. 68 (1897) 317; Winkler in Engl. Bot. Jahrb. 49 (1913) 368. *Myristica irya* Gaertn.; A. DC. Prodr. 14 (1857) 202; Miq. Fl. Ind. Bat. 1|2 (1858) 64, Ann. Mus. Bot. Lugd.-Bat. 2 (1865) 49. *Myristica vriesiana* Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865) 49. *Myristica crassifolia* Hook. f. var. *longifolia* King in Ann. Bot. Gard. Calcutta 3 (1891) 309.

Sarawak, *Beccari 701, 2171, 2648, 3588, Low, Hewitt !*; Dutch Borneo, *Korthals, DeVriese, Motley, Teysmann 8676, 8683*. Ceylon and India to Sumatra, Java and Celebes.

5. *Horsfieldia motleyi* Warb. in Nov. Act. Acad. Nat. Cur. 68 (1897) 394.

Dutch Borneo, *Motley*. Endemic.

6. *Horsfieldia oligocarpa* Warb. in Nov. Act. Acad. Nat. Cur. 68 (1897) 354.

Sarawak, *Beccari 2066*. Endemic.

7. *Horsfieldia paucinervis* Warb. in Nov. Act. Acad. Nat. Cur. 68 (1897) 345, t. 22, f. 2.

Sarawak, *Beccari 3279*. Endemic.

8. *Horsfieldia reticulata* Warb. in Nov. Act. Acad. Nat. Cur. 68 (1897) 304.

Sarawak, *Beccari 3475*. Endemic.

1. *Gymnacranthera apiculata* Warb. in Nov. Act. Acad. Nat. Cur. 68 (1897) 359, t. 20, f. 1.

Sarawak, *Beccari* 2246, *Hewitt* ! Endemic.

2. *Gymnacranthera contracta* Warb. in Nov. Act. Acad. Nat. Cur. 68 (1897) 360, t. 20, f. 3.

Sarawak, *Beccari* 321, 419, 2999; Dutch Borneo, *Motley*. Endemic.

3. *Gymnacranthera crassinervis* Warb. in Nov. Act. Acad. Nat. Cur. 68 (1897) 362, t. 20, f. 1-2.

Sarawak, *Beccari* 1119; British North Borneo, *Fraser*. Endemic.

4. *Gymnacranthera murtoni* (Hook. f.) Warb. var. *borneensis* Warb. in Nov. Act. Acad. Nat. Cur. 68 (1897) 359.

Sarawak, *Beccari* 1211, 3977. The variety endemic, the species in the Malay Peninsula.

1. *Myristica beccarii* Warb. in Nov. Act. Acad. Nat. Cur. 68 (1897) 518, t. 14, f. 1-3.

Sarawak, *Beccari* 247, 2053. Endemic.

2. *Myristica borneensis* Warb. in Nov. Act. Acad. Nat. Cur. 68 (1897) 401, t. 14, f. 1-3.

Sarawak, *Beccari* 1574, 1575, 652, 666, 2328, 1270. Endemic.

3. *Myristica elliptica* Wall. Cat. (1832) No. 6798a; Hook. f. & Th. Fl. Ind. 1 (1855) 162; Warb. in Nov. Act. Acad. Nat. Cur. 28 (1897) 437, t. 16, f. 1-3. *Myristica calocarpa* Miq. Fl. Ind. Bat. 1|2 (1857-59) 71, Ann. Mus. Bot. Lugd.-Bat. 2 (1865) 48.

Dutch Borneo, *Teysmann*, *DeVriese*, *Korthals*; Sarawak, *Beccari* 287, 613, 702, 3550. Malay Peninsula, Sumatra.

4. *Myristica fallax* Warb. in Nov. Act. Acad. Nat. Cur. 68 (1897) 410.

Sarawak, *Beccari* 1590. Endemic.

5. *Myristica fragrans* Houtt. Handleid 2|3 (1774) 333, t. 2; Warb. in Nov. Act. Acad. Nat. Cur. 68 (1897) 458.

Sarawak, *Beccari*, cultivated: the nutmeg. A native of the Moluccas, now cultivated in various tropical countries.

6. *Myristica guatteriifolia* A. DC. in Ann. Sc. Nat. IV 4 (1855) 20, Prodr. 14|1 (1856) 193; Warb. in Nov. Act. Acad. Nat. Cur. 68 (1897) 385.

Labuan, *Motley*; Sarawak, *Beccari* 1556, *Hose* 532!; British North Borneo, *Clemens* 9633! Philippines.

7. *Myristica pandurifolia* Winkl. in Engl. Bot. Jahrb. 49 (1913) 367.

Dutch Borneo, *Winkler* 2405!; Sarawak, *Native collector* 2648! *Bur. Sci., Sarawak Museum* 181! Endemic.

8. *Myristica villosa* Warb. in Nov. Act. Acad. Nat. Cur. 68 (1897) 419, t. 14, f. 1-2. *Myristica fatua* Houtt.; Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865) 46, as to the Bornean plant cited.

Dutch Borneo, *DeVriese*; Sarawak, *Sarawak Museum 154!*, *106!*; British North Borneo, *Villamil 249 bis!* Endemic.

1. *Knema conferta* (King) Warb. in Nov. Act. Acad. Nat. Cur. 68 (1897) 580; Winkler in Engl. Bot. Jahrb. 49 (1913) 368. *Myristica scortechinii* King in Ann. Bot. Gard. Calcutta 3 (1891) 317, t. 153, as to the Bornean distribution.

Dutch Borneo, *Winkler 2466, 2467*; Sarawak, *Beccari 1594, 1609, 1618, 1815, 1960, 2003, 2482, 2523*. Malay Peninsula, Tonking.

2. *Knema coriacea* Warb. in Nov. Act. Acad. Nat. Cur. 68 (1897) 614.

Sarawak, *Beccari 670*. Endemic.

3. *Knema furfuracea* (Hook. f. & Th.) Warb. in Nov. Act. Acad. Nat. Cur. 68 (1897) 581; Winkler in Engl. Bot. Jahrb. 49 (1913) 368.

Dutch Borneo, *Winkler 2110*. Malay Peninsula, Penang.

4. *Knema geminata* (Miq.) Warb. in Nov. Act. Acad. Nat. Cur. 68 (1897) 604, t. 25, f. 1-2. *Myristica geminata* Miq. Fl. Ind. Bat. Suppl. (1860-62) 385.

Sarawak, *Beccari 1709*. Malay Peninsula, Sumatra.

5. *Knema glauca* (Blume) Warb. in Nov. Act. Acad. Nat. Cur. 68 (1897) 594. *Myristica glauca* Blume Bijdr. (1825) 586; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 129.

British North Borneo, *Gibbs 2803*. Malay Peninsula, Andamans, Sumatra, Java.

6. *Knema glomerata* (Blanco) Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 81. *Sterculia glomerata* Blanco Fl. Filip. (1837) 764. *Knema heterophylla* Warb. in Nov. Act. Acad. Nat. Cur. 68 (1897) 573.

British North Borneo, *Villamil 241!*, *Agama 411!* Philippines.

7. *Knema hookeriana* (Wall.) Warb. in Nov. Act. Acad. Nat. Cur. 68 (1897) 551, t. 24, f. 1-4.

Labuan, *Low*. Malay Peninsula.

8. *Knema intermedia* (Blume) Warb. in Nov. Act. Acad. Nat. Cur. 68 (1897) 564, t. 25, f. 1-2. *Myristica corticosa* Hook. f. & Th.; Miq. Fl. Ind. Bat. 1|2 (1858) 69, Ann. Mus. Bot. Lugd.-Bat. 2 (1865) 51, as to the Bornean plant cited (var. *decipiens* Miq. and var. *borneensis* Miq.)

Dutch Borneo, *Korthals*; British North Borneo, *Agama 419!*
Malay Peninsula, Sumatra, Banca, Java, Batjan.

9. ***Knema korthalsii*** Warb. in Nov. Act. Acad. Nat. Cur. 68 (1897) 557.

Dutch Borneo, *Korthals*. Endemic.

10. ***Knema latifolia*** Warb. in Nov. Act. Acad. Nat. Cur. 68 (1897) 610, t. 25, f. 1-2.

Sarawak, *Beccari 199 b*. Sumatra.

11. ***Knema laurina*** (Blume) Warb. in Nov. Act. Acad. Nat. Cur. 68 (1897) 606, t. 24, f. 1-3 (incl. var. *borneensis*). *Myristica laurina* Blume var. *borneensis* Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 51.

Dutch Borneo, *Korthals*; Sarawak, *Beccari 1546*. Malay Peninsula, Sumatra, Java, Banca, Amboina.

12. ***Knema membranifolia*** Winkl. in Engl. Bot. Jahrb. 49 (1913) 368.

Dutch Borneo, *Winkler 2460!* Endemic.

13. ***Knema missionis*** (Wall.) Warb. in Nov. Act. Acad. Nat. Cur. 68 (1897) 602, t. 25, f. 1-3.

Sarawak, *Beccari 1396*. Malay Peninsula.

14. ***Knema pectinata*** Warb. in Nov. Act. Acad. Nat. Cur. 68 (1897) 556, t. 24.

Sarawak, *Beccari 1607*. Endemic.

15. ***Knema pulchra*** (Miq.) Warb. in Nov. Act. Acad. Nat. Cur. 68 (1897) 600, t. 24, f. 2; Winkler in Engl. Bot. Jahrb. 49 (1913) 369. *Myristica pulchra* Miq. in Ann. Mus. Bot. Lugd.-Bat. 2 (1865) 51.

Dutch Borneo, *Korthals*, *Teysmann 8230, 8674*, *Winkler 2359*; Sarawak, *Beccari 1094*. Endemic.

16. ***Knema rufa*** Warb. in Nov. Act. Acad. Nat. Cur. 68 (1897) 556, t. 24, f. 1-3.

Sarawak, *Beccari 1798*. Endemic.

17. ***Knema umbellata*** Warb. in Nov. Act. Acad. Nat. Cur. 68 (1897) 609.

Sarawak, *Beccari 1842*. Endemic.

Monimiaceae.

1. ***Kibara cuspidata*** Blume Mus. Bot. Lugd.-Bat. 2 (1856) 89; Perk. in Engl. Pflanzenreich 49 (1911) 33.

Sarawak, *Haviland 621*. Malay Peninsula, Java, Philippines.

2. **Kibara motleyi** Perk. in Engl. Bot. Jahrb. 45 (1911) 424, Pflanzenreich 49 (1911) 32.

Labuan, *Motley 119*. Endemic.

1. **Matthaea calophylla** Perk. in Engl. Bot. Jahrb. 25 (1898) 563; Perk. & Gilg in Engl. Pflanzenreich 4 (1901) 52.

Sarawak, *Beccari 3236*. Endemic.

2. **Matthaea sancta** Blume Mus. Bot. Lugd.-Bat. 2 (1856) 90, f. 10; Miq. Fl. Ind. Bat. 1|2 (1858) 74; A. DC. Prodr. 16|2 (1868) 670; Walp. Ann. 4 (1857) 120; Perk. & Gilg in Engl. Pflanzenreich 4 (1901) 42, Perk. *ibid* 49 (1911) 18.

Borneo, *fide Blume l.c.*

Var. **venulosa** Perk. in Engl. Pflanzenreich 49 (1911) 18. British North Borneo, *Creagh*. The species in Sumatra and Singapore, the variety in the Philippines.

1. **Scyphostegia borneensis** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 218, t. 17, f. 1-14.

British North Borneo, *Haviland 1377, Clemens 9963!, 10432!, 9991!, 10167!*

A monotypic endemic genus of uncertain position; Perkins & Gilg are certainly correct in excluding it from the *Monimiaceae*.

Lauraceae.

1. **Cinnamomum borneense** Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 260; Meissn. in DC. Prodr. 15|1 (1864) 19. *Cinnamomum floribundum* Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1864) 317; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 138.

Dutch Borneo, *Korthals, Motley 796, 883*, cult. in Hort. Bogor. *V. D. 30!* Endemic.

2. **Cinnamomum crassinervium** Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 264.

Dutch Borneo, *Muller*. Endemic.

3. **Cinnamomum culilawan** Blume Bidjr. (1825) 571; Miq. Fl. Ind. Bat. 1|1 (1858) 894.

Borneo, *fide Miquel l.c.* Malay Archipelago.

4. **Cinnamomum glabrescens** Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 264.

Dutch Borneo, *Korthals*. Endemic.

5. **Cinnamomum javanicum** Blume Bijdr. (1825) 570; Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 262; Meissn. in DC. Prodr. 15|1 (1864) 10.

Dutch Borneo, Korthals, *Teysmann* 8687. Singapore, Java, Sumatra.

6. *Cinnamomum iners* Reinw. ex Blume Bijdr. (1825) 570; Gamble in Journ. As. Soc. Beng 75|1 (1912) 76. *Cinnamomum nitidum* Blume; Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 258.

Dutch Borneo, Korthals. Burma, Malay Peninsula, Sumatra, Java, Philippines.

7. *Cinnamomum politum* Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 265.

Dutch Borneo, Korthals. Endemic; perhaps identical with *C. borneense* Miq.

8. *Cinnamomum sintok* Blume Bijdr. (1825) 571; Miq. Fl. Ind. Bat. 1|1 (1858) 901; Meissn. in DC. Prodr. 15|1 (1864) 12. Borneo, fide *Miquel* l.c. Sumatra, Java.

9. *Cinnamomum sulphuratum* Nees in Wall. Pl. As. Rar. 2 (1831) 74; Miq. Fl. Ind. Bat. 1|1 (1858) 891.

Borneo, fide *Miquel* l.c. India to Sumatra.

10. *Cinnamomum zeylanicum* Nees in Wall. Pl. As. Rar. 2 (1831) 74.

British North Borneo, cultivated, *Villamil* 177. India and Ceylon; widely cultivated in other tropical countries.

1. *Alseodaphne bancana* Miq. Fl. Ind. Bat. 1|1 (1858) 915; Gamble in Journ. As. Soc. Beng. 75|1 (1912) 91.

Sarawak, *Haviland* 3086. Singapore, Banca.

2. *Alseodaphne borneensis* Gamble in Kew Bull. (1910) 223.

Sarawak, *Haviland* 3087. Endemic.

1. *Phoebe kunstleri* Gamble in Kew Bull. (1910) 226, Journ. As. Soc. Bot. 75|1 (1912) 107.

Sarawak, *Haviland*. Malay Peninsula.

2. *Phoebe lucida* Blume Mus. Bot. Lugd.-Bat. 1 (1851) 327; Meissn. in DC. Prodr. 15|1 (1864) 37. *Phoebe lucens* Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 140.

Borneo, fide *Blume* l.c. Sumatra.

3. *Phoebe opaca* Blume Mus. Bot. Lugd.-Bat. 1 (1851) 327; Gamble in Journ. As. Soc. Beng. 75|1 (1912) 108.

Borneo, fide *Gamble* l.c. Malay Peninsula, Sumatra, Java.

1. *Notaphoebe havilandii* Gamble in Kew Bull. (1910) 225. Sarawak, *Haviland & Hose* 3650. Endemic.

2. **Notaphoebe sarawacensis** Gamble in Kew Bull. (1910) 225.

Sarawak, *Ridley* (?) 1827. Endemic.

3. **Notaphoebe umbelliflora** Blume Mus. Bot. Lugd.-Bat. 1 (1851) 328 (var. *pyrifolia* Blume); Meissn. in DC. Prodr. 15|1 (1864) 58; Gamble in Journ. As. Soc. Beng. 75|1 (1912) 97. *Alseodaphne umbelliflora* Hook. f. Fl. Brit. Ind. 5 (1886) 145.

Borneo, fide *Blume* l.c. Malay Peninsula, Java, Sumatra.

1. **Eusideroxylon zwageri** Teysm. & Binn. in Nat. Tijdschr. Nederl. Ind. 25 (1862) 292, *plate*; Foxw. in Philip. Journ. Sci. 6 (1911) Bot. 179. *Bihania borneensis* Meissn. in DC. Prodr. 15|1 (1864) 96; Becc. Nelle Foreste di Borneo (1902) 581.

Borneo, *Low*, *Motley*; Dutch Borneo, *Teysmann*; Sarawak, *Foxworthy* 102!, 494!, 495!; British North Borneo, *Foxworthy* 557! Sumatra, Banca, Billiton, Sulu Archipelago.

1. **Actinodaphne borneensis** Meissn. in DC. Prodr. 15|1 (1864) 213.

Borneo, *Lobb*. Endemic.

2. **Actinodaphne cuneata** (Blume) Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 137. *Notaphoebe cuneata* Blume Mus. Bot. Lugd.-Bat. 1 (1851) 328; Meissn. in DC. Prodr. 15|1 (1864) 58. *Phoebe leiophylla* Miq. Fl. Ind. Bat. 1|1 (1858) 911.

Borneo, fide *Blume* l.c. Celebes.

3. **Actinodaphne foxworthyana** Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 129.

British North Borneo, *Gibbs* 3135. Endemic.

4. **Actinodaphne furfuracea** Blume Mus. Bot. Lugd.-Bat. 1 (1851) 345; Miq. Fl. Ind. Bat. 1|1 (1858) 971; Meissn. in DC. Prodr. 15|1 (1864) 217.

Dutch Borneo, *Muller*. Endemic.

5. **Actinodaphne hirsuta** Blume Mus. Bot. Lugd.-Bat. 1 (1851) 345; Miq. Fl. Ind. Bat. 1|1 (1858) 971; Meissn. in DC. Prodr. 15|1 (1864) 217.

Dutch Borneo, *Korthals*. Celebes.

6. **Actinodaphne maingayi** Hook. f. Fl. Brit. Ind. 5 (1886) 151, var. **macrocarpa** Gamble in Journ. As. Soc. Beng. 75|1 (1912) 115.

Sarawak, *Ridley* 11675? Malay Peninsula.

7. **Actinodaphne oleifolia** Gamble in Kew Bull. (1910) 313, Journ. As. Soc. Beng. 75|1 (1912) 121.

Sarawak, *Haviland* & *Hose* 364. Malay Peninsula.

8. **Actinodaphne pauciflora** Blume Mus. Bot. Lugd.-Bat. **1** (1851) 363; Miq. Fl. Ind. Bat. **1**|**1** (1858) 966; Meissn. in DC. Prodr. **15**|**1** (1864) 215.

Dutch Borneo, *Korthals*. Celebes.

9. **Actinodaphne ridleyi** Gamble in Kew Bull. (1910) 313, Journ. As. Soc. Beng. **75**|**1** (1912) 118.

Sarawak, *Haviland*. Malay Peninsula.

10. **Actinodaphne rufescens** Blume Mus. Bot. Lugd.-Bat. **1** (1851) 343; Miq. Fl. Ind. Bat. **1**|**1** (1858) 968; Meissn. in DC. Prodr. **15**|**1** (1864) 215.

Dutch Borneo, *Muller*. Endemic.

11. **Actinodaphne superba** (Blume) Boerl. Handl. Fl. Nederl. Ind. **3** (1900) 137. *Notaphoebe superba* Blume Mus. Bot. Lugd.-Bat. **1** (1851) 329; Meissn. in DC. Prodr. **15**|**1** (1864) 59. *Phoebe superba* Miq. Fl. Ind. Bat. **1**|**1** (1858) 912.

Dutch Borneo, *Korthals*. Celebes.

1. **Neolitsea zeylanica** (Nees) Merr. in Philip. Journ. Sci. **1** (1906) Suppl. 57. *Litsea zeylanica* Nees in Amoén. Bot. Bonn **1** (1823) 58, t. 5, ex Nees Syst. Laur. (1836) 628; Stapf in Trans. Linn. Soc. Bot. **4** (1894) 220; Gibbs in Journ. Linn. Soc. Bot. **42** (1914) 130.

British North Borneo, *Haviland 1128*, *Gibbs 4176*, *Clemens 10736!* India and Ceylon to the Malay Peninsula and Archipelago, and tropical Australia.

1. **Litsea accedens** (Blume) Boerl. Handl. Fl. Nederl. Ind. **3** (1900) 145. *Tetranthera accedens* Blume Mus. Bot. Lugd.-Bat. **1** (1851) 383; Miq. Fl. Ind. Bat. **1**|**1** (1858) 953. *Cylicodaphne accedens* Meissn. in DC. Prodr. **15**|**1** (1864) 206.

Dutch Borneo, *Korthals*, *Motley 824*. Celebes.

2. **Litsea amara** Blume Bijdr. (1825) 563; Boerl. Handl. Fl. Nederl. Ind. **3** (1900) 142. *Tetranthera amara* Nees Syst. Laur. (1836) 551, DC. Prodr. **15**|**1** (1864) 190; Miq. Fl. Ind. Bat. **1**|**1** (1858) 949.

Var. **glabrescens** (Meissn.) *Tetranthera amara* Nees var. *glabrescens* Meissn. in DC. Prodr. **15**|**1** (1864) 190.

Borneo, *Motley 770*.

Var. **fusco-tomentosa** (Meissn.) Boerl. Handl. Fl. Nederl. Ind. **3** (1900) 142. *Tetranthera amara* Nees var. *fusco-tomentosa* Nees l.c.

Borneo, fide *Meissner* l.c.

Var. **ochracea** Blume Mus. Bot. Lugd.-Bat. 1 (1851) 380.
Tetranthera amara Nees var. *ochracea* Nees in DC. Prodr. 15|1
 (1864) 190.

Borneo, fide *Meissner* l.c. Burma, Malay Peninsula, Sumatra,
 Java.

3. **Litsea borneensis** (Meissn.) Boerl. Handl. Fl. Nederl.
 Ind. 3 (1900) 142. *Tetranthera borneensis* Meissn. in DC. Prodr.
 15|1 (1864) 184.

Borneo, *Low*. Endemic.

4. **Litsea cauliflora** Stapf in Trans. Linn. Soc. Bot. 4 (1894)
 219.

British North Borneo, *Haviland* 1221. Endemic.

5. **Litsea citrata** Blume Bijdr. (1825) 565; Gibbs in Journ.
 Linn. Soc. Bot. 42 (1914) 130.

British North Borneo, *Gibbs* 2989. India to southern China,
 Sumatra, and Java.

6. **Litsea cordata** (Jack) Hook. f. Fl. Brit. Ind. 5 (1886)
 177; Gamble in Journ. As. Soc. Bot. 75|1 (1912) 144.

Sarawak, *Haviland & Hose* 1807, 3654. Malay Peninsula,
 Sumatra.

7. **Litsea crassifolia** (Blume) Boerl. Handl. Fl. Nederl. Ind.
 3 (1900) 143. *Tetranthera crassifolia* Blume, Mus. Bot. Lugd.-
 Bat. 1 (1851) 386; Miq. Fl. Ind. Bat. 1 (1858) 959; Meissn. in
 DC. Prodr. 15|1 (1864) 199.

Dutch Borneo, fide *Blume* l.c. Endemic.

8. **Litsea cylindrocarpa** Gamble in Kew Bull. (1910) 318,
 Journ. As. Soc. Beng. 75|1 (1912) 157.

Sarawak, *Ridley* 11673, *Haviland* 3297. Malay Peninsula, Java.

9. **Litsea fenestrata** Gamble in Kew Bull. (1910) 369,
 Journ. As. Soc. Beng. 75|1 (1912) 162.

Borneo, *Haviland* 3088? Malay Peninsula, Sumatra.

10. **Litsea firma** (Blume) Hook. f. Fl. Brit. Ind. 5 (1886)
 162; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 142. *Tetranthera*
firma Blume Mus. Bot. Lugd.-Bat. 1 (1851) 381; Meissn. in DC.
 Prodr. 15|1 (1864) 190.

Borneo, fide *Blume* l.c. Malay Peninsula, Sumatra, Celebes.

11. **Litsea gracilipes** Hook. f. Fl. Brit. Ind. 5 (1886) 159;
 Gamble in Journ. As. Soc. Beng. 75|1 (1912) 184.

Sarawak, *Haviland* 3327. Malay Peninsula.

12. *Litsea insignis* (Blume) Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 142. *Tetranthera insignis* Blume Mus. Bot. Lugd.-Bat. 1 (1851) 382; Miq. Fl. Ind. Bat. 1|1 (1858) 952; Meissn. in DC. Prodr. 15|1 (1864) 186.

Borneo, fide *Blume* l.c. Sumatra, Java.

13. *Litsea lancifolia* (Roxb.) Hook. f. var. *borneensis* (Meissn.) Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 143. *Tetranthera lancifolia* Roxb. var. *borneensis* Meissn. in DC. Prodr. 15|1 (1864) 194.

Dutch Borneo, *Motley* 377. The variety endemic, the species India to Malaya.

14. *Litsea latifolia* Blume var. *areolata* Blume Mus. Bot. Lugd.-Bat. 1 (1851) 349; Miq. Fl. Ind. Bat. 1|1 (1858) 973; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 146; Meissn. in DC. Prodr. 15|1 (1864) 220.

Borneo, fide *Blume* l.c. Sumatra to Java and New Guinea.

15. *Litsea nigricans* (Meissn.) Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 142. *Tetranthera nigricans* Meissn. in DC. Prodr. 15|1 (1864) 190.

Labuan, *Barber*, *Motley* 325. Endemic.

16. *Litsea oppositifolia* Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 130.

British North Borneo, *Gibbs* 3136. Endemic.

17. *Litsea punctata* (Blume) Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 145. *Cylicodaphne punctata* Blume Mus. Bot. Lugd.-Bat. 2 (1852) 13; Meissn. in DC. Prodr. 15|1 (1864) 209. *Lepidadenia punctata* Miq. Fl. Ind. Bat. 1|1 (1858) 939.

Borneo, fide *Blume* l.c. Endemic.

18. *Litsea sarawacensis* Gamble in Kew Bull. (1910) 365, Journ. As. Soc. Beng. 75|1 (1912) 182.

Sarawak, *Beccari* 905, 1475, 1708, 1796, *Haviland* 3077, 3646. Singapore.

19. *Litsea sebifera* Blume Bijdr. (1825) 176; Gamble in Journ. As. Soc. Beng. 75|1 (1912) 176.

* Sarawak, *Ridley* 12429. Malay Peninsula, Java.

20. *Litsea sessiliflora* Hook. f. Fl. Brit. Ind. 5 (1886) 160; Gamble in Journ. As. Soc. Beng. 75|1 (1912) 185.

Sarawak, *Beccari* 1545. Penang, Malay Peninsula, Sumatra.

21. *Litsea sessilis* Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 145. *Cylicodaphne sessiliflora* Meissn. in DC. Prodr. 15|1 (1864) 206, non *Litsea sessiliflora* Hook. f.

Labuan, *Motley*, *Barber* 126. Endemic.

22. *Litsea singaporensis* Gamble in Kew Bull. (1910) 358, Journ. As. Soc. Beng. 75|1 (1912) 159.

Sarawak, *Ridley* 9075. Singapore.

23. *Litsea teysmanni* Gamble in Kew Bull. (1910) 319, Journ. As. Soc. Beng. 75|1 (1912) 170.

Sarawak, *Beccari* 1649, 4061. Malay Peninsula, Banca.

24. *Litsea utilis* (Meissn.) Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 141. *Tetranthera utilis* Meissn. in DC. Prodr. 15|1 (1864) 183.

Dutch Borneo, *Motley* 837. Endemic.

25. *Litsea varians* (Blume) Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 143. *Tetranthera varians* Blume Mus. Bot. Lugd.-Bat. 1 (1851) 376; Miq. Fl. Ind. Bat. 1|1 (1855) 194.

Borneo, fide *Blume* l.c. Sumatra, Celebes.

1. *Dehaasia borneensis* (Meissn.) F.-Vill. Novis. App. Fl. Filip. (1880) 179; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 136. *Haasia borneensis* Meissn. in DC. Prodr. 15|1 (1864) 61.

Borneo, *Barber*. Endemic.

Dehaasia firma Blume (*Hassa firma* Miq. Fl. Ind. Bat. 1|1 (1858) 928) may be a Bornean species.

2. *Dehaasia microcarpa* (Jack) Blume Rumphia 1 (1835) 162, t. 44; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 136. *Haasia microcarpa* Blume; Miq. Fl. Ind. Bat. 1|1 (1858) 928; Meissn. in DC. Prodr. 15|1 (1864) 60.

Dutch Borneo, *Korthals*; Sarawak, *Haviland & Hose* 3090, 3091, 332, 3655. Malay Peninsula, Sumatra, Java.

3. *Dehaasia nitida* (Nees) comb. nov. *Haasia nitida* Nees in DC. Prodr. 15|1 (1864) 61.

Dutch Borneo, *Motley* 382. Endemic.

4. *Dehaasia paradoxa* Blume Mus. Bot. Lugd.-Bat. 1 (1851) 333; *Haasia paradoxa* Miq. Fl. Ind. Bat. 1|1 (1858) 931; Meissn. in DC. Prodr. 15|1 (1864) 62.

Dutch Borneo, *Muller*. Endemic.

1. *Cryptocarya crassinervia* Miq. Fl. Ind. Bat. 1|1 (1858) 924; Gamble in Journ. As. Soc. Beng. 75|1 (1912) 41. *Cryptocarya infectoria* Miq. var. *acuminata* Meissn. in DC. Prodr. 15|1 (1864) 69. *Cryptocarya griffithiana* Wight var. *acuminata* Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 135.

Labuan, *Motley* 133. Malay Peninsula, Sumatra.

2. **Cryptocarya densiflora** Blume Bijdr. (1825) 556; Gamble in Journ. As. Soc. Beng. 75|1 (1912) 39.
Sarawak, *Haviland* 3333. Malay Peninsula, Java.
3. **Cryptocarya kurzii** Hook. f. Fl. Brit. Ind. 5 (1886) 119; Gamble in Journ. As. Soc. Beng. 75|1 (1912) 48.
Sarawak, *Haviland* 3082, 3652. Tenasserim, Malay Peninsula, Java.
4. **Cryptocarya longepedunculata** Gamble in Kew Bull. (1910) 145.
Sarawak, *Haviland & Hose* 3295. Endemic.
5. **Cryptocarya lucida** Blume Mus. Bot. Lugd.-Bat. 1 (1851) 335; Miq. Fl. Ind. Bat. 1|1 (1858) 925.
Borneo, fide *Blume* l.c. Celebes.
6. **Cryptocarya obliqua** Blume Mus. Bot. Lugd.-Bat. 1 (1851) 334; Miq. Fl. Ind. Bat. 1|1 (1858) 922; Meissn. in DC. Prodr. 15|1 (1864) 71.
Borneo, fide *Blume* l.c. Java.
7. **Cryptocarya reticulata** Blume Mus. Bot. Lugd.-Bat. 1 (1851) 335; Miq. Fl. Ind. Bat. 1|1 (1858) 925; Meissn. in DC. Prodr. 15|1 (1864) 69.
Borneo, fide *Blume* l.c. Java.
8. **Cryptocarya tomentosa** Blume Mus. Bot. Lugd.-Bat. 1 (1851) 335; Miq. Fl. Ind. Bat. 1|1 (1858) 923; Meissn. in DC. Prodr. 15|1 (1864) 71.
Borneo, fide *Blume* l.c. Java, Malay Peninsula.
1. **Cyanodaphne tomentosa** Blume Mus. Bot. Lugd.-Bat. 1 (1851) 334; Miq. Fl. Ind. Bat. 1|1 (1858) 926; Meissn. in DC. Prodr. 15|1 (1864) 77.
Dutch Borneo, *Muller*. Celebes.
1. **Endiandra rubescens** Blume; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 136. *Dictyodaphne rubescens* Blume Mus. Bot. Lugd.-Bat. 1 (1851) 270; Meissn. in DC. Prodr. 15|1 (1864) 79.
Borneo, fide *Blume* l.c. Endemic.
1. **Lindera caesia** (Blume) F.-Vill. Novis. App. Fl. Filip. (1880) 181, var. **rufa** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 220.
British North Borneo, *Haviland* 1106. Java.
2. **Lindera grandifolia** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 220. *Lindera grandiflora* Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 147.

British North Borneo, *Haviland 1334*. Endemic.

1. *Cassytha capillaris* Meissn. in DC. Prodr. 15|1 (1864) 252.

Dutch Borneo, *Motley 539*. Ceylon.

2. *Cassytha filiformis* Linn. Sp. Pl. (1753) 35.

Sarawak, *Foxworthy 169!* Native collector 1628!, 2344 *Bur. Sci.!* Pantropic.

Hernandiaceae.

1. *Hernandia peltata* Meissn. in DC. Prodr. 16|1 (1864) 263.

Sarawak *Beccari 3526*. Along the seashore, Eastern Africa to Polynesia.

No representative of the *Cruciferae* is definitely reported from Borneo. Doubtless *Brassica juncea* Coss., *Nasturtium indicum* DC. and a few other representatives of the family occur there.

Capparidaceae.

1. *Capparis korthalsiana* Miq. Ill. Fl. Archip. Ind. (1871) 31, t. 17.

Dutch Borneo, *Korthals*. Sumatra.

1. *Crataeva membranifolia* Miq. Fl. Ind. Bat. Suppl. (1862) 387, Ill. Fl. Archip. Ind. (1871) 21; Winkler in Engl. Bot. Jahrb. 49 (1913) 369.

Dutch Borneo, *Korthals*, *Winkler 2379*. Sumatra to New Guinea.

2. *Crataeva nurvala* Ham. in Trans. Linn. Soc. 15 (1827) 121; Winkl. in Engl. Bot. Jahrb. 49 (1913) 369.

Dutch Borneo, *Winkler 2742*. India to Malaya; perhaps not distinct from the widely distributed *C. religiosa* Forst.

1. *Gynandropsis pentaphylla* (Linn.) DC. Prodr. 1 (1824) 238; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 58.

British North Borneo, *Gibbs 2730*, *Topping 1443!* Pantropic.

1. *Polanisia viscosa* (Linn.) DC. Prodr. 1 (1824) 242; Winkler in Engl. Bot. Jahrb. 49 (1913) 369.

Dutch Borneo, *Winkler 2148*. Pantropic.

Moringa oleifera Lam. of the *Moringaceae* certainly occurs in Borneo, but no representative of this family is definitely recorded from the island as yet.

Nepenthaceae.

1. **Nepenthes albo-marginata** Lobb in Gard. Chron. (1849) 580, fig.; Hook. f. in Trans. Linn. Soc. 22 (1859) 422, t. 73, DC. Prodr. 17 (1873) 102; Becc. Malesia 3 (1886) 5; Macfarl. in Engl. Pflanzenreich 36 (1908) 37. *Nepenthes teysmanniana* Miq. Fl. Ind. Bat. 1|1 (1858) 1073, Suppl. (1860-62) 151, Journ. Bot. Neerl 1: 273, t. 1; Hook. f. in DC. Prodr. 17 (1873) 104.

Borneo, *Lobb, Low*; Sarawak, *Beccari, Haviland & Hose 3303*, *Native collector 651!, 1094!, 2864!* *Bur. Sci.*

Var. *villosa* Hook. f. in DC. Prodr. 17 (1873) 102; Macfarl. in Engl. Pflanzenreich 36 (1908) 37.

Borneo, *Low*. Malay Peninsula, Sumatra.

2. **Nepenthes ampullaria** Jack in Comp. Bot. Mag. 1 (1835) 271; Hook. f. in Trans. Linn. Soc. 22 (1859) 423, DC. Prodr. 17 (1873) 93; Becc. Malesia 1 (1878) 213, 3 (1886) 2; Macfarl. in Engl. Pflanzenreich 26 (1908) 33, f. 13; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 125.

Borneo, *Teymann, Barber 372, Low, Motley, Burbidge, Whitehead, Gibbs 2994a, 2994b, Korthals, Beccari, Native collector 459!, 644!, 647!, 1093!, 1661!, 1796!, 1790!*, *Bur. Sci., Clemens 9998!, Villamil 261 bis!* Malay Peninsula, Sumatra, New Guinea.

3. **Nepenthes angustifolia** Mast. in Gard. Chron. (1881) 2: 524; Macfarl. in Engl. Pflanzenreich 36 (1908) 59.

Borneo, *Curtis 123, Beccari 587, Burbidge 32*. Endemic.

4. **Nepenthes bicalcarata** Hook. f. in DC. Prodr. 17 (1873) 79; Becc. Malesia 2 (1886) 23, t. 55, 3 (1886) 4; Macfarl. in Engl. Pflanzenreich 36 (1908) 35, f. 14. *Nepenthes dyak* Moore in Journ. Bot. 18 (1880) 1, t. 206.

Borneo, *Teymann 10957, 11161, Beccari, Low, Burbidge, Teuscher 33, Hose*. Endemic.

5. **Nepenthes heschiana** Korth. Verh. Nat. Gesch. Bot. (1839) 25, t. 2, 4, f. 39-54; Blume Mus. Bot. Lugd.-Bat. 2 (1852) 8; Walp. Ann. 3 (1853) 336; Hook. f. in Trans. Linn. Soc. 22 (1859) 422, DC. Prodr. 17 (1873) 98; Becc. Malesia 1 (1878) 214; Macfarl. in Engl. Pflanzenreich 36 (1908) 71; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 126.

Dutch Borneo, *Korthals*; Sarawak, *Beccari, Haviland & Hose 3302, Low, Native collector 1096!* *Bur. Sci.*; British North Borneo, *Burbidge, Gibbs 4077*. Endemic.

6. **Nepenthes burbidgei** Hook. f. in Gard. Chron. II 17 (1882) 56; Becc. Malesia 3 (1886) 6; Macfarl. in Engl. Pflanzenreich 36 (1908) 70.

British North Borneo, *Low, Burbidge*. Endemic.

Nepenthes burkei Mast. is erroneously credited to Borneo in Kew Bull. Add. Series 4 (1900) 272; it is a Philippine species.

7. ***Nepenthes echinostoma*** Hook. f. in DC. Prodr. 17 (1873) 95; Becc. Malesia 3 (1886) 9, t. 2; Macfarl. in Ann. Bot. 7 (1893) 433, Engl. Pflanzenreich 36 (1908) 70.

Sarawak, *Beccari 121*. Endemic.

8. ***Nepenthes edwardsiana*** Low ex Hook. f. in Trans Linn. Soc. 22 (1859) 420, t. 70, DC. Prodr. 17 (1873) 95; Becc. Malesia 3 (1886) 3; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 217; Macfarl. in Engl. Pflanzenreich 36 (1908) 53, f. 16; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 126.

British North Borneo, *Low, Burbidge, St. John, Gibbs 4083, Clemens 10543!, 10871!, 10873!, Topping 1878!*

Nepenthes edwardsiana Low X *villosa* Burbidge; Macfarl. in Engl. Pflanzenreich 36 (1908) 54. *Nepenthes harryana* Burbidge in Gard. Chron. (1882) 1: 56.

British North Borneo, *Burbidge*. Endemic.

9. ***Nepenthes gracilis*** Korth. in Verh. Nat. Gesch. Bot. (1839) 25, t. 1; Blume Mus. Bot. Lugd.-Bat. 2 (1852) 10; Miq. Fl. Ind. Bat. 1|1 (1858) 1071; Hook. f. in Trans. Linn. Soc. 22 (1859) 422, DC. Prodr. 17 (1873) 104; Becc. Malesia 3 (1886) 5, 14; Macfarl. in Engl. Pflanzenreich 36 (1908) 58; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 126. *Nepenthes laevis* Lindl. in Gard. Chron. (1848) 655.

Dutch Borneo, *Teysmann 10956, 11082, Muller, Korthals; Labuan, Lobb, Burbidge, Merrill!*, Sarawak, *Native collector 650!, 975!, Bur. Sci., Beccari*; British North Borneo, *Gibbs 2993a, 2993b, Low, Burbidge, Topping 1479!, 1951!, Clemens 9588!, 9687!* Malay Peninsula, Sumatra, *Billiton*.

10. ***Nepenthes hemsleyana*** Macfarl. in Engl. Pflanzenreich 36 (1908) 61.

British North Borneo, *Burbidge*. Sumatra?

11. ***Nepenthes hirsuta*** Hook. f. in DC. Prodr. 17 (1873) 99; Becc. Malesia 3 (1886) 4; Macfarl. in Engl. Pflanzenreich 36 (1908) 49. *Nepenthes hispida* G. Beck in Wein. Ill. Gart. Zeit. (1895) 191.

Sarawak, *Low, Beccari 1698, 2580, Burbidge, Lobb, Hose, Native collector 645! Bur. Sci.*

Var. ***glabrata*** Macf. in Engl. Pflanzenreich 36 (1908) 50 = ? var. *glabrescens* Hort. in Gard. Chron. 27 (1882) 398, 399, f. 59.

Sarawak, *Lobb, Hose*. Endemic.

12. *Nepenthes hookeriana* Lindl. in Gard. Chron. (1848) 87; Macfarl. in Engl. Pflanzenreich 36 (1908) 34. *Nepenthes loddigesii* Baxter in Loud. Hort. Brit. Suppl. 3 (1850) 593.

Dutch Borneo, *De Vriese, Teysmann*; Sarawak, *Hose, Low, Banca*.

Nepenthes lindleyana Low ex Baxt. in Loud. Hort. Brit. Suppl. 3 (1850) 593, is of uncertain status fide Macfarlane in Engl. Pflanzenreich 36 (1908) 89; Boerlage Handl. Fl. Nederl. Ind. 3 (1900) 54, credits it to Borneo.

13. *Nepenthes lowii* Hook f. in Trans. Linn. Soc. 22 (1859) 420, t. 71; DC. Prodr. 17 (1873) 94; Becc. Malesia 3 (1886) 3; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 217; Ridl. in Journ. Str. Branch Roy. As. Soc. 63 (1912) 62; Macfarl. in Engl. Pflanzenreich 36 (1908) 76, f. 19; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 127.

British North Borneo, *Low, St. John, Burbidge, Whitehead, Gibbs, 4084, Clemens 10683!*; Sarawak, *Moulton*. Endemic.

14. *Nepenthes maxima* Reinw. ex Nees in Ann. Sci. Nat. 3 (1824) 369, t. 20, f. 2; Becc. Malesia 3 (1886) 3, 9, t. 1, f. 1; Macfarl. in Engl. Pflanzenreich 36 (1908) 74, f. 18. *Nepenthes curtisii* Mast. in Gard. Chron. (1887) 2: 681, 689, f. 133; Hook. f. in Curtis's Bot. Mag. III 46 (1890) t. 7138.

Borneo, *Curtis*; Sarawak, *Beccari 2386*. Celebes to New Guinea.

15. *Nepenthes melamphora* Blume var. *lucida* Blume Mus. Bot. Lugd.-Bat. 2 (1852) 8; Hook. f. in DC. Prodr. 17 (1873) 101; Becc. Malesia 3 (1886) 5.

Dutch Borneo, *Korthals*. The species and other varieties Java and Sumatra.

16. *Nepenthes mirabilis* (Lour.) Merr. Interpret. Herb. Amb. (1917) 242. *Phyllamphora mirabilis* Lour. Fl. Cochinch. (1790) 606. *Nepenthes phyllamphora* Willd. Sp. Pl. 4|2 (1805) 874; Korth. Verh. Nat. Gesch. Bot. (1839) 28; Hook. f. in DC. Prodr. 17 (1873) 97; Macfarl. in Engl. Pflanzenreich 36 (1908) 63. *Nepenthes fimbriata* Blume Mus. Bot. Lugd.-Bat. 2 (1852) 7; Hook. f. in Trans. Linn. Soc. 22 (1859) 422; Miq. Fl. Ind. Bat. 1|1 (1858) 1072, Ill. Fl. Archip. Ind. (1871) 3, t. 2. *Nepenthes macrostachya* Blume; Becc. Malesia 3 (1886) 4. *Nepenthes obrieniana* Rodigas in Ill. Hort. (1890) 109, t. 116.

Dutch Borneo, *Teysmann 10968, Beccari, Korthals, Motley 755; Labuan, Low; Sarawak, Beccari, Foxworthy 45!, Native collector 229!, 230!, 233!, 385!, 389!, 401!, 454!, 458!, 646!, 2672! Bur. Sci.*; British North Borneo, *Burbidge, Low, Clemens!* Cochinchina and southern China through Malaya to New Guinea.

17. *Nepenthes neglecta* Macfarl. in Engl. Pflanzenreich 36 (1908) 58.

Labuan, *Low, Burbidge*. Endemic.

18. *Nepenthes northiana* Hook. f. in Gard. Chron. (1881) 2: 717, f. 144; Becc. Malesia 3 (1886) 4; Macfarl. in Engl. Pflanzenreich 36 (1908) 44.

Borneo, *Curtis*. *Nepenthes northiana* Hook. f. X *albo-marginata* Mast.; Macfarl. in Engl. Pflanzenreich 36 (1908) 45. *Nepenthes cincta* Mast. in Gard. Chron. 21 (1884) 576, f. 110; Becc. Malesia 3 (1886) 6. Borneo, *Burke*. Endemic.

19. *Nepenthes rafflesiana* Jack in Comp. Bot. Mag. 1 (1835) 270; Hook. f. in DC. Prodr. 17 (1873) 96, Trans. Linn. Soc. 22 (1859) 422; Becc. Malesia 3 (1886) 3, 10; Ridl. in Journ. Str. Branch Roy. As. Soc. 63 (1912) 62; Macfarl. in Engl. Pflanzenreich 36 (1908) 61.

Borneo, *Lobb* 85; British North Borneo, *Low*; Sarawak, *Moulton, Native collector* 231!, 232!, 648! *Bur. Sci.*; Labuan, *Motley, Merrill*!

Var. *minor* Becc. Malesia 3 (1886) 11, t. 1, f. 2; Macfarl. l.c. Dutch Borneo, *Teysmann* 10910.

Var. *nivea* Hook. f. in DC. Prodr. 17 (1873) 97; Macfarl. l.c.

Labuan, *Motley* 348; Dutch Borneo, *Teysmann*; British North Borneo, *Burbidge*.

Other described varieties credited to Borneo are var. *nigropurpurea* Mast. in Gard. Chron. 18 (1882) 425, f. 70; var. *insignis* Mast. l.c., f. 69; and var. *glaberrima* Hook. f., their status being more or less uncertain. Malay Peninsula, Sumatra, Banca.

20. *Nepenthes rajah* Hook. f. in Trans. Linn. Soc. 22 (1859) 421, t. 72; DC. Prodr. 17 (1873) 95; Becc. Malesia 3 (1886) 3; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 217; Hemsl. in Curtis's Bot. Mag. IV 1 (1905) t. 8017; Macfarl. in Engl. Pflanzenreich 36 (1908) 46.

British North Borneo, *Low, Burbidge, St. John, Topping* 1849! *Clemens* 11073! Endemic.

21. *Nepenthes reinwardtiana* Miq. Pl. Jungh. 1 (1851) 186; Hook. f. in Trans. Linn. Soc. 22 (1859) 422 (*reinwardtii*), DC. Prodr. 17 (1873) 103; Becc. Malesia 3 (1886) 5; Ridl. in Journ. Str. Branch Roy. As. Soc. 63 (1912) 62; Macfarl. in Engl. Pflanzenreich 36 (1908) 50.

Sarawak, *Lobb* 86, *Low, Beccari*. Malay Peninsula, Sumatra, Banca.

22. *Nepenthes sanguinea* Lindl. in Gard. Chron. (1849) 580, f. 2; Macfarl. in Engl. Pflanzenreich 36 (1908) 45.

Borneo, fide *Burbidge* ex Macfarlane l.c. Malay Peninsula.

23. *Nepenthes stenophylla* Mast. in Gard. Chron. III 8 (1890) 240, 11 (1892) 402; Gartenflora (1890) 647; Macfarl. in Engl. Pflanzenreich 36 (1908) 74.

Borneo, *Curtis*. Endemic.

24. *Nepenthes tentaculata* Hook. f. in DC. Prodr. 17 (1873) 101; Becc. Malesia 3 (1886) 5; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 217; Macfarl. in Engl. Pflanzenreich 36 (1908) 41, f. 15; Ridl. in Journ. Str. Branch Roy. As. Soc. 33 (1900) 23; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 125.

British North Borneo, *Low*, *Burbidge*, *Gibbs* 4078a, 4078b, *Clemens* 10882!, 10501!, 10883!, 10877!, *Topping* 1848!, Sarawak, *Shelford*, *Lobb* 38, *Hullett* 354, *Native collector* 649!, 973!, 1095!, *Bur. Sci.*

Var. *tomentosa* Macfarl. l.c.; Gibbs l.c.

British North Borneo, *Burbidge*, *Gibbs* 4217.

Var. *imberbis* Macfarl. l.c.

Sarawak, *Beccari* 2930. Endemic. *Nepenthes trichocarpa* Miq. doubtfully credited to Labuan by Beccari, Malesia 3 (1886) 5, is known only from Sumatra.

25. *Nepenthes veitchii* Hook. f. in Trans. Linn. Soc. 22 (1859) 421, t. 69, DC. Prodr. 17 (1873) 96; Becc. Malesia 3 (1886) 3, *Nelle Foreste di Borneo* (1902) 160, f. 32; Macfarl. in Engl. Pflanzenreich 36 (1908) 73. *Nepenthes lanata* Lindl. in Gard. Chron. (1854) 375, *nomen nudum*. *Nepenthes villosa* Hook. f. in *Curtis's Bot. Mag.* III 14 (1858) t. 5080, non DC.

Borneo, *Lobb* 145, *Low*, *Burbidge*, *Beccari*.

26. *Nepenthes villosa* Hook. f. l.c. Pl. II 5 (1853), t. 888, Trans. Linn. Soc. 22 (1859) 420, t. 69, DC. Prodr. 17 (1873) 96; Miq. Fl. Ind. Bat. 1/2 (1859) 688; Becc. Malesia 3 (1886) 3; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 217; Macfarl. in Engl. Pflanzenreich 36 (1908) 52; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 126.

British North Borneo, *St. John*, *Burbidge*, *Whitehead*, *Low*, *Gibbs* 4286, *Haslam*!, *Clemens* 10627!, 10540! Endemic.

Droseraceae.

1. *Drosera burmanni* Vahl Symb. 3 (1794) 50; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 74.

British North Borneo, *Gibbs 2598, Clemens 9589!*, *Topping 1457!* India to Japan southward to tropical Australia.

2. ***Drosera indica*** Linn. Sp. Pl. (1753) 282; Diels in Engl. Pflanzenreich 26 (1906) 77.

Borneo, *Motley 460*. Tropical Africa and Asia through Malaya to Australia.

3. ***Drosera spathulata*** Labill. Nov. Holl. Pl. Sp. 1 (1804) 79, t. 106, f. 1; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 149; Diels in Engl. Pflanzenreich 26 (1906) 83; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 74.

British North Borneo, *Low, Haviland 1268, Gibbs 4040, Topping 1886!*, *Clemens 10988!*, *10908!* Japan and China, Philippines, Australia, New Zealand.

Crassulaceae.

1. ***Bryophyllum pinnatum*** (Lam.) Kurz in Journ. As. Soc. Beng. 40|2 (1871) 52. *Bryophyllum calycinum* Salisb. Parad. Lond. (1805) t. 3.

British North Borneo, *Clemens 10299!* Pantropic.

Saxifragaceae.

1. ***Dichroa febrifuga*** Lour. Fl. Cochinch. (1790) 301; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 148; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 73.

British North Borneo, *Burbidge, Haviland 1375, Gibbs 3018, Clemens 9814!*, *10434!*, *9896!*; Sarawak, *Native collector 2773!* *Bur. Sci.* India to southern China and Malaya.

1. ***Itea macrophylla*** Wall. in Roxb. Fl. Ind. 2 (1824) 419; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 148; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 73.

British North Borneo, *Haviland 1386, Gibbs 3963, Clemens 9858!*, *9771!* India to Indo-China, Java, Sumatra, and the Philippines.

1. ***Polyosma borneensis*** Schltr. in Engl. Bot. Jahrb. 52 (1914) 134. *Polyosma pisocarpa* Ridl. in Journ. Str. Branch Roy. As. Soc. 75 (1917) 33.

Sarawak, *Haviland 2911, 2912, 2913, 1464, 1988, Hose 665!*, *Sarawak Museum s.n.!* Endemic.

2. ***Polyosma bracteosum*** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 148; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 74.

British North Borneo, *Haviland 1103, Gibbs 4259, Clemens 10731!* Endemic.

3. **Polyosma havilandii** Schltr. in Engl. Bot. Jahrb. 52 (1914) 134. *Polyosma fragrans* Ridl. in Journ. Str. Branch Roy. As. Soc. 75 (1917) 31, non Benn.

Sarawak, *Haviland 944, 1886, Sarawak Museum s.n.!* Endemic.

4. **Polyosma hookeri** Stapf in Hook. Ic. IV 3 (1894) t. 2296, Trans. Linn. Soc. Bot. 4 (1894) 148; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 74.

British North Borneo, *Low, Haviland 1068, Gibbs 4263, Clemens 10574!* Endemic.

5. **Polyosma latifolia** Schltr. in Engl. Bot. Jahrb. 52 (1914) 135. *Polyosma flavovirens* Ridl. in Journ. Str. Branch Roy. As. Soc. 75 (1917) 32.

Sarawak, *Haviland 2914 (or Haviland & Hose 2914), Sarawak Museum s.n.!* Malay Peninsula (*P. velutina* King, non Blume, *P. kingiana* Schltr.).

Pittosporaceae.

1. **Pittosporum ferrugineum** Dryand. in Ait. Hort. Kew. ed. 2, 2 (1811) 27; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 58.

British North Borneo, *Gibbs 2740, 2741, Clemens 10249!, 11153!*; Sarawak, *Native collector 2098! Bur. Sci., Foxworthy 296!* Malay Peninsula and Archipelago to tropical Australia.

Cunoniaceae.

1. **Weinmannia blumei** Planch. in Hook. Lond. Journ. Bot. 6 (1847) 470.

British North Borneo, *Clemens 10291!*, a sterile specimen the identification not absolutely certain. Java.

No representative of the *Hamamelidaceae* is reported from Borneo, although probably representatives of some of the few Malayan genera occur in the Island.

Rosaceae.

1. **Stranvaesia integrifolia** Stapf in Hook. Ic. IV 3 (1894) t. 2295, Trans. Linn. Soc. Bot. 4 (1894) 147; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 73.

British North Borneo, *Haviland 1071, Gibbs 4206, Clemens 10713!, 10640!* Endemic.

1. **Rubus alpestris** Blume Bijdr. (1826) 1103; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 145.

British North Borneo, *Haviland.* Java.

2. **Rubus elongatus** Sm. Ic. Haect. Ined. 3 (1791) t. 62; Focke in Bibl. Bot. 17 (1910) 60; Hallier f. in Beihefte Bot. Centralbl. 34|2 (1916) 21. *Rubus lobbianus* Hook. Ic. 8 (1848) t. 741, 742.

Borneo, fide Focke and Hallier l.c. Malay Peninsula, Sumatra, Java, Tidore, Celebes.

3. **Rubus fraxinifolius** Poir. in Lam. Encycl. 6 (1804) 242; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 146; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 73.

British North Borneo, *Low, Haviland 1376, Gibbs 1414, Clemens 10411!* Formosa through the Philippines to Malaya.

4. **Rubus glomeratus** Blume Bijdr. (1826) 1111; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 144; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 72.

British North Borneo, *Haviland, Gibbs 3989, Clemens 9643!* Java.

5. **Rubus hallieri** Focke in Bibl. Bot. 17 (1910) 94.

Dutch Borneo, *Hallier 750, Jaheri.* Endemic.

6. **Rubus lineatus** Reinw. ex Blume Bijdr. (1826) 1108; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 145; Focke in Bibl. Bot. 17 (1910) 47, f. 14.

British North Borneo, *Haviland 1064, Clemens 10594!, 10733!* Malay Peninsula, Sumatra, Java.

7. **Rubus lowii** Stapf in Hook. Ic. IV 3 (1894) t. 2289, Trans. Linn. Soc. Bot. 4 (1894) 145; Focke in Bibl. Bot. 17 (1911) 144.

British North Borneo, *Low, Haviland 1082, Clemens 10642!, 10595!* Endemic.

8. **Rubus moluccanus** Linn. Sp. Pl. (1753) 1197; Hallier f. in Beihefte Bot. Centralbl. 34|2 (1916) 21; Merr. Interpret. Herb. Amb. (1917) 245; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 72. *Rubus hasskarlii* Miq.; Focke in Bibl. Bot. 17 (1910) 98, f. 41.

British North Borneo, *Gibbs 2856, Clemens 10290!* Malay Archipelago and the Philippines to New Caledonia.

9. **Rubus peltinervius** Focke in Bibl. Bot. 17 (1910) 94, f. 39.

Borneo, fide Focke l.c. Java.

10. **Rubus rosaefolius** Sm. Pl. Ic. Haec. Ined. 3 (1791) 60; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 146.

British North Borneo, *Haviland 1195, Burbidge, Clemens 9904!*
India to Japan and Malaya.

1. *Potentilla leuconota* D. Don var. *borneensis* Stapf in
Trans. Linn. Soc. Bot. 4 (1894) 146; Wolf in *Bibl. Bot.* 16 (1908)
680.

British North Borneo, *Low, Haviland 1058, Clemens 10637!,
Haslam!* The variety endemic, the species India to Yunnan.

2. *Potentilla mooniana* Wight var. *kinabaluensis* Stapf in
Trans. Linn. Soc. Bot. 4 (1894) 146; Gibbs in *Journ. Linn. Soc.
Bot.* 42 (1914) 73.

British North Borneo, *Haviland 1056, Gibbs 4183, Clemens
10617!, Topping 1686!, Haslam!* The variety endemic, the species
in Ceylon.

3. *Potentilla parvula* Stapf in *Hook. Ic.* IV 3 (1894) *t.* 2294,
Trans. Linn. Soc. Bot. 4 (1894) 147; Gibbs in *Journ. Linn. Soc.
Bot.* 42 (1914) 73; Wolf in *Bibl. Bot.* 16 (1898) 683.

British North Borneo, *Low, Haviland 1057, Clemens 10580!
10652! Gibbs 4208.* Endemic.

Rosa indica Linn. is reported from Borneo, by Miquel, *Fl.
Ind. Bat.* 1|1 (1855-58) 385, but it is to be found in the Malayan
region only in cultivation.

1. *Prunus javanica* (Teysm. & Binn.) Miq.; Hallier f. in
Beihefte Bot. Centralbl. 34|2 (1916) 23.

Dutch Borneo, *Teysmann, Hallier.*

Var. *angustifolia* Hallier f. *l.c.* 24.

Dutch Borneo, *Korthals.* Sumatra, Java, Palawan.

1. *Pygeum ellipticum* Merr. in *Journ. Str. Branch Roy.
As. Soc.* 76 (1917) 83.

Sarawak, *Jee Koo!* Endemic.

2. *Pygeum cocarpum* Stapf in *Trans. Linn. Soc. Bot.* 4
(1894) 144; Koehne in *Engl. Bot. Jahrb.* 51 (1913) 206, 214.

British North Borneo, *Haviland 1118.* Endemic.

3. *Pygeum pachyphyllum* Merr. in *Journ. Str. Branch Roy.
As. Soc.* 76 (1917) 82.

British North Borneo, *Clemens 11200!* Endemic.

Pygeum parviflorum Teysm. & Binn. is credited to Borneo
by King in *Journ. As. Soc. Beng.* 66|2 (1897) 291, but Koehne,
in *Engl. Bot. Jahrb.* 51 (1913) 188, states that the species so
interpreted by Hooker f. and by King is *P. sericeum* Koehne,
not *P. parviflorum* Teysm. & Binn.; Koehne excludes the Bornean

specimens from *P. sericeum*, but does not indicate to which species they are to be referred.

1. **Parinarium corymbosum** (Blume) Miq. Fl. Ind. Bat. 1|1 (1855) 356; Merr. in Philip. Journ. Sci. 10 (1915) Bot. 309. *Maranthes corymbosa* Blume Bijdr. (1825) 89. *Maranthes multiflora* Korth. Verh. Nat. Gesch. Bot. (1839-42) 259, t. 70, Nederl. Kruidk. Arch. 3 (1855) 281. *Exitelia multiflora* Walp. Repert. 5 (1845-46) 115. *Parinarium multiflorum* Miq. Fl. Ind. Bat. 1|1 (1855-58) 356; Walp. Ann. 4 (1857) 646. *Parinarium griffithianum* Benth. Niger Fl. (1849) 334; Blume Mus. Bot. Lugd.-Bat. 2 (1856) 98.

Dutch Borneo, *Korthals*; British North Borneo, *Villamil 103!* Andaman Islands to Australia.

2. **Parinarium costatum** Blume ex Miq. Fl. Ind. Bat. 1|1 (1855) 354; Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 81.

British North Borneo, *Villamil 204!* Malay Peninsula, Sumatra, Java.

3. **Parinarium glaberrimum** Hassk. in Tijdschr. Nat. Ges. 10 (1843) 147, *nomen*, Cat. Hort. Bogor. (1844) 269, *nomen*, Flora 27 (1844) 583; Merr. Interpret. Herb. Amb. (1917) 247, Journ. Str. Branch Roy. As. Soc. 76 (1917) 82. *Parinarium scaberrimum* Hassk. lcc.

British North Borneo, *Villamil 196!* Sarawak, *Hose 91!, 475!* Malay Peninsula and Archipelago to Polynesia.

1. **Angelesia splendens** Korth. in Nat. Tijdschr. Nederl. Ind. 7 (1854) 210, Nederl. Kruidk. Arch. 3 (1855) 348; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 236; Walp. Ann. 4 (1857) 648; Boerl. & Koord. in Ic. Bogor. 1 (1901) t. 96. *Trychocarya splendens* Miq. Fl. Ind. Bat. 1|1 (1855-58) 358; Walp. Ann. 4 (1857) 640. *Licania angelisia* Blume M \acute{e} lang Bot. (1855) No. 2, Flora 41 (1858) 256. *Parinarium nitidum* Hook. f. Fl. Brit. Ind. 2 (1878) 310.

Dutch Borneo, *Korthals*, *Winkler 3408!*; Sarawak, *Native collector 784!* *Bur. Sci., Sarawak Museum 60!*; British North Borneo, *Clemens 9573!*, *Villamil 111!, 112!, 194!* Malay Peninsula, Sumatra, Philippines.

1. **Parastemon spicatum** Ridl. in Journ. Str. Branch Roy. As. Soc. 75 (1917) 29.

Sarawak, *Haviland 723*, *Haviland & Hose 3240*. Endemic.

2. **Parastemon urophyllum** A. DC. in Ann. Sci. Nat. II 18 (1842) 208; Becc. Nelle Foreste di Borneo (1902) 578.

Sarawak, *Beccari*. Malay Peninsula, Sumatra.

Connaraceae.

1. **Santaloides humile** (Blume) O. Kuntze Rev. Gen. Pl. **1** (1891) 155. *Rourea humilis* Blume Mus. Bot. Lugd.-Bat. **1** (1850) 262; Walp. Ann. **2** (1850-51) 297; Miq. Fl. Ind. Bat. **1**|**2** (1858-59) 658.

Borneo, fide *Blume* l.c. India and Ceylon to the Malay Peninsula, Nicobar Islands, Sumatra, and Java.

2. **Santaloides mimosoides** (Jack) O. Kuntze Rev. Gen. Pl. **1** (1891) 155. *Rourea concolor* Blume Mus. Bot. Lugd.-Bat. **1** (1850) 264; Hook. f. in Trans. Linn. Soc. **23** (1860) 172; King in Journ. As. Soc. Beng. **66**|**2** (1897) 15.

Labuan, *Motley*; British North Borneo, *Villamil* 187!, *Foxworthy* 608!; Sarawak, *Native collector* 1621! *Bur. Sci.* Malay Peninsula, Sumatra.

3. **Santaloides simile** (Blume) O. Kuntze Rev. Gen. Pl. **1** (1891) 155. *Rourea similis* Blume Mus. Bot. Lugd.-Bat. **1** (1850) 264. *Rourea sororia* Planch. in Linnaea **23** (1850) 422; Walp. Ann. **2** (1850-51) 298; Miq. Fl. Ind. Bat. **1**|**2** (1858-59) 660; Hook. f. in Trans. Linn. Soc. **23** (1860) 171.

Borneo, *Low*. Endemic.

1. **Agelaea borneensis** (Hook. f.) Merr. in Philip. Journ. Sci. **2** (1909) Bot. 127; Schellenb. Beitr. Anat. Syst. Connar. (1910) 65. *Hemiandrina borneensis* Hook. f. in Trans. Linn. Soc. **23** (1860) 171, t. 28; Walp. Ann. **7** (1868) 651. *Troostwykia singularis* Miq. Fl. Ind. Bat. Suppl. (1860) 531. *Agelaea vestita* Hook. f. Fl. Brit. Ind. **2** (1876) 46.

Labuan, *Lobb*; Sarawak, *Hose* 191!; British North Borneo, *Villamil* 223! Malay Peninsula, Sumatra.

1. **Ellipanthus beccarii** Pierre Fl. Cochinch. **4** (1898) sub. t. 378.

Sarawak, *Beccari* 296, 1897. Endemic.

2. **Ellipanthus griffithii** Hook. f. Fl. Brit. Ind. **2** (1876) 56; King in Journ. As. Soc. Beng. **66**|**2** (1897) 10.

Borneo, fide *King* l.c. Malay Peninsula.

3. **Ellipanthus mindanaensis** Merr. in Philip. Journ. Sci. **4** (1909) Bot. 124; Journ. Str. Branch Roy. As. Soc. **76** (1917) 84.

British North Borneo, *Villamil* 256!, 314!, 403! Mindanao.

1. **Connarus agamae** Merr. in Philip. Journ. Sci. **13** (1918) Bot. 68.

British North Borneo, *Agama* 422! Endemic.

2. **Connarus borneensis** Merr. in Philip. Journ. Sci. **13** (1918) Bot. 69.

Sarawak, *Native collector 240!*, *2361!* *Bur. Sci.*; British North Borneo, Endemic.

3. **Connarus densiflorus** Merr. in Philip. Journ. Sci. **13** (1918) Bot. 70.

Sarawak, *Native collector 2550!* *Bur. Sci.* Endemic.

4. **Connarus hebephyllus** King in Journ. As. Soc. Beng. **66**|2 (1897) 5; Schellenb. Beitr. Anat. Syst. Connar. (1910) 75. *Tricholobus ferrugineus* Blume Mus. Bot. Lugd.-Bat. **1** (1850) 237; Walp. Ann. **2** (1850-51) 304; Miq. Fl. Ind. Bat. **1**|2 (1858-59) 667, non *Connarus ferrugineus* Jack.

Borneo, fide *Blume l.c.* Malay Peninsula.

5. **Connarus odoratus** Hook. f. in Trans. Linn. Soc. **23** (1860) 172.

Labuan, *Lobb.* Endemic.

6. **Connarus pachyphyllus** Merr. in Philip. Journ. Sci. **13** (1918) Bot. 71.

Sarawak, *Foxworthy 35!* Endemic.

7. **Connarus plumoso-stellatus** Merr. in Philip. Journ. Sci. **13** (1918) Bot. 72.

British North Borneo, *Foxworthy 157!*, *Native collector 725!*, *1062!* *Bur. Sci.* Endemic.

Leguminosae.

1. **Pithecolobium affine** Baker ex Benth. in Trans. Linn. Soc. **30** (1875) 577; Prain ex King in Journ. As. Soc. Beng. **66**|2 (1897) 269.

Borneo, *Lobb.* Malay Peninsula; *Lobb's* specimen may have been from the Malay Peninsula, rather than from Borneo.

2. **Pithecolobium angulatum** (Grah.) Benth. in Hook. Lond. Journ. Bot. **3** (1844) 208, Trans. Linn. Soc. **30** (1875) 580; Gibbs in Journ. Linn. Soc. Bot. **42** (1914) 72.

British North Borneo, *Gibbs 3973*, *Villamil 344!*; Sarawak, *Hose 546!*, *Foxworthy 29!* India to Malaya and the Philippines.

3. **Pithecolobium borneense** Benth. in Trans. Linn. Soc. **30** (1875) 579.

Sarawak, *Beccari 1715*, *3491.* Endemic.

4. **Pithecolobium clypearia** (Jack) Benth. in Hook. Lond. Journ. Bot. **3** (1844) 209; Miq. Fl. Ind. Bat. **1**|1 (1855) 35; Benth. in Trans. Linn. Soc. **30** (1875) 580.

Sarawak, *Beccari* 3745. Southern China to Malaya.

5. *Pithecolobium dulce* (Roxb.) Benth. in Hook. Lond. Journ. Bot. 3 (1844) 199.

British North Borneo, *Clemens* 9653!, *Villamil* 180!, 356! Introduced from the Philippines where it is very common; a native of tropical America.

6. *Pithecolobium ellipticum* (Blume) Hassk. *Retzia* 1 (1855) 225; Prain ex King in Journ. As. Soc. Beng. 66|2 (1897) 270. *Pithecolobium fasciculatum* Benth. in Hook. Lond. Journ. Bot. 3 (1844) 208; Trans. Linn. Soc. 30 (1875) 577; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 72; Miq. Fl. Ind. Bat. 1|1 (1855) 33.

Sarawak, *Beccari* 1134; British North Borneo, *Gibbs* 2720, *Villamil* 343!; Sarawak, *Native collector* 409!, 637!, 2316! *Bur. Sci.*, *Foxworthy* 57!, *Hose* 547! Malay Peninsula, Java, Sumatra, Philippines.

7. *Pithecolobium kunstleri* Prain ex King in Journ. As. Soc. Beng. 66|2 (1897) 271.

Borneo, fide *Prain* l.c. Malay Peninsula.

8. *Pithecolobium lobatum* Benth. in Hook. Lond. Journ. Bot. 3 (1844) 208; Trans. Linn. Soc. 30 (1875) 575; Miq. Fl. Ind. Bat. 1|1 (1855) 33; Becc. Nelle Foreste di Borneo (1902) 576, 597. *Pithecolobium bigeminum* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 144, non Mart.

Sarawak, *Beccari* 3060, *Foxworthy* 323!, *Native collector* 197!, 394!, 451! *Bur. Sci.*; British North Borneo, *Haviland* 1369. Malay Peninsula, Sumatra, Java.

9. *Pithecolobium montanum* Benth. in Hook. Lond. Journ. Bot. 3 (1844) 209, Trans. Linn. Soc. 30 (1875) 580.

Borneo, *Motley*; Sarawak, *Beccari* 2751, 3730, *Hewitt*, *Native collector* 1670!, 379!, 1402! *Bur. Sci.*; British North Borneo, *Clemens* 10795! Java.

10. *Pithecolobium motleyanum* Benth. in Trans. Linn. Soc. 30 (1875) 575 (*mottleyanum*).

Borneo, *Motley*. Endemic.

11. *Pithecolobium prainianum* Merr. in Philip. Journ. Sci. 1 (1906) Suppl. 61, 5 (1910) Bot. 20. *Pithecolobium montanum* Benth. var *microphyllum* Benth. in Trans. Linn. Soc. 30 (1875) 580.

Borneo, fide *Bentham* l.c. Java, Philippines.

1. **Albizzia myriophylla** (Grah.) Benth. in Hook. Lond. Journ. Bot. 3 (1844) 90; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 72.

British North Borneo, *Gibbs* 2636, 2945. Malay Peninsula.

2. **Albizzia lebbeck** (Linn.) Benth. in Hook. Lond. Journ. Bot. 3 (1844) 87.

British North Borneo, *Villamil* 161! Widely distributed in tropical and subtropical countries; often planted.

3. **Albizzia moluccana** Miq. Fl. Ind. Bat. 1|1 (1855) 26.

British North Borneo, *Villamil* 163!, 205! Moluccas.

4. **Albizzia scandens** Merr. in Philip. Journ. Sci. 4 (1909) Bot. 265, 11 (1916) Bot. 87.

British North Borneo, *Villamil* 346!; Sarawak, *Hose* 56!, 523!, 691! Palawan.

1. **Acacia farnesiana** (Linn.) Willd. Sp. Pl. 4 (1805) 1083; Miq. Fl. Ind. Bat. 1|1 (1855) 7. *Vachellia farnesiana* W. & A.; Miq. Anal. Bot. Ind. 1 (1850) 9.

Borneo, fide *Miquel* l.c. Pantropic, originating in tropical America.

2. **Acacia pennata** Willd. var. **pluricapitata** (Steud.) Baker in Hook. f. Fl. Brit. Ind. 2 (1878) 250.

Sarawak, *Native collector* 693! *Bur. Sci.* India to Indo-China, Malaya, and the Philippines.

1. **Mimosa pudica** Linn. Sp. Pl. (1753) 518.

British North Borneo, *Clemens* 9535!, *Villamil* 274!; Sarawak, *Native collector* 1796! *Bur. Sci.* Pantropic; a native of tropical America.

2. **Mimosa sepiaria** Benth. in Hook. Lond. Journ. Bot. 4 (1845) 395; Prain. ex King in Journ. As. Soc. Beng. 66|2 (1897) 247.

Borneo, fide *Prain* l.c. A native of tropical America.

1. **Adenanthera borneensis** Brace ex King in Journ. As. Soc. Beng. 66|2 (1897) 244.

Borneo, *Hullett*. Endemic.

2. **Adenanthera pavonina** Linn. Sp. Pl. (1753) 384; Miq. Fl. Ind. Bat. 1|1 (1855) 46, Anal. Bot. Ind. 1 (1850) 9; Becc. Nelle Foreste di Borneo (1902) 190.

Sarawak, *Beccari*; British North Borneo, *Villamil* 167! Tropical Asia and Malaya; often planted.

3. **Adenanthera? polita** (Blume) Miq. Fl. Ind. Bat. 1|1 (1855) 47; Walp. Ann. 4 (1857) 613. *Albizzia? polita* Blume ex Miquel l.c. in syn.

Dutch Borneo, *Koithals*. Endemic; a species of very doubtful status, the flowers and fruits unknown.

1. **Entada borneensis** Ridl. in Journ. As. Soc. Beng. 67|2 (1898) 307.

Sarawak, *Haviland 374, 1563*. Endemic.

2. **Entada phaseoloides** (Linn.) Merr. in Philip. Journ. Sci. 9 (1914) Bot. 86, Interpret. Herb. Amb. (1917) 253. *Entada scandens* Benth.; Becc. Nelle Foreste di Borneo (1902) 595. India to Malaya and Polynesia.

1. **Parkia singularis** Miq. Fl. Ind. Bat. 1|1 (1858) 1078, Suppl. (1860-62) 285; Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 84.

British North Borneo, *Villamil 201*; Sarawak, *Native collector 1821! Bur. Sci. Sumatra*.

2. **Parkia timoriana** (DC.) Merr. in Philip. Journ. Sci. 5 (1910) 33. *Inga timoriana* DC. Prodr. 2 (1825) 442. *Parkia roxburghii* G. Don Gen. Syst. 2 (1832) 397; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 72.

British North Borneo, *Gibbs 3122*. India and Indo-China to Malaya and the Philippines.

1. **Erythrophloeum densiflorum** (Elm.) Merr. in Philip. Journ. Sci. 4 (1910) Bot. 267, 11 (1916) Bot. 83.

British North Borneo, *Villamil 52!* Philippines.

1. **Sympetalandra borneensis** Stapf in Hook. Ic. IV 8 (1901) t. 2721.

Sarawak, *Haviland 1628*. A monotypic endemic genus.

1. **Cynometra bijuga** Span. in Linnaea 15 (1841) 201, *nomen*, Miq. Fl. Ind. Bat. 1|1 (1855) 78.

Borneo, fide *Miquel* l.c.; Sarawak, *Hose 165!*. Ceylon to Malaya and the Philippines.

2. **Cynometra cauliflora** Linn. Sp. Pl. (1753) 382; Miq. Anal. Bot. Ind. 1 (1850) 11, Fl. Ind. Bat. 1|1 (1855) 77; Walp. Ann. 4 (1857) 601.

Borneo, fide *Miquel* l.c. Widely distributed in the Malayan region in cultivation.

3. **Cynometra polyandra** Roxb. Pl. Coromand. 3 (1819) 286; Miq. Anal. Bot. Ind. 1 (1850) 11.

Borneo, fide *Miquel* l.c. India to the Malay Peninsula.

1. **Sindora** spp.

Two species of this genus are represented in our Bornean collections, but the specimens present neither flowers nor fruits. *Villamil* 1!, and *Foxworthy* 55!, 505!

1. **Crudia caudata** Prain in Journ. As. Soc. Beng. 66|2 (1897) 219, 488.

Borneo, fide *Prain* l.c. Malay Peninsula.

2. **Crudia havilandii** Prain in Journ. As. Soc. Beng. 73|2 (1904) 199.

Sarawak, *Haviland* 3070, 3703. Endemic.

3. **Crudia reticulata** Merr. in Philip. Journ. Sci. 13 (1918) Bot.

British North Borneo, *Villamil* 393! Endemic.

4. **Crudia tenuipes** Merr. in Philip. Journ. Sci. 11 (1916) Bot. 83.

Sarawak, *Native collector* 1385! *Bur. Sci.* Endemic.

1. **Saraca hullettii** Prain in Journ. As. Soc. Beng. 66|2 (1897) 492.

Sarawak, *Hullett*, *Haviland*, *Beccari* 916. Endemic.

2. **Saraca macroptera** Miq. Fl. Ind. Bat. 1|1 (1858) 1080; Prain in Journ. As. Soc. Beng. 66|2 (1897) 215, 492.

Borneo, fide *Prain* l.c. Malay Peninsula, Sumatra.

1. **Tamarindus indica** Linn. Sp. Pl. (1753) 34.

British North Borneo, *Clemens* 9559!.

The tamarind; pantropic in cultivation, probably a native of Africa.

1. **Intsia bakeri** Prain in Sci. Mem. Med. Off. Army Ind. 12 (1901) 13; Merr. in Philip. Journ. Sci. 11 (1916) Bot. 85.

Sarawak, *Foxworthy* 482! Siam, Malay Peninsula, Andaman Islands.

2. **Intsia bijuga** (Colebr.) O. Kuntze Rev. Gen. Pl. 1 (1891) 192. *Afzelia bijuga* A. Gray; Becc. Nelle Foreste di Borneo (1902) 577. *Intsia amboinensis* "Thouars" (DC.); Miq. Fl. Ind. Bat. 1|1 (1855) 80; Walp. Ann. 4 (1857) 610.

Borneo, fide *Miquel* and *Beccari*; Sarawak, *Foxworthy* 171! India to Malaya.

3. **Intsia retusa** (Kurz) O. Kuntze Rev. Gen. Pl. 1 (1891) 182; Merr. in Philip. Journ. Sci. 11 (1916) Bot. 85.

Sarawak, *Hose 507!*; British North Borneo, *Villamil 52!* India to Cochinchina and the Malay Peninsula.

1. ***Pahudia borneensis*** (Harms.) Merr. in Journ. Str. Branch Roy. As. Soc. **76** (1917) 84. *Afzelia borneensis* Harms in Fedde Repert. **14** (1916) 256 (April 15). *Pahudia acuminata* Merr. in Philip. Journ. Sci. **11** (1916) Bot. 86 (June 24).

Sarawak, *Hose 93*. Endemic.

1. ***Bauhinia acuminata*** Linn. Sp. Pl. (1753) 375; Miq. Fl. Ind. Bat. **1|1** (1855) 74.

Borneo, fide *Miquel* l.c.; British North Borneo, *Foxworthy 599!*, cultivated. India to Malaya.

2. ***Bauhinia borneensis*** Merr. in Philip. Journ. Sci. **11** (1916) Bot. 78.

Sarawak, *Native collector 1906!*, *1040!*, *1787!*, *1874!* *Bur. Sci.* Endemic.

3. ***Bauhinia brachysypha*** Baker in Kew Bull. (1896) 22.

British North Borneo, *Creagh*. Endemic.

4. ***Bauhinia burbidgei*** Stapf in Trans. Linn. Soc. Bot. **4** (1894) 143.

British North Borneo, *Burbidge*; Sarawak, *Beccari 633*, *3016*, *Wallace, Hose 443!*, *Native collector 1044!*, *2569!*, *2750!*, *2813!*, *Bur. Sci.*; Labuan (?), *Low*. Endemic.

5. ***Bauhinia cardiophylla*** Merr. in Philip. Journ. Sci. **11** (1916) Bot. 79.

Sarawak, *Native collector 1857!*, *1858!* *Bur. Sci.*, *Hose 289!*; British North Borneo, *Clemens 11201!* Endemic.

6. ***Bauhinia creaghii*** Baker in Kew Bull. (1896) 21.

British North Borneo, *Creagh*. Endemic; to be compared critically with *B. burbidgei* Stapf.

7. ***Bauhinia diptera*** Blume ex Miq. Anal. Bot. Ind. **1** (1850) 12. *Phanera diptera* Miq. Fl. Ind. Bat. **1|1** (1855) 70; Walp. Ann. **4** (1857) 607. *Bauhinia glabrifolia* Baker in Hook. f. Fl. Brit. Ind. **2** (1878) 281; Prain ex King in Journ. As. Soc. Beng. **66|2** (1897) 193.

Dutch Borneo, *Korthals*. Tenasserim, Pegu, Malay Peninsula.

8. ***Bauhinia elongata*** Korth. Verh. Nat. Gesch. Bot. (1839-42) 89, t. 24; Miq. Anal. Bot. Ind. **1** (1850) 12; Walp. Repert. **1** (1842) 850.

Dutch Borneo, *Korthals*. Endemic.

9. ***Bauhinia excelsa*** Korth. Verh. Nat. Gesch. Bot. (1839-42) 90 in syn. *Phanera excelsa* Blume ex Miq. Fl. Ind. Bat. **1|1**

(1855) 62; Walp. Ann. 4 (1857) 604; Prain ex King in Journ. As. Soc. Beng. 66|2 (1897) 183. *Bauhinia ferruginea* Korth. Verh. Nat. Gesch. Bot. (1849-42) 90, t. 23; Walp. Ann. 1 (1842) 850; Miq. Anal. Bot. Ind. 1 (1850) 11, non Roxb.

Dutch Borneo, *Korthals*; Sarawak, *Hullett*; British North Borneo, *Clemens 9610!*, *Topping 1933!* Endemic.

10. *Bauhinia excurrens* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 143.

British North Borneo, *Haviland 1382*; Sarawak, *Native collector 1677!* *Bur. Sci.* Endemic.

11. *Bauhinia finlaysoniana* Grah. in Wall. Cat. (1832) No. 5801, *nomen*; Baker in Hook. f. Fl. Brit. Ind. 2 (1878) 278; Ridl. in Journ. Str. Branch Roy. As. Soc. 63 (1912) 59.

Sarawak, *Moulton*. Siam, Malay Peninsula.

12. *Bauhinia foraminifera* Gagnep. in Not. Syst. 2 (1912) 171.

Sarawak, *Beccari 2365*, *Foxworthy 30!*, *Native collector 479!*, *1039!* *699!* *1991!*, *1408!* *Bur. Sci.* Endemic.

13. *Bauhinia havilandii* Merr. in Philip. Journ. Sci. 11 (1916) Bot. 79.

Sarawak, *Native collector 199!* *Bur. Sci.*; British North Borneo, *Villamil 352!* Endemic.

14. *Bauhinia hosei* Merr. in Philip. Journ. Sci. 11 (1916) Bot. 80.

Sarawak, *Hose 254*. Endemic.

15. *Bauhinia kingii* Prain ex King in Journ. As. Soc. Beng. 66|2 (1897) 189.

Sarawak, "*Beccari 835* appears to be the same" Prain. Malay Peninsula.

16. *Bauhinia macropoda* Baker in Kew Bull. (1896) 22. British North Borneo, *Creagh*. Endemic.

17. *Bauhinia megalantha* Merr. in Philip. Journ. Sci. 11 (1916) Bot. 81.

Sarawak, *Hose 163!* Endemic.

18. *Bauhinia menispermacea* Gagnep. in Not. Syst. 2 (1912) 176.

Sarawak, *Haviland & Hose 1014!*, *Native collector 129!*, *1954!*, *1282!* *Bur. Sci.* Endemic.

19. *Bauhinia moultonii* Merr. in Philip. Journ. Sci. 11 (1916) Bot 82.

Sarawak, *Native collector 201!*, *202!* *Bur. Sci.* Endemic.

20. **Bauhinia semibifida** Roxb. Fl. Ind. ed. 2, 2 (1832) 330; Prain ex King in Journ. As. Soc. Beng. 66 (1897) 182.

Borneo, fide *Prain* l.c.; British North Borneo, *Villamil 159!* Malay Peninsula, Sumatra.

21. **Bauhinia stenostachya** Baker in Kew Bull. (1896) 22. British North Borneo, *Creagh*. Endemic.

1. **Dialium patens** Baker in Hook. f. Fl. Brit. Ind. 2 (1878) 270; Prain ex King in Journ. As. Soc. Beng. 66|2 (1897) 169, 484.

Borneo, fide *Prain* l.c. Malay Peninsula.

1. **Koompassia beccariana** Taub. in Bericht. Deutsch. Bot. Gesellsch. 10 (1892) 641; Prain ex King in Journ. As. Soc. Beng. 66|2 (1897) 166, in note.

Sarawak, *Beccari 26901*, *Foxworthy 400!*; British North Borneo, *Villamil 2!*, *83!* Endemic.

2. **Koompassia excelsa** (Becc.) Taub. in Bericht. Deutsch. Bot. Gesellsch. 10 (1892) 641. *t. 32, f. 1-3. Abauria excelsa* Becc. Malesia 1 (1877) 169, *Nelle Foreste di Borneo*, (1902) 576, *f. 34.*

Sarawak, *Beccari*, *Foxworthy 334!*; British North Borneo, *Villamil 49!* Palawan.

1. **Cassia alata** Linn. Sp. Pl. (1753) 378.

British North Borneo, *Clemens 11255!*, *Villamil 263 bis!*; Sarawak, *Hose 164!*, *Native collector 2474!* *Bur. Sci.* A native of tropical America, now pantropic.

2. **Cassia fistula** Linn. Sp. Pl. (1753) 377; Miq. Fl. Ind. Bat. 1|1 (1855) 89.

Borneo, fide *Miquel* l.c. Probably only cultivated in Borneo as it is in other parts of Malaya.

3. **Cassia javanica** Linn. Sp. Pl. (1753) 379; Miq. Fl. Ind. Bat. 1|1 (1855) 90.

Borneo, fide *Miquel* l.c.; Sarawak, *Foxworthy 47!* Malay Peninsula, Sumatra, Java, Moluccas; often confused with *C. nodosa* Ham.

4. **Cassia nodosa** Ham. in Roxb. Fl. Ind. ed. 2, 2 (1832) 336; Prain ex King in Journ. As. Soc. Beng. 66|2 (1897) 155; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 71.

Sarawak, *Haviland!*; British North Borneo, *Gibbs 2828*, *Villamil 206!*; Dutch Borneo, *Winkler 3202!* Sylhet and Chittagong to Indo-China, and Malaya.

5. *Cassia occidentalis* Linn. Sp. Pl. (1753) 377.

Sarawak, *Foxworthy* 285!; British North Borneo, *Villamil* 285!, *Clemens* 9652!

Pantropic; a native of tropical America.

6. *Cassia siamea* Lam. Encycl. 1 (1785) 648.

British North Borneo, *Villamil* 143!, *Clemens* 11232!

Cultivated as in most other tropical countries.

7. *Cassia surattensis* Burm. f. Fl. Ind. (1767) 97. *Cassia glauca* Lam. Encycl. 1 (1785) 647; Miq. Anal. Fl. Ind. 1 (1850) 10, Fl. Ind. Bat. 1|1 (1855) 96; Walp. Ann. 4 (1857) 597.

Borneo, fide *Miquel* l.c.; Sarawak, ex *Sarawak Museum*! Probably only cultivated in Borneo as it is in other parts of Malaya.

8. *Cassia timoriensis* DC. Prodr. 2 (1825) 499 var. *xanthocoma* Miq. Fl. Ind. Bat. 1|1 (1855) 99; Walp. Ann. 4 (1857) 597. *Cassia xanthocoma* Miq. Anal. Bot. Ind. 1 (1850) 10.

Borneo, fide *Miquel* l.c. Malay Peninsula and Archipelago to the Philippines.

9. *Cassia tora* Linn. Sp. Pl. (1753) 376; Miq. Fl. Ind. Bat. 1|1 (1855) 95. *Cassia borneensis* Miq. Anal. Bot. Ind. 1 (1850) 9.

Borneo, fide *Miquel* l.c.; Sarawak, *Native collector* 1059!, 1771! *Bur. Sci.* Pantropic, a native of tropical America.

1. *Parkinsonia aculeata* Linn. Sp. Pl. (1753) 375; Miq. Anal. Bot. Ind. 1 (1850) 9, Fl. Ind. Bat. 1|1 (1855) 115.

Borneo, fide *Miquel* l.c. A native of tropical America.

1. *Pterolobium borneense* Merr. in Philip. Journ. Sci. 11 (1916) Bot 88.

Sarawak, *Native collector* 2761! *Bur. Sci.* Endemic.

1. *Delonix regia* (Boj.) Raf. Fl. Tellur. 2 (1836) 92. *Poinciana regia* Boj. ex Hook. in Curtis's Bot. Mag. 56 (1829) t. 2884.

British North Borneo, *Villamil* 365! The fire tree cultivated as it is the tropics generally; a native of Madagascar.

1. *Caesalpinia crista* Linn. Sp. Pl. (1753) 380; Merr. in Philip. Journ. Sci. 11 (1916) Bot. 92; Interpret. Herb. Amb.

(1917) 260. *Guilandina bonducella* Linn.; Becc. Nelle Foreste di Borneo (1902) 595.

Sarawak, *Native collector* 2213! *Bur. Sci.* Pantropic.

2. **Caesalpinia nuga** (Linn.) Ait. Hort. Kew. ed. 2, 3 (1811) 32; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 71.

British North Borneo, *Gibbs* 4326, *Clemens* 11263!, *Foxworthy* 603!; Sarawak, *Hose* 269! Pantropic.

3. **Caesalpinia pulcherrima** (Linn.) Sw. Obs. (1791) 166.

British North Borneo, *Clemens* 9702. A native of tropical America, now cultivated or wild in most tropical countries.

4. **Caesalpinia sappan** Linn. Sp. Pl. (1753) 381; Miq. Anal. Bot. Ind. 1 (1850) 9; Becc. Nelle Foreste di Borneo (1902) 594.

Borneo, fide *Miquel* and *Beccari* l.c. Tropics of the Old World.

1. **Mezoneurum platycarpum** Merr. in Philip. Journ. Sci. 11 (1916) Bot. 85.

Sarawak, *Hose* 70. Endemic.

2. **Mezoneurum sumatranum** (Roxb.) W. & A. Prodr. (1834) 283; Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 84.

British North Borneo, *Villamil* 190!, 306! Malay Peninsula, Sumatra, Palawan.

1. **Peltophorum inerme** (Roxb.) Naves in Blanco Fl. Filip. ed. 3, t. 335, ex F.-Vill. Novis. App. (1880) 69 in syn.; Merr. in Philip. Journ. Sci. 11 (1916) Bot. 84. *Peltophorum ferrugineum* Benth. Fl. Austral. 2 (1864) 279; Prain ex King in Journ. As. Soc. Beng. 66|2 (1897) 224.

Sarawak, *Hose* 562!, 685!, *Sarawak Museum* 11!, *Native collector* 2373! *Bur. Sci.*; British North Borneo, *Clemens* 9546! Malay Peninsula and Archipelago to the Philippines and tropical Australia.

2. **Peltophorum racemosum** Merr. in Philip. Journ. Sci. 11 (1916) Bot. 84.

Dutch Borneo, *Winkler* 2424! Endemic.

1. **Ormosia bancana** (Miq.) Prain in Journ. As. Soc. Beng. 69|2 (1900) 184. *Macrotropis bancana* Miq. Fl. Ind. Bat. Suppl. (1860-62) 295. *Ormosia parvifolia* Baker in Hook. f. Fl. Brit. Ind. 2 (1878) 253; Prain in Journ. As. Soc. Beng. 66|2 (1897) 149, 469, 69|2 (1900) 184.

Sarawak, *Haviland* 57, *Hose* 517! Malay Peninsula, Banca.

1. *Sophora tomentosa* Linn. Sp. Pl. (1753) 373; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 71.

British North Borneo, *Gibbs* 3121! Pantropic.

1. *Baphia borneensis* Oliv. in Hook. Ic. IV 5 (1896) t. 2456; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 71.

British North Borneo, *Haviland* 57, *Creagh*, *Gibbs* 3120, *Clemens* 9695!, *Yates* 63!, *Villamil* 313!; Sarawak, *Hose* 82! Endemic; all the other known species of the genus are in Africa and Madagascar.

1. *Crotalaria juncea* Linn. Sp. Pl. (1753) 714; Miq. Anal. Bot. Ind. 1 (1850) 7, Fl. Ind. Bat. 1|1 (1855) 334.

Borneo, fide *Miquel* l.c. India; certainly an introduced plant in Borneo if *Miquel's* identification be correct.

2. *Crotalaria linifolia* Linn. f. Suppl. (1781) 322.

British North Borneo, *Topping* 1476!, exactly the Philippine form described by Vogel as *C. stenophylla* Vog. India to Malaya.

3. *Crotalaria quinquefolia* Linn. Sp. Pl. (1753) 716; Miq. Fl. Ind. Bat. 1|1 (1855) 347.

Borneo, fide *Miquel* l.c.; British North Borneo, *Topping* 1929! India to Malaya.

4. *Crotalaria saltiana* Andr. Bot. Rep. (1811) t. 648; Prain in Journ. Str. Branch Roy. As. Soc. 66|2 (1897) 41. *Crotalaria striata* DC. Prodr. 2 (1825) 131; Miq. Anal. Bot. Ind. 1 (1850) 7, Fl. Ind. Bat. 1|1 (1855) 346.

Sarawak, *Native collector* 163!, 1042!, 1401!, 1782! 2286! *Bur. Sci.*; British North Borneo, *Clemens* 9471!, 11235!, *Villamil* 160!, *Topping* 1913! Pantropic.

5. *Crotalaria verrucosa* Linn. Sp. Pl. (1753) 715; Miq. Anal. Bot. Ind. 1 (1850) 7, Fl. Ind. Bat. 1|1 (1855) 331; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 68.

British North Borneo, *Gibbs* 2743, *Clemens* 9621! *Topping* 1388! Pantropic.

1. *Indigofera hirsuta* Linn. Sp. Pl. (1753) 751; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 68.

British North Borneo, *Gibbs* 2971. Pantropic.

2. *Indigofera zollingeriana* Miq. Fl. Ind. Bat. 1|1 (1855) 310. *Indigofera teysmannii* Miq. op. cit. (1858) 1083; Prain & Baker in Journ. Bot. 40 (1902) 143.

Sarawak, *Native collector* 2288! *Bur. Sci.*, *Sarawak Museum!* Southern China and Formosa through Malaya to New Caledonia.

1. *Millettia chaperii* Gagnep. in Not. Syst. 2 (1913) 353. Sarawak, *Haviland & Hose* 524, *Chaper*. Endemic.

2. *Millettia glaucescens* Kurz in Journ. As. Soc. Beng. 42|2 (1873) 67; Dunn. in Journ. Linn. Soc. Bot. 41 (1912) 174.

Sarawak, *Beccari* 3070, *Native collector* 204!, 689! *Bur. Sci.* Burma, Shan States.

3. *Millettia sericea* (Vent.) Benth. in Miq. Pl. Jungh. (1852) 169; Becc. Nelle Foreste di Borneo (1902) 595.

Sarawak, *Foxworthy* 80!, 14!, 198!, *Native collector* 697!, 1741!, 2710! *Bur. Sci.* Malay Peninsula, Sumatra, Java.

4. *Millettia?* *splendidissima* Blume ex Miq. Fl. Ind. Bat. 1|1 (1855) 156; Walp. Ann. 4 (1857) 574.

Borneo, fide *Miquel* l.c., cult. Hort. Bogor. I. D. 27! Endemic; it may prove to be a *Fordia*.

1. *Fordia angustifoliola* Merr. in Philip. Journ. Sci. 11 (1916) Bot. 91.

Sarawak, *Native collector* 198! *Bur. Sci.* Endemic.

2. *Fordia coriacea* Dunn in Kew Bull. (1911) 63.

Sarawak, *Haviland, Hewitt, Hose* 75!; British North Borneo, *Villamil* 183! Endemic.

3. *Fordia filipes* Dunn in Kew Bull. (1911) 64.

Sarawak, *Haviland* 2893, 2903. Endemic.

4. *Fordia gibbsiae* Dunn & Bak. f. in Kew Bull. (1911) 64, *nomen*, Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 68, *fig.*

British North Borneo, *Gibbs* 3001, *Villamil* 375!; Sarawak, *Hose* 334!, *Haviland* 3280. Endemic.

1. *Adinobotrys atropurpureus* (Wall.) Dunn in Kew Bull. (1911) 197.

Sarawak, *Haviland* 1776. Tenasserim, Burma, Malay Peninsula, Sumatra.

2. *Adinobotrys myrianthus* Dunn in Kew Bull. (1911) 196.

Sarawak, *Beccari* 656, 887, 875, *Hose*, 248!, 436!, *Haviland*. Endemic.

3. *Adinobotrys nieuwenhuisii* (J. J. Sm.) Dunn in Kew Bull. (1911) 196. *Millettia nieuwenhuisii* J. J. Sm. in Bull. Dépt. Agr. Ind. Néerl. 3 (1906) 17, Ic. Bogor. 3 (1907) t. 230, 231, Fedde Repert. 6 (1909) 383; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 68.

Dutch Borneo, *Nieuwenhuis 1294*; British North Borneo, *Gibbs 2683*, *Clemens 10168!*, *10831!*, *10100!*, Sarawak, *Native collector 1050!*, *1751!*, *1407!*, *1041!* *Bur. Sci.* Endemic.

1. ***Sesbania grandiflora*** (Linn.) Pers. Syn. 2 (1807) 316. *Agati grandiflora* Desv.; Miq. Anal. Bot. Ind. 1 (1850) 7.

Borneo, fide *Miquel* l.c. Tropics of the Old World; generally planted.

1. ***Smithia conferta*** Smith in Rees Cycl. 33 (1816) No. 2; *Gibbs* in Journ. Linn. Soc. Bot. 42 (1914) 68.

British North Borneo, *Gibbs 2944*. Tropical Asia to Australia.

1. ***Arachis hypogaea*** Linn. Sp. Pl. (1753) 741; Miq. Anal. Bot. Ind. 1 (1850) 8, Fl. Ind. Bat. 1|1 (1855) 281.

Borneo, fide *Miquel* l.c. The peanut, cultivated as in other warm countries, a native of tropical America.

1. ***Desmodium capitatum*** (Burm.) DC. Prodr. 2 (1825) 336; Miq. Fl. Ind. Bat. 1|1 (1855) 241.

Borneo, fide *Miquel* l.c. Tropical Asia and Malaya.

Desmodium elegans Benth., credited to Borneo by *Miquel*, Fl. Ind. Bat. 1|1 (1855) 260, is probably an erroneous identification of *D. pulchellum* Benth.

2. ***Desmodium gyroides*** (Roxb.) DC. Prodr. 2 (1825) 326; Merr. in Philip. Journ. Sci. 11 (1916) Bot. 92.

Sarawak, *Hose 515!*, *Native collector 1410!*, *2025!* *Bur. Sci.*; British North Borneo, *Clemens 11212!*, *Topping 1945!* Tropical Asia through Malaya to New Guinea.

3. ***Desmodium heterocarpum*** (Linn.) DC. Prodr. 2 (1825) 337. *Desmodium polycarpum* DC.; Miq. Fl. Ind. Bat. 1|1 (1855) 242; *Gibbs* in Journ. Linn. Soc. Bot. 42 (1914) 70.

British North Borneo, *Gibbs 2923*, *2952*, *Clemens 10038!*; Sarawak, *Foxworthy 402!* *Native collector 1409!*, *1999!* *Bur. Sci.* Tropics of the Old World.

4. ***Desmodium heterophyllum*** (Willd.) DC. Prodr. 2 (1825) 334; *Gibbs* in Journ. Linn. Soc. Bot. 42 (1914) 70.

British North Borneo, *Gibbs 2858*, *Clemens 9628!*; Sarawak, *Native collector 2673!* *Bur. Sci.* Tropical Asia to Malaya and the Mascarene Islands.

5. ***Desmodium laxum*** DC. in Ann. Sci. Nat. 4 (1825) 336; Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 85.

British North Borneo, *Clemens 10901!* Tropical Asia and Malaya.

6. **Desmodium scalpe** (Conn.) DC. Prodr. 2 (1825) 334; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 142; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 70.

British North Borneo, *Haviland 1246, Gibbs 4317, Clemens 10401!* Tropics of the Old World.

7. **Desmodium triflorum** (Linn.) DC. Prodr. 2 (1825) 334. British North Borneo, *Clemens 9556!*, *Yates 35!* Pantropic.

8. **Desmodium trifoliastrum** Miq. Fl. Ind. Bat. 1 (1855) 248; Merr. in Philip. Journ. Sci. 11 (1916) Bot. 92.

Sarawak, *Native collector 2319!* *Bur. Sci.* Malay Peninsula to New Guinea.

9. **Desmodium triquetrum** (Linn.) DC. Prodr. 2 (1825) 326; Miq. Anal. Bot. Ind. 1 (1850) 8. *Pteroloma triquetrum* Benth.; Miq. Fl. Ind. Bat. 1|1 (1855) 258.

Borneo, fide *Miquel* l.c. Tropical Asia and Malaya, to the Mascarene Islands and Australia.

10. **Desmodium umbellatum** (Linn.) DC. Prodr. 2 (1825) 325; Merr. in Philip. Journ. Sci. 11 (1916) Bot. 92.

Sarawak, *Hose 264!*, *Native collector 1045!*, *1620!*, *2210!* *Bur. Sci.* Tropical seashores, India to the Mascarene Islands, Australia, and Polynesia.

1. **Alysicarpus vaginalis** (Linn.) DC. Prodr. 2 (1825) 353; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 70.

British North Borneo, *Gibbs 2958.* Tropics of the Old World.

1. **Uria crinita** Desv. Journ. Bot. 1 (1813) 123; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 68.

British North Borneo, *Gibbs 2725, Clemens 11155!*; Sarawak, *Native collector 1403!* *Bur. Sci.*, *Yates 75!* Tropics of the Old World, introduced in the West Indies.

2. **Uria picta** (Jacq.) Desv. Journ. Bot. 1 (1813) 123, t. 5, f. 19; Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 85.

British North Borneo, *Clemens 9785!*, *Topping 1483!* Tropical Africa, Asia, and Malaya.

1. **Phylacium bracteosum** Benn. in Horsf. Pl. Jav. Rar. (1840) 159, t. 33; Miq. Anal. Bot. Ind. 1 (1850) 8.

Borneo, fide *Miquel* l.c. Malay Peninsula to the Philippines and New Guinea.

1. ***Dalbergia beccarii*** Prain in Journ. As. Soc. Beng. 70|2 (1901) 64, Ann. Bot. Gard. Calcutta 10 (1904) 33, t. 6 A.
Sarawak, *Beccari, Hose 404*; British North Borneo, *Clemens 9977!*; Dutch Borneo, *Teysmann*. Endemic.
2. ***Dalbergia borneensis*** Prain in Journ. As. Soc. Beng. 70|2 (1901) 44, Ann. Bot. Gard. Calcutta 10 (1904) 75, t. 57.
Sarawak, *Haviland 2889, 2890*. Endemic.
3. ***Dalbergia candenatensis*** (Dennst.) Prain in Journ. As. Soc. Beng. 70|2 (1901) 49; Merr. in Philip. Journ. Sci. 5 (1910) 97. *Dalbergia torta* Grah. in Wall. Cat. (1832) No. 5873; Prain in Journ. As. Soc. Beng. 66|2 (1897) 120, Ann. Bot. Gard. Calcutta 10 (1904) 64, t. 42.
Sarawak, *Beccari, Haviland*. Near the seashore, India to Australia and Polynesia.
4. ***Dalbergia discolor*** Blume ex Miq. Fl. Ind. Bat. 1|1 (1855) 130, t. 3; Walp. Ann. 4 (1857) 577; Prain in Ann. Bot. Gard. Calcutta 10 (1904) 36, t. 10.
Dutch Borneo, *Korthals*. Celebes.
5. ***Dalbergia falcata*** Prain in Journ. As. Soc. Beng. 70|2 (1901) 65, Ann. Bot. Gard. Calcutta 10 (1904) 104, t. 89.
Sarawak, *Beccari*. Endemic.
6. ***Dalbergia ferruginea*** Roxb. Fl. Ind. ed. 2, 3 (1832) 228; Prain in Ann. Bot. Gard. Calcutta 10 (1904) 101, t. 86.
British North Borneo, *Fraser*. Philippines and the Moluccas to New Guinea and the Caroline Islands.
7. ***Dalbergia havilandii*** Prain in Journ. As. Soc. Beng. 70|2 (1901) 45, Ann. Bot. Gard. Calcutta 10 (1904) 60, t. 35 B.
Sarawak, *Haviland 2894, 2895, Native collector 1417!* *Bur. Sci.* Endemic.
8. ***Dalbergia hoseana*** Prain in Ann. Bot. Gard. Calcutta 10 (1904) 67, t. 45.
Sarawak, *Haviland & Hose 3375*. Endemic.
9. ***Dalbergia parviflora*** Roxb. Fl. Ind. ed. 2, 3 (1832) 225; Prain in Ann. Bot. Gard. Calcutta 10 (1904) 34, t. 8; Becc. Nelle Foreste di Borneo (1902) 591.
Sarawak, *Beccari, Hose 663!, 595!, 325!, Native collector 96!, 698!* *Bur. Sci.* Tenasserim to the Moluccas.
10. ***Dalbergia phyllanthoides*** Blume ex Miq. Fl. Ind. Bat. 1|1 (1855) 134; Prain in Journ. As. Soc. Beng. 70|2 (1901) 60, Ann. Bot. Gard. Calcutta 10 (1904) 44, t. 9, 10.

Borneo, *Barber, Motley*. Java, Malay Peninsula.

11. *Dalbergia pinnata* (Lour.) Prain in Ann. Bot. Gard. Calcutta 10|1 (1904) 48; Merr. in Philip. Journ. Sci. 5 (1910) 96. *Dalbergia tamarindifolia* Roxb. Fl. Ind. ed. 2, 3 (1832) 233; Prain, op. cit. 69, t. 48.

Borneo, *Korthals, Creagh, Motley, Haviland*. India to Malaya.

12. *Dalbergia pseudo-sissoo* Miq. Fl. Ind. Bat. 11 (1855) 128.

Borneo, fide *Miquel* l.c. Ceylon to Malaya.

13. *Dalbergia rostrata* Grah. in Wall. Cat. (1832) No. 5867; Prain in Journ. As. Soc. Beng. 70|2 (1901) 45, Ann. Bot. Gard. Calcutta 10 (1904) 60, t. 36.

Sarawak, *Haviland 2111, Beccari 3379*. India and Ceylon through Malaya to Celebes.

14. *Dalbergia scortechinii* Prain in Journ. As. Soc. Beng. 66|2 (1897) 444, 70|2 (1901) 40, Ann. Bot. Gard. Calcutta 10 (1904) 40, t. 15. *Dalbergia junghuhnii* Benth. var. *scortechinii* Prain ex King in Journ. As. Soc. Beng. 66|2 (1897) 115.

Sarawak, *Beccari, Haviland, Native collector 2765!, 2790!* *Bur. Sci.* Malay Peninsula, Banca.

15. *Dalbergia simplicifolia* Merr. in Philip. Journ. Sci. 11 (1916) Bot. 87.

Sarawak, *Hose 678!* Endemic.

16. *Dalbergia subalternifolia* (Elm.) Merr. in Philip. Journ. Sci. 10 (1915) Bot. 15, 11 (1916) Bot. 87.

Sarawak, *Native collector 1891!* *Bur. Sci.* Palawan.

17. *Dalbergia velutina* Benth. var. *maingayi* Prain in Journ. As. Soc. Beng. 66|2 (1897) 117, 70|2 (1901) 44, Ann. Bot. Gard. Calcutta 10 (1904) 75, t. 55.

Borneo, *Haviland 1444*. Indo-China and the Malay Peninsula.

1. *Pterocarpus indicus* Willd. Sp. Pl. 3|3 (1800) 904; Becc. Nelle Foreste di Borneo, (1902) 576.

Sarawak, *Beccari, Foxworthy 113!*; British North Borneo, *Villamil 165!* Martaban to the Philippines and the Moluccas.

1. *Pongamia pinnata* (Linn.) Merr. Interpret Herb. Amb. (1917) 271. *Pongamia glabra* Vent. Jard. Malm. 1 (1803) 28. t. 28, Becc. Nelle Foreste di Borneo (1902) 576.

Sarawak, *Beccari*, *Hose* 499!, 581!, *Foxworthy* 303!, 498!
Native collector 1608!, 2204!, 2205! Near the sea, India to
 Polynesia.

1. *Derris elegans* (Grah.) Benth. in *Miq. Pl. Jungh.* (1852)
 252; Merr. in *Philip. Journ. Sci.* **11** (1916) Bot. 91.

Sarawak, *Hose* 361! Tenasserim to Sumatra and the Philip-
 pines.

2. *Derris elliptica* (Roxb.) Benth. in *Journ. Linn. Soc. Bot.*
 4 (1860) Suppl. 111. *Pongamia hypoleuca* *Miq. Fl. Ind. Bat.* **1|1**
 (1855) 148.

Borneo, fide *Miquel* l.c. India to Malaya.

3. *Derris heptaphylla* (Linn.) Merr. *Interpret. Herb. Amb.*
 (1917) 273. *Derris diadelphica* (Blanco) Merr. *Philip. Journ. Sci.*
 5 (1910) Bot. 103, **11** (1916) Bot. 91. *Derris sinuata* Benth. ex
 Thw. *Enum. Pl. Zeyl.* (1859-64) 93.

Sarawak, *Native collector* 200!, 692!, 1405! *Bur. Sci.* Near the
 seashore, India and Ceylon to the Philippines, and the Moluccas.

4. *Derris korthalsiana* Blume ex *Miq. Fl. Ind. Bat.* **1|1**
 (1855) 143; *Walp. Ann.* 4 (1857) 582; Gibbs in *Journ. Linn.*
Soc. Bot. **42** (1914) 71.

Dutch Borneo, *Korthals*; British North Borneo, *Gibbs* 2807.
 Sumatra, (?) Moluccas.

5. *Derris malaccensis* (Benth.) Prain in *Journ. As. Soc.*
Beng. **66|2** (1897) 107, 459; Gibbs in *Journ. Linn. Soc. Bot.* **42**
 (1914) 71. *Derris cuneifolia* Benth. var. *malaccensis* Benth. in
Journ. Linn. Soc. Bot. 4 (1860) Suppl. 112.

Borneo, fide *Bentham* l.c.; British North Borneo, *Gibbs* 2848.
 Tenasserim, Malay Peninsula.

6. *Derris trifoliata* Lour. *Fl. Cochinch.* (1790) 433. *Derris*
uliginosa Benth.; *Miq. Fl. Ind. Bat.* **1|1** (1855) 141; *Walp. Ann.*
 4 (1857) 581; *Becc. Nelle Foreste di Borneo* (1902) 595. *Derris*
forsteniana Blume ex *Miq. Fl. Ind. Bat.* **1|1** (1855) 144; *Walp.*
Ann. 4 (1857) 581.

Sarawak, *Beccari*, *Foxworthy* 10!, *Native collector* 354!, 1612!
Bur. Sci. Muddy seashores and along tidal streams in the
 tropics of the Old World.

1. *Abrus precatorius* Linn. *Syst. ed.* 12 (1767) 472.

British North Borneo, *Clemens* 9549! Pantropic.

1. *Clitoria cajanifolia* (Presl) Benth. in *Mart. Fl. Bras.*
15: 121; Merr. in *Philip. Journ. Sci.* **11** (1916) Bot. 92.

Sarawak, *Foxworthy* 422!, *Native collector* 387!, 703!, 1038!, 1905! *Bur. Sci.* A native of Brazil, now naturalized in various parts of the Malayan region.

2. *Clitoria ternatea* Linn. Sp. Pl. (1753) 753.

British North Borneo, *Clemens* 9553! Pantropic.

1. *Erythrina fusca* Lour. Fl. Cochinch. (1790) 427; Miq. Fl. Ind. Bat. 1|1 (1855) 208; Merr. in Philip. Journ. Sci. 5 (1910) 113. *Erythrina ovalifolia* Roxb. Fl. Ind. ed. 2, 3 (1832) 254.

Borneo, fide *Miquel* l.c. India to Indo-China and Malaya.

2. *Erythrina subumbrans* (Hassk.) Merr. in Philip. Journ. Sci. 5 (1910) 113. *Erythrina lithosperma* Miq. Fl. Ind. Bat. 1|1 (1855) 209, Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 70.

British North Borneo, *Gibbs* 2907. Indo-China to Malaya and the Philippines.

3. *Erythrina variegata* Linn. var. *orientalis* (Linn.) Merr. Interpret. Herb. Amb. (1917) 276. *Erythrina indica* Lam. Encycl. 2 (1785) 391.

I have no definite record of this species as Bornean, but it certainly occurs along the seashore in Borneo as it does in all other parts of Malaya.

1. *Mucuna bicipitata* Teysm. & Binn. Cat. Hort. Bogor. (1866) 261, *nomen*; Burck in Ann. Jard. Bot. Buitenz. 11 (1893) 186, t. 14, f. 1; Prain in Journ. As. Soc. Beng. 66|2 (1897) 66, 407. *Mucuna anguina* Scheff. in Nat. Tijdschr. Nederl. Ind. 32 (1873) 413, non Wall.

Dutch Borneo, *Teysmann*; Sarawak, *Hose* 489!. Malay Peninsula, Sumatra, Penang.

2. *Mucuna gigantea* (Willd.) DC. Prodr. 2 (1825) 405.

British North Borneo, *Clemens* 9694!; Sarawak, *Foxworthy* 8!; *Native collector* 323!, 353!, 1404!, 2212! *Bur. Sci.* Tropical Asia through Malaya to Polynesia.

3. *Mucuna nivea* (Roxb.) W. & A. Prodr. (1834) 255.

British North Borneo, *Clemens* 10161! A native of India, now widely cultivated in the tropics.

4. *Mucuna pruriens* (Linn.) DC. Prodr. 2 (1825) 405; Gibbs in Journ. Linn. Soc. 42 (1914) 70; Merr. Interpret. Herb. Amb. (1917) 277.

British North Borneo, *Gibbs* 2622. Malaya and the Philippines.

5. **Mucuna toppingii** Merr. in Journ. Str. Branch Roy. As. Soc. **76** (1917) 85.

British North Borneo, *Topping 1561!*, *Clemens 10085!*, *10049!* Endemic.

1. **Spatholobus affinis** Merr. in Philip. Journ. Sci. **11** (1916) Bot. 90.

Sarawak, *Hose 632!* Endemic.

2. **Spatholobus ferrugineus** (Zoll.) Benth. in Miq. Pl. Jungh. (1852) 238; Prain in Journ. As. Soc. Beng. **66**|2 (1897) 75, 413.

Borneo, fide *Prain* l.c. Malay Peninsula, Sumatra, Java.

3. **Spatholobus gyrocarpus** (Wall.) Benth. in Miq. Pl. Jungh. (1852) 238; Merr. in Philip. Journ. Sci. **11** (1916) Bot. 90.

Sarawak, *Native collector 2775!* *Bur. Sci.* Malay Peninsula, Philippines.

4. **Spatholobus oblongifolius** Merr. in Philip. Journ. Sci. **11** (1916) Bot. 89.

Sarawak, *Hose 441!*, *486!* Endemic.

1. **Mastersia borneensis** Harms in Fedde Repert. **9** (1911) 369.

Dutch Borneo, *Winkler 2211!*; Sarawak, *Native collector 2763!* *Bur. Sci.*; British North Borneo, *Clemens 10070!*, *Agama 425!* Endemic.

1. **Dioclea reflexa** Hook. f. Niger Flora (1849) 306; Gibbs in Journ. Linn. Soc. Bot. **42** (1914) 70.

British North Borneo, *Gibbs 3026!*; Sarawak, *Hose 326!*, *Native collector 695!* *Bur. Sci.* Tropical Africa, Asia, and Malaya.

1. **Canavalia lineata** (Thunb.) DC. Prodr. **2** (1825) 404; Merr. in Philip. Journ. Sci. **11** (1916) Bot. 92. *Canavalia obtusifolia* DC.; Gibbs in Journ. Linn. Soc. Bot. **42** (1914) 70.

Sarawak, *Native collector 1636!* *Bur. Sci.*, *Hose 54!*, *605!*; British North Borneo, *Gibbs 2738*. Pantropic on sandy seashores.

1. **Cajanus cajan** (Linn.) Millsp. in Field Columb. Mus. Bot. **2** (1900) 53; Merr. Interpret. Herb. Amb. (1917) 282. *Cajanus indicus* Spreng.; Miq. Anal. Bot. Ind. **1** (1850) 9.

Borneo, fide *Miquel* l.c. Cultivated and semi-cultivated in the tropics of the Old World generally.

1. *Cantharospermum scarabaeoides* (Linn.) Baill. in Bull. Soc. Linn. Paris 1 (1883) 384. *Atylosia scarabaeoides* Benth.; Miq. Fl. Ind. Bat. 1|1 (1855) 173. *Cantharospermum calycinum* Miq. Anal. Bot. Ind. 1 (1850) 8.

Dutch Borneo, fide *Miquel* l.c. Tropical Asia to the Mascarene Islands, Malaya and the Marianne Islands.

1. *Flemingia macrophylla* (Willd.) O. Kuntze ex Prain in Journ. As. Soc. Beng. 66|2 (1897) 440; Merr. in Philip. Journ. Sci. 5 (1910) Bot. 130, 11 (1916) Bot. 87. *Flemingia congesta* Roxb. ex Ait. Hort. Kew ed. 2, 4 (1812) 349.

Sarawak, *Foxworthy* 404!, *Hose* 215!; British North Borneo, *Clemens* 11154! India to southern China and Malaya.

2. *Flemingia strobilifera* (Linn.) R. Br. in Ait. Hort. Kew. ed. 2, 4 (1812) 350; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 71. *Flemingia bracteata* Wight; Miq. Anal. Bot. Ind. 1 (1850) 8, Fl. Ind. Bat. 1|1 (1855) 162.

British North Borneo, *Gibbs* 2842. India to Malaya; introduced in the West Indies.

1. *Phaseolus sublobatus* Roxb. Fl. Ind. ed. 3, 3 (1832) 288. British North Borneo, *Clemens* 9922! India to Malaya.

Phaseolus lunatus Linn. is doubtless cultivated in Borneo as it is generally in the Indo-Malayan region.

1. *Dolichos hosei* Craib in Kew Bull. (1914) 76.

Sarawak, *Hose*; described from specimens cultivated at Kuala Lumpur, F.M.S. Endemic.

Dolichos lablab Linn. is doubtless commonly cultivated in Borneo as it is in other parts of Malaya.

1. *Psophocarpus tetragonolobus* (Linn.) DC. Prodr. 2 (1825) 403.

British North Borneo, *Clemens* 9733! Cultivated, as it is generally in the Indo-Malayan region. 136.

Oxalidaceae.

1. *Oxalis repens* Thunb. Diss. Oxal. (1781) 16; B. L. Rob. in Journ. Bot. 44 (1906) 391. *Oxalis corniculata* Hallier f. in Beihefte Bot. Centralbl. 34|2 (1916) 24, non Linn.

Borneo, *Schlechter* 13388. Pantropic.

1. *Averrhoa bilimbi* Linn. Sp. Pl. (1753) 428; Becc. Nelle Foreste di Borneo (1902) 598.

Cultivated in Borneo as in most other tropical countries.

2. *Averrhoa carambola* Linn. Sp. Pl. (1753) 428; Becc. Nelle Foreste di Borneo (1902) 598.

British North Borneo, *Clemens 11248!*; Sarawak, *Native collector 2660! Bur. Sci.*

Like the preceding species in cultivation. Pantropic.

1. *Sarcotheca acuminata* (Pears.) Hallier f. in Beihefte Bot. Centralbl. 34|2 (1916) 27. *Connaropsis acuminata* Pears. in Kew Bull. (1906) 2.

British North Borneo, *Ridley 9057, Villamil 149!*; Sarawak, *Foxworthy 75!, Sarawak Museum 82!*. Endemic.

2. *Sarcotheca glauca* (Hook. f.) Hallier f. in Meded. Rijks Herb. (1911) 2, Beihefte Bot. Centralbl. 34|2 (1916) 28. *Connaropsis glauca* Hook. f. in Trans. Linn. Soc. 23 (1860) 166.

Sarawak, *Haviland 1001, Haviland & Hose 3350, Lobb, Foxworthy 79!, Native collector 99!, 1949!, 2292! Bur. Sci.; Hose 68!*; Dutch Borneo, *Teysmann 10851, Hallier 889, 1640*; British North Borneo, *Villamil 141!, 359!* Endemic.

3. *Sarcotheca macrophylla* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 242; Walp. Ann. 2 (1850-51) 138; Miq. III. Fl. Archip. Ind. (1871) 70, t. 30; Hallier f. in Beihefte Bot. Centralbl. 34|2 (1916) 29. *Roucheria macrophylla* Miq. Fl. Ind. Bat. 1|2 (1858) 136.

Sarawak, *Beccari 3166*; Dutch Borneo, *Teysmann 8546, 8079, 8385, Hallier 2269, Korthals. Winkler 2282!, Nieuwenhuis 341*. Sumatra.

4. *Sarcotheca ochracea* Hallier f. in Beihefte Bot. Centralbl. 34|2 (1916) 28.

Sarawak, *Haviland 2343*. Endemic.

5. *Sarcotheca rubrinervis* Hallier f. in Beihefte Bot. Centralbl. 34|2 (1916) 29.

Dutch Borneo, *Amdjah 1082*. Endemic.

6. *Sarcotheca subtriplinervis* Hallier f. in Beihefte Bot. Centralbl. 34|2 (1916) 27.

Dutch Borneo, *Hallier 237*. Endemic.

1. *Dapania racemosa* Korth. in Nederl. Kruidk. Arch. 3 (1854) 381; Becc. Nelle Foreste di Borneo (1902) 602; Hallier f. Beihefte Bot. Centralbl. 34|2 (1916) 27. *Dapania scandens* Stapf in Hook. Ic. III 10 (1891) t. 1997.

Dutch Borneo, *Hallier, Nieuwenhuis*; Sarawak, *Haviland & Hose 2291*; Dutch Borneo, *Nieuwenhuis 1419, Hallier B1419*. Malay Peninsula, Sumatra.

Linaceae.

1. **Roucheria griffithiana** Planch. in Hook. Lond. Journ. Bot. 6 (1847) 143, 7 (1848) 527.

Sarawak, *Native collector 539! 1983! Bur. Sci.*; British North Borneo, *Clemens 11136!* Malay Peninsula, Sumatra.

1. **Ixonanthes grandiflora** Hochr. Pl. Bogor. Exsic. (1904) 39.

Sarawak, *Native collector 267!, 268!, 528!, 530! Bur. Sci.* Banca; cultivated in the Botanic Garden at Buitenzorg, Java.

1. **Philbornea magnifolia** (Stapf) Hallier f. in Arch. Néerl. Sci III B 1 (1912) 110, Fedde Repert. 13 (1914) 415. *Durandea magnifolia* Stapf in Hook. Ic. IV 9 (1906) t. 2822, Fedde Repert. 5 (1908) 268.

Sarawak, *Haviland's collector 2834*. Endemic; the only other known species of the genus in Palawan.

1. **Ctenolophon grandifolius** Oliv. in Trans. Linn. Soc. 28 (1873) 515, t. 43, f. 8-10; Becc. Malesia 1 (1877) 119; King in Journ. As. Soc. Beng. 64|2 (1895) 106.

Sarawak, *Beccari 1966*. Malay Peninsula.

2. **Ctenolophon parvifolius** Oliv. in Trans. Linn. Soc. 28 (1873) 516, t. 43, f. 1-7; Becc. Malesia 1 (1877) 120; King in Journ. As. Soc. Beng. 64|2 (1895) 106.

Sarawak, *Beccari 2637, Sarawak Museum 73!* Malay Peninsula, Sumatra.

Erythroxylaceae.

1. **Erythroxylum densinerve** Schulz. in Engl. Pflanzenreich 29 (1907) 142.

Sarawak, *Beccari 3623, Foxworthy 445!, Native collector 2256! Bur. Sci., Sarawak Museum 98!* Endemic.

2. **Erythroxylum latifolium** Burck in Ann. Jard. Bot. Buitenz. 11 (1893) 192; Schulz in Engl. Pflanzenreich 23 (1907) 144.

Sarawak, *Hose 179!* Lingga, Banca, with varieties in Billiton and Sumatra.

Rutaceae.

1. **Evodia alba** Hook. f. in Trans. Linn. Soc. 23 (1860) 166; Walp. Ann. 7 (1868) 525.

Borneo, *Lobb*; British North Borneo, *Clemens 9884!* Endemic.

2. **Evodia latifolia** DC. Prodr. 1 (1824) 724.

British North Borneo, *Clemens* 9868!, *Villamil* 192! Malay Peninsula, Java, Moluccas.

3. **Evodia lunur-ankenda** (Gaertn.) Merr. in Philip. Journ. Sci. 7 (1912) Bot. 378. *Evodia roxburghiana* Benth. Fl. Hongk. (1861) 378. *Evodia aromatica* Blume Bijdr. (1825) 246.

Sarawak, *Native collector* 795!, *Hewitt*! India to Malaya.

4. **Evodia nervosa** Koord. & Val. in Meded. Lands. Plant. 17 (1896) 208.

Sarawak, *Native collector* 134!, 468!, 1363! 2152! *Bur. Sci., Sarawak Museum s.n.*! Java.

5. **Evodia subunifoliolata** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 138.

British North Borneo, *Haviland* 1193. Endemic.

6. **Evodia tenuistyla** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 137.

British North Borneo, *Haviland* 138. Endemic.

1. **Melicope unifoliolata** Merr. in Philip. Journ. Sci. 13 (1918) Bot.

Sarawak, *Hose* 539!, 556! Endemic.

1. **Tetractomia beccarii** Hook. f. Fl. Brit. Ind. 1 (1875) 491, in nota. *Melicope beccarii* Engl. in Engl. & Prantl. Nat. Pflanzenfam. 3/4 (1895) 122.

Sarawak, *Beccari* 1880. Endemic.

2. **Tetractomia obovata** Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 68.

British North Borneo, *Clemens* 11025! Endemic.

1. **Clausena excavata** Burm. f. Fl. Ind. (1768) 87, t. 29; Oliv. in Journ. Linn. Soc. Bot. 5 (1861) Suppl. 31; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 62.

Dutch Borneo, *Motley* 279; British North Borneo, *Gibbs* 2965, *Yates* 23! India to Malaya.

1. **Glycosmis cochinchinensis** (Lour.) Pierre in Engl. Nat. Pflanzenfam. 3/4 (1895) 185, f. 106. *Sclerostylis lanceolata* Blume Bijdr. (1825) 134. *Glycosmis lanceolata* Spreng. ex Teysm. & Binn. Cat. Hort. Bogor. (1866) 208; Kurz in Journ. Bot. 14 (1876) 35. *Glycosmis pentaphylla* Corr.; Oliv. in Journ. Linn. Soc. Bot. 5 (1861) Suppl. 37. *Glycosmis citrifolia* Lindl.; Ridl. in Journ. Str. Branch Roy. As. Soc. 75 (1917) 11.

Dutch Borneo, *Motley* 271; British North Borneo, *Fraser*.
India to Malaya.

1. **Luvunga borneensis** Hochr. in Bull. Inst. Bot. Buitenz.
19 (1904) 41, Fedde, Repert. 5 (1908) 348, Ann. Jard. Bot.
Buitenz. Suppl. 3 (1910) 840.

Dutch Borneo, fide *Hochreutiner* l.c.; cultivated in the Botanic
Garden at Buitenzorg, Java. Endemic.

2. **Luvunga motleyi** Oliv. in Journ. Linn. Soc. Bot. 5
(1861) Suppl. 44.

Borneo, *Motley*. Endemic.

3. **Luvunga sarmentosa** (Blume) Kurz in Journ. As. Soc.
Beng. 39|2 (1870) 69. *Luvunga eleutherandra* Dalz. in Hook.
Kew Journ. Bot. 2 (1850) 258.

Sarawak, *Hose* 243! India to Malaya.

1. **Citrus aurantium** Linn. Sp. Pl. (1753) 782; Becc. Nelle
Foreste di Borneo (1902) 598.

The orange; cultivated as in most tropical and subtropical
countries.

2. **Citrus aurantifolia** (Christm. & Panz.) Swingle in
Journ. Wash Acad. Sci. 3 (1913) 465; Merr. Interpret. Herb.
Amb. (1917) 296. *Citrus acida* Roxb. Fl. Ind. ed. 2, 3 (1832)
390.

British North Borneo, *Clemens* 9929! The lime; cultivated in
all tropical countries.

3. **Citrus hystrix** DC. Hort. Monsp. (1913) 97; Guill. in
Not. Syst. 1 (1910) 222.

Sarawak, *Beccari* 3934. India to Malaya.

4. **Citrus maxima** (Burm.) Merr. Interpret. Herb. Amb.
(1917) 296. *Citrus decumana* Linn.; Becc. Nelle Foreste di
Borneo (1902) 599.

The pomelo; cultivated as it is in other parts of the Indo-
Malayan region.

5. **Citrus medica** Linn. Sp. Pl. (1753) 782; Becc. Nelle
Foreste di Borneo (1902) 598.

Sarawak, fide *Beccari* l.c. Generally cultivated in all tropical
countries.

Simarubaceae.

1. **Samadera indica** Gaertn. Fruct. 2 (1791) 352, t. 156.

Sarawak, *Foxworthy* 92!, *Native collector* 2498! *Bur. Sci.*
India to Malaya and the Philippines.

Samadera glandulifera Presl. Symb. Bot. 2 (1833-52) t. 51 is stated by Engler Nat. Pflanzenfam. 3/4 (1896) 210 to be Bornean. I have not seen the original description, but Presl had no Bornean botanical material.

1. ***Brucea amarissima*** (Lour.) Merr. in Philip. Journ. Sci. 10 (1915) Bot. 18. *Brucea sumatrana* Roxb. Hort. Beng. (1814) 12, Fl. Ind. ed. 2, 1 (1832) 449; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 63.

British North Borneo, *Gibbs 2662, Clemens 9614!*, *Villamil 134!*, *308!* Tropical Asia to north-eastern Australia.

1. ***Eurycoma longifolia*** Jack. in Malay Misc. 2/7 (1822) 45; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 63.

British North Borneo, *Gibbs 4323, Topping 1374!*, *Foxworthy 597!*, *Clemens 9461!*, *9581!*; Sarawak, *Hose 570!*, *579!*, *Foxworthy 275!*, *Native collector 712!* *Bur. Sci.* Indo-China and the Malay Peninsula, Sumatra, Java.

Burseraceae.

1. ***Canarium acutum*** Engl. in DC. Monog. Phan. 4 (1883) 113.

Sarawak, *Beccari 3276*. Endemic.

2. ***Canarium beccarii*** Engl. in DC. Monog. Phan. 4 (1883) 107.

Sarawak, *Beccari 2796*. Endemic.

3. ***Canarium cuspidatum*** (Blume) comb. nov. *Dracontomelum cuspidatum* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 232; Walp. Ann. 2 (1850-51) 288; Miq. Fl. Ind. Bat. 1/2 (1858-59) 640. *Canarium rostriferum* Miq. Fl. Ind. Bat. Suppl. (1860-62) 526, var. *cuspidatum* Engl. in DC. Monog. Phan. 4 (1883) 137.

Sarawak, *Beccari 2176*; Dutch Borneo, *Korthals*. Sumatra (*C. rostriferum* Miq.).

4. ***Canarium divergens*** Engl. in DC. Monog. Phan. 4 (1883) 143.

Sarawak, *Beccari 2237*. Endemic.

5. ***Canarium fragile*** Engl. in DC. Monog. Phan. 4 (1883) 139.

Sarawak, *Beccari 390, Low*. Endemic.

6. ***Canarium giganteum*** Engl. in DC. Monog. Phan. 4 (1883) 106.

Sarawak, *Beccari 2650*. Endemic.

7. *Canarium glaucum* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 219.

Sarawak, ex *Sarawak Museum B 101!* Sumatra, Penang, Malay Peninsula.

8. *Canarium hispidum* Blume Bijdr. (1826) 1163; Engl. in DC. Monog. Phan. 4 (1883) 131. *Pimela hispida* Blume var. *imbricata* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 224. *Canariopsis hispida* Blume; Miq. Fl. Ind. Bat. 1|2 (1858-59) 652.

Dutch Borneo, *Korthals*; British North Borneo, *Clemens 10035!*, *9898!* Sumatra, Java, Celebes.

9. *Canarium incurvatum* Engl. in DC. Monog. Phan. 4 (1883) 138.

Sarawak, *Beccari 2937*. Endemic.

10. *Canarium motleyanum* Engl. in DC. Monog. Phan. 4 (1883) 133.

Borneo, *Barber 283*, *Motley*. Endemic.

11. *Canarium pruinatum* Engl. in DC. Monog. Phan. 4 (1883) 106.

Sarawak, *Beccari 1970*. Endemic.

1. *Santiria beccarii* Engl. in DC. Monog. Phan. 4 (1883) 162.

Sarawak, *Beccari 906*. Endemic.

2. *Santiria borneensis* Engl. Bot. Jahrb. 1 (1881) 43, DC. Monog. Phan. 4 (1883) 156.

Sarawak, *Beccari 2692*. Endemic.

3. *Santiria caesia* Engl. in DC. Monog. Phan. 4 (1883) 166.

Sarawak, *Beccari 1950*. Endemic.

4. *Santiria glabrifolia* Engl. in DC. Monog. Phan. 4 (1883) 164.

Sarawak, *Beccari 302*, *3756*. Endemic.

5. *Santiria mollis* Engl. in DC. Monog. Phan. 4 (1883) 156.

Sarawak, *Beccari 3497*. Endemic.

6. *Santiria montana* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 212; Walp. Ann. 2 (1850-51) 290; Engl. in DC. Monog. Phan. 4 (1883) 164. *Canarium montanum* Korth.; Miq. Fl. Ind. Bat. 1|2 (1858-59) 649.

Dutch Borneo, *Korthals*. Sumatra.

7. *Santiria oblongifolia* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 211; Walp. Ann. 2 (1850-51) 290; Engl. in DC. Monog. Phan. 4 (1883) 162; King in Journ. As. Soc. Beng. 62|2 (1893) 645; Walp. Ann. 7 (1868) 649.

Dutch Borneo, *Muller*. Malay Peninsula, Sumatra, Java.

8. *Santiria parviflora* Engl. in DC. Monog. Phan. 4 (1883) 155.

Sarawak, *Beccari* 3706, 3319. Endemic.

9. *Santiria pilosa* Engl. in DC. Monog. Phan. 4 (1883) 158.

Sarawak, *Beccari* 650, 2559. Endemic.

10. *Santiria rostrata* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 257. *Canarium oblongifolium* Miq. Fl. Ind. Bat. 1|2 (1858-59) 213; Walp. Ann. 2 (1850-51) 290; Engl. in DC. Monog. Phan. 4 (1883) 167. *Canarium gilvescens* Miq. Fl. Ind. Bat. 1|2 (1858-59) 650.

Dutch Borneo, *Muller*, *Korthals*. Endemic.

11. *Santiria rugosa* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 212; Walp. Ann. 2 (1850-51) 290; Engl. in DC. Monog. Phan. 4 (1883) 166. *Canarium rugosum* Miq. Fl. Ind. Bat. 1|2 (1858-59) 694.

Dutch Borneo, *Korthals*. A variety in Sumatra.

12. *Santiria serrulata* Engl. in DC. Monog. Phan. 4 (1883) 160.

Sarawak, *Beccari* 1630. Endemic.

13. *Santiria virgata* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 213; Walp. Ann. 2 (1850-51) 290; Engl. in DC. Monog. Phan. 4 (1883) 158. *Canarium virgatum* Miq. Fl. Ind. Bat. 1|2 (1858-59) 650.

Dutch Borneo, *Korthals*. Endemic.

Meliaceae.

1. *Xylocarpus granatum* Koenig in Naturf. 20 (1784) 2; Merr. Interpret. Herb. Amb. (1917) 306. *Carapa obovata* Blume Bijdr. (1825) 179; Becc. Nelle Foreste di Borneo (1902) 574.

Sarawak, *Beccari*, *Foxworthy* 21; Sarawak Museum 196!, *Hose* 607! India to Malaya.

Xylocarpus moluccensis M. Roem. (*Carapa moluccensis* Lam.) unquestionably also occurs in Borneo. *Carapa borneensis* Becc. Nelle Foreste di Borneo (1902) 574, scarcely described, and represented by *Beccari* 3994!, and *Sarawak Museum* 200! is probably not specifically distinct from *X. granatum* Koen.

1. *Cipadessa borneensis* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868) 6; C. DC. Monog. Phan. 1 (1878) 126.

Dutch Borneo, *Korthals*. Endemic.

1. *Sandoricum borneense* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868) 33; C. DC. Monog. Phan. 1 (1878) 463; Valetton in Ic. Bogor. 1 (1897) t. 10.

Dutch Borneo, *Korthals*, *Motley*, *Teysmann*, cult. *Hort. Bogor. III, C, 42!* Endemic.

2. *Sandoricum dasyneuron* Baill. Adansonia 11 (1875) 265; C. DC. Monog. Phan. 1 (1878) 462; Becc. Nelle Foreste di Borneo (1902) 602.

Sarawak, *Beccari* 299. Endemic.

3. *Sandoricum emarginatum* Hiern in Hock. f. Fl. Brit. Ind. 1 (1875) 264; C. DC. Monog. Phan. 1 (1878) 461; Becc. Nelle Foreste di Borneo (1902) 574. *Sandoricum beccarianum* Baill. Adansonia 11 (1875) 264.

Sarawak, *Beccari* 3111. Malay Peninsula.

4. *Sandoricum koetjape* (Burm. f.) Merr. in Philip. Journ. Sci. 7 (1912) Bot. 237; Interpret. Herb. Amb. (1917) 308. *Sandoricum indicum* Cav. Diss. 4 (1787) 359, t. 202, 203; Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868) 32; C. DC. Monog. Phan. 1 (1878) 461; Becc. Nelle Foreste di Borneo (1902) 574.

Borneo, *Motley* 396, *Korthals*, *Beccari*. India to Malaya, cultivated and wild.

5. *Sandoricum maingayi* Hiern var. *quadripetalum* C. DC. Monog. Phan. 1 (1878) 462.

Sarawak, *Beccari* 3198. Malay Peninsula (species).

1. *Chisocheton amabilis* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) (*Schizochiton*); C. DC. Monog. Phan. 1 (1878) 537.

Dutch Borneo, *Korthals*. Endemic.

2. *Chisocheton beccarianus* (Baill.) Harms in Engl. & Prantl Nat. Pflanzenfam. 3|4 (1896) 296. *Dasycoleum beccarianum* Baill. Adansonia 11 (1875) 263; C. DC. Monog. Phan. 1 (1878) 540.

Sarawak, *Beccari* 1845, *Foxworthy* 274!, *Native collector* 2649! *Bur. Sci.*; British North Borneo, *Agama* 420! Endemic.

3. *Chisocheton paucijugus* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 30 (*Schizochiton*). *Chisocheton spicatus* Hiern in Hook. f. Fl. Brit. Ind. 1 (1875) 550; King in Journ. As. Soc. Beng. 64|2 (1895) 26; C. DC. Monog. Phan. 1 (1878) 535.

Dutch Borneo, *Korthals*. Malay Peninsula, Sumatra.

4. **Chisocheton sarawakanus** (A. DC.) Harms in Engl. & Prantl Nat. Pflanzenfam. 3|4 (1896) 296. *Dasycoleum sarawakanum* C. DC. Monog. Phan. 1 (1878) 541.

Sarawak, *Beccari 3186*. Endemic.

5. **Chisocheton spectabilis** Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 29 (*Schizochiton*); C. DC. Monog. Phan. 1 (1878) 539.

Dutch Borneo, *Korthals*. Endemic.

1. **Dysoxylum arborescens** (Blume) Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868) 24.

Dutch Borneo, *Korthals*. Sumatra, Java, Celebes.

2. **Dysoxylum beccarianum** C. DC. Monog. Phan. 1 (1878) 495.

Sarawak, *Beccari 1636*. Endemic.

3. **Dysoxylum cauliflorum** Hiern var. **tomentellum** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 138.

British North Borneo, *Haviland 1318*.

The species Malay Peninsula and the Philippines.

4. **Dysoxylum cyrtobotryum** Miq. Fl. Ind. Bat. Suppl. (1860-62) 196, 504 (f. *borneensis*); C. DC. Monog. Phan. 1 (1878) 526 (var. *borneensis*).

Dutch Borneo, *Korthals*. Sumatra.

5. **Dysoxylum kinabaluense** Merr. in Philip. Journ. Sci. 13 (1918) Bot.

British North Borneo, *Clemens 10803!* Endemic.

6. **Dysoxylum lampongum** Miq. Fl. Ind. Bat. Suppl. (1860-62) 196, 503 excl. B. *Dysoxylum macrothyrsum* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868) 21; C. DC. Monog. Phan. 1 (1878) 485; King in Journ. As. Soc. Beng. 64|2 (1895) 44.

Dutch Borneo, *Korthals*, Cult. Hort. Bogor. III, E, 40! Malay Peninsula.

7. **Dysoxylum procerum** Hiern var. **motleyanum** C. DC. Monog. Phan. 1 (1878) 487.

Borneo, *Motley*.

The species in Assam and Sikkim, the variety endemic.

8. **Dysoxylum thyrsoideum** Hiern in Hook. f. Fl. Brit. Ind. 1 (1875) 547; C. DC. Monog. Phan. 1 (1878) 481.

Sarawak, *Beccari 2158*. Malay Peninsula.

1. **Lansium domesticum** Correa in Ann. Mus. Hist. Nat. Paris 10 (1807) 157, t. 10, f. 1; Poir. in Lam. Encycl. Suppl. 3

(1813) 299; Jack in Trans. Linn. Soc. 14 (1823) 115, t. 4; Becc. Nelle Foreste di Borneo (1902) 598.

Sarawak, *Beccari*; cultivated in Borneo as it generally is in the Malay region.

1. *Amoora cucullata* Roxb. Pl. Coromandel 3 (1819) 54, t. 258; Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 37; King in Journ. As. Soc. Beng. 642 (1895) 55.

Dutch Borneo, *Korthals*. India to the Malay Peninsula.

2. *Amoora curtispica* Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 63.

British North Borneo, *Gibbs*. Endemic.

3. *Amoora korthalsii* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 36; C. DC. Monog. Phan. 1 (1878) 587.

Dutch Borneo, *Korthals*. Endemic.

1. *Aphanamyxis borneensis* (Miq.) Harms in Engl. & Prantl Nat. Pflanzenfam. 3/4 (1896) 296. *Amoora borneensis* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 36; A. DC. Monog. Phan. 1 (1878) 583.

Dutch Borneo, *Korthals*. Endemic.

1. *Clemensia macrantha* Merr. in Philip. Journ. Sci. 3 (1908) Bot. 144.

British North Borneo, *Clemens 10431!*

A monotypic genus otherwise known only from Mindanao. Mrs. Clemens who collected the type of the genus and species in Mindanao thinks that the Bornean form is distinct, but from the material available I can detect no sufficiently striking differential characters to warrant separating the Bornean form at this time.

1. *Aglaia angustifolia* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 55.

Dutch Borneo, *De Vriese*; Sarawak, *Brooks!* Sumatra.

2. *Aglaia argentea* Blume Bijdr. (1825) 170; Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 54.

Dutch Borneo, *Korthals*. Java, Sumatra.

3. *Aglaia beccarii* C. DC. in Bull. Herb. Boiss. 2 (1894) 579.

Sarawak, *Beccari 3297*. Endemic.

4. *Aglaia beccariana* (A. DC.) Harms in Engl. & Prantl Nat. Pflanzenfam. 3/4 (1896) 298 *Hearnia beccariana* C. DC. Monog. Phan. 1 (1878) 629.

Sarawak, *Beccari 3608*. Endemic.

5. *Aglaia borneensis* Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 87.

British North Borneo, *Villamil 247!* Endemic.

6. *Aglaia clementis* Merr. in Philip. Journ. Sci. 13 (1918) Bot. 76.

British North Borneo, *Clemens 10484!* Endemic.

7. *Aglaia cordata* Hiern in Hook. f. Fl. Brit. Ind. 1 (1875) 557; C. DC. Monog. Phan. 1 (1878) 618.

Sarawak, *Beccari 2350, Hose 371!, Native collector 489!* *Bur. Sci.* Malay Peninsula.

8. *Aglaia coriacea* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 57; C. DC. Monog. Phan. 1 (1878) 622.

Dutch Borneo, *Korthals*. Endemic.

9. *Aglaia grandis* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 56; A. DC. Monog. Phan. 1 (1878) 617.

Dutch Borneo, *Korthals*. Endemic.

10. *Aglaia heterophylla* Merr. in Philip. Journ. Sci. 13 (1918) Bot. 77.

Sarawak, *Hose 555!* Endemic.

11. *Aglaia lancifolia* (Hook. f.) Harms in Engl. & Prantl Nat. Pflanzenfam. 3/4 (1896) 298. *Milnea lancifolia* Hook. f. in Trans. Linn. Soc. 23 (1860) 164; Walp. Ann. 7 (1868) 556. *Aglaiopsis lancifolia* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 59. *Hearnia lancifolia* C. DC. Monog. Phan. 1 (1878) 630.

Sarawak, *Beccari 5634, 2782, Lobb, Low*. Endemic.

12. *Aglaia laxiflora* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 52; C. DC. Monog. Phan. 1 (1878) 610; Ridl. in Journ. Str. Branch Roy. As. Soc. 63 (1912) 59.

Sarawak, *Moulton*; Dutch Borneo, *Korthals*. Endemic.

13. *Aglaia leptantha* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 51 var. *borneensis* C. DC. Monog. Phan. 1 (1878) 604.

Borneo, fide *Miquel* l.c. Sumatra.

14. *Aglaia matthewsii* Merr. in Philip. Journ. Sci. 13 (1918) Bot. 79.

Borneo, North Borneo, *Villamil 368!* Endemic.

15. *Aglaia moultonii* Merr. in Philip. Journ. Sci. 13 (1918) Bot. 78.

British North Borneo, *Native collector 2138!* *Bur. Sci.* Endemic.

16. *Aglaia palembanica* Miq. Fl. Ind. Bat. Suppl. (1860-62) 507, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 52; A. DC. Monog. Phan. 1 (1878) 619; King in Journ. As. Soc. Beng. 64|2 (1895) 72.

Sarawak, *Beccari 2350*; Dutch Borneo, *Korthals, Motley 466*; British North Borneo, *Villamil 394*! Malay Peninsula, Banca, Sumatra.

17. *Aglaia pamattonis* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 53; A. DC. Monog. Phan. 1 (1878) 626.

Dutch Borneo, *Korthals*. Celebes.

18. *Aglaia rufa* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 49; A. DC. Monog. Phan. 1 (1878) 613.

Dutch Borneo, *Korthals*. Sumatra.

19. *Aglaia sarawakana* (A. DC.) comb. nov. *Hearnia sarawakana* A. DC. Monog. Phan. 1 (1878) 632.

Sarawak, *Beccari 3902*. Endemic.

20. *Aglaia submonophylla* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 40; A. DC. Monog. Phan. 1 (1878) 620.

Dutch Borneo, *Korthals*. Endemic.

21. *Aglaia trichostemon* C. DC. Monog. Phan. 1 (1878) 608; Becc. Nelle Foreste di Borneo (1902) 574; King in Journ. As. Soc. Beng. 64|2 (1895) 77.

Sarawak, *Beccari 3981*. The Labuan specimen, *Motley*, doubtfully referred to *Milnea edulis* Roxb. as a "var.?" by Hooker f. in Trans. Linn. Soc. 23 (1860) 164; Walp. Ann. 7 (1868) 556 may be referable to this species. Malay Peninsula.

22. *Aglaia tripetala* Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 88.

British North Borneo, *Villamil 184*! Endemic.

23. *Aglaia villosa* (C. DC.) comb. nov. *Hearnia villosa* C. DC. Monog. Phan. 1 (1878) 632.

Sarawak, *Beccari 3944*. Endemic.

1. *Heynea sumatrana* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 60.

British North Borneo, *Clemens 9768*!, *9833*! Malay Peninsula, Sumatra, Philippines.

1. *Walsura glabra* Merr. in Philip. Journ. Sci. 13 (1918) Bot. 76.

Sarawak, *Native collector 2438*! *Bur. Sci.* Endemic.

2. *Walsura* sp.

Dutch Borneo, *Winkler 2414*!, a specimen with young fruits.

Malpighiaceae.

1. *Aspidopteris concava* A. Juss. Monog. Malpigh. (1843) 255; Hutch. in Kew Bull. (1917) 98.

Sarawak, *Haviland & Hose 3732, Haviland 2857*. Burma to Indo-China, Malay Peninsula, Sumatra.

2. *Aspidopteris ovata* A. Juss. in Ann. Sci. Nat. II 13 (1840) 266; Hutch. in Kew Bull. (1917) 99, *f. 15*.

Dutch Borneo, *Motley 402*; British North Borneo, *Creagh*. Philippines, Java.

1. *Hiptage madablota* Gaertn. Fruct. 2 (1791) 169, *t. 116*. Sarawak, *Hullett!*

India to Malaya; this is Gaertner's species *sensu latiore*, but will probably prove to be specifically distinct on a critical revision of the genus.

1. *Tristellateia australasiae* L. C. Rich. Sert. Astrolab. Atlas (1833) *t. 15*; Merr. in Philip. Journ. Sci. 7 (1912) 236.

Sarawak, *Native collector 1052!, 1393!, 1650!* *Bur. Sci.* Along the sea shore India to Malaya and Polynesia.

Polygalaceae.

1. *Polygala chinensis* Linn. Sp. Pl. (1753) 704; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 59.

British North Borneo, *Gibbs 2946, Clemens 9787!* India to southern China southward to tropical Australia.

2. *Polygala glomerata* Lour. Fl. Cochinch. (1790) 426.

Sarawak, *Native collector 2026!* *Bur. Sci.* Tropical Asia to the Philippines and Malaya.

3. *Polygala venenosa* Juss. ex Poir. in Lam. Encycl. 5 (1804) 493; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 131.

British North Borneo, *Low, Haviland 1349, Clemens 10173!*; Sarawak, *Hewitt!* Malay Peninsula and Archipelago to the Philippines.

1. *Salomonica cantoniensis* Lour. Fl. Cochinch. (1790) 14; Hassk. in Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 144; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 59.

Dutch Borneo, *Korthals*; British North Borneo, *Gibbs 2603, 2977, Clemens 9522!, 10193!*; Sarawak, *Hose 344!, Native collector 361!, 654!, 1357!, 2165!* *Bur. Sci.* Southern China to the Philippines and Malaya.

2. *Salomonica ciliata* (Linn.) DC. Prodr. 1 (1824) 334; Merr. in Philip. Journ. Sci. 7 (1912) Bot. 237. *Salomonica uncinata* Hassk. in Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 148.

Labuan, *Jagor, Merrill!*; British North Borneo, *Clemens 9569!*, *9578!*, *Topping 1411!* India to Malaya.

1. ***Epirixanthes cylindrica*** Blume Cat. (1823) 82; Penzig in Ann. Jard. Bot. Buitenz. 17 (1901) 146, t. 20-23. *Salomonina cylindrica* Kurz in Journ. As. Soc. Beng. 43|2 (1874) 79.

Borneo, *Motley*; Sarawak, *Beccari 373, 1501, Native collector 2781!* *Bur. Sci.*; British North Borneo, *Clemens 11028!*; Dutch Borneo, *Winkler 3193!* Tenasserim and the Malay Peninsula to Sumatra, Java, the Philippines, and New Guinea.

2. ***Epirixanthes elongata*** Blume Cat. (1823) 82; Penzig in Ann. Jard. Bot. Buitenz. 17 (1901) 146, t. 24-26. *Salomonina aphylla* Griff. in Trans. Linn. Soc. 19 (1844) 342; King in Journ. As. Soc. Beng. 59|2 (1890) 132. *Salomonina parasitica* Griff. Not. 4 (1854) 538. *Epirixanthus tenella* Hook. f. in Trans. Linn. Soc. 23 (1860) 158; Walp. Ann. 7 (1868) 243.

Dutch Borneo, *Korthals*; Sarawak, *Beccari*. Tenasserim to southern China, the Malay Peninsula, Sumatra and Java.

1. ***Xanthophyllum amoenum*** Chod. in Bull. Herb. Boiss. 4 (1896) 259; Gagnep. in Journ. de Bot. II 1 (1908) 252.

Sarawak, *Haviland 2112*. Endemic.

2. ***Xanthophyllum beccarianum*** Chod. in Bull. Herb. Boiss. 4 (1896) 257.

Sarawak, *Beccari 2230, Hewitt!* Endemic.

3. ***Xanthophyllum borneense*** Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 277.

Dutch Borneo, *Korthals*. Endemic.

4. ***Xanthophyllum citrifolium*** Chod. in Bull. Herb. Boiss. 4 (1896) 255.

Sarawak, *Haviland 2110*. Endemic.

5. ***Xanthophyllum cordatum*** Korth. in Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 274.

Dutch Borneo, *Korthals*; Sarawak, *Sarawak Museum s.n.!*, *Hose 569!* Endemic.

6. ***Xanthophyllum densiflorum*** Chod. in Bull. Herb. Boiss. 4 (1896) 256.

Sarawak, *Beccari 2442*. Endemic.

7. ***Xanthophyllum ecarinatum*** Chod. in Bull. Herb. Boiss. 4 (1896) 254.

Sarawak, *Haviland 1768*. Endemic.

8. **Xanthophyllum ellipticum** Korth. in Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 276; Gagnep. in Journ. de Bot. II 1 (1908) 253.

Dutch Borneo, *Korthals*. Malay Peninsula.

9. **Xanthophyllum excelsum** (Blume) Miq. Fl. Ind. Bat. 1|2 (1858) 129. *Xanthophyllum affine* Korth. in Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 271; Koord. & Val. in Ic. Bogor. 1 (1897) t. 2; King in Journ. As. Soc. Beng. 59|2 (1890) 142; Gagnep. in Journ. de Bot. II 1 (1908) 253.

Dutch Borneo, *Korthals*, *Teysmann 8521, 11387*; Sarawak, *Beccari 313, Haviland 493, Hose 378!*, *491!*, *Native collector 111!*, *467!* *Bur. Sci., Sarawak Museum s.n.!* Malay Peninsula., Billiton, Java, Philippines.

10. **Xanthophyllum havilandii** Chod. in Bull. Herb. Boiss. 4 (1896) 260.

Sarawak, *Haviland 1616*. Endemic.

11. **Xanthophyllum macrophyllum** Baker in Kew Bull. (1896) 21.

British North Borneo, *Creagh*. Endemic.

12. **Xanthophyllum ovatifolium** Chod. in Bull. Herb. Boiss. 4 (1896) 258.

Sarawak, *Haviland*. Endemic.

13. **Xanthophyllum parvum** Chod. in Bull. Herb. Boiss. 4 (1896) 264.

Sarawak, *Beccari 2953*. Endemic.

14. **Xanthophyllum robustum** Chod. in Bull. Herb. Boiss. 4 (1896) 262.

Borneo, fide *Chodat*, l.c. Malay Peninsula, Philippines.

15. **Xanthophyllum sarawakense** Chod. in Bull. Herb. Boiss. 4 (1896) 262; Gagnep. in Journ. de Bot. II 1 (1908) 252.

Sarawak, *Beccari 3459*. Endemic.

16. **Xanthophyllum stapfii** Chod. in Bull. Herb. Boiss. 4 (1896) 260.

Sarawak, *Haviland 1620, 532*. Endemic.

17. **Xanthophyllum velutinum** Chod. in Bull. Herb. Boiss. 4 (1896) 259.

Sarawak, *Beccari 1629*. Endemic.

18. **Xanthophyllum vitellinum** (Blume) Nees in Flora (1825) 200. *Jackia vitellina* Blume Bijdr. (1825) 60; Valetton Ic. Bogor. 1 (1901) t. 79. *Xanthophyllum gracile* Chod. in Bull. Herb. Boiss. 4 (1896) 260.

Sarawak, *Haviland 2835*. Java.

Dichapetalaceae.

1. **Dichapetalum gelonioides** (Roxb.) Engl. Nat. Pflanzenfam. 3|4 (1896) 348. *Chailletia sumatrana* Miq. Fl. Ind. Bat. Suppl. (1860-62) 328; Becc. Malesia 1 (1877) 176.

Dutch Borneo, *Teysmann* 4264, *Beccari* 3364. India to the Malay Peninsula and Sumatra.

2. **Dichapetalum timorense** (DC.) Engl. Nat. Pflanzenfam. 3|4 (1896) 348. *Chailletia timoriensis* DC. Prodr. 2 (1825) 57; Becc. Malesia 1 (1877) 176.

Borneo, fide *Beccari* l.c. Philippines, Celebes, Timor. *Chailletia beccariana* Stapf, based on a Bornean specimen, is apparently unpublished; it is mentioned by King in Journ. As. Soc. Beng. 65|2 (1896) 516.

Euphorbiaceae.

1. **Phyllanthus dalbergioides** Wall. Cat. (1847) No. 7934; J. J. Sm. in Meded. Dept. Landbouw 10 (1910) 67.

Borneo, fide *Smith* l.c. Ceylon, Malay Peninsula, Java.

2. **Phyllanthus emblica** Linn. Sp. Pl. (1753) 982; Muell.-Arg. in DC. Prodr. 15|2 (1866) 352.

Dutch Borneo, *Motley* 689. Probably merely cultivated in Borneo, as it generally is in the Malayan region.

3. **Phyllanthus gracilipes** Muell.-Arg. in Linnaea 32 (1863) 47; J. J. Sm. in Meded. Dept. Landbouw 10 (1910) 98.

Borneo, fide *Smith* l.c. Sumatra, Billiton, Sumbava.

4. **Phyllanthus niruri** Linn. Sp. Pl. (1753) 981; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 273; Muell.-Arg. in DC. Prodr. 15|2 (1860) 406.

Dutch Borneo, *Motley* 642; British North Borneo, *Yates* 60! Pantropic.

5. **Phyllanthus reticulatus** Poir. in Lam. Encycl. 5 (1804) 298; Merr. in Philip. Journ. Sci. 11 (1916) Bot. 74.

Sarawak, *Native collector* 2544! *Bur. Sci.* Tropical Africa and Asia to Malaya and Australia.

6. **Phyllanthus simplex** Retz. Obs. 5 (1789) 29; Muell.-Arg. in DC. Prodr. 15|2 (1866) 391.

Dutch Borneo, *Motley* 351. India to Polynesia.

7. **Phyllanthus urinaria** Linn. Sp. Pl. (1753) 982; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 133.

British North Borneo, *Gibbs* 2744. Pantropic.

1. **Cicca acida** (Linn.) Merr. Interpret. Herb. Amb. (1917) 314. *Cicca disticha* Linn. Mant. 1 (1767) 124. *Phyllanthus distichus* Muell.-Arg. in DC. Prodr. 15|2 (1866) 413.

British North Borneo, *Villamil 199!*. In general cultivation in the tropics of the Old World.

1. **Glochidion borneense** (Muell.-Arg.) Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 276. *Phyllanthus borneensis* Muell.-Arg. in Flora 48 (1865) 377, DC. Prodr. 15|2 (1866) 296.

Dutch Borneo, *Korthals*. Java.

2. **Glochidion breynioides** C. B. Rob. in Philip. Journ. Sci. 4 (1909) Bot. 95; Merr. in Philip. Journ. Sci. 11 (1916) Bot. 68.

Dutch Borneo, *Winkler 2565!* Philippines, Moluccas.

3. **Glochidion glaucum** Blume Bijdr. (1825) 587. *Glochidion obscurum* Hook. f. Fl. Brit. Ind. 5 (1887) 317; J. J. Sm. in Meded. Dept. Landbouw 10 (1910) 122.

Borneo, fide *Smith l.c.* Malay Peninsula, Sumatra, Java.

4. **Glochidion kollmannianum** (Muell.-Arg.) J. J. Sm. in Koord. & Val. Meded. Dept. Landbouw 10 (1910) 166; Merr. in Philip. Journ. Sci. 11 (1916) Bot. 68. *Phyllanthus kollmannianus* Muell.-Arg. in Flora 48 (1865) 378.

Sarawak, *Native collector 179!* *Bur. Sci.*; British North Borneo, *Clemens 10104!* Java, Celebes.

5. **Glochidion korthalsii** (Muell.-Arg.) Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 276. *Phyllanthus korthalsii* Muell.-Arg. in Flora 48 (1865) 377, DC. Prodr. 15|2 (1866) 297.

Dutch Borneo, *Korthals*. Endemic.

6. **Glochidion leiostylum** Kurz Forest Fl. Brit. Burma 2 (1877) 345; Merr. in Philip. Journ. Sci. 11 (1916) Bot. 68.

Sarawak, *Hose 356!*, *Native collector 2435!* *Bur. Sci.* Pegu to the Malay Peninsula.

7. **Glochidion littorale** Blume Bijdr. (1825) 585; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 274; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 134.

British North Borneo, *Gibbs 4330*, *Topping 1391!*, *Clemens 9446!*, *9631!*, *11241!*, *Yates 39!*; Sarawak, *Foxworthy 301!* India to Malaya and the Philippines.

8. **Glochidion pedunculatum** Merr. in Philip. Journ. Sci. 11 Sarawak, *Native collector 150!* *Bur. Sci.* Endemic. (1916) Bot. 67.

9. **Glochidion sericeum** (Blume) Hook. f. Fl. Brit. Ind. 5 (1887) 326; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 277. *Glochidiopsis sericea* Blume Bijdr. (1825) 588. *Phyllanthus sericeus* Muell.-Arg. in DC. Prodr. 15|2 (1866) 314.

Dutch Borneo, *Korthals*; Sarawak, *Hose* 167! 414!, 318!, *Native collector* 1508!, 1962! *Bur. Sci.* Malay Peninsula and Archipelago.

10. **Glochidion superbum** Baill. Etud. Gen. Euph. (1858) 638; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 275.

Sarawak, *Native collector* 511!, 2670!, 1757! *Bur. Sci.*; British North Borneo, *Villamil* 364! Malay Peninsula, Banca.

11. **Glochidion tenuistylum** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 223.

British North Borneo, *Haviland* 1303. Endemic.

12. **Glochidion zeylanicum** Juss. Tent. Euph. (1824) 107; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 275. *Phyllanthus zeylanicus* Muell.-Arg. in DC. Prodr. 15|2 (1866) 281.

Dutch Borneo, *Korthals*. India to Malaya.

1. **Breynia fruticosa** (Linn.) Hook. f. Fl. Brit. Ind. 5 (1887) 331. *Melanthesiopsis fruticosa* Muell.-Arg. in DC. Prodr. 15|2 (1866) 436.

Dutch Borneo, *Motley* 557. Southern China to Malaya.

2. **Breynia racemosa** (Blume) Muell.-Arg. in DC. Prodr. 15|2 (1866) 441; Merr. in Philip. Journ. Sci. 11 (1916) Bot. 65.

Dutch Borneo, *Hallier* 1345!; Sarawak, *Native collector* 559! *Bur. Sci.* Malay Peninsula, Java.

3. **Breynia rhamnoides** (Retz.) Muell.-Arg. in DC. Prodr. 15|2 (1866) 440.

British North Borneo, *Clemens* 9587! Tropical Asia to Malaya.

1. **Sauropus androgynus** (Linn.) Merr. in Philip. Forestry Bureau Bull. 1 (1903) 30, Journ. Str. Branch Roy. As. Soc. 76 (1917) 92.

British North Borneo, *Topping* 1934, *Villamil* 273! India to southern China southward to Java and the Moluccas.

2. **Sauropus rhamnoides** Blume Bijdr. (1825) 596; J. J. Sm. in Meded. Dept. Landbouw 10 (1910) 191.

Borneo, fide *Smith* l.c. Java.

1. **Cyclostemon macrophyllus** Blume Bijdr. (1825) 598; J. J. Sm. in Meded. Dept. Landbouw 10 (1910) 204.

Borneo, fide *Smith* l.c. Java.

1. **Dicoelia beccariana** Benth. in Hook. Ic. III 3 (1877-79) 70, t. 1289.
Sarawak, *Beccari 1397*. A monotypic endemic genus.
1. **Aporosa euphlebia** Merr. in Philip. Journ. Sci. 11 (1916) Bot. 62.
Sarawak, *Native collector 2823!* *Bur. Sci.* Endemic.
2. **Aporosa hosei** Merr. in Philip. Journ. Sci. 11 (1916) Bot. 63.
Sarawak, *Hose 40!*, *92!*, *278!*, *Native collector 558!* *Bur. Sci.* Endemic.
3. **Aporosa lanceolata** Thw. Enum. Pl. Zeyl. (1859-64) 288; Muell.-Arg. in DC. Prodr. 15|2 (1866) 475.
Borneo, *Motley 637, 735*. Ceylon, Tenasserim, Sumatra.
4. **Aporosa lunata** (Miq.) Kurz in Journ. As. Soc. Beng. 42|2 (1873) 239; Hallier f. in Meded. Rijks Herb. 1910 (1911) 92.
Borneo, fide *Hallier* l.c. Malay Peninsula, Sumatra, Java.
5. **Aporosa microcalyx** Hassk. in Bull. Soc. Bot. France 6 (1859) 714; Muell.-Arg. in DC. Prodr. 15|2 (1866) 471; Hallier f. in Meded. Rijks Herb. 1910 (1911) 92.
Dutch Borneo, *Korthals!*, *Motley 632*. Malay Peninsula, Banca, Java, Philippines.
6. **Aporosa microsphaeria** Hook. f. Fl. Brit. Ind. 5 (1887) 350; Hallier f. in Meded. Rijks Herb. 1910 (1911) 92.
Dutch Borneo, *Korthals!*; Sarawak, *Native collector 107!*, *108!* *Bur. Sci.* Malay Peninsula, Riouw, Java.
7. **Aporosa nigricans** Hook. f. Fl. Brit. Ind. 5 (1887) 347; Merr. in Philip. Journ. Sci. 11 (1916) Bot. 65.
Sarawak, *Native collector 1155!* *Bur. Sci.* Malay Peninsula.
8. **Aporosa subcaudata** Merr. in Philip. Journ. Sci. 11 (1916) Bot. 64.
Sarawak, *Hose 204*. Endemic.
1. **Baccaurea borneensis** Muell.-Arg. in DC. Prodr. 15|2 (1866) 460.
Dutch Borneo, *Korthals*. Endemic.
2. **Baccaurea bracteata** Muell.-Arg. in DC. Prodr. 15|2 (1866) 466; Boerl. Handl. Nederl. Ind. 3 (1900) 281.
Sarawak, *Native collector 1158!*, *564!*, *1808!*, *2699!* *Bur. Sci.*, *Hose 320!*, *194!*, *Sarawak Museum s.n.!* Dutch Borneo, *Hallier 2054!* Penang, Malay Peninsula, Sumatra.

3. *Baccaurea javanica* (Blume) Muell.-Arg. in DC. Prodr. 15|2 (1866) 465; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 281. Dutch Borneo, *Korthals!*, *Motley 579*. Java.

4. *Baccaurea lanceolata* (Miq.) Muell.-Arg. in DC. Prodr. 15|2 (1866) 457; Becc. Nelle Foreste di Borneo (1902) 604; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 224.

Dutch Borneo, *Motley 365*; Sarawak, *Beccari*; British North Borneo, *Haviland 1340*, *Clemens 11191!*, *Agama 426!* Java, Sumatra, Malay Peninsula, Palawan. *Baccaurea lamponga* Scheff. is reported from Borneo by Beccari, Nelle Foreste di Borneo (1902) 599; I have not been able to find any published description of this species.

5. *Baccaurea macrophylla* Muell.-Arg. in DC. Prodr. 15|2 (1866) 460; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 281.

Borneo, fide *Boerlage* l.c. Penang. *Hedycarpus malayanus* Jack, reported from Borneo by Beccari, Nelle Foreste di Borneo (1902) 583, is apparently a species of *Baccaurea*.

6. *Baccaurea motleyana* Muell.-Arg. in DC. Prodr. 15|2 (1866) 461. *Pierardia motleyana* Muell.-Arg. in Flora 47 (1864) 516.

Dutch Borneo, *Motley 773*; Sarawak, *Hose 577!* Malay Peninsula.

7. *Baccaurea parviflora* Muell.-Arg. in DC. Prodr. 15|2 (1866) 462.

Dutch Borneo, *Motley 80, 757*; Sarawak, *Hose 10!*, *600!*, *658!*, *Native collector 512!* *Bur. Sci.* Sumatra, Burma.

8. *Baccaurea racemosa* Muell.-Arg. in DC. Prodr. 15|2 (1866); Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 281.

Borneo, fide *Boerlage* l.c. Malay Peninsula.

9. *Baccaurea stipulata* J. J. Sm. in Ic. Bogor. 4 (1910) 33, t. 311.

Dutch Borneo, *Jaheri 489, 816, 1246, 1376, Nieuwenhuis, Hallier 3445!*; Sarawak, *Hose 130!*, *48!*, *35!* Endemic.

1. *Antidesma auritum* Tul. in Ann. Sci. Nat. III 15 (1851) 203; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 225.

British North Borneo, *Haviland 1337*. Java.

2. *Antidesma cauliflorum* W. W. Sm. in Notes Bot. Gard. Edinburgh 8 (1915) 316.

Sarawak, *Haviland 726, 730, 3263, Haviland & Hose 3264, Native collector C133 Edinb.* Endemic.

3. **Antidesma clementis** Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 90.

British North Borneo, *Clemens 10374!* Endemic.

4. **Antidesma cuspidatum** Muell.-Arg. in Linnaea 34 (1865) 67, DC. Prodr. 15|2 (1866) 252; Merr. in Philip. Journ. Sci. 11 (1916) Bot. 54.

Sarawak, *Native collector 266!, 504!, 507!, 508!* Bur. Sci., Hewitt. Malay Peninsula.

5. **Antidesma foxworthyi** Merr. in Philip. Journ. Sci. 11 (1916) Bot. 55.

Sarawak, *Foxworthy 268!, 246!* Endemic.

6. **Antidesma ghaesembilla** Gaertn. Fruct. 1 (1781) 189, t. 39; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 134.

British North Borneo, *Gibbs 2961, Villamil 349!* Tropical Asia to Australia.

7. **Antidesma gibbsiae** Hutch. ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 134.

British North Borneo, *Gibbs 2790, 2809.* Endemic.

8. **Antidesma grandistipulum** Merr. in Philip. Journ. Sci. 11 (1916) Bot. 56.

Sarawak, *Native collector 1148!* Bur. Sci., Sarawak Museum! Endemic.

9. **Antidesma hallieri** Merr. in Philip. Journ. Sci. 11 (1916) Bot. 57.

Dutch Borneo, *Hallier 1773!* Endemic.

10. **Antidesma inflatum** Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 91.

British North Borneo, *Villamil 235!, Agama 418* Endemic.

11. **Antidesma moritzii** Muell.-Arg. in Linnaea 34 (1865) 67; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 225.

British North Borneo, *Haviland 1347.* Malay Peninsula and Archipelago; reduced by J. J. Smith to *A. montanum* Blume.

12. **Antidesma neurocarpum** Miq. Fl. Ind. Bat. Suppl. (1860-62) 466; Muell.-Arg. in DC. Prodr. 15|2 (1866) 253; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 135.

Borneo, *Motley 72;* British North Borneo, *Gibbs 2882, Clemens 10944!, 9920!, 9935!* Sumatra.

13. **Antidesma pachyphyllum** Merr. in Philip. Journ. Sci. 11 (1916) Bot. 58.

Sarawak, *Hose* 69!, 139!, *Native collector* 1431!, 1589!, 1915!, 2169!, *Bur. Sci.*, *Foxworthy* 32! Endemic.

14. ***Antidesma phanerophlebium*** Merr. in Philip. Journ. Sci. **11** (1916) Bot. 59.

Sarawak, *Foxworthy* 37!, *Native collector* 1384! 1506!, 1151!, 2433! 264!, 509!, 131! *Bur. Sci.*; British North Borneo, *Clemens* 9772!, 9797!, 9778! Endemic.

15. ***Antidesma rivulare*** Merr. in Philip. Journ. Sci. **11** (1916) Bot. 60.

Sarawak, *Foxworthy* 471!, *Native collector* 2535! *Bur. Sci.* Endemic.

16. ***Antidesma rubiginosum*** Merr. in Philip. Journ. Sci. **11** (1916) Bot. 61.

Sarawak, *Hose* 297! Endemic.

17. ***Antidesma sarawakense*** Merr. in Philip. Journ. Sci. **11** (1916) Bot. 57.

Sarawak, *Native collector* 503! *Bur. Sci.* Endemic.

18. ***Antidesma stenophyllum*** Merr. in Philip. Journ. Sci. **11** (1916) Bot. 62.

Sarawak, *Native collector* 2081! *Bur. Sci.* Endemic.

19. ***Antidesma stipulare*** Blume Bijdr. (1826) 1125; J. J. Sm. in Meded. Dept. Landbouw **10** (1910) 261.

Borneo, fide *Smith* l.c. Java, Buru, Amboina.

20. ***Antidesma tomentosum*** Blume Bijdr. (1826) 1126; Merr. in Philip. Journ. Sci. **11** (1916) Bot. 62.

Sarawak, *Hose* 382! Malay Peninsula, Java, Celebes.

21. ***Antidesma trunciflorum*** nom. nov. *Antidesma cauliflorum* Merr. in Journ. Str. Branch Roy. As. Soc. **76** (1917) 89, non W. W. Sm. (1915).

British North Borneo, *Clemens* 9944!, 10790! Endemic.

22. ***Antidesma venenosum*** J. J. Sm. in Ic. Bogor. 4 (1910) 41, t. 313; Merr. in Philip. Journ. Sci. **11** (1916) Bot. 55.

Dutch Borneo, *Jaheri* 171, 1548, 1257, *Winkler* 2513!; Sarawak, *Haviland & Hose* 720, 317!, *Native collector* 2614! *Bur. Sci.*; British North Borneo, *Clemens* 10015! Endemic.

1. ***Choriphyllum malayanum*** Benth. in Hook. Ic. III 3 (1877-79) 62, t. 1280.

Sarawak, *Beccari* 3270, 3305, 3344. Malay Peninsula, Penang, Singapore.

1. **Bischofia javanica** Blume Bijdr. (1826) 1168.
British North Borneo, *Clemens 10152!* India to China and Malaya.
1. **Cleistanthus baramicus** Jabl. in Engl. Pflanzenreich 65 (1915) 24.
Sarawak, *Hose 571!, 683!*; British North Borneo, *Villamil 391!* Endemic.
2. **Cleistanthus beccarianus** Jabl. in Engl. Pflanzenreich 65 (1915) 19.
Sarawak, *Beccari 1642.* Endemic.
3. **Cleistanthus blancoi** Rolfe f. **dubius** Jabl. in Engl. Pflanzenreich 65 (1915) 13.
British North Borneo, *Fraser 266.* Philippines (the species).
4. **Cleistanthus borneensis** Jabl. in Engl. Pflanzenreich 65 (1915) 25.
Sarawak, *Beccari 1795.* Endemic.
5. **Cleistanthus elongatus** Jabl. in Engl. Pflanzenreich 65 (1915) 23.
Sarawak, *Haviland 3100, Native collector 177! 544! Bur. Sci.* Endemic.
6. **Cleistanthus glabratus** Jabl. in Engl. Pflanzenreich 65 (1915) 40.
Sarawak, *Haviland.* Endemic.
7. **Cleistanthus heterophyllus** Hook. f. Fl. Brit. Ind. 5 (1887) 276; Hallier f. in Meded. Rijks Herb. 1910 (1911) 7.
Dutch Borneo, *Korthals.* Malay Peninsula; the Bornean specimen may prove to be *C. blancoi* Rolfe rather than *C. heterophyllus* Hooker f.
8. **Cleistanthus laevigatus** Jabl. in Engl. Pflanzenreich 65 (1915) 12.
Sarawak, *Beccari 6377, 3882.* Endemic.
9. **Cleistanthus mattangensis** Jabl. in Engl. Pflanzenreich 65 (1915) 33.
Sarawak, *Beccari 1533, 2040.* Endemic.
10. **Cleistanthus myrianthus** (Hassk.) Kurz Forest. Fl. Brit. Burm. (1877) 370; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 271; Jabl. in Engl. Pflanzenreich 65 (1915) 39 (f. *ovalis* Jabl.) *Nanopetalum myrianthum* Hassk. in Verh. Kon. Acad. Amsterd. 24 (1855) 40; Muell.-Arg. in DC. Prodr. 15|2 (1866) 510.

Dutch Borneo, *Teysmann* 8280, *Motley* 746, 1259, *Korthals!*; Sarawak, *Beccari* 3415. India to New Guinea.

11. *Cleistanthus oligophlebius* Merr. in Philip. Journ. Sci. 13 (1918) Bot. 80.

British North Borneo, *Villamil* 399! Endemic.

12. *Cleistanthus paxii* Jabl. in Engl. Pflanzenreich 65 (1915) 27, f. 4, A-F.

Sarawak, *Beccari* 734, 1565. Endemic.

13. *Cleistanthus pseudopodocarpus* Jabl. in Engl. Pflanzenreich 65 (1915) 29.

Sarawak, *Beccari* 1991, 1114, *Haviland & Hose* 3089, 3232. Endemic.

14. *Cleistanthus sarawakensis* Jabl. in Engl. Pflanzenreich 65 (1915) 34.

Sarawak, *Beccari* 2469. Endemic.

15. *Cleistanthus sumatranus* (Miq.) Muell.-Arg. in DC. Prodr. 15:2 (1866) 504; Jabl. in Engl. Pflanzenreich 65 (1915) 13, f. 2, A-E.

Dutch Borneo, *Winkler* 2378. Singpaore and Sumatra to Celebes and the Aru Islands.

16. *Cleistanthus venosus* C. B. Rob. in Philip. Journ. Sci. 3 (1908) Bot. 192; Jabl. in Engl. Pflanzenreich 65 (1915) 12.

British North Borneo, *Creagh*. Philippines.

17. *Cleistanthus vestitus* Jabl. in Engl. Pflanzenreich 65 (1915) 32.

Dutch Borneo, *Teysmann* 11331, 11333; Sarawak, *Beccari* 3369. Endemic except for f. *perakensis* Jabl. in Perak.

18. *Cleistanthus winkleri* Jabl. in Engl. Pflanzenreich 65 (1915) 12.

Sarawak, *Beccari* 1418, 1808, *Hose* 172, *Haviland* 3098, 3099, 3699. Endemic.

1. *Bridelia gehrmanni* Jabl. in Engl. Pflanzenreich 65 (1915) 73. *Bridelia moonii* Gehrm. in Engl. Bot. Jahrb. 41 (1898) Beibl. 95: 37 as to the Bornean reference, non Thw.

Sarawak, *Haviland & Hose* 1858. Endemic.

2. *Bridelia minutiflora* Hook. f. Fl. Brit. Ind. 5 (1887) 273; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 271; Jabl. in Engl. Pflanzenreich 65 (1915) 76.

Sarawak, *Hose* 502!, *Beccari* 2837, 3818; Sarawak, *Native collector* 2276! *Bur. Sci.*; British North Borneo, *Villamil* 2276!;

Dutch Borneo, *Winkler* 2942, 3160. Tenasserim to the Philippines and New Guinea.

3. ***Bridelia stipularis*** (Linn.) Blume Bijdr. (1825) 597; Jabl. in Engl. Pflanzenreich 65 (1915) 55.

Sarawak: *Beccari* 3669; British North Borneo, *Clemens* 9761!, 11230!, *Yates* 15! India to Moluccas.

4. ***Bridelia tomentosa*** Blume Bijdr. (1825) 597; Jabl. in Engl. Pflanzenreich 65 (1915) 58; Muell.-Arg. in DC. Prodr. 15|2 (1866) 501 (var. *chinensis* Muell.-Arg.)

Dutch Borneo, *Motley* 493, *Winkler* 2635, 2965, 2973, 3023. India to Formosa, southward to New Guinea.

1. ***Daphniphyllum borneense*** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 224; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 134; Hallier f. in Beihefte Bot. Centralbl. 34|2 (1916) 21.

British North Borneo, *Haviland* 1070, *Gibbs* 4170, *Clemens* 10656!, 10946! Mindanao.

2. ***Daphniphyllum glaucescens*** Blume Bijdr. (1826) 1192; Hallier f. in Beihefte Bot. Centralbl. 34|2 (1916) 19.

Sarawak, *Foxworthy* 212! Java.

3. ***Daphniphyllum laurinum*** Baill. Etud. Gen. Euph. (1858) 565, t. 21, f. 25-27; Hallier f. in Beihefte Bot. Centralbl. 34|2 (1916) 20.

Dutch Borneo, *Korthals*. Malaya Peninsula, Sumatra, Banca, Java.

1. ***Croton argyratus*** Blume; Hallier f. in Meded. Rijks Herb. 1910 (1911) 93.

Dutch Borneo, *Korthals*!

Var. ***hypoleucus*** Muell.-Arg. in Flora 47 (1864) 483, DC. Prodr. 15|2 (1866) 526.

Borneo, *Motley* 758. Malay Peninsula, Sumatra, Java, Philippines.

2. ***Croton borneensis*** J. J. Sm. in Ic. Bogor. 4 (1910) 45, t. 314.

Dutch Borneo, *Teysmann* 8429, 8613; Sarawak, *Native collector* 1434! *Bur. Sci.* Endemic.

3. ***Croton caudatus*** Geisel. *Crot. Monog.* (1807) 73; Hallier f. in Meded. Rijks Herb. 1910 (1911) 93.

Dutch Borneo, *Korthals*!; Sarawak, *Hose* 133! India to Malaya and the Philippines.

4. **Croton ensifolius** Merr. in Philip. Journ. Sci. 11 (1916) Bot. 66.

Sarawak, *Native collector 2770!* *Bur. Sci.* Endemic.

5. **Croton heterocarpus** Muell.-Arg. in DC. Prodr. 15|2 (1866) 621; Hallier f. in Meded. Rijks. Herb. 1910 (1911) 7. *Croton ardisioides* Hook. f. Fl. Brit. Ind. 5 (1887) 393; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 283.

Dutch Borneo, *Teysmann 11335, Winkler 3434*; Sarawak, *Foxworthy 293!*, *Hewitt!*; British North Borneo, *Clemens 11245!* Malay Peninsula, Sumatra, Palawan.

6. **Croton laevifolius** Blume Bijdr. (1825) 603; J. J. Sm. in Meded. Dept. Landbouw 10 (1910) 341. *Croton korthalsii* Muell.-Arg. in DC. Prodr. 15|2 (1866) 527.

Sarawak, *Native collector 742!*, 2886! *Bur. Sci.*; Dutch Borneo, *Korthals*; British North Borneo, *Yates 379!* Malay Peninsula, Banca, Riouw, Java.

7. **Croton tiglium** Linn. Sp. Pl. (1753) 1004; Muell.-Arg. in DC. Prodr. 15|2 (1866) 600; Becc. Nelle Foreste di Borneo (1902) 595.

Borneo, *Motley 607, Beccari.* India to Malaya, generally planted.

8. **Croton viminalis** Becc. Nelle Foreste di Borneo (1902) 524, *nomen nudum.*

Sarawak, *Beccari 3824.* Presumably endemic.

1. **Agrostistachys latifolia** (Hook. f.) Pax & Hoffm. in Engl. Pflanzenfam. 57 (1912) 100. *Agrostistachys longifolia* Benth. var. *latifolia* Hook. f. Fl. Brit. Ind. 5 (1887) 407. *Agrostistachys borneensis* Becc. Nelle Foreste di Borneo (1902) 331.

Sarawak, *Beccari 3117.* Malay Peninsula.

2. **Agrostistachys leptostachya** Pax & Hoffm. in Engl. Pflanzenreich 57 (1912) 102.

Sarawak, *Beccari 1381, Hose 162!*, *Native collector 1505!*, 1848!, 2951! *Bur. Sci.*; British North Borneo, *Villamil 259 bis!* Philippines.

1. **Claoxylon pauciflorum** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 225; Pax & Hoffm. in Engl. Pflanzenreich 63 (1914) 107.

British North Borneo, *Haviland 1344, 1347, Clemens 10373!* Endemic.

2. **Claoxylon polot** (Burm. f.) Merr. Interpret. Herb. Amb. (1917) 200. *Claoxylon indicum* Hassk. Cat. Hort. Bogor. (1844) 235; Pax & Hoffm. in Engl. Pflanzenreich 63 (1914) 108.

Dutch Borneo, *Winkler 2190, 2630.* India to southern China southward to Java and Timor.

3. **Claoxylon pseudoinsulanum** Pax & K. Hoffm. in Engl. Pflanzenreich 63 (1914) 113.

Dutch Borneo, *Schlechter* 13398. Endemic.

4. **Claoxylon rubescens** Miq. Fl. Ind. Bat. 1|2 (1858-59) 397; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 135.

British North Borneo, *Gibbs* 2956. Philippines, Java, ? Fiji.

5. **Claoxylon winkleri** Pax & Hoffm. in Engl. Pflanzenreich 63 (1914) 106.

Dutch Borneo, *Winkler* 2872, 3024. Endemic.

1. **Coelodepas hosei** Merr. in Philip. Journ. Sci. 11 (1916) Bot. 66.

Sarawak, *Hose* 465! Endemic.

1. **Mallotus affinis** Merr. in Philip. Journ. Sci. 13 (1918) Bot. 82.

British North Borneo, *Villamil* 370! Endemic.

2. **Mallotus albus** (Roxb.) Muell.-Arg. in Linnaea 34 (1865) 183. DC. Prodr. 15|2 (1866) 965; Pax & Hoffm. in Engl. Pflanzenreich 63 (1914) 168; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 289.

Borneo, fide *Boerlage* l.c. India to China and Sumatra.

3. **Mallotus borneensis** Muell.-Arg. in DC. Prodr. 15|2 (1866) 980; Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 125; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 290; Pax & Hoffm. in Engl. Pflanzenreich 63 (1914) 198.

Dutch Borneo, *Korthals*, *Winkler* 3221; Sarawak, *Hose* 329, 362! Celebes.

4. **Mallotus caudatus** Merr. in Philip. Journ. Sci. 13 (1918) Bot. 83.

British North Borneo, *Villamil* 376! Endemic.

5. **Mallotus dispar** (Blume) Muell.-Arg. in DC. Prodr. 15|2 (1866) 971; Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 124.

Dutch Borneo, *Korthals*. Java, Sumatra.

6. **Mallotus floribundus** (Blume) Muell.-Arg. in Linnaea 34 (1865) 187; Pax & Hoffm. in Engl. Pflanzenreich 63 (1914) 173.

Sarawak, *Hose* 111!, 467!, *Foxworthy* 357!; Dutch Borneo, *Hallier* 193. Tenasserim to the Philippines and New Guinea.

7. **Mallotus glaberrimus** (Reichb. f. & Zoll.) Muell.-Arg. in Linnaea 34 (1865) 192; J. J. Sm. Meded. Dept. Landbouw 10 (1910) 435; Pax & Hoffm. in Engl. Pflanzenreich 63 (1914) 192.

Borneo, fide *Smith* l.c.; Sarawak, *Native collector* 560! *Bur. Sci.* Java.

8. **Mallotus impar** Pax & Hoffm. in Engl. Pflanzenreich 63 (1914) 396.

Sarawak, *Hose 281!* Endemic.

9. **Mallotus korthalsii** Muell.-Arg. in DC. Prodr. 15|2 (1866) 976; Pax & Hoffm. in Engl. Pflanzenreich 63 (1914) 158; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 290. *Rottlera korthalsii* Scheff. in Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 124.

Dutch Borneo, *Korthals*. Philippines, Celebes.

10. **Mallotus leptophyllus** Pax & Hoffm. in Engl. Pflanzenreich 63 (1914) 203.

Sarawak, *Hose 26!* Endemic.

11. **Mallotus macrostachyus** (Miq.) Muell.-Arg. in DC. Prodr. 15|2 (1866) 963; Pax & Hoffm. in Engl. Pflanzenreich 63 (1914) 163. *Rottlera macrostachys* Miq. Fl. Ind. Bat. Suppl. (1860-62) 454, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 123.

Dutch Borneo, *Teysmann, De Vriese, Winkler 2536, Hallier 805, 1348*; Sarawak, *Hose 138!, 461!, 434!*. Malay Peninsula, Banca.

12. **Mallotus miquelianus** (Scheff.) Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 290; Pax & Hoffm. in Engl. Pflanzenreich 63 (1914) 200. *Mallotus anisophyllus* Hook. f. Fl. Brit. Ind. 5 (1887) 436; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 290.

Dutch Borneo, *Korthals, Motley, Winkler 2218!*; British North Borneo, *Villamil 305!* Malay Peninsula, Sumatra, Palawan, Mindore.

13. **Mallotus oblongifolius** (Miq.) Muell.-Arg. in Linnaea 34 (1865) 192; Pax & Hoffm. in Engl. Pflanzenreich 63 (1914) 193. *Mallotus stylaris* Muell.-Arg. in DC. Prodr. 15|2 (1866) 973; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 290.

Dutch Borneo, *Korthals*. Andaman Islands, Java, Celebes; a variety in Siam.

14. **Mallotus paniculatus** (Lam.) Muell.-Arg. in Linnaea 34 (1865) 189, DC. Prodr. 15|2 (1866) 965. *Croton paniculatus* Lam. Encycl. 2 (1786) 207. *Mallotus cochinchinensis* Lour. Fl. Cochinch. (1790) 635; Pax & Hoffm. in Engl. Pflanzenreich 63 (1914) 166. *Rottlera paniculata* Juss.; Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 123.

Dutch Borneo, *Korthals, Hallier 897, Winkler 2611!*; Sarawak, *Beccari 1074, Foxworthy 87!, 146!, Haviland & Hose 2099, Native collector 180!, 513!, 1385!, 1671!, 2695!* *Bur. Sci.*; British North Borneo, *Clemens 10485!* Burma to southern China southward to north-eastern Australia.

15. **Mallotus philippensis** (Lam.) Muell.-Arg. in *Linnaea* 34 (1865) 196, DC. Prodr. 15|2 (1866) 980; Pax & Hoffm. in Engl. Pflanzenreich 63 (1914) 184, 396.

Dutch Borneo, *Teysmann* 8396. India to tropical Australia.

16. **Mallotus ricinoides** (Pers.) Muell.-Arg. in *Linnaea* 34 (1865) 187; Pax & Hoffm. in Engl. Pflanzenreich 63 (1914) 170; Gibbs. in Journ. Linn. Soc. Bot. 42 (1914) 136. *Rottlera ricinoides* Juss.; Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 123.

Dutch Borneo, *Korthals*, *Winkler* 2649; British North Borneo, *Gibbs* 2660, *Villamil* 303!, *Clemens* 10148!, 9617!, *Topping* 1927! Tenasserim to north-eastern Australia.

17. **Mallotus sarawakensis** Pax & Hoffm. in Engl. Pflanzenreich 63 (1914) 201.

Sarawak, *Hose* 184!, 22! Endemic.

18. **Mallotus tiliifolius** (Blume) Muell.-Arg. in *Linnaea* 34 (1865) 190; Pax & Hoffm. in Engl. Pflanzenreich 63 (1914) 148. *Mallotus playfairii* Hemsl. in Journ. Linn. Soc. Bot. 26 (1894) 441; Merr. in Philip. Journ. Sci. 3 (1908) Bot. 416.

Dutch Borneo, *Korthals*; Sarawak, *Beccari* 1766, *Sarawak Museum s.n.*!, *Native collector* 1147! 2317! *Bur. Sci.* Near the seashore, Sumatra to Formosa and the Samoan Islands.

19. **Mallotus woodii** Merr. in Philip Journ. Sci. 13 (1918) Bot. 81.

British North Borneo, *Wood* 451! Endemic.

1. **Blumeodendron tokbrai** (Blume) J. J. Sm. in Meded. Depart. Landbouw 10 (1910) 460; Pax & Hoffm. in Engl. Pflanzenreich 63 (1914) 48.

Sarawak, *Haviland & Hose* 3103, *Sarawak Museum* 51! Java.

1. **Melanolepis multiglandulosa** (Blume) Rchb. f. & Zoll. in *Linnaea* 28 (1856) 324; Merr. Interpret. Herb. Amb. (1917) 318. *Mallotus moluccanus* Muell.-Arg. in *Linnaea* 34 (1865) 185, DC. Prodr. 15|2 (1866) 958; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 135; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 288, non *Croton moluccanus* Linn.! *Melanolepis moluccana* Pax & Hoffm. in Engl. Pflanzenreich 63 (1914) 142, non *Croton moluccanus* Linn.!

Dutch Borneo, *Winkler* 2956, *Motley*, *Grabowsky*; British North Borneo, *Gibbs* 2653, 2721, *Villamil* 337!

Indo-China to Formosa, Philippines, Marianne Islands, New Guinea, and Sumatra.

1. **Coccoceras** sp.; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 288.

Borneo, fide *Boerlage* l.c.

1. **Wetria macrophylla** (Blume) J. J. Sm. in Meded. Dept. Landbouw 10 (1910) 471; Pax & Hoffm. in Engl. Pflanzenreich 63 (1914) 219.

Borneo, fide *Smith* l.c. Sumatra, Java, Philippines.

1. **Macaranga brachythyrsa** Pax & Hoffm. in Engl. Pflanzenreich 63 (1914) 320.

Dutch Borneo, *Winkler* 3319. Endemic.

2. **Macaranga caladifolia** Becc. in Malesia 2 (1884) 46, t. 3; Pax & Hoffm. in Engl. Pflanzenreich 63 (1914) 383, f. 64.

Sarawak, *Beccari* 920, *Native collector* 167!, 1432!, 1511!, 2460! *Bur. Sci.*, *Hewitt*!

Var. **truncata** Pax & Hoffm. l.c.

Dutch Borneo, *Winkler* 3318. Endemic.

3. **Macaranga costulata** Pax & K. Hoffm. in Engl. Pflanzenreich 63 (1914) 338.

Sarawak, *Haviland & Hose* 3662, *Native collector* 1811!, 2015! *Bur. Sci.*, British North Borneo, *Clemens* 9879!, 9946! Endemic.

4. **Macaranga depressa** Muell.-Arg. in DC. Prodr. 15|2 (1866) 989; Pax & Hoffm. in Engl. Pflanzenreich 63 (1914) 382.

Dutch Borneo, *Motley* 480.

Var. **mollis** Muell.-Arg. l.c.; Pax & Hoffm. l.c.

Sarawak, *Haviland & Hose* 458, *Native collector* 168! *Bur. Sci.* Endemic.

5. **Macaranga divergens** Muell.-Arg. in DC. Prodr. 15|2 (1866) 989; Pax & Hoffm. in Engl. Pflanzenreich 63 (1914) 382, f. 63 F.

Sarawak, *Beccari* 1235, *Haviland & Hose* 320; Borneo, in Hb. Lugd.-Bat. (probably *Korthals*). Endemic.

6. **Macaranga fomicarium** Pax & Hoffm. in Engl. Pflanzenreich 63 (1914) 307.

Dutch Borneo, *Winkler* 3025; British North Borneo, *Clemens* 11177!, 10294! Endemic.

7. **Macaranga gigantea** (Reichb. f. & Zoll.) Muell.-Arg. in DC. Prodr. 15|2 (1866) 995, Pax & Hoffm. in Engl. Pflanzenreich 63 (1914) 307. *Macaranga megalophylla* Muell.-Arg.; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 291; Becc. Nelle Foreste di Borneo (1902) 583.

Dutch Borneo, *Winkler* 2288; British North Borneo, *Villamil* 289! Malay Peninsula, Sumatra, Java.

8. **Macaranga gossypifolia** Pax & Hoffm. in Engl. Pflanzenreich 63 (1914) 311.

Dutch Borneo, *Winkler 2996*. Endemic.

9. **Macaranga hosei** King in Hook. f. Fl. Brit. Ind. 5 (1887) 449; Becc. Nelle Foreste di Borneo (1902) 583.

Sarawak, *Beccari*. Malay Peninsula.

10. **Macaranga hypoleuca** (Reichb. f. & Zoll.) Muell.-Arg. in DC. Prodr. 15|2 (1886) 992; Pax & Hoffm. in Engl. Pflanzenreich 63 (1914) 311.

Borneo, *Low*.

Var. **borneensis** Hutch. ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 136.

British North Borneo, *Gibbs 4295*. Malay Peninsula, Penang, Sumatra (species).

11. **Macaranga insignis** Merr. in Philip. Journ. Sci. 11 (1916) Bot. 69.

Sarawak, *Native collector 169!*, *171!*, *1156!*, *1509!* *Bur. Sci.* Endemic.

12. **Macaranga motleyana** Muell.-Arg. in DC. Prodr. 15|2 (1866) 994; Pax & Hoffm. in Engl. Pflanzenreich 63 (1914) 310. *Mappa motleyana* Muell.-Arg. in Flora 47 (1865) 467.

Borneo, *Motley 1215*. Endemic.

13. **Macaranga populifolia** (Miq.) Muell.-Arg. in DC. Prodr. 15|2 (1866) 1006; Pax and Hoffm. in Engl. Pflanzenreich 63 (1914) 322.

Sarawak, *Beccari 1238*; British North Borneo, *Villamil 300!* Andaman Islands, Malay Peninsula, Sumatra.

14. **Macaranga pseudopruinosa** Pax & Hoffm. in Engl. Pflanzenreich 63 (1914) 308.

Sarawak, *Haviland & Hose 3210*. Endemic.

15. **Macaranga tanarius** (Linn.) Muell.-Arg. in DC. Prodr. 15|2 (1866) 997; Pax and Hoffm. in Engl. Pflanzenreich 63 (1914) 352, var *tomentosa* Muell.-Arg. l.c.; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 136.

Borneo, *Motley 349*; British North Borneo, *Gibbs 2652*, *Villamil 319!* Andaman Islands to the Philippines and north-eastern Australia.

16. **Macaranga tenuiramea** Pax & Hoffm. in Engl. Pflanzenreich 63 (1914) 384.

Sarawak, *Haviland & Hose 464*. Endemic.

17. **Macaranga trichocarpa** (Reichb. f. & Zoll.) Muell.-Arg. in DC. Prodr. 15|2 (1866) 1003; Pax & Hoffm. in Engl. Pflanzenreich 63 (1914) 358. *Macaranga borneensis* Muell.-Arg. in DC. Prodr. 15|2 (1866) 1003. *Mappa borneensis* Muell.-Arg. in Flora 47 (1864) 468.

Sarawak, *Beccari 1026, 1028, Native collector 170!, 517!, 518!, 2017!, 2001!* *Bur. Sci.*; Dutch Borneo, *Motley 199, Winkler 2907*. Cochinchina and the Malay Peninsula.

18. **Macaranga triloba** (Reinw.) Muell.-Arg. in DC. Prodr. 15|2 (1866) 989 Pax & Hoffm. in Engl. Pflanzenreich 63 (1914) 380; J. J. Sm. in Meded. Dept. Landbouw 10 (1910) 504; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 293.

Borneo, fide *Smith* and *Boerlage* l.c. Mergui, Malay Peninsula, Penang, Java, Sumatra, and Palawan.

19. **Macaranga winkleri** Pax and Hoffm. in Engl. Pflanzenreich 63 (1914) 355, f. 60.

Dutch Borneo, *Winkler 2873*. Endemic.

1. **Calpignyne frutescens** Blume Mus. Bot. Lugd.-Bat. 2 (1856) 193; Miq. Fl. Ind. Bat. 1|2 (1858-59) 408; Muell.-Arg. in DC. Prodr. 15|2 (1866) 1255; Pax and Hoffm. in Engl. Pflanzenreich 63 (1914) 255.

Borneo, fide *Blume* l.c. Celebes; a monotypic genus.

1. **Cephalomappa beccariana** Baill Adansonia 11 (1875) 131; Pax in Engl. Pflanzenreich 44 (1910) 17.

Sarawak, *Beccari 425, Hose 303!* A monotypic endemic genus.

1. **Acalypha amentacea** Roxb. Fl. Ind. ed. 2, 3 (1832) 676; Merr. Interpret. Herb. Amb. (1917) 322. *Acalypha stipulacea* Klotzsch in Nov. Act. Acad. Nat. Cur. 19 (1843) Suppl. 1: 416; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 226; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 135.

British North Borneo, *Fraser 232, Haviland 1363, Gibbs 3036, Clemens 9769!* Philippines to Java and New Guinea.

2. **Acalypha caturus** Blume Bijdr. (1825) 629; Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 121; Stapf; in Trans. Linn. Soc. Bot. 4 (1894) 225; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 135.

Dutch Borneo, *Korthals*; British North Borneo, *Gibbs 2987, Haviland 1342, Clemens 494!* Malay Archipelago.

1. **Cnesmone javanica** Blume Bijdr. (1825) 630; Miq. Mus. Bot. Lugd.-Bat. 4 (1868-69) 122.

Borneo, fide *Miquel* l.c. India to Sumatra, and Java.

1. **Plukenetia corniculata** Smith in Nov. Act. Soc. Sci. Upsal. 6 (1799) 4; J. J. Sm. in Meded. Dept. Landbouw 10 (1910) 526.

Borneo, fide *Smith* l.c. India to Malaya and the Philippines.

1. **Ricinus communis** Linn. Sp. Pl. (1753) 1007.

British North Borneo, *Villamil* 265; *Clemens* 9648!

The castor oil plant, in all warm countries cultivated and wild.

1. **Homonoia javensis** (Blume) Muell.-Arg. in *Linnaea* 34 (1865) 200.

British North Borneo, *Villamil* 389! Malay Archipelago and the Philippines.

1. **Aleurites moluccana** (Linn.) Willd. Sp. Pl. 4 (1805) 590. *Aleurites triloba* Forst.; Hallier f. in Meded. Rijks Herb. 1910 (1911) 92. *Camirium cordifolium* Gaertn.; Becc. Nelle Foreste di Borneo (1902) 588.

Dutch Borneo, *Korthals*; Sarawak, *Beccari*, *Foxworthy* 188! Malaya to Polynesia; now introduced in most tropical countries. The candle nut.

1. **Jatropha curcas** Linn. Sp. Pl. (1753) 1006; Pax in Engl. Pflanzenreich 42 (1910) 77, f. 30. The physic nut, cultivated in Borneo as in other tropical countries, a native of tropical America.

2. **Jatropha gossypifolia** Linn. Sp. Pl. (1753) 1006; Pax in Engl. Pflanzenreich 42 (1910) 26.

Dutch Borneo, *Winkler* 2187. A native of tropical America, now pantropic.

1. **Elateriospermum tapos** Blume Bijdr. (1825) 621; Becc. Nelle Foreste di Borneo (1902) 599; Pax in Engl. Pflanzenreich 42 (1910) 16.

Sarawak, *Beccari*; Dutch Borneo, *Winkler* 2355, 2409, 2540. Malay Peninsula, Sumatra, Java.

1. **Manihot utilissima** Pohl Pl. Bras. Ic. 1 (1827) 32, t. 24; Becc. Nelle Foreste di Borneo (1902) 596.

Cultivated in Borneo as it is in other tropical countries; the cassava or tapioca plant.

1. **Galearia aristifera** Miq. Fl. Ind. Bat. Suppl. (1860-62) 102; Pax in Engl. Pflanzenreich 47 (1911) 102. *Bennettia aristifera* Muell.-Arg. in DC. Prodr. 15|2 (1866) 1039.

Borneo, *Lobb*, *Low*; Sarawak, *Native collector* 1149! *Bur. Sci.* Sumatra.

2. **Galearia leptostachys** Pax in Engl. Pflanzenreich 47 (1911) 102.

Sarawak, *Haviland & Hose* 979. Endemic.

3. **Galearia phlebocarpa** (R. Br.) Miq. Fl. Ind. Bat. 1|2 (1858-59) 430; Pax in Engl. Pflanzenreich 47 (1911) 100. *Bennettia phlebocarpa* R. Br. in Benn. Pl. Jav. Rar. (1852) 251; Muell.-Arg. in DC. Prodr. 15|2 (1866) 1038.

Borneo, *Motley* 545, *Lobb*; Sarawak, *Native collector* 174! *Bur. Sci.* Malay Peninsula, Sumatra.

1. **Trigonostemon laevigatus** Muell.-Arg. in Flora 47 (1864) sub *t.* 758; Muell.-Arg. in DC. Prodr. 15|2 (1866) 1041; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 135; Hallier f. in Meded. Rijks Herb. 1910 (1911) 11; Pax in Engl. Pflanzenreich 47 (1911) 106.

Dutch Borneo, *Motley* 334.

Assam to southern China, Malay Peninsula, Sumatra, Philippines.

1. **Trigonostemon laevigatus** Muell.-Arg. in Flora 47 (1864) 538, DC. Prodr. 15|2 (1866) 1111; Pax in Engl. Pflanzenreich 47 (1911) 94.

Borneo, *Barber*, *Motley* 686. Endemic.

1. **Moultonianthus borneensis** Merr. in Philip. Journ. Sci. 11 (1916) Bot. 70.

Sarawak, *Native collector* 412!, 464!, 510!, 563! *Bur. Sci.* A monotypic endemic genus.

1. **Trigonopleura borneensis** Merr. in Philip. Journ. Sci. 11 (1916) Bot. 76.

Sarawak, *Hose* 676! Endemic.

1. **Ostodes macrophyllus** (Muell.-Arg.) Benth. & Hook. f. ex Jackson Index Kewensis 2 (1895) 382; Pax in Engl. Pflanzenreich 47 (1911) 18; Merr. in Philip. Journ. Sci. 11 (1916) 73.

Sarawak, *Foxworthy* 141! Malay Peninsula, Sibuyan, Luzon.

2. **Ostodes pauciflorus** Merr. in Philip. Journ. Sci. 11 (1916) Bot. 72 (err. typ. *fauciflorus*)

Sarawak, *Hose* 244! Endemic.

3. **Ostodes villamilii** Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 92.

British North Borneo, *Villamil* 164! Endemic.

1. **Dimorphocalyx borneensis** Merr. in Philip. Journ. Sci. 11 (1916) Bot. 73.

Sarawak, *Hose* 420. Endemic.

2. **Dimorphocalyx malayanus** Hook. f. Fl. Brit. Ind. 5 (1887) 404; Pax in Engl. Pflanzenreich 47 (1911) 33.

Borneo, fide *Hooker* f. l.c. Malay Peninsula, Penang.

1. **Blachia andamanica** (Kurz) Hook. f. Fl. Brit. Ind. 5 (1887) 403, Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 284.

Borneo, fide *Boerlage* l.c. Andaman Islands.

1. **Gelonium glomeratum** Hassk. Cat. Hort. Bogor. (1844) 237; J. J. Sm. in Meded. Dept. Landbouw 10 (1910) 594.

Borneo, fide *Smith* l.c. Malay Peninsula to the Philippines and Celebes.

1. **Erismanthus obliquus** Wall. Cat. (1847-49) No. 8011; Pax in Engl. Pflanzenreich 47 (1911) 34.

Sarawak, *Beccari* 632, 769. Malay Peninsula, Penang.

1. **Chaetocarpus castanocarpus** (Roxb.) Thw. Enum. Pl. Zeyl. (1861) 275; Pax in Engl. Pflanzenreich 52 (1912) 8.

Sarawak, *Beccari* 1113. India to Ceylon, Penang, and the Malay Peninsula.

1. **Cheilosa** sp.

British North Borneo, *Villamil* 31; very near the Philippine *C. homaliifolia* Merr., but the specimen is sterile.

1. **Scortechinia kingii** Hook. f. l.c. III 8 (1887) t. 1706; Becc. Nelle Foreste di Borneo (1902) 583; Merr. in Philip. Journ. Sci. 11 (1916) Bot. 76.

Sarawak, *Beccari* 1164. Malay Peninsula.

1. **Endospermum beccarianum** Pax & Hoffm. in Engl. Pflanzenreich 52 (1912) 35.

Sarawak, *Beccari* 3137 (var. *crassirameum*), 819 (var. *tenuirameum*), *Native collector* 2002! *Bur. Sci.*; British North Borneo, *Villamil* 203! Endemic.

2. **Endospermum borneense** Muell.-Arg. in Flora 47 (1864) 469, DC. Prodr. 15,2 (1866) 1132; Pax in Engl. Pflanzenreich 52 (1912) 35.

Dutch Borneo, *Motley* 1126. Endemic.

3. **Endospermum eglandulosum** Pax & Hoffm. in Engl. Pflanzenreich 63 (1914) 418.

Sarawak, *Beccari* 1347. Endemic.

1. **Omphalea malayana** Merr. in Philip. Journ. Sci. 11 (1916) Bot. 71.

Sarawak, *Hose* 44!, *Native collector* 405! *Bur. Sci.* Luzon.

1. **Sebastiana borneensis** Pax & Hoffm. in Engl. Pflanzenreich 52 (1912) 122.

Sarawak, *Beccari* 3127; Dutch Borneo, *Winkler* 3271! Endemic.

2. **Sebastiana chaemela** (Linn.) Muell.-Arg., var. **asperococca** (F.-Muell.) Pax & Hoffm. in Engl. Pflanzenreich 52 (1912) 117; Merr. in Philip. Journ. Sci. 11 (1916) Bot. 76.

Sarawak, *Native collector* 2359! *Bur. Sci.*; British North Borneo, *Clemens* 9756! India to southern China southward to tropical Australia.

1. **Excoecaria agallocha** Linn. Syst. ed. 10 (1759) 1288; Miq. Fl. Ind. Bat. 1|2 (1858-59) 415; Becc. Nelle Foreste di Borneo (1902) 583; Pax in Engl. Pflanzenreich 52 (1912) 166.

Sarawak, *Beccari*, *Foxworthy* 118!, *Sarawak Museum* 143! Along the seashore, India to Polynesia.

2. **Excoecaria borneensis** Pax & Hoffm. in Engl. Pflanzenreich 63 (1914) 422.

Dutch Borneo, *Schlechter* 13507. Endemic.

3. **Excoecaria macrophylla** (Hassk.) J. J. Sm. in Meded. Dept. Landbouw 10 (1910) 611; Pax in Engl. Pflanzenreich 52 (1912) 162.

Dutch Borneo, *Hallier*. Java.

1. **Homalanthus giganteus** Zoll. in Flora 30 (1847) 662; Boerl. in Handl. Fl. Nederl. Ind. 3 (1900) 295; Pax in Engl. Pflanzenreich 52|2 (1912) 51.

Borneo, fide *Boerlage* l.c. Java, Sumatra, Celebes, Amboina.

2. **Homalanthus populneus** (Geisel) Pax in Engl. & Prantl Nat. Pflanzenfam. 3:5 (1890) 96, f. 60; Pax in Engl. Pflanzenreich 52|2 (1912) 46. *Carumbium populifolium* Reinw.; Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 127.

Sarawak, *Beccari* 3248, *Hose* 296!, *Native collector* 2014!, 2646! *Bur. Sci.*; Dutch Borneo, *Winkler* 2188; British North Borneo, *Clemens* 9571!, 10222! Malay Peninsula to Java, Philippines and Celebes.

1. **Pimeleodendron acuminatum** Merr. in Philip. Journ. Sci. 11 (1916) Bot. 74.

Sarawak, *Hose* 240! Endemic.

2. **Pimeleodendron borneense** Warb. in Engl. Bot. Jahrb. 18 (1893) 199; Pax in Engl. Pflanzenreich 52 (1912) 56.

Sarawak, *Beccari* 293, *Hose* 206!, 295!, 304!, *Native collector* 1048! *Bur. Sci.*; Borneo, *Motley* 164, *Barber*. Endemic; this form is probably the basis of the Bornean reference under *P. amboinicum* Hassk.; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 295.

1. **Sapium indicum** Willd Sp. 4 (1805) 572; Becc. Nelle Foreste di Borneo (1902) 583, 595; Pax in Engl. Pflanzenreich 52 (1912) 251; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 136.

Sarawak, *Beccari 1199, Hose 294!*, *Native collector 2441!* *Bur. Sci.*; *Sarawak Museum 142!*; British North Borneo, *Gibbs 2659*; Dutch Borneo, *Winkler 3455*. India to New Guinea.

1. **Euphorbia atoto** Forst. Prodr. (1786) 207; Boiss. in DC. Prodr. 15|2 (1862) 12.

Borneo, *Motley*; British North Borneo, *Topping 1389!*, *1390!*; Sarawak, *Native collector 2352!* *Bur. Sci.* Sandy seashores, India to Australia and Polynesia.

2. **Euphorbia hirta** Linn. Sp. Pl. (1753) 454. *Euphorbia pilulifera* Linn. l.c.

Sarawak, *Native collector 176!*, *2370!* *Bur. Sci.*, *Hose 340!* Pantropic.

3. **Euphorbia hypericifolia** Linn. Sp. Pl. (1753) 454; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 133.

British North Borneo, *Gibbs 2731*. Pantropic.

4. **Euphorbia thymifolia** Linn. Sp. Pl. (1753) 454.

British North Borneo, *Clemens 9608!*, *9683*; Pantropic.

Anacardiaceae.

1. **Buchanania arborescens** Blume Mus. Bot. 1 (1850) 183. *Buchanania florida* Schauer var. *arborescens* Engl. in DC. Monog. Phan. 4 (1883) 188.

Borneo, *Motley 287*; Sarawak, *Beccari 2731*; British North Borneo, *Clemens 9540!* India to Malaya and the Philippines.

2. **Buchanania insignis** Blume Mus. Bot. Lugd.-Bat. 1 (1850) 184; Walp. Ann. 2 (1850-51) 286; Miq. Fl. Ind. Bat. 1|2 (1858-59) 636; Engl. in DC. Monog. Phan. 4 (1883) 191.

Borneo, *Low, Motley 140*; Dutch Borneo, *Muller*; Sarawak, *Beccari 534, 1161, 2460, 2487*. Sumatra.

3. **Buchanania lucida** Blume Mus. Bot. Lugd.-Bat. 1 (1850) 183. *Buchanania florida* Schauer var. *lucida* Engl. in DC. Monog. Phan. 4 (1883) 188; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 67.

British North Borneo, *Gibbs 2586, Clemens 9671!*, *Villamil 152!*, *156!*, *338!*; Dutch Borneo, *Motley 287*; Sarawak, *Beccari 2731, Foxworthy 180!*, *294!*, *311!*, *Hose 63!*, *534!*, *Native collector 861!*, *1263!*, *1265!*, *1653!*, *2279!* *Bur. Sci.*, *Sarawak Museum 193!* Malay Peninsula and Archipelago.

4. *Buchanania sessilifolia* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 184; in DC. Monog. Phan. 4 (1883) 191.

Sarawak, *Beccari* 2731. Malay Peninsula, Sumatra, Java.

1. *Androtium astylum* Stapf in Hook. Ic. IV 8 (1903) t. 2763.

Sarawak, *Haviland* 2860. A monotypic endemic genus.

1. *Mangifera caesia* Jack in Roxb. Fl. Ind. 2 (1824) 441; Engl. in DC. Monog. Phan. 4 (1883) 213.

Dutch Borneo, *Korthals*; Sarawak, *Beccari* 657, *Low*. *Mangifera kemanga* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 202; Hook. f. in Trans. Linn. Soc. 23 (1860) 167, t. 23, f. 1-5. Widely cultivated in Malaya.

2. *Mangifera indica* Linn. Sp. Pl. (1753) 200; Engl. in DC. Monog. Phan. 4 (1883) 198; Becc. Nelle Foreste di Borneo (1902) 599. The mango; cultivated in all tropical countries, a native of the Indo-Malayan region.

3. *Mangifera quadrifida* Jack, var. *spathulifolia* (Blume) Engl. in DC. Monog. Phan. 4 (1883) 206. *Mangifera spathulifolia* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 200; Walp. Ann. 2 (1850-51) 284; Miq. Fl. Ind. Bat. 1|2 (1858-59) 633.

Dutch Borneo, *Korthals*. Malay Peninsula, Penang (the species).

The cashew, *Anacardium occidentale* Linn. is doubtless cultivated in Borneo as it is in all other parts of Malaya.

1. *Gluta bengahas* Linn. Mant. 2 (1771) 293; Engl. in DC. Monog. Phan. 4 (1883) 225 (*rengas*); Ridl. in Journ. Str. Branch Roy. As. Soc. 49 (1908) 15.

Dutch Borneo, *Korthals*; Sarawak, *Foxworthy* 108! Malay Peninsula, Java, Sumatra; a variety in Madagascar.

2. *Gluta velutina* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 183; Miq. Fl. Ind. Bat. 12 (1858-59) 624. *Gluta coarctata* Hook. f. Fl. Brit. Ind. 2 (1876) 22; Ridl. in Journ. Str. Branch Roy. As. Soc. 49 (1908) 16.

Sarawak, *Ridley*; Dutch Borneo, *Muller*. Malay Peninsula, Sumatra.

1. *Swintonia acuta* Engl. in Bot. Jahrb. 1 (1881) 44, DC. Monog. Phan. 4 (1883) 232.

Sarawak, *Beccari* 2753, 2382. Endemic.

2. *Swintonia glauca* Engl. in Bot. Jahrb. 1 (1881) 44, DC. Monog. Phan. 4 (1883) 230; Becc. Nelle Foreste di Borneo (1902) 591.

Sarawak, *Beccari* 366, 1085, 538, 3978. Endemic.

3. *Swintonia obtusifolia* Engl in DC. Monog. Phan. 4 (1883) 231.

Sarawak, *Beccari 2898*. Endemic.

4. *Swintonia schwenkii* (Teysm. & Binn.) Kurz var. *beccarii* Engl. in Bot. Jahrb. 1 (1881) 44, DC. Monog. Phan. 4 (1883) 232; Becc. Nelle Foreste di Borneo (1902) 591.

Sarawak, *Beccari 366, 2963*. Malay Peninsula, Sumatra (the species).

1. *Melanorrhoea beccarii* Engl. in Bot. Jahrb. 1 (1881) 45, DC. Monog. Phan. 4 (1883) 237.

Sarawak, *Beccari 1484*. Endemic.

2. *Melanorrhoea macrocarpa* Engl. in DC. Monog. Phan. 4 (1883) 236.

Sarawak, *Beccari 3051*. Endemic.

3. *Melanorrhoea maingayi* Hook. f. Fl. Brit. Ind. 2 (1876) 25; in DC. Monog. Phan. 4 (1883) 235.

Borneo, *Low*. Malay Peninsula. *Melanorrhoea obtusifolia* Engl.; Becc. Nelle Foreste di Borneo (1902) 576 is perhaps a *lapsus calami* for *Swintonia obtusifolia* Engl.; there is no species of *Melanorrhoea* described under this name.

4. *Melanorrhoea oba* Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 190.

British North Borneo, *Villamil 316!* Endemic.

1. *Bouea angustifolia* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 204; Walp. Ann. 2 (1850-51) 285; Miq. Fl. Ind. Bat. (1858-59) 635; Engl. in DC. Monog. Phan. 4 (1883) 241.

Dutch Borneo, *Korthals*. Endemic.

2. *Bouea macrophylla* Griff. Pl. Cantor. (1837?) 15; Engl. in DC. Monog. Phan. 4 (1883) 239. *Bouea gandaria* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 204; Miq. Fl. Ind. Bat. 1|2 (1858-59) 635.

Dutch Borneo, *Korthals*. Burma, Malay Peninsula, Java.

1. *Koordersiodendron pinnatum* (Blanco) Merr. Philip. Forestry Bur. Bull. 1 (1903) 33. *Koordersiodendron celebicum* Engl. ex Koord. in Meded. Lands Plantent. 19 (1898) 410; Boerl. in Ic. Bogor. 1 (1901) 55, t. 94-96.

British North Borneo, *Villamil 18!* Philippines, Celebes.

1. *Dracontomelum costatum* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 232; Walp. Ann. 2 (1850-51) 288; Miq. Fl. Ind. Bat. 1|2 (1858-59) 639; Engl. in DC. Monog. Phan. 4 (1883) 253.

Dutch Borneo, *Korthals*. Endemic.

2. **Dracontomelum mangiferum** Blume Mus. Bot. Lugd.-Bat. 1 (1850) 231, f. 42; Engl. in DC. Monog. Phan. 4 (1883) 251.

Borneo, *Motley* 350. Burma to Malaya.

3. **Dracontomelum sylvestre** Blume Mus. Bot. Lugd.-Bat. 1 (1850) 231; Miq. Fl. Ind. Bat. 1½ (1858-59) 639; Engl. in DC. Monog. Phan. 4 (1883) 252.

Dutch Borneo, *Korthals*; Sarawak, *Beccari* 2783, 3518, *Lobb*; British North Borneo, *Villamil* 302! Java, Moluccas.

1. **Pentaspadon motleyi** Hook. f. in Trans. Linn. Soc. 23 (1860) 168, t. 24; Engl. in DC. Monog. Phan. 4 (1883) 294, t. 9, f. 30-36; Becc. Nelle Foreste di Borneo (1902) 575, 589, 601. *Nothoprotium sumatranum* Miq. Fl. Ind. Bat. Suppl. (1861) 527, Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 90.

Borneo, *Motley* 1280. Sumatra.

1. **Camptosperma auriculata** (Blume) Hook. f. Fl. Brit. Ind. 2 (1876) 41; Engl. in DC. Monog. Phan. 4 (1883) 320. *Buchanania auriculata* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 185; Walp. Ann. 2 (1850-51) 286; Miq. Fl. Ind. Bat. 1½ (1858-59) 637.

Dutch Borneo, *Korthals*; Sarawak, *Lobb*, *Sarawak Museum* 89! Malay Peninsula, Sumatra.

2. **Camptosperma macrophylla** (Blume) Hook. f. Fl. Brit. Ind. 2 (1876) 41; Engl. in DC. Monog. Phan. 4 (1883) 316; Becc. Nelle Foreste di Borneo (1902) 575. *Buchanania macrophylla* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 185; Walp. Ann. 2 (1850-51) 286; Miq. Fl. Ind. Bat. 1½ (1858-59) 637.

Dutch Borneo, *Muller*; Sarawak, *Beccari*. Malay Peninsula, Sumatra, Banca.

1. **Rhus borneensis** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 142.

British North Borneo, *Haviland* 1198. Endemic.

1. **Melanochyla beccariana** Oliv. in Hook. Ic. IV 4 (1894) t. 2313; Becc. Nelle Foreste di Borneo (1902) 575.

Sarawak, *Beccari* 2546, *Haviland* 814. Endemic.

1. **Semecarpus bunburyana** Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 67.

British North Borneo, *Gibbs* 3964. Endemic.

2. **Semecarpus fulinervis** Blume Mus. Bot. Lugd.-Bat. 1 (1850) 189; Walp. Ann. 2 (1850-51) 285; Miq. Fl. Ind. Bat. 1½ (1858-59) 627; Engl. in DC. Monog. Phan. 4 (1883) 495.

Dutch Borneo, *Muller*. Endemic.

3. ***Semecarpus glauca*** Engl. in DC. Monog. Phan. 4 (1883) 478; King in Journ. As. Soc. Beng. 65|2 (1896) 512, in note. Sarawak, *Beccari* 2875, 3318. Malay Peninsula.

4. ***Semecarpus roxburghii*** Blume Mus. Bot. Lugd.-Bat. 1 (1850) 188; Miq. Fl. Ind. Bat. 1|2 (1858-59) 626; Engl. in DC. Monog. Phan. 4 (1883) 485.

Dutch Borneo, *Muller*, *Korthals*. Endemic.

5. ***Semecarpus scabrida*** Blume Mus. Bot. Lugd.-Bat. 1 (1850) 189; Walp. Ann. 2 (1850-51) 285; Miq. Fl. Ind. Bat. 1|2 (1858-59) 627; Engl. in DC. Monog. Phan. 4 (1883) 485.

Dutch Borneo, *Krothals*, *Motley*; British North Borneo, *Villamil* 245! Endemic

Aquifoliaceae.

1. ***Ilex beccariana*** Loesener in Nov. Act. Akad. Naturforscher 78 (1901) 86.

Sarawak, *Beccari* 1482, 1879, 2056. Endemic.

2. ***Ilex borneensis*** Loesener in Nov. Act. Akad. Naturforscher 78 (1901) 284.

Sarawak, *Beccari* 1652, 2577. Endemic.

3. ***Ilex cissoidea*** Loesener in Nov. Act. Akad. Naturforscher 78 (1901) 430.

Sarawak, *Beccari* 3144. Endemic.

4. ***Ilex cymosa*** Blume Bijdr. (1826) 1149; King in Journ. As. Soc. Beng. 64|2 (1895) 136; Loesener in Nov. Act. Akad. Naturforscher 78 (1901) 74.

Sarawak, *Haviland* & *Hose* 59, *Beccari* 3259, 3583, 3914 p.p., 3376, *Hose* 58!, *Native collector* 808!, 809!, 1848! *Bur. Sci*; Dutch Borneo, *Korthals*, *Motley* 797, 924; British North Borneo, *Clemens* 9706!, *Villamil* 282!

Tenasserim to the Malay Archipelago and the Philippines.

5. ***Ilex epiphytica*** King in Journ. As. Soc. Beng. 64|2 (1895) 134; Loesener in Nov. Act. Akad. Naturforscher 78 (1901) 358.

Sarawak, *Beccari* 2113. Malaya Peninsula.

6. ***Ilex harmsiana*** Loesener in Nov. Act. Akad. Naturforscher 78 (1901) 433.

Sarawak. *Beccari* 3223. Endemic.

7. ***Ilex havilandii*** Loesener in Nov. Act. Akad. Naturforscher 78 (1901) 423. *Ilex vacciniifolia* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 140, non Klotzsch.

British North Borneo, *Haviland 1186* (var. *camptoneura* Stapf),
Haviland 1114 (var. *subnervis* Stapf).

var. **major** W.W. Sm. in Notes Bot. Gard. Edinburgh 8 (1915)
 323.

Sarawak, *Native collector D167* Edinb. Endemic.

8. **Ilex malaccensis** Loesener in Nov. Act. Akad. Natur-
 forscher 78 (1901) 432.

Sarawak, *Beccari 3273*. Malay Peninsula, Sumatra.

9. **Ilex mattangicola** Loesener in Nov. Act. Akad. Natur-
 forscher 78 (1901) 115.

Sarawak, *Beccari 1707*. Endemic.

10. **Ilex revoluta** Stapf in Hook. Ic. IV 3 (1893) *t.* 2263,
 Trans. Linn. Soc. Bot. 4 (1894) 139; Loesener in Nov. Act. Akad.
 Naturforscher 78 (1901) 422; Gibbs in Journ. Linn. Soc. Bot. 42
 (1914) 64.

British North Borneo, *Gibbs 3127*, *Haviland 1087*, *Clemens*
10682! Endemic.

11. **Ilex sarawacensis** Loesener in Nov. Act. Akad. Natur-
 forscher 78 (1901) 434.

Sarawak, *Beccari 2122*. Endemic.

12. **Ilex sclerophylla** Hook. f. Fl. Brit. Ind. 1 (1875) 606;
 Loesener in Nov. Act. Akad. Naturforscher 78 (1901) 85.

Sarawak, *Beccari 3323*. Malay Peninsula.

13. **Ilex sclerophylloides** Loesener in Nov. Act. Akad.
 Naturforscher 78 (1901) 77; Becc. Nelle Foreste di Borneo
 (1902) 77.

Sarawak, *Beccari 3321, 3337, 3912 p.p.* Endemic.

14. **Ilex spicata** Blume Bijdr. (1826) 1149; Stapf in Trans.
 Linn. Soc. Bot. 4 (1894) 429; Loesener in Nov. Act. Akad.
 Naturforscher 78 (1901) 429. Loesener in Nov. Act. Akad.
 Naturforscher 78 (1901) 429.

British North Borneo, *Haviland 1201*. Java, Sumatra, New
 Guinea.

15. **Ilex stapfiana** Loesener in Nov. Act. Akad. Natur-
 forscher 78 (1901) 431. •

Sarawak, *Haviland & Hose 3357*. Endemic.

16. **Ilex triflora** Blume var. **lobbiana** (Rolfe) Loesener in
 Nov. Act. Akad. Naturforscher 78 (1901) 346.

Dutch Borneo, *Teysmann*. Malay Peninsula, China; the species
 and other varieties India to China, southward to Java.

Celastraceae.

1. **Lophopetalum beccarianum** Pierre Fl. Forest. Cochinch. 4 (1894) Sub t. 307.

Sarawak, *Beccari* 2495. Endemic.

1. **Microtropis ramiflora** Wight Ic. t. 977; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 140.

British North Borneo, *Haviland* 1110; Sarawak, *Native collector* 2870!, 2869! *Bur. Sci.* Ceylon and India.

1. **Kurrimia paniculata** Wall. Cat. (1831) No. 4336; King in Journ. As. Soc. Beng. 65|2 (1896) 355.

Sarawak, *Sarawak Museum, March* 1893! Malay Peninsula, Sumatra; *K. luzonica* Vid. of the Philippines is probably the same.

1. **Kokoonia** sp. King in Journ. As. Soc. Beng. 65|2 (1896) 346.

Borneo, fide *King* l.c.

1. **Elaeodendron subrotundum** King in Journ. As. Soc. Beng 65|2 (1896) 356; Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 93.

Sarawak, *Foxworthy* 119!; British North Borneo, *Foxworthy* 623! Malay Peninsula.

1. **Perrottetia alpestris** (Blume) Loesener in Engl. & Prantl Nat. Pflanzenfam. 3|5 (1892) 220; Engl. Bot. Jahrb. 24 (1897) 200; Koord. & Valetton in Ic. Bogor. 2 (1904) 137, t. 127; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 141 (var. *philippinensis* Stapf); Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 64 (var. *philippinensis* Stapf).

British North Borneo, *Haviland* 1389, *Gibbs* 4292, *Clemens* 10020!, 10147!; Sarawak, *Native collector* 1746! *Bur. Sci.* Philippines, Java, Sumatra.

Hippocrateaceae

1. **Hippocratea glaga** Korth. in Flora 31 (1848) 580; Walp. Ann. 2 (1850-51) 193.

Dutch Borneo, *Korthals*. Endemic.

2. **Hippocratea macrantha** Korth. Verh. Nat. Gesch. Bot. (1839-42) 187, t. 39; Miq. Fl. Ind. Bat. 1|2 (1858-59) 599; Ridl. in Journ. Str. Branch Roy. As. Soc. 75 (1917) 21.

Dutch Borneo, *Korthals*. Malay Peninsula.

3. **Hippocratea maingayi** Laws. in Hook. f. Fl. Brit. Ind. 1 (1875) 625; King in Journ. As. Soc. Beng. 65|2 (1896) 361.

Borneo (?), fide *Lawson* l.c. Malay Peninsula.

1. *Salacia kalahiensis* Korth. Verh. Nat. Gesch. Bot. (1839-42) 183, t. 38, Flora 31 (1848) 579; Walp. Ann. 2 (1850-51) 194; Miq. Fl. Ind. Bat. 1|2 (1858-59) 597.

Dutch Borneo, *Korthals*. Endemic.

2. *Salacia laurifolia* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 141.

British North Borneo, *Haviland* 1370. Endemic.

3. *Salacia macrocarpa* Korth. Verh. Nat. Gesch. Bot. (1839-42) 184, Flora 31 (1848) 579; Walp. Ann. 2 (1850-51) 194; Miq. Fl. Ind. Bat. 1|2 (1858-59) 598.

Dutch Borneo, *Korthals*. Endemic.

4. *Salacia polyantha* Korth Verh. Nat. Gesch. Bot. (1839-42) 182, Flora 31 (1848) 579; Walp. Ann. 2 (1850-51) 194; Miq. Fl. Ind. Bat. 1|2 (1858-59) 597, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 150; King in Journ. As. Soc. Beng. 65|2 (1896) 367.

Dutch Borneo, *Korthals*. Malay Peninsula.

5. *Salacia prinoides* (Willd.) DC. Prodr. 1 (1824) 571.

Sarawak, *Foxworthy* 187!; British North Borneo, *Villamil* 286! India to Malaya and the Philippines.

Staphyleaceae.

1. *Turpinia pomifera* (Roxb.) DC. Prodr. 2 (1825) 3.

British North Borneo, *Clemens* 10407!; Sarawak, *Native collector* 2379! *Bur. Sci.* India to Formosa and Malaya.

Icacinaceae.

1. *Lasianthera macrocarpa* (Blume) Miq. Fl. Ind. Bat. 1|1 (1855-58) 792. *Stemonurus macrocarpus* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 250; Walp. Ann. 2 (1850-51) 182.

Dutch Borneo, *Korthals*. Endemic.

2. *Lasianthera umbellata* (Becc.) King in Journ. As. Soc. Beng. 64|2 (1895) 117. *Stemonurus umbellatus* Becc. Malesia 1 (1877) 115, t. 5, f. 5, 6; Valetton Crit. Overzigt Olac. (1886) 235.

Sarawak, *Beccari* 473.

Var. *ovalifolius* Becc. l.c. t. 4, f. 14, 15.

Sarawak, *Beccari* 3662. Malay Peninsula.

1. *Stemonurus capitatus* Becc. Malesia 1 (1877) 114, t. 5, f. 7-11; Valetton Crit. Overzigt Olac. (1886) 236.

Sarawak, *Beccari* 3713, 2141. Endemic.

2. *Stemonurus evenius* Stapf in Kew Bull. (1906) 71.

Sarawak, *Haviland's collector*. Endemic.

3. **Stemonurus grandifolius** Becc. Malesia 1 (1877) 114, t. 5, f. 1; Valeton Crit. Overzigt Olac. (1886) 236.

Sarawak, *Beccari 3014*. Endemic.

4. **Stemonurus labuanensis** Stapf in Kew Bull. (1906) 71. *Lasianthera apicalis* Mast. in Hook. f. Fl. Brit. Ind. 1 (1875) 584 p.p., as to the Labuan plant.

Labuan, *Motley 131*; Sarawak, *Hose 107!* Endemic.

5. **Stemonurus lanceolatus** Becc. Malesia 1 (1877) 115, t. 5, f. 2-4; Valeton Crit. Overzigt Olac. (1886) 235.

Sarawak, *Beccari 471*. Endemic.

6. **Stemonurus lysipetalus** (Stapf) comb. nov. *Gomphandra lysipetala* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 139.

British North Borneo, *Haviland 1207*. Endemic.

7. **Stemonurus parviflorus** Blume Mus. Bot. Lugd.-Bat. 1 (1850) 250. *Gomphandra parviflora* Valeton Crit. Overzigt Olac. (1886) 218. *Lasianthera parviflora* Miq. Fl. Ind. Bat. Suppl. (1860-62) 791.

Dutch Borneo, *Teysmann 8455*. Sumatra.

8. **Stemonurus prasinus** Blume Mus. Bot. Lugd.-Bat. 1 (1850) 249. *Gomphandra prasina* Becc. ?; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 139.

British North Borneo, *Haviland 1243*. Malay Peninsula, Sumatra, New Guinea.

9. **Stemonurus scorpiurus** Becc. Malesia 1 (1877) 113, t. 6; Valeton Crit. Overzigt Olac. (1886) 235.

Sarawak, *Beccari 882, 3577*. Endemic.

1. **Urandra corniculata** (Becc.) Foxw. in Philip. Journ. Sci. 6 (1911) Bot. 179. *Platea corniculata* Becc. Malesia 1 (1877) 117.

Sarawak, *Foxworthy 104!*, *Moulton!*, *Sarawak Museum!* Banca; cultivated in the Botanic Garden, Buitenzorg, Java.

1. **Gonocaryum teysmannianum** Scheff. in Ann. Jard. Bot. Buitenz. 1 (1876) 98.

Sarawak, *Hose 314!*, *384!* Cultivated in the Botanic Garden, Buitenzorg, Java, from Batjan.

1. **Iodes ovalis** Blume Bijdr. (1825) 30.

Sarawak, *Hose 463!*; apparently the form described by Miquel as *I. tomentella* Miq. Malay Archipelago.

1. **Phytocrene borneensis** Becc. Malesia 1 (1877) 128.

Sarawak, *Beccari 783*. Endemic.

2. **Phytocrene bracteata** Wall. Pl. As. Rar. 3 (1832) 12; Becc. Malesia 1 (1877) 127; Baill. in DC. Prodr. 17 (1873) 12; King in Journ. As. Soc. Beng. 64/2 (1895) 122.

Sarawak, *Beccari* 783; British North Borneo, *Clemens* 11178! Burma, Malay Peninsula, Penang.

3. **Phytocrene porphyrea** Stapf in Kew Bull. (1906) 72. Sarawak, *Haviland* 3140. Endemic.

1. **Cardiopleryx lobata** R. Br. in Wall. Cat. (1847) No. 8033. *Cardiopteris rumphii* Baill. var. *lobata* Baill. in Adansonia 10 (1871-73) 281.

Borneo, fide *Baillon* l.c. India to the Philippines and New Guinea.

Sapindaceae.

1. **Cardiospermum halicacabum** Linn. Sp. Pl. (1753) 366; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 65.

British North Borneo, *Gibbs* 2970; Sarawak, *Hose* 352! Pantropic.

1. **Allophylus javensis** Blume Rumphia 3 (1847) 126; Winkler in Engl. Bot. Jahrb. 49 (1913) 370. *Allophylus sundanus* Miq. Fl. Ind. Bat. 1/2 (1858-59) 575; Walp. Ann. 7 (1868) 622.

Borneo, fide *Miquel* l.c.; British North Borneo, *Clemens* 10099! Malay Peninsula and Archipelago, Palawan.

2. **Allophylus racemosus** (Linn.) Radlk. in Engl. & Prantl Nat. Pflanzenfam. 3/5 (1895) 312, 313, Sitzungsber. Math-Phys. Klasse Kgl. Bayer. Akad. Wissensch. 38 (1908) 230, 238. *Allophylus fulinervis* Blume Rumphia 3 (1847) 183; Walp. Ann. 7 (1868) 622; Miq. Fl. Ind. Bat. 1/1 (1858-59) 576. *Allophylus rufescens* Blume Rumphia 3 (1847) 137.

Borneo, fide *Blume* and *Miquel* l.c. Burma through Malaya and the Philippines to New Guinea.

3. **Allophylus scandens** Ridl. in Journ. Str. Branch Roy. As. Soc. 75 (1917) 26.

Sarawak, *Hose* 123, *Haviland* 987. Singapore.

4. **Allophylus sumatranus** Blume Rumphia 3 (1847) 132; Radlk. in Sitzungsber. Math.-Phys. Klasse Kgl. Bayer. Akad. Wissensch. 38 (1908) 232, 239. *Schmidelia tomentosa* Hook. f. in Trans. Linn. Soc. 23 (1860) 164; Walp. Ann. 7 (1868) 622.

Labuan, *Motley*. Malay Archipelago to New Guinea.

5. **Allophylus timorensis** Blume Rumphia 3 (1847) 130.

Sarawak, *Foxworthy* 267!, *Native collector* 2203!, 2200! *Bur. Sci.*, *Sarawak Museum*! Along the seashore, Malaya to Polynesia.

1. **Erioglossum rubiginosum** (Roxb.) Blume in Rumphia 3 (1847) 118, t. 166. *Erioglossum edule* Blume l.c.

Borneo, fide Blume l.c. India through Malaya and the Philippines to tropical Australia.

1. **Aphania** sp.

Sarawak, *Native collector 709!* Bur. Sci. An endemic undescribed species fide Radlkofer in lit.

1. **Lepisanthes heterolepis** Blume Rumphia 3 (1847) 156; Walp. Ann. 1|2 (1858-59) 562; Miq. Fl. Ind. Bat. 1|2 (1858-59) 562.

Dutch Borneo, *Korthals*. Endemic.

1. **Otophora alata** Blume Rumphia 3 (1847) 145; Walp. Ann. 2 (1850-51) 222; Miq. Fl. Ind. Bat. 1|2 (1858-59) 560; Radlk. in Act. Congr. Int. Bot. Amsterdam 1877 (1878) 78; Winkler in Engl. Bot. Jahrb. 49 (1913) 370.

Dutch Borneo, *Korthals*, *Winkler 3135*; Sarawak, *Sarawak Museum!*; cult. Buitenzorg Bot. Gard. III-J-67a! Endemic.

2. **Otophora amoena** Blume Rumphia 3 (1847) 142; Winkler in Engl. Bot. Jahrb. 49 (1913) 370; Radlk. in Act. Congr. Int. Bot. Amsterdam 1877 (1878) 78.

Dutch Borneo, *Winkler 3136*. Java.

3. **Otophora cordigera** Radlk. Nachtr. Sapind. Holl.-Ind. (1878) 85.

Dutch Borneo, *Beccari 3359*. Endemic.

4. **Otophora fruticosa** Blume Rumphia 3 (1847) 144; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 66.

British North Borneo, *Gibbs 2625*, *Villamil 321!*. Siam to Sumatra, the Moluccas and the Philippines.

5. **Otophora imbricata** Blume Rumphia 3 (1847) 144; Walp. Ann. 2 (1850-51) 222; Miq. Fl. Ind. Bat. 1|2 (1858-59) 559; Radlk. in Act. Congr. Int. Bot. Amsterdam 1877 (1878) 76; Winkler in Engl. Bot. Jahrb. 49 (1913) 370; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 66.

Dutch Borneo, *Korthals*, *Winkler 2265*; British North Borneo, *Gibbs 2863*. Endemic.

6. **Otophora multijuga** (Hook. f.) comb. nov. *Nephelium multijugum* Hook. f. in Trans. Linn. Soc. 23 (1860) 164; Walp. Ann. 7 (1868) 630. *Capura multijuga* Hook. f. ex Radlk. in Act. Congr. Int. Bot. Amsterdam 1877 (1878) 79.

Labuan, *Motley*. Endemic.

7. **Otophora pulchella** (Ridl.) comb. nov. *Capura pulchella* Ridl. in Journ. Str. Branch Roy. As. Soc. 54 (1910) 35.

Borneo, *Ridley*. Endemic.

8. **Otophora pubescens** Blume Rumphia 3 (1847) 145; Walp. Ann. 2 (1850-51) 222; Miq. Fl. Ind. Bat. 1|2 (1858-59) 560; Radlk. in Act. Congr. Int. Bot. Amsterdam 1877 (1878) 76.

Dutch Borneo, fide *Blume* l.c.; cult. Buitenzorg Bot. Gard. III-J-61a! Endemic.

9. **Otophora ramiflora** Becc. in Act. Congr. Int. Bot. Amsterdam 1877 (1878) 77, 100.

Sarawak, *Beccari* 235, 364, *Native collector* 2697! *Bur. Sci.* Endemic.

10. **Otophora spectabilis** Blume Rumphia 3 (1847) 142; Miq. Fl. Ind. Bat. 1|2 (1858-59) 559; Radlk. in Act. Congr. Int. Bot. Amsterdam (1877) (1878) 76. *Otophora confinis* Blume Rumphia 3 (1847) 143; Walp. Ann. 2 (1850-51) 222.

Dutch Borneo, *Korthals*. Java.

1. **Euphoria elongata** Radlk. in Act. Congr. Int. Bot. Amst. 1877 (1878) 75, 93.

Sarawak, *Beccari* 2459. Endemic.

2. **Euphoria stellulata** (Turcz.) Radlk. in Sitzungsber. Math. Phys. Klasse Kgl. Bayer. Akad. Wissensch. 8 (1878) 303, Philip. Journ. Sci. 8 (1913) Bot. 445.

Borneo, fide *Radlkofer*. Samar, Mindanao.

1. **Pseudonephelium fumatum** (Blume) Radlk. Nachtr. Sapind. Holl.-Ind. (1878) 71. *Nephelium fumatum* Blume Rumphia 3 (1847) 111; Walp. Ann. 1 (1850-51) 220; Miq. Fl. Ind. Bat. 1|2 (1858-59) 556.

Borneo, fide *Blume* l.c. Philippines, Malay Peninsula; a monotypic genus.

1. **Xerospermum acuminatum** Radlk. in Act. Congr. Int. Bot. Amsterdam 1877 (1878) 75, 93.

Sarawak, *Beccari* 3408. Endemic.

2. **Xerospermum lanceolatum** Radlk. in Act. Congr. Int. Bot. Amsterdam 1877 (1878) 75, 93.

Sarawak, *Beccari* 1031. Endemic.

1. **Nephelium beccarianum** Radlk. Act. Congr. Int. Bot. Amsterdam 1877 (1878) 77, 93; Becc. Nelle Foreste di Borneo (1902) 601.

Sarawak, *Beccari* 2103, 2279. Endemic.

2. **Nephelium chryseum** Blume Rumphia 3 (1847) 105; Walp. Ann. 2 (1850-51) 220; Miq. Fl. Ind. Bat. 1|2 (1858-59) 554; Becc. Nelle Foreste di Borneo (1902) 600.

Dutch Borneo, *Korthals*. Burma and Tonkin to Sumatra, Java, and Palawan.

3. **Nephelium compressum** Radlk. in Act. Congr. Int. Bot. Amsterdam 1877 (1878) 77, 96.

Sarawak, *Beccari* 1268. Endemic.

4. **Nephelium cuspidatum** Blume Rumphia 3 (1847) 110; Walp. Ann. 2 (1850-51) 200; Miq. Fl. Ind. Bat. 1|2 (1858-59) 555.

Dutch Borneo, *Korthals*. Endemic.

5. **Nephelium daedaleum** Radlk. in Act. Congr. Int. Bot. Amsterdam 1877 (1878) 77, 95; Becc. Nelle Foreste di Borneo (1902) 600.

Sarawak, *Beccari* 2818. Endemic.

6. **Nephelium macrophyllum** Radlk. in Act. Congr. Int. Bot. Amsterdam 1877 (1878) 77, 95.

Sarawak, *Beccari* 2500. Endemic.

7. **Nephelium melanomiscium** Radlk. Nachtr. Sapind. Holl.-Ind. (1878) 74.

Sarawak, *Beccari* 3918. Endemic.

8. **Nephelium multinerve** Radlk. in Act. Congr. Int. Bot. Amsterdam 1877 (1878) 77, 95; Becc. Nelle Foreste di Borneo (1902) 600.

Sarawak, *Beccari* 2820. Endemic.

9. **Nephelium mutabile** Blume Bijdr. (1825) 233, Rumphia 3 (1847) 104; Miq. Fl. Ind. Bat. 1|2 (1858-59) 555.

Borneo, fide *Blume* l.c.; British North Borneo, *Villamil* 334! Malay Peninsula, Sumatra, Java, Philippines.

10. **Nephelium reticulatum** Radlk. in Act. Congr. Int. Bot. Amsterdam 1877 (1878) 77, 95; Becc. Nelle Foreste di Borneo 600, 601.

Sarawak, *Beccari* 2819. Endemic.

11. **Nephelium xanthioides** Radlk. in Act. Congr. Int. Bot. Amsterdam 1877 (1878) 77, 95; Becc. Nelle Foreste di Borneo (1902) 600, 601.

Sarawak, *Beccari* 2849. Endemic.

1. **Pometia acuminata** (Hook. f.) Radlk. in Act. Congr. Int. Bot. Amsterdam 1877 (1878) 77. *Nephelium acuminatum* Hook. f. in Trans. Linn. Soc. 23 (1860) 164; Walp. Ann. 7 (1868) 630.

Borneo, *Low*; Sarawak, *Native collector 1379!*, *1732!*, *1944!*
Bur. Sci., *Sarawak Museum s.n.*! Endemic.

2. **Pometia pinnata** Forst. *Char. Gen.* (1776) 110.

Sarawak, *Native collector 2141!* *Bur. Sci.*; British North Borneo,
Clemens 9830! Malaya and the Philippines to Polynesia.

3. **Pometia tomentosa** (Blume) *Teysm. & Binn. Cat. Hort.*
Bogor. (1866) 214. *Irina alnifolia* Blume *Rumphia* 3 (1847) 117;
Walp. Ann. 2 (1850-51) 209.

Borneo, fide *Blume l.c.*; Sarawak, *Sarawak Museum s.n.*!
Sumatra, Java, Timor.

1. **Guioa pleuropteris** (Blume) *Radlk. in Sitzungsber.*
Math.-Phys. Klasse Kgl. Bayer. Akad. Wissensch. 9 (1879) 611;
Stapf in Trans. Linn. Soc. Bot. 4 (1894) 142; *Winkler in Engl.*
Bot. Jahrb. 49 (1913) 370; *King in Journ. As. Soc. Beng.* 65/2
(1896) 444. *Cupania pleuropteris* Blume *Rumphia* 3 (1847) 159;
Walp. Ann. 2 (1851-52) 214; *Miq. Fl. Ind. Bat.* 1/2 (1858-59) 564;
Radlk. in Act. Congr. Int. Bot. 1877 (1878) 78.

Dutch Borneo, *Korthals, Winkler 2896*; British North Borneo,
Haviland 1364, Gibbs 2588, Clemens 10222!; Sarawak, *Hose 560!*,
568!, *612!* Malay Peninsula, Sumatra, Indo-China, Philippines.

2. **Guioa pubescens** (Zoll. & Mor.) *Radlk. in Sitzungsber.*
Math.-Phys. Klasse Kgl. Bayer. Akad. Wissensch. 8 (1878) 302,
9 (1879) 612. *Cupania pallidula* *Hiern in Hook. f. Fl. Brit. Ind.*
1 (1875) 676.

British North Borneo, *Clemens 9470!*, *10126!* Malay
Peninsula, Sumatra, Java.

3. **Guioa regularis** (Blume) *Radlk. in Act. Congr. Int. Bot.*
1877 (1878) 80. *Cupania regularis* Blume *Rumphia* 3 (1847)
159; *Walp. Ann.* 2 (1850-51) 214; *Miq. Fl. Ind. Bat.* 1/2 (1858-59)
565.

Dutch Borneo, *Korthals*; British North Borneo, *Villamil 171!*
Sumatra to the Moluccas.

1. **Rhysotoechia grandiflora** *Radlk. in Act. Congr. Int. Bot.*
Amsterdam 1877 (1878) 87, 128.

Dutch Borneo, *Korthals, Teysmann.* Endemic.

1. **Dictyoneura acuminata** Blume *Rumphia* 3 (1847) 163;
Walp. Ann. 2 (1850-51) 212. *Cupania acuminata* *Miq. Fl. Ind.*
Bat. 1/2 (1858-59) 567.

Dutch Borneo, *Korthals.* Buru.

1. **Arytera litoralis** Blume *Rumphia* 3 (1847) 170; *Gibbs in*
Journ. Linn. Soc. Bot. 42 (1914) 65.

British North Borneo, *Gibbs 2446.*

f. **rufescens** (Turcz.) Radlk. ex Gibbs l.c.

British North Borneo, *Gibbs* 4334.

f. **angustifolia** Radlk. ex Gibbs l.c.

British North Borneo, *Gibbs* 2697. Sumatra to the Philippines and the Moluccas.

1. **Mischocarpus fuscescens** Blume Rumphia 3 (1847) 169; Radlk. in Philip. Journ. Sci. 8 (1913) Bot. 447.

Borneo, fide *Radlkofer* l.c. Assam to Malaya and the Philippines.

2. **Mischocarpus sumatranus** Blume Rumphia 3 (1847) 168.

Sarawak, *Hose* 124! Sumatra, Billiton.

1. **Dodonaea viscosa** (Linn.) Jacq. Enum. Pl. Carib. (1760)

19. *Dodonaea angustifolia* Blanco; Miq. Fl. Ind. Bat. 1|2 (1858-59) 580. *Dodonaea candolleana* Blume Rumphia 3 (1874) 191.

Sarawak, *Foxworthy* 174!; *Native collector* 2201! *Bur. Sci.* Pantropic, usually near the seashore.

1. **Harpullia arborea** (Blanco) Radlk. in Sitzungsber. Math.-Phys. Klasse Kgl. Akad. Wissensch. 16 (1886) 404; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 66.

British North Borneo, *Gibbs* 2955. India to Malaya and the Philippines.

2. **Harpullia cupanioides** Roxb. Fl. Ind. ed. 2, 1 (1832) 645; Miq. Fl. Ind. Bat. 1|2 (1858-59) 570. *Harpullia rupestris* Blume Rumphia 3 (1847) 175. *Harpullia juglandifolia* Blume Rumphia 3 (1847) 177.

Borneo, fide *Blume* and *Miquel* l.c. India to New Guinea and the Philippines

Sabiaceae.

1. **Sabia parviflora** Wall. in Roxb. Fl. Ind. 2 (1824) 310; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 142.

British North Borneo, *Haviland* 1218. India.

1. **Meliosma cuspidata** Blume Rumphia 3 (1847) 202; Miq. Fl. Ind. Bat. 1|2 (1858-59) 617, Ill. Fl. Archip. Ind. (1871) 74.

Dutch Borneo, *Korthals*. Endemic.

2. **Meliosma ferruginea** Blume Cat. Gew. Buitenz. (1823) 32; Miq. Fl. Ind. Bat. 1|2 (1858-59) 616.

Borneo, fide *Miquel* l.c. Java.

3. **Meliosma grandifolia** Lecomte in Bull. Soc. Bot. France 54 (1907) 676; Renard in Journ. de Bot. 21 (1898) 306.

Sarawak, *Beccari* 3621, 3572. Endemic.

4. **Meliosma hirsuta** Blume *Rumphia* 3 (1847) 200; *Miq. Fl. Ind. Bat.* 1|2 (1858-59) 616.

Borneo (?), fide *Miquel* l.c. Sumatra.

5. **Meliosma lanceolata** Blume *Cat. Gew. Buitenz.* (1823) 32, *Rumphia* 3 (1847) 210, *t.* 168 (var. *chartacea* Blume); *Walp. Ann.* 2 (1850-51) 225; *Miq. Fl. Ind. Bat.* 1|2 (1858-59) 614, III. *Fl. Archip. Ind.* (1871) 74.

Dutch Borneo, *Korthals*. Sumatra, Java, Celebes.

6. **Meliosma laurina** Blume *Rumphia* 3 (1847) 198; *Walp. Ann.* 2 (1850-51) 224; *Miq. Fl. Ind. Bat.* 1|2 (1858-59) 614, III. *Archip. Ind.* (1871) 73.

Dutch Borneo, *Korthals*. Endemic.

7. **Meliosma sumatrana** (Jack) *Walp. Ann.* 1 (1848-49) 135. *Meliosma nitida* Blume *Cat. Gew. Buitenz.* (1823) 32.

British North Borneo, *Clemens* 10244! Malay Peninsula, Sumatra, Philippines.

Balsaminaceae.

1. **Impatiens borneensis** *Miq. Ill. Fl. Archip. Ind.* (1871) 96.

Dutch Borneo, *Korthals*. Endemic.

2. **Impatiens hubertii** *Hook. f. in Kew Bull.* (1910) 74; *Winkler in Engl. Bot. Jahrb.* 44 (1910) 532.

Dutch Borneo, *Winkler* 2939. Endemic.

3. **Impatiens orthosepala** *Hook. f. in Kew Bull.* (1910) 74; *Winkler in Engl. Bot. Jahrb.* 44 (1910) 533.

Dutch Borneo, *Winkler* 3050. Endemic.

4. **Impatiens platypetala** *Lindl. in Bot. Reg.* (1846) *t.* 68; *Stapf in Trans. Linn. Soc. Bot.* 4 (1894) 137. *Impatiens latifolia* *Miq.* (non. *Linn.*) *Ill. Fl. Archip. Ind.* (1871) 94 (var. *parvifolia* *Miq.*)

Dutch Borneo, *Korthals*; British North Borneo, *Haviland* 1235, *Clemens* 10063!, 9958!, 10343!, 10185!; Sarawak, *Native collector* 718!, 2051! Java, ? New Guinea.

5. **Impatiens winkleri** *Hook. f. in Kew Bull.* (1910) 75; *Winkler in Engl. Bot. Jahrb.* 44 (1910) 533.

Dutch Borneo, *Winkler* 2866. Endemic.

1. **Hydrocera triflora** (*Linn.*) *W. & A. Prodr.* 1 (1834) 140; *Miq. Ill. Fl. Archip. Ind.* (1871) 92.

Dutch Borneo, *Korthals*. India to Malaya.

Rhamnaceae.

1. **Ventilago malaccensis** Ridl. in Journ. Str. Branch Roy. As. Soc. 75 (1917) 22.

Sarawak, *Haviland* 2863, *Foxworthy* 295! Malay Peninsula, Penang.

1. **Smythea pacifica** Seem. in Bonplandia 9 (1861) 255; Ridl. in Journ. Str. Branch Roy. As. Soc. 75 (1917) 23.

Borneo, fide *Ridley* l.c. Malay Peninsula, Samoa.

1. **Zizyphus calophylla** Wall. in Roxb. Fl. Ind. 2 (1824) 366.

Sarawak, *Hose* 169!, 698!, *Native collector* 114!, 116!, 117!, 1107!, 2795! *Bur. Sci.*; British North Borneo, *Clemens* 10825! Malay Peninsula, Banca.

1. **Alphitonia excelsa** Reissek ex Endl. Gen. Pl. (1840) 1098; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 64.

British North Borneo, *Gibbs* 2585, *Clemens* 9603!, 9836!, *Villamil* 122!, 339!, *Foxworthy* 607!; Sarawak, *Hose* 481 bis! Philippines to north-eastern Australia and Polynesia.

1. **Gouania microcarpa** DC. Prodr. 2 (1825) 40.

British North Borneo, *Clemens* 9841! India to Malaya.

Vitaceae.

1. **Vitis** aff. **lanata** Roxb.; Winkler in Engl. Bot. Jahrb. 44 (1910) 534.

Dutch Borneo, *Winkler* 2765.

1. **Ampelocissus capillaris** (Ridl.) comb. nov. *Vitis capillaris* Ridl. in Journ. Str. Branch Roy. As. Soc. 75 (1917) 25.

Sarawak, *Beccari* 748. Endemic.

2. **Ampelocissus gracilis** (Wall.) Planch. in DC. Monog. Phan. 5 (1887) 407; Winkler in Engl. Bot. Jahrb. 44 (1910) 534.

Dutch Borneo, *Winkler* 3282; Sarawak, *Native collector* 246!, 532!, 1080!, 1369!, 1678!, 2181! *Bur. Sci.* Malay Peninsula.

3. **Ampelocissus imperialis** (Miq.) Planch. in DC. Monog. Phan. 5 (1887) 408; Winkler in Engl. Bot. Jahrb. 44 (1910) 535. *Vitis imperialis* Miq. Fl. Ind. Bat. Suppl. (1860-62) 518, Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 89.

Dutch Borneo, *Korthals*, *Winkler* 3101. Sumatra, Java.

4. **Ampelocissus lowii** (Hook. f.) Planch. in DC. Monog. Phan. 5 (1887) 412. *Vitis lowii* Hook. f. in Trans. Linn. Soc. 23 (1860) 165; Walp. Ann. 7 (1868) 611.

Borneo, *Low*. Endemic.

5. **Ampelocissus ochracea** (Teysm. & Binn.) Merr. in Philip. Journ. Sci. **11** (1916) Bot. 125. *Cissus ochracea* Teysm. & Binn. in Nat. Tijdschr. Nederl. Ind. **27** (1864) 35.

British North Borneo, *Clemens 9767!*; Sarawak, *Hose 312!* Philippines, Celebes.

6. **Ampelocissus pedicellata** Merr. in Journ. Str. Branch Roy. As. Soc. **76** (1917) 94.

Sarawak, *Native collector 247!* *Bur. Sci.* Endemic.

7. **Ampelocissus pterisanthella** (Ridl.) comb. nov. *Vitis pterisanthella* Ridl. in Journ. Str. Branch Roy. As. Soc. **75** (1917) 25.

Sarawak, *Ridley.* Endemic.

8. **Ampelocissus rubiginosa** Lauterb. ex Winkler in Engl. Bot. Jahrb. **44** (1910) 535.

Dutch Borneo, *Winkler 3281!*; Sarawak, *Native collector 1367!*, *248!* *Bur. Sci.*, *Hose 141!*, *Sarawak Museum s.n.!* Endemic.

9. **Ampelocissus motleyi** (Hook. f.) Planch. in DC. Monog. Phan. **5** (1887) 412 (*mottleyi*). *Vitis motleyi* Hook. f. in Trans. Linn. Soc. **23** (1860) 165; Walp. Ann. **7** (1868) 611.

Labuan, *Motley.* Endemic.

10. **Ampelocissus spicigera** (Griff.) Planch. in DC. Monog. Phan. **5** (1887) 406; Winkler in Engl. Bot. Jahrb. **44** (1910) 534.

Dutch Borneo, *Winkler 2596.* Malay Peninsula, Sumatra.

11. **Ampelocissus tenuis** Merr. in Journ. Str. Branch Roy. As. Soc. **76** (1917) 94.

Sarawak, *Native collector 251!* *Bur. Sci.* Endemic

12. **Ampelocissus winkleri** Lauterb. ex Winkler in Engl. Bot. Jahrb. **44** (1909) 535.

Dutch Borneo, *Winkler 2457!*; Sarawak, *Hose 543!*, *613!*, *Native collector 1893!* *Bur. Sci.*, *Sarawak Museum s.n.!* Endemic.

13. **Ampelocissus polythyrsa** (Miq.) Gagnep. in Bull. Soc. Nat. Autun **24** (1911) 20. *Vitis polythyrsa* Miq. Ann. Mus. Bot. Lugd.-Bat. **1** (1863-64) 89 (var. *lucida* Miq.)

Dutch Borneo, *Korthals.* Cochinchina, Malay Peninsula, Sumatra.

14. **Ampelocissus thyrsiflora** (Miq.) Planch. in DC. Monog. Phan. **5** (1887) 409. *Vitis thyrsiflora* Miq. Ann. Mus. Bot. Lugd.-Bat. **1** (1863-64) 88. *Cissus thyrsiflora* Blume Bijdr. (1825) 187.

Dutch Borneo, *Korthals.* Sumatra, Java, Malay Peninsula.

1. **Pterisanthes beccariana** Planch. in DC. Monog. Phan. 5 (1887) 418.

Sarawak, *Beccari* 796. Endemic.

2. **Pterisanthes cissooides** Blume Bijdr. (1825) 194; Planch. in DC. Monog. Phan. 5 (1887) 421; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 64; Winkler in Engl. Bot. Jahrb. 44 (1910) 536. *Vitis pterisantha* Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 94 (var. *borneensis* Miq.)

Borneo, *Low*; Dutch Borneo, *Korthals*; *Winkler* 2348; British North Borneo, *Gibbs* 3994, *Clemens* 10196!, 9975!; Sarawak, *Native collector* 1079! *Bur. Sci.* Java, Sumatra.

3. **Pterisanthes parvifolia** Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 95.

Sarawak, *Hose* 213! Endemic.

4. **Pterisanthes polita** (Miq.) Planch. in DC. Monog. Phan. 5 (1887) 421.

Borneo, *Burbidge*; Sarawak, *Beccari* 1333, *Hose* 544!, *Native collector* 531!, 250!, 1083!, 1368!, 1783! *Bur. Sci.* Burma to the Malay Peninsula and Sumatra.

5. **Pterisanthes taeniata** Planch. in DC. Monog. Phan. 5 (1887) 419.

Sarawak, *Beccari* 2264. Endemic.

1. **Tetrastigma articulatum** (Korth.) Planch. in DC. Monog. Phan. 5 (1887) 439. *Cissus articulata* Korth. ex Miq. in Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 76. *Vitis articulata* Miq. l.c.

Dutch Borneo, *Korthals*. Endemic.

2. **Tetrastigma bracteolatum** Planch. in DC. Monog. Phan. 5 (1887) 428; Winkler in Engl. Bot. Jahrb. 44 (1910) 536.

Dutch Borneo, *Korthals* 2642, 2735. India.

3. **Tetrastigma glabratum** (Blume) Planch. in DC. Monog. Phan. 5 (1887) 430. *Cissus glabrata* Blume Bijdr. (1825) 189. *Cissus serrulata* Roxb. Fl. Ind. 1 (1820) 114. *Vitis serrulata* Wall.; Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 77, non Roxb.

Dutch Borneo, *Korthals*. India to Malaya.

4. **Tetrastigma papillosum** (Blume) Planch. in DC. Monog. Phan. 5 (1887) 429; Gagnep. in Not. Syst. 1 (1910) 317; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 64.

Borneo, *Chaper*; British North Borneo, *Gibbs* 2983; Sarawak, *Native collector* 2885! *Bur. Sci.* Java to Sumatra, New Guinea and the Philippines.

5. **Tetrastigma pedunculare** (Wall.) Planch. in DC. Monog. Phan. 5 (1887) 438; Winkler in Engl. Bot. Jahrb. 44 (1910) 536. Dutch Borneo, *Winkler* 2898. Malay Peninsula, Penang.

6. **Tetrastigma rupestre** Planch. in DC. Monog. Phan. 5 (1887) 435; Winkler in Engl. Bot. Jahrb. 44 (1910) 536. Dutch Borneo, *Winkler* 2127. India.

7. **Tetrastigma trifoliolatum** Merr. in Philip. Journ. Sci. 9 (1914) Bot., 370. British North Borneo, *Clemens* 10363!, 9996! Leyte.

1. **Cissus adnata** Roxb. Fl. Ind. 1 (1820) 423; Winkler in Engl. Bot. Jahrb. 44 (1909) 536. *Vitis adnata* Wall.; Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 87 (var. *rumphiana* Miq.).

Dutch Borneo, *Korthals*, *Winkler* 2160, 2212, 2537. India to Malaya; often confused with *Cissus assamica* Craib.

2. **Cissus assamica** (Laws.) Craib in Kew Bull. (1911) 30; Gagnep. in Not. Syst. 1 (1911) 353.

Sarawak, *Native collector* 2659! *Bur. Sci.* India to southern China and Malaya; often confused with *Cissus adnata* Roxb.

3. **Cissus discolor** Blume Bijdr. (1825) 181; Winkler in Engl. Bot. Jahrb. 44 (1910) 536.

Dutch Borneo, *Winkler* 2456, 2576, 3485; British North Borneo, *Agama* 428! India to Malaya.

4. **Cissus hastata** Miq. Fl. Ind. Bat. Suppl. (1860-62) 517; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 141; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 65. *Vitis hastata* Ridl. in Journ. Str. Branch Roy. As. Soc. 75 (1917) 24.

British North Borneo, *Haviland* 1372, *Gibbs* 2593, *Clemens* 9656! *Villamil* 351!, *Topping* 1417! Malay Peninsula, Penang, Sumatra.

5. **Cissus nodosa** Blume Bijdr. (1825) 182. *Vitis nodosa* Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 87.

Dutch Borneo, *Korthals*; British North Borneo, *Villamil* 373!, *Yates* 373! Java.

6. **Cissus pubiflora** Miq. Fl. Ind. Bat. Suppl. (1860-62) 516. *Vitis pubiflora* Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 74 (vars. *coriacea* Miq. and *biglandulosa* Miq.) .

Dutch Borneo, *Korthals*. Sumatra.

7. **Cissus pyrrodasys** Miq. Fl. Ind. Bat. Suppl. (1860-62) 517. *Cissus assamica* Craib. var. *pilosissima* Gagnep. in Not. Syst. 1 (1911) 353.

Sarawak, *Haviland 2064*, *Native collector 2880!* *Bur. Sci.*; British North Borneo, *Clemens 11213!*, *Agama 427!* Malaya to the Philippines.

9. *Cissus repens* Lam. *Encycl.* **1** (1783) 31.

British North Borneo, *Yates 13!* India to Malaya and the Philippines.

10. *Cissus rostrata* Korth. ex Planch. in DC. *Monog. Phan.* **5** (1887) 500. *Vitis rostrata* Miq. *Ann. Mus. Bot. Lugd.-Bat.* **1** (1863-64) 85.

Dutch Borneo, *Korthals*. New Guinea.

1. *Columella geniculata* (Blume) Merr. in *Philip. Journ. Sci.* **11** (1916) Bot. 132. *Cissus geniculata* Blume *Bijdr.* (1825) 184; Miq. *Ann. Mus. Bot. Lugd.-Bat.* **1** (1863-64) 81 (var. *hirtella* Miq.); Winkler in *Engl. Bot. Jahrb.* **44** (1910) 536. *Cayratia geniculata* Gagnep. in *Not. Syst.* **1** (1911) 345.

Sarawak, *Beccari 190*; Dutch Borneo, *Korthals*, *Winkler 2568*; British North Borneo, *Clemens 10450!*, *10460!*, *11007!*, *10408!* Indo-China to the Philippines and Malaya.

2. *Columella trifolia* (Linn.) Merr. in *Philip. Journ. Sci.* **11** (1916) Bot. 134. *Vitis trifolia* Linn. *Sp. Pl.* (1753) 203; Miq. *Ann. Mus. Bot. Lugd.-Bat.* **1** (1863-64) 82. *Cissus carnosa* Lam. *Encycl.* **1** (1783) 31; Winkler in *Engl. Bot. Jahrb.* **44** (1910) 536. *Cayratia carnosa* Gagnep. in *Not. Syst.* **1** (1911) 347.

Sarawak, *Beccari 140*, *Hose 28!*; Dutch Borneo, *Korthals*, *Winkler 2245*; British North Borneo, *Clemens 11256!* India to southern China, through Malaya to New Guinea.

1. *Leea aculeata* Blume *Bijdr.* (1825) 137; Miq. *Ann. Mus. Bot. Lugd.-Bat.* **1** (1863-64) 99; C. B. Clarke in *Journ. Bot.* **19** (1881) 105; Winkler in *Engl. Bot. Jahrb.* **44** (1910) 537.

Dutch Borneo, *Korthals*, *Winkler 2133*; British North Borneo, *Villamil 221!* Nicobar Islands to Malaya and the Philippines.

2. *Leea aequata* Linn. *Mant.* **1** (1767) 124; Winkler in *Engl. Bot. Jahrb.* **44** (1910) 537.

Dutch Borneo, *Winkler 2144*. Malaya to the Philippines.

3. *Leea amabilis* Veitch *Cat.* (1882) 19; Mast. in *Gard. Chron.* **II 17** (1882) 492, *f.* 77; Hallier *f.* in *Ann. Jard. Bot. Buitenz.* **14** (1897) 241; *Kew Bull. Add. Series* **4** (1900) 234.

Introduced into cultivation from Borneo. Endemic.

4. *Leea indica* (Burm. f.) Merr. in *Philip. Journ. Sci.* **14** (1919) 245. *Staphylea indica* Burm. f. *Fl. Ind.* (1768) 72, *t.* 24, *f.* 2. *Aquilicia sambucina* Linn. *Mant.* **2** (1771) 211. *Leea*

Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 98; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 65; Winkler in Engl. Bot. Jahrb. 44 (1909) 537.

Dutch Borneo, *Korthals*, *Winkler* 2123a, 2144a, 2545, 2560; British North Borneo, *Gibbs* 2818, *Villamil* 296!, *Clemens* 10451!, 11252!; Sarawak, *Hose* 211 bis!, *Foxworthy* 86!, *Native collector* 249!, 253!, 1816!, 2475! *Bur. Sci.* India through Malaya to tropical Australia and Polynesia.

5. *Leea javanica* Blume Bijdr. (1825) 197; Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 100.

Dutch Borneo, *Korthals*. Malay Archipelago to the Philippines.

6. *Leea rubra* Blume Bijdr. (1825) 197; Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 96; C. B. Clarke in Journ. Bot. 19 (1881) 104.

Dutch Borneo, *Korthals*. India to Indo-China and Malaya.

7. *Leea sundaica* Miq. Fl. Ind. Bat. 1|2 (1858-59) 610, Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 96 (var. *fuliginosa* Miq.)

Dutch Borneo, *Korthals*. Java, Timor.

Elaeocarpaceae.

1. *Elaeocarpus acmosepalus* Stapf ex Ridl. in Journ. Str. Branch Roy. As. Soc. 75 (1917) 8.

Sarawak, *Beccari* 3433, *Haviland* 2035. Malay Peninsula.

2. *Elaeocarpus beccarii* Aug. DC. in Bull. Herb. Boiss., II 3 (1903) 367; Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 203.

Sarawak, *Beccari* 540!, *Native collector* 124!, 125!, 1500!, 1960! *Bur. Sci.*, Sarawak Museum 97!, 101! Endemic.

3. *Elaeocarpus castaneus* Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 199.

Sarawak, *Hose* 699! 110! Endemic.

4. *Elaeocarpus chrysophyllus* Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 192.

Sarawak, *Native collector* 1965! *Bur. Sci.* Endemic.

5. *Elaeocarpus clementis* Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 195.

British North Borneo, *Clemens* 11165!; Sarawak, *Native collector* 733!, 2766! *Bur. Sci.* Endemic.

6. *Elaeocarpus cupreus* Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 193.

Sarawak, *Native collector 1702!* *Bur. Sci.* Endemic.

7. ***Elaeocarpus dolichobotrys*** Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 198.

British North Borneo, *Clemens 10048!* Endemic.

8. ***Elaeocarpus elliptifolius*** Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 193.

British North Borneo, *Clemens 10783!* Endemic.

9. ***Elaeocarpus gambir*** Becc. Nelle Foreste di Borneo (1902) 594; Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 203. *Elaeocarpus stipularis* King in Journ. As. Soc. Beng. 60|2 (1891) 123, non Blume.

Sarawak, *Beccari 3886!, 3258!, 3191!, 3486!*, *Native collector 121!, 123!, 410!, 735!, 1501!, 2570!*, *Bur. Sci.*, *Hose 73!, 321!*, *Sarawak Museum 152!*, *Foxworthy 46!* Malay Peninsula, Billiton.

10. ***Elaeocarpus griffithii*** (Wight) Mast. in Hook. f. Fl. Brit. Ind. 1 (1874) 408; Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 201. *Monocera griffithii* Wight Ill. 1 (1841-50) 84.

Sarawak, *Native collector 1675!* *Bur. Sci.* Tenasserim to Indo-China, Malay Peninsula, Sumatra, Java.

11. ***Elaeocarpus hosei*** Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 197.

Sarawak, *Hose 25!, 273!*, *Native collector 2139!* *Bur. Sci.* Endemic.

12. ***Elaeocarpus littoralis*** Teysm. & Binn. Cat. Bogor. (1866) 390; Pierre Fl. Forest. Cochinch. 2: t. 141; Lecomte Fl. Gen. Indo-Chine 1 (1910) 569; Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 201. *Elaeocarpus obtusus* King in Journ. As. Soc. Beng. 60|2 (1891) 134, non Blume.

Sarawak, *Hose 292!*, *Native collector 360!* *Bur. Sci.* Burma, Malay Peninsula, Sumatra, Java.

13. ***Elaeocarpus longifolius*** Blume Bijdr. (1825) 120; Koord. & Val. Bijdr. Boomsort. Java 5 (1900) 414.

Borneo (?) *Korthals.* Java.

14. ***Elaeocarpus longipetiolatus*** Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 96.

British North Borneo, *Villamil 116*, *Clemens 9465!, 9508! 9634!*, *11146!* Endemic.

15. ***Elaeocarpus mastersii*** King in Journ. As. Soc. Beng. 60|2 (1891) 140; Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 202. *Elaeocarpus acronodia* Mast. in Hook. f. Fl. Brit. Ind. 1 (1874) 408, non *Acronodia punctata* Blume.

Sarawak, *Native collector* 1499!, 1942!, 2330! *Bur. Sci.*, *Sarawak Museum* 59!; British North Borneo, *Villamil* 208! Malay Peninsula.

16. ***Elaeocarpus nigropunctatus*** Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 196.

Sarawak, *Native collector* 734! *Bur. Sci.* Endemic.

17. ***Elaeocarpus octantherus*** Aug. DC. in Bull. Herb. Boiss. II 3 (1903) 367.

Sarawak, *Beccari* 3224! Endemic.

18. ***Elaeocarpus paniculatus*** Wall. Cat. (1831) No. 2663, *nomen nudum*, C. Muell. Adn. Fam. Elaeocarp. (1849) 12; Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 202. *Monoceras leucobotryum* Miq. Fl. Ind. Bat. Suppl. (1860-62) 409.

Sarawak, *Foxworthy* 38!, *Hose* 291!, *Native collector* 126!, 2153! *Bur. Sci.* Malay Peninsula, Banca.

19. ***Elaeocarpus pedunculatus*** Wall. Cat. (1831) No. 2678 p.p. *nomen nudum*; Mast. in Hook. f. Fl. Brit. Ind. 1 (1874) 408; King in Journ. As. Soc. Beng. 60|2 (1891) 132; Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 202.

Sarawak, *Foxworthy* 147!, *Hose* 538!; British North Borneo, *Villamil* 250 bis! Malay Peninsula, Penang, Singapore.

20. ***Elaeocarpus polystachyus*** Wall. Cat. (1831) No. 2671, *nomen nudum*; C. Muell. Adn. Fam. Elaeocarp. (1849) 12; Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 203.

Sarawak, *Sarawak Museum* 41! Malay Peninsula, Singapore.

21. ***Elaeocarpus sericeus*** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 137.

British North Borneo, Haviland 1111, Clemens 10702! Endemic.

22. ***Elaeocarpus winkleri*** Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 200.

Dutch Borneo, *Winkler* 3303!, Sarawak, *Sarawak Museum* 94! Endemic.

Gonystylaceae.

1. ***Gonystylus affinis*** Radlk. in Sitzungsber Akad. Munch. 16 (1886) 329; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 112. *Gonystylus beccarianus* Van. Tiegh. in Ann. Sci. Nat. Bot. VII 17 (1893) 245.

Sarawak, *Beccari* 1209, *Foxworthy* 66!, *Sarawak Museum* 100! Endemic.

2. **Gonystylus borneensis** (Van Tiegh.) Gilg. in Engl. & Prantl Nat. Pflanzenfam. Nachtr. 1 (1897) 232. *Asclerum borneense* Van Tiegh. in Ann. Sci. Nat. Bot. VII 17 (1893) 247.

Sarawak, *Beccari* 1589. Endemic.

3. **Gonystylus calophyllus** Gilg in Engl. & Prantl Nat. Pflanzenfam. Nachtr. 1 (1897) 232; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 112.

Sarawak, *Haviland* 998. Endemic.

4. **Gonystylus forbesii** Gilg in Engl. & Prantl Nat. Pflanzenfam. Nachtr. 1 (1897) 232; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 112.

Borneo, fide *Boerlage* l.c. Sumatra.

5. **Gonystylus pluricornis** Radlk. in Sitzungsber. Akad. Munch. 16 (1886) 329; Boerl. Handl. Fl. Nederl. Ind. 3 (1900) 112. *Amyxia kutcinensis* Van Tiegh. in Ann. Sci. Nat. Bot. VII 17 (1893) 248.

Sarawak, *Beccari* 1563. Endemic.

Tiliaceae.

1. **Brownlowia beccarii** (Mast.) Pierré Fl. Forest. Cochinch. 2 (1889) sub *t.* 130. *Dialycarpa beccarii* Mast. in Journ. Linn. Soc. Bot. 14 (1875) 506, *t.* 14, *f.* 1, 2.

Sarawak, *Beccari* 2473. Endemic.

2. **Brownlowia cuspidata** Pierre Fl. Forest. Cochinch. 2 (1889) sub *t.* 130.

Borneo, *Low*. Endemic.

3. **Brownlowia havilandii** Stapf in Kew Bull. (1909) 257. Sarawak, *Haviland* 893. Endemic.

4. **Brownlowia peltata** Benth. in Journ. Linn. Soc. 5 (1861) Suppl. 56; Pierre Fl. Forest. Cochinch. 2 (1889) sub *t.* 130.

Borneo, *Motley*. Endemic.

5. **Brownlowia sarawhensis** Pierre Fl. Forest. Cochinch. 2 (1889) sub *t.* 130.

Sarawak, *Beccari* 167. Endemic.

1. **Corchorus capsularis** Linn. Sp. Pl. (1753) 529; Becc. Nelle Foreste di Borneo (1902) 593, 596; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 62.

Sarawak, *Beccari*; British North Borneo, *Gibbs* 2732, *Clemens* 9732! Pantropic: *C. acutangulus* Lam. and *C. olitorius* Linn. doubtless also occur in Borneo but I have seen no specimens.

1. **Schoutenia accrescens** (Mast.) comb. nov. *Chartacalyx accrescens* Mast. in Hook. f. Fl. Brit. Ind. **1** (1874) 382. *Schoutenia mastersii* King in Journ. As. Soc. Beng. **60** 2 (1891) 106.

Borneo, fide *Masters* l.c. Malay Peninsula.

2. **Schoutenia ovata** Korth. in Nederl. Kruidk. Arch. **1** (1848) 313.

Dutch Borneo, *Korthals!* Java.

1. **Trichospermum javanicum** Blume Bijdr. (1825) 57.

British North Borneo, *Clemens 9819!* Java.

1. **Grewia acuminata** Juss. in Ann. Mus. Paris 4 (1804) 91.

Sarawak, *Native collector 133!*, 872!, 2554! *Bur. Sci.*; British North Borneo, *Clemens 9542!*, 9910!, 10151! Malay Peninsula and Archipelago to the Philippines.

2. **Grewia florida** Miq. Fl. Ind. Bat. Suppl. (1860-62) 405, Gagnep. in Not. Syst. **1** (1910) 132. *Grewia laurifolia* Hook. f. Fl. Brit. Ind. **1** (1874) 392.

Borneo, fide *Gagnepain* l.c. Malay Peninsula, Sumatra.

3. **Grewia globulifera** Mast. in Hook. f. Fl. Brit. Ind. **1** (1874) 391.

Sarawak, *Sarawak Museum T, 2, 3!* Malay Peninsula.

4. **Grewia omphacarpa** Miq. Fl. Ind. Bat. **1** 2 (1858-59) 204; Walp. Ann. **7** (1868) 443. *Omphacarpus hirsutus* Korth. Verh. Nat. Gesch. Bot. (1839-42) 194, t. 42, Flora **31** (1848) 580; Walp. Ann. **2** (1850-51) 172.

Dutch Borneo, *Korthals!*; British North Borneo, *Clemens 10310!*; Sarawak, *Native collector 101!*, 471!, 1704!, 1851! *Bur. Sci.*, *Hose 626!*, *Foxworthy 329!* Endemic.

5. **Grewia opaca** (Korth.) Miq. Fl. Ind. Bat. **1** 2 (1858-59) 204; Walp. Ann. **7** (1868) 443; Gagnep. in Not. Syst. **1** (1910) 131. *Omphacarpus opacus* Korth. Verh. Nat. Gesch. Bot. (1839-42) 193, Flora **31** (1848) 580; Walp. Ann. **1** (1850-51) 172.

Dutch Borneo, *Korthals!* Endemic.

6. **Grewia stylocarpa** Warb. var. **longipetiolata** Merr. in Journ. Str. Branch Roy. As. Soc. **76** (1917) 97.

British North Borneo, *Villamil 243!* Philippines (the species).

1. **Columbia borneensis** Merr. in Journ. Str. Branch Roy. As. Soc. **76** (1917) 98.

British North Borneo, *Clemens 9786!* Endemic.

2. **Columbia serratifolia** (Cav). DC. Prodr. **1** (1824) 512.

Sarawak, *Native collector* 1600!, 2194! *Bur. Sci.* Philippines.

1. **Triumfetta bartramia** Linn. Syst. ed. 10 (1759) 1044. *Triumfetta rhomboidea* Jacq. Enum. Pl. Carib. (1762) 22, Stirp. Am. Hist. (1763) 147, t. 90; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 136.

British North Borneo, *Haviland* 1354; Sarawak, *Native collector* 1365!, 2340! *Bur. Sci.* Pantropic.

2. **Triumfetta repens** (Blume) Merr. & Rolfe in Philip. Journ. Sci. 3 (1908) Bot. 111. *Triumfetta subpalmata* Soland. ex Hemsl. in Journ. Bot. 28 (1890) 2, t. 293, f. 1. *Triumfetta radicans* Bojer in Ann. Sci. Nat. II 20 (1843) 103; Gagnep. in Not. Syst. I (1910) 172.

British North Borneo, *Fraser*; Sarawak, *Foxworthy* 272! Madagascar through Malaya and the Philippines to Indo-China and North Eastern Australia, on sandy sea shores.

3. **Triumfetta suffruticosa** Blume Bijdr. (1825) 113; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 136; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 62.

British North Borneo, *Haviland* 1348, *Gibbs* 2988, *Clemens* 10088! Malay Archipelago to the Solomon Islands.

Malvaceae.

1. **Abutilon indicum** (Linn.) Sweet Hort. Brit. (1827) 54. British North Borneo, *Clemens* 9545! Tropics of the Old World.

1. **Sida acuta** Burm. f. Fl. Ind. (1768) 147.

British North Borneo, *Clemens* 9650!, *Villamil* 318!; Sarawak, *Native collector* 849!, 2513! *Bur. Sci.* Pantropic.

2. **Sida rhombifolia** Linn. Sp. Pl. (1753) 684; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 60.

British North Borneo, *Gibbs* 2633. Pantropic.

1. **Urena lobata** Linn. Sp. Pl. (1753) 692; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 61.

British North Borneo, *Gibbs* 2626, *Clemens* 11243!; Sarawak, *Hose* 343!, *Native collector* 2158! *Bur. Sci.* Pantropic.

1. **Hibiscus mutabilis** Linn. Sp. Pl. (1753) 694.

British North Borneo, *Clemens* 9584! Pantropic in cultivation.

2. **Hibiscus rosa-sinensis** Linn. Sp. Pl. (1753) 694.

British North Borneo, *Villamil* 150! Pantropic in cultivation.

3. **Hibiscus surattensis** Linn. Sp. Pl. (1753) 696.

British North Borneo, *Yates 10!* Widely distributed in the tropics of the Old World.

4. **Hibiscus tiliaceus** Linn. Sp. Pl. (1753) 694.

Sarawak, *Hose 561!*, *Native collector 1651!*, *2283!* *Bur. Sci.* Pantropic, usually along the seashore.

1. **Abelmoschus moschatus** Medik. Malv. (1787) 46. *Hibiscus abelmoschus* Linn. Sp. Pl. (1753) 696; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 136; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 61.

British North Borneo, *Burbidge, Gibbs 2655, Yates 51!*, *Clemens 9919!*; Sarawak, *Native collector 2046!* *Bur. Sci.* Pantropic.

1. **Thespesia lampas** (Cav.) Dalz. & Gibs. Bomb. Fl. (1861) 19; Baker in Journ. Bot. 35 (1897) 52.

Borneo, fide *Baker l.c.* India to Malaya and the Philippines.

2. **Thespesia populnea** (Linn.) Soland. ex Corr. in Ann. Mus. Paris 9 (1807) 290.

Sarawak, *Native collector 2373!* *Bur. Sci.* Along the seashore, tropics of the Old World.

1. **Gossypium brasiliense** Macf. Fl. Jam. 1 (1837) 72.

British North Borneo, *Clemens 10123!* Pantropic in cultivation; doubtless other species of cotton (*Gossypium*) are cultivated in Borneo.

Bombacaceae.

1. **Ceiba pentandra** (Linn.) Gaertn. Fruct. 2 (1891) 244, t. 133. *Eriodendron anfractuosum* DC. Prodr. 1 (1824) 479; Korth. in Nederl. Kruidk. Arch. 1 (1848) 302; Becc. Nelle Foreste di Borneo (1902) 593.

Dutch Borneo, *Korthals*; Sarawak, *Beccari*; British North Borneo, *Clemens 9615!*, *11246!* Pantropic.

1. **Camptostemon philippinense** (Vid.) Becc. Malesia 3 (1889) 273. *Cumingia philippinensis* Vid. Phan. Cuming. Philip. (1885) 212, t. 1.

British North Borneo, *Foxworthy 616!* Philippines; a genus of two known species, the other Australian.

1. **Durio affinis** Becc. Malesia 3 (1889) 246, t. 24. *Durio malaccensis* Mast. in Mast. in Journ. Linn. Soc. Bot. 14 (1875) 501, as to the Bornean reference.

Sarawak. *Beccari 852.* Endemic.

2. **Durio carinatus** Mast. in Journ. Linn. Soc. Bot. 14 (1875) 499; Becc. Malesia 3 (1899) 238, t. 17, 18.
Sarawak, *Beccari* 600, 3086.
- Var. **bintulensis** Becc. Malesia 3 (1889) 241.
Sarawak, *Beccari* 4019. Endemic.
3. **Durio conicus** Becc. Malesia 3 (1889) 241, t. 25; Nelle Foreste di Borneo (1902) 572.
Sarawak, *Beccari* 2589, 2563, 2589. Endemic.
4. **Durio dulcis** Becc. Malesia 3 (1889) 243.
Sarawak, *Beccari* 2921. Endemic.
5. **Durio gratissimus** Becc. Malesia 3 (1889) 244, t. 22.
Sarawak, *Beccari*. Endemic.
6. **Durio graveolens** Becc. Malesia 3 (1889) 242, t. 26.
Sarawak, *Beccari* 3088. Endemic.
7. **Durio kutejensis** (Hassk.) Becc. Malesia 3 (1889) 251, t. 21. *Lahia kutejensis* Hassk. Cat. Hort. Bogor. (1844) 100; Miq. Fl. Ind. Bat. 1|2 (1858-59) 168; Mast. in Journ. Linn. Soc. Bot. 14 (1875) 502.
Dutch Borneo, *De Groot*. Endemic.
8. **Durio lanceolatus** Mast. in Journ. Linn. Soc. Bot. 14 (1875) 499; Becc. Malesia 3 (1899) 250, t. 20.
Sarawak, *Beccari* 2610. Endemic.
9. **Durio lissocarpus** Mast. in Journ. Linn. Soc. Bot. 14 (1875) 501.
Sarawak, *Beccari* 427. Endemic.
10. **Durio oblongus** Mast. in Journ. Linn. Soc. Bot. 14 (1875) 500; Becc. Malesia 3 (1889) 248, t. 15, 16.
Sarawak, *Beccari* 616, 855, 1204, 2921, 3088. Endemic.
11. **Durio testudinarum** Becc. Malesia 2 (1889) 244, t. 13, 14, t. 36, f. 17-19; King in Journ. As. Soc. Beng. 60|2 (1891) 52.
Sarawak, *Beccari* 1944, 2590. Malay Peninsula.
12. **Durio zibethinus** Murr. Syst. (1774) 591; Korth. in Nederl. Kruidk. Arch. 1 (1848) 303; Miq. Fl. Ind. Bat. 1|2 (1858-59) 167; Mast. in Journ. Linn. Soc. Bot. 14 (1875) 501; Becc. Malesia 3 (1887) 230, t. 12, f. 1-5, t. 36, f. 1-12; Nelle Foreste di Borneo (1902) 572, 598, f. 23.
Dutch Borneo, *Korthals*; Sarawak, *Beccari*; British North Borneo, *Clemens* 9965! The durian, widely cultivated in Malaya and the southern Philippines.

1. *Neesia ambigua* Becc. Malesia 3 (1889) 261, t. 30, f. 1, Nelle Foreste di Borneo (1902) 573.
Sarawak, *Beccari 3087*. Endemic.
2. *Neesia glabra* Becc. Malesia 3 (1889) 263, t. 31, f. 2-4.
Sarawak, *Beccari 2507, 2276, 1990*. Endemic.
3. *Neesia piluliflora* Becc. Malesia 3 (1889) 267.
Sarawak, *Beccari 2934, 2037*. Endemic.
4. *Neesia purpurascens* Becc. Malesia 3 (1889) 264.
Sarawak, *Beccari 1386*. Endemic.
5. *Neesia strigosa* Mast. in Journ. Linn. Soc. Bot. 14 (1875) 504; Becc. Malesia 3 (1889) 265.
Sarawak, *Beccari 3253*. Endemic.
1. *Boschia acutifolia* Mast. in Journ. Linn. Soc. Bot. 14 (1875) 503; Becc. Malesia 3 (1889) 256, t. 36, f. 13-16.
Sarawak, *Beccari 765, 730, 2600, 2371, Foxworthy 48!* Endemic.
2. *Boschia excelsa* Korth. Verh. Nat. Gesch. Bot. (1839-42) 258, t. 69; Mast. in Journ. Linn. Soc. Bot. 14 (1875) 503; Miq. Fl. Ind. Bat. 1|2 (1858-59) 168, Becc. Malesia 3 (1889) 254.
Dutch Borneo, *Korthals!*; Sarawak, *Beccari 2522*. Sumatra.
3. *Boschia grandiflora* Mast. in Journ. Linn. Soc. Bot. 14 (1875) 502, t. 15, f. 21-28; Becc. Malesia 3 (1889) 255.
Sarawak, *Beccari 1620*. Endemic.
1. *Coelostegia borneensis* Becc. Malesia 3 (1889) 272, t. 29, f. 3-4, Nelle Foreste di Borneo (1902) 572.
Sarawak, *Beccari 2688*. Endemic.

Sterculiaceae.

1. *Melochia concatenata* Linn. Sp. Pl. (1753) 675. *Melochia corchorifolia* Linn. Sp. Pl. (1753) 675. *Riedelia concatenata* DC.; Miq. Fl. Ind. Bat. 1|2 (1858-59) 188.
Borneo, fide *Miquel* l.c.; British North Borneo, *Clemens 9537!*, *Yates 72!* Pantropic.
2. *Melochia umbellata* (Houtt.) Stapf in Kew Bull. (1913) 317; Merr. in Philip. Journ. Sci. 9 (1914) Bot. 315. *Visenia indica* Houtt.; Miq. Fl. Ind. Bat. 1|2 (1858-59) 189. *Melochia arborea* Blanco; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 62.
British North Borneo, *Gibbs 2645, Clemens 9850!*, *Villamil 320!* India to Mauritius and Malaya.

1. **Commersonia bartramia** (Linn.) Merr. Interpret. Herb. Amb. (1917) 362. *Commersonia echinata* Forst. Char. Gen. (1776) 44, t. 22; Miq. Fl. Ind. Bat. 1|2 (1858-59) 182; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 62.

British North Borneo, *Gibbs 2718, 2594, Clemens 9619!, Villamil 127!, 309!*; Sarawak, *Haviland!, Native collector 1591!* *Bur. Sci.* India, through Malaya to tropical Australia and Polynesia.

1. **Buettneria lancifolia** Hook. f. in Trans. Linn. Soc. 23 (1860) 158.

Borneo, *Lobb.* Endemic.

2. **Buettneria reinwardtii** Korth. in Nederl. Kruidk. Arch. 1 (1848) 310; Miq. Fl. Ind. Bat. 1|2 (1858-59) 184, Ill. Fl. Archip. Ind. (1871) 90.

Dutch Borneo, *Korthals.* Endemic.

1. **Leptonychia heteroclita** (Roxb.) Kurz in Journ. As. Soc. Beng. 39|2 (1870) 67. *Leptonychia glabra* Turcz. in Bull. Soc. Nat. Mosc. 31|1 (1851) 223; King in Journ. As. Soc. Beng. 60|2 (1891) 94; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 62.

British North Borneo, *Gibbs 2804, Clemens 11152!*; Sarawak, *Native collector 1894!* *Bur. Sci., Sarawak Museum s.n.!* Burma and Indo-China to the Andamans, Sumatra, and Celebes.

1. **Abroma fastuosa** Jacq. Hort. Vind. 3 (1776) 3, t. 1.

British North Borneo, *Villamil 326!* Tropical Asia to Australia and Polynesia.

1. **Guazuma tomentosa** HBK. Nov. Gen. Sp. Pl. (1821) 32; Miq. Fl. Ind. Bat. 1|2 (1858-59) 185.

Dutch Borneo, *Korthals.* A native of tropical America, introduced in the Old World.

1. **Pterospermum acerifolium** Willd. Sp. Pl. 3 (1800) 729; Miq. Ill. Fl. Archip. Ind. (1871) 84.

Dutch Borneo, *Korthals.* India to Sumatra and Java.

2. **Pterospermum blumeanum** Korth. in Nederl. Kruidk. Arch. 1 (1848) 312; Walp. Ann. 2 (1850-51) 168; Miq. Fl. Ind. Bat. 1|2 (1858-59) 192, King in Journ. As. Soc. Beng. 60|2 (1891) 84.

Dutch Borneo, *Korthals.* Burma, Malay Peninsula, Sumatra, Java.

3. **Pterospermum elongatum** Korth. in Nederl. Kruidk. Arch. 1 (1848) 312; Walp. Ann. 2 (1850-51) 168; Miq. Fl. Ind. Bat. 1|2 (1858-59) 192, Ill. Archip. Ind. (1871) 86.

Dutch Borneo, *Korthals.* Endemic.

4. **Pterospermum fuscum** Korth. in Nederl. Kruidk. Arch. 1 (1848) 312; Miq. Fl. Ind. Bat. 1|2 (1858-59) 192.

Dutch Borneo, *Korthals*. Endemic.

1. **Helicteres angustifolia** Linn. Sp. Pl. (1753) 963. *Helicteres integerrima* Korth. in Nederl. Kruidk. Arch. 1 (1848) 303; Walp. Ann. 2 (1850-51) 159. *Oudemansia korthalsii* Miq. Fl. Ind. Bat. 1|2 (1858-59) 170.

Dutch Borneo, *Winkler 3391!*, *Korthals*. Burma to China, Malaya and the Caroline Islands.

2. **Helicteres hirsuta** Lour. Fl. Cochinch. (1790) 530.

Dutch Borneo, *Winkler 3093!* India to Malaya.

1. **Kleinhovia hospita** Linn. Sp. Pl. ed. 2 (1763) 1365; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 61.

British North Borneo, *Gibbs 2621*, *Villamil 301!* India to the Mascarene Islands, through Malaya to New Guinea.

1. **Sterculia blumei** G. Don Gen. Syst. 1 (1831) 515; Miq. Fl. Ind. Bat. 1|2 (1858-59) 174.

Dutch Borneo, *Korthals*. Sumatra, Java.

2. **Sterculia foetida** Linn. Sp. Pl. (1753) 1008; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 61.

British North Borneo, *Gibbs 4328*. Tropical East Africa and Asia to tropical Australia.

3. **Sterculia gracilis** Korth. in Nederl. Kruidk. Arch. 1 (1848) 306; Walp. Ann. 2 (1851-52) 160; Miq. Fl. Ind. Bat. 1|2 (1858-59) 177; Pierre Fl. Forest. Cochinch. t. 193, f. H; Boerl. in Ic. Bogor. 1 (1897) t. 3.

Dutch Borneo, *Korthals*. Endemic.

4. **Sterculia lanceolata** Cav. Diss. 5 (1785-90) 287; Korth. in Nederl. Kruidk. Arch. 1 (1848) 305.

Dutch Borneo, *Korthals*. Southern China to Malaya.

5. **Sterculia linearis** Korth. in Nederl. Kruidk. Arch. 1 (1848) 305; Walp. Ann. 2 (1850-51) 159; Miq. Fl. Ind. Bat. 1|2 (1858-59) 175.

Endemic.

6. **Sterculia longifolia** Vent. Jard. Malm. 2 (1804) sub t. 91; Korth. in Nederl. Kruidk. Arch. 1 (1848) 305; Miq. Fl. Ind. Bat. 1|2 (1858-59) 173.

Dutch Borneo, *Korthals*. Java.

7. **Sterculia macrophylla** Vent. Jard. Malm. 2 (1804) sub t. 91; King in Journ. As. Soc. Beng. 60|2 (1891) 63.

Borneo, fide *King l.c.* Malay Peninsula, Java.

8. *Sterculia obscura* K. Schum. in Engl. Bot. Jahrb. 24 (1898) Beibl. 58: 15.

Sarawak, *Beccari 2157*. Endemic.

9. *Sterculia pachyclados* K. Schum. in Engl. Bot. Jahrb. 24 (1898) Beibl. 58: 17.

Sarawak, *Beccari 1347*. Endemic.

10. *Sterculia purpurascens* Korth. in Nederl. Kruidk. Arch. 1 (1848) 306; Walp. Ann. 2 (1850-51) 160; Miq. Fl. Ind. Bat. 1|2 (1858-59) 177.

Dutch Borneo, *Korthals*. Endemic.

11. *Sterculia rhynchophylla* K. Schum. in Engl. Bot. Jahrb. 24 (1898) Beibl. 58: 16.

Sarawak, *Beccari 3628*. Endemic.

12. *Sterculia rubiginosa* Vent. Jard. Malm. 2 (1804) sub. t. 91; K. Schum. in Engl. Bot. Jahrb. 24 (1898) Beibl. 58: 17.

Sarawak, *Beccari 679*. Burma to Malaya.

13. *Sterculia rufa* Korth. in Nederl. Kruidk. Arch. 1 (1848) 307; Walp. Ann. 2 (1850-51) 160; Miq. Fl. Ind. Bat. 1|2 (1858-59) 177; K. Schum. in Engl. Bot. Jahrb. 24 (1898) Beibl. 58: 17.

Dutch Borneo, *Korthals*; Sarawak, *Beccari 3480*. Endemic.

14. *Sterculia stipulata* Korth. in Nederl. Kruidk. Arch. 1 (1848) 306; Walp. Ann. 2 (1850-51) 160; Miq. Fl. Ind. Bat. 1|2 (1858-59) 177; K. Schum. in Engl. Bot. Jahrb. 24 (1898) Beibl. 58: 17.

Dutch Borneo, *Korthals*; Sarawak, *Beccari 3788*. Endemic.

15. *Sterculia translucens* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 136; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 61.

British North Borneo, *Haviland 1196*, *Gibbs 4110*. Endemic.

1. *Pterygota trinervia* K. Schum. in Engl. Bot. Jahrb. 24 (1898) Beibl. 58: 20.

Sarawak, *Beccari 2596*, *3195*. Endemic.

1. *Firmiana beccariana* Pierre Fl. Forest. Cochinch. 2: t. 200; K. Schum. in Engl. Bot. Jahrb. 24 (1898) Beibl. 58: 21. *Scaphium beccarianum* Pierre op. cit. sub. t. 195C. *Sterculia beccariana* Pierre op. cit. sub. t. 201.

Sarawak, *Beccari 2286*, *2479*. Endemic.

2. *Firmiana colorata* (Roxb.) R. Br. in Benn. Pl. Jav. Rar. (1844) 235; Miq. Fl. Ind. Bat. 1|2 (1858-59) 178. *Sterculia colorata* Roxb.; Korth. in Nederl. Kruidk. Arch. 1 (1848) 306.

Dutch Borneo, *Korthals*. India to Java.

1. **Tarrietia borneensis** Merr. in Philip. Journ. Sci. 13 (1918) Bot.

British North Borneo, *Villamil* 3.

1. **Pterocymbium javanicum** R. Br. in Benn. Pl. Jav. Rar. (1844) 219, t. 45. *Sterculia campanulata* Wall. ex Mast. in Hook. f. Fl. Brit. Ind. 1 (1874) 362; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 61.

British North Borneo, *Gibbs* 4346. Pegu, Malay Peninsula, Java.

1. **Heritiera littoralis** Dryand in Ait. Hort. Kew. 3 (1789) 546; Miq. Fl. Ind. Bat. 1|2 (1858-59) 179; Becc. Nelle Foreste di Borneo (1902) 573.

Sarawak, *Beccari*, *Foxworthy* 20!, *Sarawak Museum* 199!, *Native collector* 2303! *Bur. Sci.*; British North Borneo, *Clemens* 9754! Along the seashore, tropical Asia to Polynesia.

1. **Covilhamia ovata** Korth. in Nederl. Kruidk. Arch. 1 (1848) 307; Walp. Ann. 2 (1850-51) 160; Miq. Fl. Ind. Bat. 1|2 (1858-59) 180.

Dutch Borneo, *Korthals*. An endemic monotypic genus.

Dilleniaceae.

1. **Tetracera axillaris** Martelli in Becc. Malesia 3 (1886) 151; Ridl. in Sarawak Mus. Journ. 1 (1913) 68.

Sarawak, *Beccari* 1077, 2844. Endemic.

2. **Tetracera borneensis** Miq. in Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 76; Martelli in Becc. Malesia 3 (1886) 153; Ridl. in Sarawak Mus. Journ. 1 (1913) 69.

Sarawak, *Beccari* 2981, 3398; Dutch Borneo, *Korthals*. Endemic.

3. **Tetracera glaberrima** Martelli in Becc. Malesia 3 (1886) 150; Ridl. in Sarawak, Mus. Journ. 1 (1913) 68.

Sarawak, *Beccari* 298. Endemic.

4. **Tetracera havilandii** Ridl. in Kew Bull. (1912) 381, Sarawak Mus. Journ. 1 (1913) 69.

Sarawak, *Haviland* 184. Endemic.

5. **Tetracera korthalsii** Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 75; Ridl. in Sarawak Mus. Journ. 1 (1913) 70.

Dutch Borneo, *Korthals*. Endemic.

6. **Tetracera laevigata** Miq. Fl. Ind. Bat. 1|2 (1858-59) 8, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 74.

Dutch Borneo, *Korthals*; Sarawak, *Haviland 2247, 1739*. Endemic. *Tertracera laevis* Vahl is reported from Borneo by Miquel, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 74, but the record is doubtless based on a misidentification of De Vriese's specimen as noted by Ridley; Vahl's species is Indian.

7. **Tetracera radula** Martelli in Becc. Malesia 3 (1886) 153; Ridl. in Sarawak Mus. Journ. 1 (1913) 69.

Dutch Borneo, *Beccari 3448*. Endemic.

8. **Tetracera scaberrima** Miq. Fl. Ind. Bat. 1|2 (1858) 9.

Sarawak, *Native collector 120!* *Bur. Sci.* Sumatra.

9. **Tetracera scandens** (Linn.) Merr. Interpret. Herb. Amb. (1917) 365. *Delima sarmentosa* Linn.; Ridl. in Sarawak Mus. Journ. 1 (1913) 68.

Borneo, *Creagh, Motley, Clemens 9971!* Tropical Asia and Malaya.

10. **Tetracera scabricaulis** Ridl. in Kew Bull. (1912) 381; Sarawak Mus. Journ. 1 (1913) 69.

British North Borneo, *Creagh*. Endemic.

11. **Tetracera sylvestris** Ridl. in Journ. Str. Branch Roy. As. Soc. 54 (1909) 8; Sarawak Mus. Journ. 1 (1913) 68.

Borneo, *Motley 813*. Malay Peninsula.

1. **Acrotrema costatum** Jack in Malay Miscel. 1|5 (1820) 36.

Sarawak, *Native collector 2249!* *Bur. Sci.* Malay Peninsula, Penang.

1. **Didesmandra aspera** Stapf in Hook. Ic. IV 7 (1900) t. 2646; Ridl. in Sarawak Mus. Journ. 1 (1913) 70.

Sarawak, *Haviland's collection 2324*. A monotypic endemic genus.

1. **Dillenia aurea** Smith Exot. Bot. 2 (1805) 65, t. 92; Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 80; Becc. Malesia 3 (1886) 155; Ridl. in Sarawak Mus. Journ. 1 (1913) 70.

Dutch Borneo, *Korthals*; Sarawak, *Beccari 4064*. India to Malaya.

2. **Dillenia beccariana** Martelli in Becc. Malesia 3 (1886) 158. *Wormia beccariana* Ridl. in Sarawak Mus. Journ. 1 (1913) 71.

Sarawak, *Beccari 134, 3076, 497, Haviland 2047, 3076*. Endemic.

3. *Dillenia crassisepala* Martelli in Becc. Malesia 3 (1886) 156; Ridl. in Sarawak Mus. Journ. 1 (1913) 70.

Sarawak, *Beccari 2554, Haviland 1517*. Endemic.

4. *Dillenia excelsa* (Jack) Gilg. in Engl. & Prantl Nat. Pflanzenfam. 3|6a (1893) 123. *Wormia excelsa* Jack. in Malay Misc. 2|7 (1822) 69; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 56.

British North Borneo, *Gibbs 2806, Villamil 25!, 240!, Agama 434!*; Sarawak, *Hose 250!*

Var. *borneensis* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 77; Martelli in Becc. Malesia 3 (1887) 164.

Dutch Borneo, *Korthals*. Malay Peninsula, Sumatra, Java.

5. *Dillenia eximia* Miq. Fl. Ind. Bat. Suppl. (1860-62) 620, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 79; Ridl. in Sarawak Mus. Journ. 1 (1913) 71.

Dutch Borneo, *Korthals*. Sumatra.

6. *Dillenia glabra* Martelli in Becc. Malesia 3 (1886) 157. Sarawak, *Beccari 3940*. Endemic.

7. *Dillenia indica* Linn. Sp. Pl. (1753) 535; Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 79; Martelli in Becc. Malesia 3 (1886) 154; Ridl. in Sarawak Mus. Journ. 1 (1913) 70.

Sarawak, *Beccari 2828, Ridley*; Dutch Borneo, *Korthals*. India to Malaya.

8. *Dillenia mattanensis* Martelli in Becc. Malesia 3 (1886) 160.

Sarawak, *Beccari 2566*. Endemic.

9. *Dillenia micrantha* Martelli in Becc. Malesia 3 (1886) 156.

Sarawak, *Beccari 514*. Endemic.

10. *Dillenia ovata* Wall. Cat. (1829) No. 945; Martelli in Becc. Malesia 3 (1886) 166.

Borneo, fide *Martelli* l.c. Siam and Cochinchina to the Malay Peninsula and Penang.

11. *Dillenia parvifolia* Martelli in Becc. Malesia 3 (1886) 158; Becc. Nelle Foreste di Borneo (1902) 568.

Sarawak, *Beccari 3177, 4065, Native collector 2406! Bur. Sci., Sarawak Museum 33!* Endemic.

12. *Dillenia pulchella* (Jack) Gilg in Engl. & Prantl Nat. Pflanzenfam. 3|6 (1893) 123 *Wormia pulchella* Jack in Malay Miscel. 2|7 (1882) 70.

Sarawak, *Sarawak Museum* 137! Malay Peninsula, Sumatra.

13. *Dillenia suffruticosa* (Griff.) Martelli in Becc. Malesia 3 (1886) 163. *Wormia suffruticosa* Griff Notul. 4 (1854) 706; King in Journ. As. Soc. Beng. 58|2 (1889) 364; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 56; Martelli in Becc. Malesia 3 (1887) 163. *Wormia subsessilis* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 77; Ridl. in Sarawak Mus. Journ. 1 (1913) 71. *Wormia burbidgei* Hook. f. in Curtis's Bot. Mag. III 36 (1880) t. 6531; Martelli in Becc. Malesia 3 (1887) 163; Kew Bull. Add. Series 4 (1900) 406.

Labuan, *Low*; Brunei, *Beccari* 4067, Sarawak *Native collector* 557!, 439! *Bur. Sci.*, *Beccari* 175, 192, *Ridley*; British North Borneo, *Creagh*, *Burbidge*, *Gibbs* 2930, *Clemens* 9458!, 9504!, *Topping* 1354!, *Villamil* 148!

Var. *borneensis* Ridl. in Sarawak Mus. Journ. 1 (1913) 71. *Wormia subsessilis* Miq. var. *borneensis* Ridl. in Journ. Str. Branch Roy. As. Soc. 54 (1910) 4.

Sarawak, *Ridley*, *Haviland* 210; British North Borneo, *Fraser*. Malay Peninsula, Sumatra, Banca, Billiton.

14. *Dillenia tomentella* Martelli in Becc. Malesia 3 (1886) 159. *Wormia tomentella* Ridl. in Journ. Str. Branch Roy. As. Soc. 54 (1910) 5.

Sarawak, *Beccari* 1193, 1271. Malay Peninsula.

1. *Saurauia actinidifolia* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 135.

British North Borneo, *Haviland* 1232, *Clemens* 9856!, 10943!, 10380!, *Topping* 1548! Endemic.

2. *Saurauia acuminata* Merr. in Philip. Journ. Sci. 13 (1918) Bot. 85.

British North Borneo, *Villamil* 220! Endemic.

3. *Saurauia amoena* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 134. Merr. in Journ. Str. Branch Roy. As. Soc. 79 (1918) 31.

British North Borneo, *Haviland* 1361. Endemic.

4. *Saurauia angustifolia* Becc. Nelle Foreste di Borneo (1902) 524, t. 65, 9, without description.

Sarawak, *Beccari* 3774. Endemic.

5. *Saurauia borneensis* Merr. in Philip. Journ. Sci. 13 (1918) Bot. 86.

British North Borneo, *Villamil* 222! Endemic.

6. *Saurauia excavata* Korth. Verh. Nat. Gesch. Bot. (1839-42) 130; Walp. Repert. 1 (1842) 371; Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 110.

Dutch Borneo, *Korthals*. Endemic.

7. *Saurauia ferox* Korth. Verh. Nat. Gesch. Bot. (1839-42) 132, t. 30; Walp. Repert. 1 (1842) 371; Miq. Fl. Ind. Bat. 1|2 (1858-59) 482, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 107; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 134; Gibbs. in Journ. Linn. Soc. Bot. 42 (1914) 60. Merr. in Journ. Str. Branch Roy. As. Soc. 79 (1918) 31. *Scapha ferox* Choisy in Mem. Soc. Phys. Hist. Nat. Geneve 14 (1885) 119.

Dutch Borneo, *Korthals*, *Hallier*, *Motley* 332; Sarawak, *Beccari* 95, 131, 1021; *Haviland s.n.!*, *Native collector* 1072!, 2053! *Bur. Sci.* British North Borneo, *Gibbs* 2866, 2966, 3008. Endemic.

8. *Saurauia glabra* Merr. in Journ. Str. Branch Roy. As. Soc. 79 (1918) 31.

Sarawak, *Haviland s.n.!* 1004! *Native collector* 256! 555C! 2495! *Bur. Sci.* Endemic.

9. *Saurauia havilandii* Merr. in Journ. Str. Branch Roy. As. Soc. 79 (1918) 34.

Sarawak, *Haviland!* Endemic.

10. *Saurauia heterosepala* Merr. in Philip. Journ. Sci. 13 (1918) Bot. 87.

British North Borneo, *Clemens* 9812! Sarawak, *Haviland* 27! *s.n.!* Endemic.

11. *Saurauia horrida* Hook. f. in Trans. Linn. Soc. 23 (1860) 162; Walp. Ann. 7 (1868) 365.

Borneo, *Motley*. Endemic.

12. *Saurauia hosei* Merr. in Philip. Journ. Sci. 13 (1818) Bot. 87.

Sarawak, *Hose* 552! Endemic.

13. *Saurauia kinibaluensis* Merr. in Philip. Journ. Sci. 13 (1918) Bot. 88.

British North Borneo, *Clemens* 10458! Endemic.

14. *Saurauia longipetiolata* Merr. in Philip. Journ. Sci. 13 (1918) Bot. 89.

British North Borneo, *Clemens* 10496! Endemic.

15. *Saurauia matthewsii* Merr. in Philip. Journ. Sci. 13 (1918) Bot. 90.

British North Borneo, *Villamil* 386! Endemic.

16. *Saurauia media* Korth. Verh. Nat. Gesch. Bot. (1839-42) 125; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 60.

British North Borneo, *Gibbs* 3974. Sumatra.

17. *Saurauia mymecoidea* Merr. in Philip. Journ. Sci. 13 (1918) Bot. 91.

Sarawak, *Native collector* 2838!, 2797!, 2579! *Bur. Sci.* Endemic.

18. *Saurauia nigrescens* Korth. Verh. Nat. Gesch. Bot. (1839-42) 128; Walp. Repert. 1 (1842) 371; Miq. Fl. Ind. Bat. 1|2 (1858-59) 482. *Scapha nigrescens* Choisy in Mem. Soc. Phys. Hist. Nat. Geneve 14 (1855) 119.

Dutch Borneo, *Korthals*. Endemic.

19. *Saurauia oblancifolia* Merr. in Journ. Str. Branch Roy. As. Soc. 79 (1918) 31. *Saurauia oblanceolata* Merr. in Philip. Journ. Sci. 13 (1918) Bot. 92, not Ridley.

British North Borneo, *Clemens* 9784! Sarawak, *Ridley* 9076! Endemic.

20. *Saurauia planchoni* Hook. f. in Trans. Linn. Soc. 23 (1860) 161; Walp. Ann. 7 (1868) 365; Merr. in Journ. Str. Branch Roy. As. Soc. 79 (1918) 31.

Sarawak, *Low, Lobb, Native collector* 556!, 1277!, 2037! *Bur. Sci.*, *Haviland* 2048! 2764! *Ridley* 11785! Endemic.

21. *Saurauia platyphylla* Merr. in Philip. Journ. Sci. 13 (1918) Bot. 93.

British North Borneo, *Clemens* 9999! Endemic.

22. *Saurauia ridleyi* Merr. in Journ. Str. Branch Roy. As. Soc. 79 (1918) 33.

Sarawak, *Ridley* 12459! 12209! *Hullett*. Endemic.

23. *Saurauia sakoembangensis* Korth. Verh. Nat. Gesch. Bot. (1839-42) 134; Walp. Repert. 1 (1842) 371; Miq. Fl. Ind. Bat. 1|2 (1858-59) 483 (*sankumbangensis*).

Dutch Borneo, *Korthals*. Endemic.

24. *Saurauia spinuloso-setosa* Merr. in Journ. Str. Branch Roy. As. Soc. 79 (1918) 32.

Sarawak, *Haviland*! Endemic.

25. *Saurauia subcordata* Korth. Verh. Nat. Gesch. Bot. (1839-42) 124; Walp. Repert. 1 (1842) 371; Miq. Fl. Ind. Bat. 1|2 (1858-59) 487. *Scapha subcordata* Choisy in Mem. Soc. Phys. Hist. Nat. Geneve 14 (1855) 119.

Dutch Borneo, *Korthals*. Endemic.

26. *Saurauia tewensis* Korth Verh. Nat. Gesch. Bot. (1839-42) 133; Walp. Repert. 1 (1842) 371; Miq. Fl. Ind. Bat. 1|2 (1858-59) 487.

Dutch Borneo, *Korthals*. Endemic.

27. *Saurauia winkleri* Merr. in Philip. Journ. Sci. 13 (1918) Bot. 93.

Dutch Borneo, *Winkler 2451!* Endemic.

Ochnaceae.

1. *Ouratia angustifolia* (Vahl) Baill. ex Laness. Pl. Util. Colon. Franc. (1886) 667; Hallier f. in Beihefte Bot. Centralbl. 34|2 (1916) 34. *Gomphia angustifolia* Vahl Symb. 2 (1797) 49.

Borneo, fide *Hallier* l.c.; British North Borneo, *Clemens 9438!*, *9519!*, *Villamil 146!*. India and Ceylon to the Malay Peninsula, Banca, and the Philippines.

2. *Ouratia sumatrana* (Jack) Gilg in Engl. & Prantl Nat. Pflanzenfam. 3|6 (1893) 142. *Gomphia sumatrana* Jack in Malay Miscel. 1|5 (1820) 29; King in Journ. As. Soc. Beng. 62|2 (1893) 232.

Borneo, fide *King* l.c. Nicobar and Andaman Islands, Sumatra, Malay Peninsula.

3. *Ouratia beccariana* Bart. in Malpighia 15 (1902) 159, t. 8. *Campylospermum beccarianum* Van Tiegh. in Ann. Sci. Nat. Bot. VIII 16 (1902) 301.

Sarawak, *Beccari 4025*. Endemic.

4. *Ouratia borneensis* Bart. in Malpighia 15 (1902) 155, t. 6. *Campylospermum borneense* Van Tiegh. in Journ. de Bot. 16 (1902) 197, Ann. Sci. Nat. Bot. VIII 16 (1902) 301.

Sarawak, *Beccari 318, 3434*. Endemic.

5. *Ouratia neriifolia* Bart. in Malpighia 15 (1902) 158, t. 7. *Campylocercum neriifolium* Van Tiegh. in Ann. Sci. Nat. Bot. VIII 16 (1902) 304.

Sarawak, *Beccari 3547*. Endemic.

1. *Brackenridgea palustris* Bart. in Malpighia 15 (1902) 165, t. 10; Van Tiegh. in Ann. Sci. Nat. Bot. VIII 16 (1902) 395.

Sarawak, *Beccari 3472*. Endemic.

2. *Brackenridgea serrulata* Bart. in Malpighia 12 (1902) 163, t. 9; Van Tiegh. in Ann. Sci. Nat. Bot. VIII 16 (1902) 395.

Sarawak, *Beccari 3469*. Endemic.

1. *Schuermansiella angustifolia* (Hook.f.) Hallier f. in Rec. Trav. Bot. Neerl. 10 (1913) 345, t. 7. *Schuermansia angustifolia* Hooker f. in Trans. Linn. Soc. Bot. 23 (1860) 157.

Sarawak, *Lobb*, *Beccari* 1606, *Haviland*, *Hose* 1!, *Foxworthy* 455!, 428!, *Native collector* 2580! *Bur. Sci.* A monotypic endemic genus.

1. **Indovethia calophylla** Boerl. in *Ic. Bogor.* 1 (1897) *t.* 1; *Bart.* in *Malpighia* 15 (1902) 172.

Dutch Borneo, *Teysmann*; Sarawak, *Native collector* 194!, 2401! *Bur. Sci.* Ambonia.

2. **Indovethia beccariana** *Bart.* in *Malpighia* 15 (1902) 172. Sarawak, *Beccari* 763, 1413. Endemic.

1. **Neckia distans** *Ridl.* in *Journ. Str. Branch Roy. As. Soc.* 49 (1908) 12.

British North Borneo, *Ridley* 9054. Endemic; the same as *N. serrata* *Korth*?

2. **Neckia ovalifolia** *Capit.* in *Bull. Soc. Bot. France* 57 (1910) 397.

Dutch Borneo, *Jaheri* 453, *Hallier* 638. Endemic.

3. **Neckia parviflora** *Ridl.* in *Journ. Str. Branch Roy. As. Soc.* 49 (1908) 14.

Sarawak, *Ridley* 12320. Endemic.

4. **Neckia serrata** *Korth.* in *Nederl. Kruidk. Arch.* 1 (1848) 358; *Boerl.* in *Ic. Bogor.* 1 (1901) *t.* 76. *Neckia lancifolia* *Hook. f.* in *Trans. Linn. Soc.* 23 (1860) 158; *Ridl.* in *Journ. Str. Branch Roy. As. Soc.* 49 (1908) 13; *Walp. Ann.* 7 (1868) 221.

Borneo, *Lobb*, *Motley*; Sarawak, *Hullett*, *Ridley*; Dutch Borneo, *Teysmann*. British North Borneo, *Foxworthy* 580!, *Topping* 1370, *Clemens* 9498!. Sumatra.

1. **Sauvagesia jaheriana** *Capit.* in *Bull. Soc. Bot. France* 57 (1910) 397.

Dutch Borneo, *Jaheri* 1626. Endemic; the generic identification is probably wrong, as *Sauvagesia* is otherwise Brazilian.

1. **Euthemis leucocarpa** *Jack* in *Malay Miscel.* 1|5 (1820) 15; *Bart.* in *Malpighia* 15 (1902) 167; *Hallier f.* in *Beihefte Bot. Centralbl.* 34|2 (1916) 30.

Sarawak, *Hose* 175!, *Haviland & Hose* 486, *Beccari* 102, 297, 1289, 378, 3118, *Native collector* 1356!, 2952!, 1685! *Bur. Sci.*; Dutch Borneo, *Hallier* 1461, 2363, 2467, 2698, *Grabowsky*, *Winkler* 3266, *Amdjah* 717. Malay Peninsula, Banca.

2. **Euthemis minor** *Jack* in *Malay Miscel.* 1|5 (1820) 16; *Bart.* in *Malpighia* 15 (1902) 168; *Hallier f.* in *Beihefte Bot.*

Centralbl. 34|2 (1916) 32. *Euthemis engleri* Gilg in Engl. & Prantl Nat. Pflanzenfam, 3|6 (1893) 152, f. 78; Bart. in Malpighia 15 (1902) 169.

Sarawak, *Beccari* 168, 2527, 1712, *Native collector* 1708! *Bur. Sci.*; Dutch Borneo, *Jaheri. Teysmann* 8463, 8484, *Winkler* 3268!, *Hallier* 1445, 2193, 2364, 3408, *Nieuwenhuis* 159; Labuan, *Jagor* 323. Banca, Karimata Islands, Penang.

3. *Euthemis obtusifolia* Hook. f. in Trans. Linn. Soc. 23 (1860) 163; Walp. Ann. 7 (1868) 544; Bart. in Malpighia 15 (1902) 169.

Borneo, *Lobb*; Sarawak, *Foxworthy* 448!, *Native collector* 2226! *Bur. Sci.*, *Hewitt*! Endemic; perhaps the same as *Euthemis minor* Jack.

Theaceae.

1. *Archytaea alternifolia* (Vahl) Hochr. in Bull. N. Y. Bot. Gard. 6 (1910) 274. *Hypericum alternifolium* Vahl Symb. 2 (1791) 85, t. 42. *Archytaea vahlii* Choisy in Mem. Soc. Phys. Genev. 14 (1855) 163. *Ploiarium elegans* Korth. Verh. Nat. Gesch. Bot. (1839-42) 135, t. 25; Walp. Repert. 1 (1842) 376; Miq. Fl. Ind. Bat. 1|2 (1858-59) 491; Hallier in Beihefte Bot. Centralbl. 34|2 (1916) 34.

Dutch Borneo, *Korthals*!, *Hallier* 2470; Sarawak, *Native collector* 469!, 868!, 1073!, 1364!, 1734!, 1774!, 2462! *Bur. Sci.*; British North Borneo, *Clemens* 9562!. Malay Peninsula and Archipelago; Hallier claims that the form *Korthals* described is distinct from *A. vahlii* Choisy (*A. alternifolia* Hochr.).

2. *Archytaea pulcherrima* Becc. Nelle Foreste di Borneo (1902) 569, *nomen nudum*.

Sarawak, *Beccari* 319. Of uncertain status; to be compared with *A. alternifolia* Hochr.

1. *Thea lanceolata* (Blume) Pierre Fl. Forest. Cochinch. 2 (1887) t. 119. *Calpandra lanceolata* Blume Bijdr. (1825) 178; Korth. Verh. Nat. Gesch. Bot. (1825) t. 31; Miq. Fl. Ind. Bat. 1|2 (1858-59) 492.

Dutch Borneo, *Korthals*; British North Borneo, *Clemens* 11268! Sumatra, Java, Celebes, Philippines (*Thea montana* (Blanco) Merr.)

1. *Gordonia havilandii* Burkill in Journ. Str. Branch Roy. As. Soc. 76 (1917) 157, f. 14.

Sarawak, *Haviland* 67, 1995. Endemic.

2. **Gordonia lobbii** Hook. f. in Trans. Linn. Soc. 23 (1860) 162; Walp. Ann. 7 (1868) 367; Burkill in Journ. Str. Branch Roy. As. Soc. 76 (1917) 156.

Sarawak, *Lobb*. Endemic.

3. **Gordonia lancifolia** Burkill in Journ. Str. Branch Roy. As. Soc. 76 (1917) 150, f. 9.

Sarawak, *Haviland 1010*. Endemic.

4. **Gordonia marginata** Endl. in Walp. Repert. 5 (1845) 134. *Clossaschima marginata* Korth. Verh. Nat. Gesch. Bot. (1839-42) 141. *Glossaschima marginata* Walp. Repert. 1 (1842) 375. *Laplacea marginata* Choisy in Mem. Soc. Phys. Geneve 14 (1855) 148; Miq. Fl. Ind. Bat. 1|2 (1858-59) 490. *Haemocharis marginata* O. Kuntze Rev. Gen. Pl. (1891) 62; Burkill in Journ. Str. Branch Roy. As. Soc. 76 (1917) 153.

Dutch Borneo, *Korthals*. Endemic.

1. **Schima brevifolia** (Hook. f.) Stapf in Hook. Ic. IV 3 (1893) t. 2264, Trans. Linn. Soc. Bot. 4 (1894) 135; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 60. *Gordonia brevifolia* Hook. f. in Trans. Linn. Soc. 23 (1860) 162; Walp. Ann. 7 (1868) 367; Burkill in Journ. Str. Branch Roy. As. Soc. 76 (1917) 158.

British North Borneo, *Low, Haviland, 1126, 1107, Gibbs 4271, Clemens 10557!*, *Haslam!* Endemic.

2. **Schima crenata** Korth. Verh. Nat. Gesch. Bot. (1839-42) 143, t. 29; Miq. Fl. Ind. Bat. 1|2 (1858-59) 491; Walp. Repert. 5 (1845) 135.

Dutch Borneo, *Korthals*. Malay Peninsula and Archipelago; near *Schima noronhae* Reinw.

3. **Schima noronhae** Reinw. in Blume Cat. Gew. Buitenz. (1823) 130.

Sarawak, *Foxworthy 247!*, *365!*, *Native collector 869!*, *1642!*, *2290!* *Bur. Sci.*, *Ridley 1257!* Burma, Malay Peninsula, Sumatra, Java, Palawan.

1. **Pyrenaria masocarpa** Korth. Verh. Nat. Gesch. Bot. (1839-42) 147; Miq. Fl. Ind. Bat. 1|2 (1858-59) 493; Choisy in in Mem. Soc. Phys. Hist. Nat. Geneve 14 (1855) 172 (err. *macrocarpa*).

Dutch Borneo, *Korthals*. Endemic.

1. **Ternstroemia japonica** Thunb. in Trans. Linn. Soc. 2 (1794) 335.

Sarawak, *Foxworthy 431!* Japan to India and Malaya.

2. **Ternstroemia lowii** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 132; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 59.

British North Borneo, *Haviland* 1262, 1129, *Low*, *Gibbs* 4248, *Clemens* 10505!, 10575! Endemic.

1. **Adinandra dumosa** Jack in Malay Miscel. 2|7 (1820) 50 Hook. f. in Trans. Linn. Soc. 23 (1860) 162.

Borneo, *Motley*; Sarawak, *Native collector* 136!, 1768!, 1957! *Bur. Sci.*, *Sarawak Museum* 132; British North Borneo, *Clemens* 9882!, 11209! Malay Peninsula and Archipelago.

2. **Adinandra excelsa** Korth. Verh. Nat. Gesch. Bot. (1839-42) 376; Miq. Fl. Ind. Bat. 1|2 (1858-59) 477; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 133.

Dutch Borneo, *Korthals*; British North Borneo, *Haviland* 1373, *Clemens* 11168! Endemic.

4. **Adinandra sarcosanthera** Miq. Fl. Ind. Bat. 1|2 (1858-59) 477, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 104. *Sarcosanthera excelsa* Korth. Verh. Nat. Gesch. Bot. (1839-42) 104, t. 16; Walp. Repert. 5 (1845) 130.

Dutch Borneo, *Korthals*. Endemic.

5. **Adinandra trichocoryna** Korth. Verh. Nat. Gesch. Bot. (1839-42) 107 (incl. var. *parviflora* Korth.); Walp. Repert. 1 (1842) 376; Miq. Fl. Ind. Bat. 1|2 (1858-59) 477, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 103.

Dutch Borneo, *Korthals*. Endemic.

6. **Adinandra verrucosa** Stapf in Hook. Ic. IV 3 (1893) t. 2266, Trans. Linn. Soc. Bot. 4 (1894) 133.

British North Borneo, *Haviland* 1101, *Clemens* 10735! Endemic.

1. **Eurya acuminata** DC. Prodr. 1 (1824) 525.

Sarawak, *Native collector* 1597!, 2022! *Bur. Sci.*; British North Borneo, *Clemens* 9827! India to Malaya and Polynesia.

2. **Eurya reticulata** Korth. Verh. Nat. Besch. Bot. (1839-42) 118; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 134; *Gibbs* in Journ. Linn. Soc. Bot. 42 (1914) 60.

British North Borneo, *Low*, *Haviland* 1067, *Gibbs* 4205, *Clemens* 10634!, 10666! Java, Sumatra.

3. **Eurya nitida** Korth. Verh. Nat. Gesch. Bot. (1839-42) 115, t. 17; Walp. Repert. 1 (1842) 369; Miq. Fl. Ind. Bat. 1|2 (1858-59) 472; Blume Mus. Bot. Lugd.-Bat. 2 (1856) 111.

Dutch Borneo, *Korthals*; Sarawak, *Ridley* 12467!, 12467a!, *Native collector* 138!, 870!, 1458!, 1721!, 1878!, 2693!, 2658! *Bur. Sci.*; British North Borneo, *Clemens* 10898!, 10942! Malay Peninsula and Archipelago; closely allied to *E. acuminata* Wall.

1. **Tetramista crassifolia** Hallier f. in Beihefte Bot. Centralbl. 34|2 (1916) 38.

Sarawak, *Haviland* 1836, *Foxworthy* 81! (probably), 166!, *Native collector* 817! *Bur. Sci.*; *Sarawak Museum* 4! Endemic.

2. **Tetramista montana** Hallier f. in Beihefte Bot. Centralbl. 34|2 (1916) 39.

Dutch Borneo, *Hallier* 2425, 2960; Sarawa, *Beccari* 1939? Endemic.

Guttiferae.

1. **Hypericum mutilum** Linn. Sp. Pl. (1753) 787; Stapf in *Trans. Linn. Soc. Bot.* 4 (1894) 132.

British North Borneo, *Gibbs* 2786, *Haviland* 1331, *Clemens* 9847!, 10433, North America, India to Madagascar, China, Japan, southward to Tasmania and New Zealand; this is the oriental form commonly identified as *Hypericum japonicum* Thunb.

1. **Cratoxylon arborescens** (Vahl) Blume *Mus. Bot. Lugd.-Bat.* 2 (1852) 17; *Gibbs* in *Journ. Linn. Soc. Bot.* 42 (1914) 59.

British North Borneo, *Gibbs* 3010; Sarawak, *Foxworthy* 43!, 154!, *Sarawak Museum* 8!, *Native collector* 128!, 378!, 1132! *Bur. Sci.* Burma to the Malay Peninsula, Indo-China and the Malay Archipelago.

2. **Cratoxylon formosum** (Jack) Dyer in *Hook. f. Fl. Brit. Ind.* 1 (1874) 258; *Gagnep.* in *Not. Syst.* 1 (1909) 19. *Elodea formosa* Jack in *Malay Miscel.* 2|7 (1822) 24. *Tridesmis formosa* Korth. *Verh. Nat. Gesch. Bot.* (1839-42) 179, t. 37; *Miq. Fl. Ind. Bat.* 1|2 (1858-59) 517. *Tridesmis ochroides* Spach. *Hist. Veg. Phan.* 5 (1836) 359; *Blume Mus. Bot. Lugd.-Bat.* 2 (1852) 18.

Dutch Borneo, *Korthals*; British North Borneo, *Villamil* 209!; Sarawak, *Native collector* 443!, 2556! *Bur. Sci.* India to Indo-China through Malaya to the Moluccas.

3. **Cratoxylon glaucum** Korth. *Verh. Nat. Gesch. Bot.* (1839-42) 176, *Flora* 31 (1848) 579; *Walp. Ann.* 2 (1850-51) 190; *Blume Mus. Bot. Lugd.-Bat.* 2 (1852) 17; *Miq. Fl. Ind. Bat.* 1|2 (1858-59) 517.

Dutch Borneo, *Korthals*; Sarawak, *Foxworthy* 148!, 521!, *Native collector* 147!, 370!, 639!, 890!, 1131!, 1810!, 1860! 1249! *Bur. Sci.* Billiton.

4. **Cratoxylon hypericinum** (Blume) comb. nov. *Horns-chuchia hypericina* Blume *Cat. Gew. Buitenz.* (1823) 15. *Cratoxylon horns-chuchii* Blume *Bijdr.* (1825) 144, *Mus. Bot. Lugd.-Bat.* 2 (1856) 15.

Sarawak, *Hose 143!*, *Sarawak Museum s.n.!* Java, Sumatra.

5. **Cratoxylon myrtifolium** Blume Mus. Bot. Lugd.-Bat. 2 (1852) 17; Walp. Ann. 4 (1857) 362; Miq. Fl. Ind. Bat. 12 (1858-59) 517.

Borneo, fide *Blume* l.c. Endemic; a form of *C. polyanthum* Korth.?

6. **Cratoxylon polyanthum** Korth. Verh. Nat. Gesch. Bot. (1839-42) 175, t. 36, Flora 31 (1848) 579; Walp. Ann. 2 (1850-51) 189; Blume Mus. Bot. Lugd.-Bat. 2 (1852) 16; Gagnep. in Not. Syst. 1 (1909) 19; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 132.

Dutch Borneo, *Korthals!*; Sarawak, *Beccari 3175*, *Native collector 2155!* *Bur. Sci.*; British North Borneo, *Clemens 9607!*, *Villamil 360!* Burma to Indo-China, Malay Peninsula, Sumatra, Philippines.

1. **Calophyllum borneense** Vesque in DC. Monog. Phan. 8 (1893) 539, 580.

Sarawak, *Beccari 2101*, *Foxworthy 512!* Endemic.

2. **Calophyllum horstii** Boerl. Cat. Hort. Bogor. (1899) 79. *Calysaccion horstii* Teysm. & Binn. Cat. Hort. Bogor. (1866) 205, *nomen nudum*.

Borneo; cult. in *Hort. Bogor. VI-C-39!* Endemic.

3. **Calophyllum inophyllum** Linn. Sp. Pl. (1753) 732; Vesque in DC. Monog. Phan. 8 (1893) 544; Becc. Nelle Foreste di Borneo (1902) 569, 588.

Sarawak, *Beccari 777*, *Hombron*, *Foxworthy 183!* *Hose 693!* India to tropical Africa and Polynesia, along the seashore.

4. **Calophyllum kunstleri** Prain in Journ. As. Soc. Beng. 59|2 (1890) 174; Vesque in DC. Monog. Phan. 8 (1893) 607.

Sarawak, *Foxworthy 302!* Malay Peninsula, Philippines.

5. **Calophyllum lowii** Hook. f. in Trans. Linn. Soc. 23 (1860) 163; Pl. & Tr. in Ann. Sci. Nat. IV 15 (1861) 271; Walp. Ann. 7 (1868) 357; Vesque in DC. Monog. Phan. 8 (1893) 541, 604.

Endemic.

6. **Calophyllum nodosum** Vesque in DC. Monog. Phan. 8 (1893) 537, 559.

Sarawak, *Beccari 2440*. Endemic.

7. **Calophyllum pulcherrimum** Wall. Cat. (1831) No. 4846; Vesque in DC. Monog. Phan. 8 (1893) 607.

Sarawak, *Hose 37!* Malay Peninsula and Archipelago.

8. **Calophyllum sclerophyllum** Vesque in DC. Monog. Phan. 8 (1893) 540, 587.

Sarawak, *Beccari 2705*. Endemic.

9. **Calophyllum venulosum** Zoll. Syst. Verzeich. (1854) 150; Vesque in DC. Monog. Phan. 8 (1893) 575.

Sarawak, *Sarawak Museum 67!* Java.

10. **Calophyllum wallichianum** Pl. & Tr. in Ann. Sci. Nat. IV 15 (1861) 277; Choisy in DC. Monog. Phan. 8 (1893) 599.

Sarawak, *Native collector 1276!*, 1955! *Bur. Sci. Malay Peninsula*, Billiton.

1. **Kayea beccariana** Baill. *Adansonia* 11 (1875) 369; Vesque in DC. Monog. Phan. 8 (1893) 614.

Sarawak, *Beccari 3462*. Endemic.

2. **Kayea hexapetala** (Hook. f.) Pierre Fl. Forest. Cochinch. 1 (1889) sub *t. 98*; Vesque in DC. Monog. Phan. 8 (1893) 626; Becc. *Nelle Foreste di Borneo* (1902) 569. *Calophyllum hexapetalum* Hook. f. in Trans. Linn. Soc. 23 (1860) 143; Walp. Ann. 7 (1868) 357.

Sarawak, *Beccari 2461, Low*. Endemic.

3. **Kayea korthalsiana** Pierre Fl. Forest. Cochinch. 1 (1889) sub *t. 98*; Vesque in DC. Monog. Phan. 8 (1893) 617.

Dutch Borneo, *Korthals*. Endemic.

4. **Kayea macrantha** Baill. *Adansonia* 11 (1875) 369; Vesque in DC. Monog. Phan. 8 (1893) 624; Becc. *Nelle Foreste di Borneo* (1902) 569.

Sarawak, *Beccari 2520*. Endemic.

5. **Kayea myrtifolia** Baill. *Adansonia* 11 (1875) 368; Vesque in DC. Monog. Phan. 8 (1893) 619.

Sarawak, *Beccari 2980, 2535*. Endemic.

1. **Garcinia apetala** Pierre Fl. Forest. Cochinch. 1 (1889) XXXV, *t. 90 E*; Vesque in DC. Monog. Phan. 8 (1893) 356.

Sarawak, *Beccari 3614*. Endemic.

2. **Garcinia baillonii** Pierre Fl. Forest. Cochinch. 1 (1889) XVIII, *t. 83 A*; Vesque in DC. Monog. Phan. 8 (1893) 370; Becc. *Nelle Foreste di Borneo* (1902) 569.

Sarawak, *Beccari 2498*. Endemic.

3. **Garcinia bancana** Miq. Fl. Ind. Bat. Suppl. (1860-62) 192, 194; Vesque in DC. Monog. Phan. 8 (1893) 458.

Borneo, fide *Vesque l.c.* Malay Peninsula, Sumatra, Banca.

4. **Garcinia beccarii** Pierre Fl. Forest. Cochinch. 1 (1889) XXVI, t. 84 B; Vesque in DC. Monog. Phan. 8 (1893) 433; Becc. Nelle Foreste di Borneo (1902) 601.

Sarawak, *Beccari 1076, 2978*. Endemic.

5. **Garcinia benthami** Pierre Fl. Forest. Cochinch. 1 (1889) t. 55.

British North Borneo, *Villamil 342!* Cochinchina, Palawan.

6. **Garcinia blumei** Pierre Fl. Forest. Cochinch. 1 (1889) XXXII, t. 87 C; Vesque in DC. Monog. Phan. 8 (1893) 473.

Sarawak, *Beccari 2549*. Endemic.

7. **Garcinia borneensis** Pierre Fl. Forest. Cochinch. 1 (1889) XXVII, t. 81, C. G; Vesque in DC. Monog. Phan. 8 (1893) 462.

Sarawak, *Beccari 1891, Motley*. Endemic.

8. **Garcinia brevipes** Pierre Fl. Forest. Cochinch. 1 (1889) III; Vesque in DC. Monog. Phan. 8 (1893) 323.

Sarawak, *Beccari 687*. Endemic.

9. **Garcinia cunelfolia** Pierre Fl. Forest. Cochinch. 1 (1889) XXXV, t. 90 B; Vesque in DC. Monog. Phan. 8 (1893) 355.

Sarawak, *Beccari 926*. Endemic.

10. **Garcinia desrousseauxii** Pierre Fl. Forest. Cochinch. 1 (1889) XXXIV, t. 87 A; Vesque in DC. Monog. Phan. 8 (1893) 480.

Sarawak, *Beccari 2573*. Endemic.

11. **Garcinia diospyrifolia** Pierre Fl. Forest. Cochinch. 1 (1889) XXXVII; Vesque in DC. Monog. Phan. 8 (1893) 414.

Dutch Borneo, *Korthals*. Endemic.

12. **Garcinia dryobalanoides** Pierre Fl. Forest. Cochinch. 1 (1889) VII, t. 92; Vesque in DC. Monog. Phan. 8 (1893) 354.

Sarawak, *Beccari 1877*. Endemic.

13. **Garcinia grahami** Pierre Fl. Forest. Cochinch. 1 (1889) XXXII, t. 87 B; Vesque in DC. Monog. Phan. 8 (1893) 477.

Sarawak, *Beccari 3048*. Endemic.

14. **Garcinia havilandii** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 132.

British North Borneo, *Haviland 1379, Clemens 11144!* Endemic.

15. **Garcinia korthalsii** Pierre Fl. Forest. Cochinch. 1 (1889) XXXIX; Vesque in DC. Monog. Phan. 8 (1893) 445.

Dutch Borneo, *Korthals*. Endemic.

16. **Garcinia krawang** Pierre Fl. Forest. Cochinch. 1 (1889) XXXVII; Vesque in DC. Monog. Phan. 8 (1893) 398.

Dutch Borneo, *Korthals*. Endemic.

17. **Garcinia linearis** Pierre Fl. Forest. Cochinch. 1 (1889) VIII, t. 92 C; Vesque in DC. Monog. Phan. 8 (1893) 347; Becc. Nelle Foreste di Borneo (1902) f. 65, 2.

Sarawak, *Beccari* 3834. Endemic.

18. **Garcinia lucens** Pierre Fl. Forest. Cochinch. 1 (1889) XXXVII; Vesque in DC. Monog. Phan. 8 (1893) 413.

Dutch Borneo, *Korthals*. Endemic.

19. **Garcinia mangostana** Linn. Sp. Pl. (1753) 443; Becc. Nelle Foreste di Borneo (1902) 63, f. 12, 599.

Sarawak, *Beccari*; British North Borneo, *Villamil* 255 bis! Cultivated in Borneo as it is in other parts of the Malayan region; the mangosteen.

20. **Garcinia microcarpa** Pierre Fl. Forest. Cochinch. 1 (1889) XXXIX; Vesque in DC. Monog. Phan. 8 (1889) 477.

Dutch Borneo, *Korthals*. Endemic.

21. **Garcinia miquelii** Pierre Fl. Forest. Cochinch. 1 (1899) XXVI, t. 84 A; Vesque in DC. Monog. Phan. 8 (1893) 461.

Sarawak, *Beccari* 1485. Endemic.

22. **Garcinia motleyana** Pierre Fl. Forest. Cochinch. 1 (1889) XXX, t. 83 I (*mottleyana*); Vesque in DC. Monog. Phan. 8 (1893) 455; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 59.

Dutch Borneo, *Teysmann*, *Motley* 330, 986; British North Borneo, *Gibbs* 4293. Endemic.

23. **Garcinia myristicaefolia** Pierre Fl. Forest. Cochinch 1 (1889) XXVI, t. 81 E; Vesque in DC. Monog. Phan. 8 (1893) 460.

Sarawak, *Beccari* 2004. Endemic.

24. **Garcinia nigricans** Pierre Fl. Forest. Cochinch. 1 (1889) XXX, t. 77 C; Vesque in DC. Monog. Phan. 8 (1893) 455.

Sarawak, *Beccari* 2565. Endemic.

25. **Garcinia nitida** Pierre Fl. Forest. Cochinch. 1 (1889) XVIII, t. 80, M. N; Vesque in DC. Monog. Phan. 8 (1893) 385.

Sarawak, *Beccari* 2109, 1179. Endemic.

26. **Garcinia petiolaris** Pierre Fl. Forest. Cochinch. 1 (1889) III; Vesque in DC. Monog. Phan. 8 (1893) 321.

Sarawak, *Beccari* 1115. Endemic.

27. *Garcinia rheedii* Pierre Fl. Forest. Cochinch. 1 (1889) XXXIV, t. 84 G; Vesque in DC. Monog. Phan. 8 (1893) 462.

Sarawak, *Beccari* 1510, 2630. Endemic.

28. *Garcinia rostrata* (Hassk.) Hook. in Journ. Linn. Soc. Bot. 15 (1875) 486.

Borneo, fide *Hooker* f. l.c. Tennasserim, Malay Peninsula, Java.

29. *Garcinia sarawahensis* Pierre Fl. Forest. Cochinch. 1 (1889) VI, t. 61 G; Vesque in DC. Monog. Phan. 8 (1893) 350.

Sarawak, *Beccari* 2575, 2576, 3670. Endemic.

30. *Garcinia sizygiifolia* Pierre Fl. Forest. Cochinch. 1 (1889) XXVI, t. 77 B; Vesque in DC. Monog. Phan. 8 (1893) 457.

In cultivation in the Botanic Garden, Buitenzorg, Java, from Borneo.

31. *Garcinia spectabilis* Pierre Fl. Forest. Cochinch. 1 (1889) III; Vesque in DC. Monog. Phan. 8 (1893) 322; *Becc.* Nelle Foreste di Borneo (1902) 593.

Sarawak, *Beccari* 2966. Endemic.

32. *Garcinia stigmacanthe* Pierre Fl. Forest. Cochinch. 1 (1889) XXIX, t. 83, F; Vesque in DC. Monog. Phan. 8 (1893) 456; *Becc.* Nelle Foreste di Borneo (1902) 601.

Sarawak, *Beccari* 1592. Endemic.

33. *Garcinia trianii* Pierre Fl. Forest. Cochinch. 1 (1889) XVIII, t. 80 L; Vesque in DC. Monog. Phan. 8 (1893) 371.

Sarawak, *Beccari* 360. Endemic.

Dipterocarpaceae.

1. *Dipterocarpus appendiculatus* Scheff. in Nat. Tijdschr. Nederl. Ind. 31 (1870) 347; *Dyer* in Journ. Bot. 12 (1874) 104; *Burck* in Ann. Jard. Bot. Buitenz. 6 (1887) 200; *Brandis* in Journ. Linn. Soc. Bot. 31 (1895) 34. *Dipterocarpus acutangulus* Vesque in Compt. Rend. 78 (1874) 626; Journ. Bot. 12 (1874) 150.

Sarawak, *Beccari* 2913!, *Sarawak Museum* 151!; British North Borneo, *Villamil* 40!, 81! Banca.

2. *Dipterocarpus balsamifer* Blume Mus. Bot. Lugd.-Bat. 2 (1852) 37; *Miq.* Fl. Ind. Bat. 1|2 (1858-59) 498; Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 85; A. DC. Prodr. 16|2 (1868) 613; *Burck* in Ann. Jard. Bot. Buitenz. 6 (1887) 203; *Brandis* in Journ. Linn. Soc. Bot. 31 (1895) 40.

Borneo, fide *Blume* l.c. Endemic.

3. **Dipterocarpus crinitus** Dyer in Hook. f. Fl. Brit. Ind. 1 (1872) 296; King in Journ. As. Soc. Beng. 62|2 (1893) 91; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 20. *Dipterocarpus hirtus* Vesque in Compt. Rend. 78 (1874) 627; Journ. Bot. 12 (1874) 151.

Sarawak, *Beccari* 779!, 1883; British North Borneo, *Villamil* 76!, 109! Malay Peninsula; reduced by Burck to *Dipterocarpus tamparan* Korth., but apparently distinct.

4. **Dipterocarpus elongatus** Korth. Verh. Nat. Gesch. Bot. (1839-42) 62; Walp. Repert. 5 (1845) 123; Blume Mus. Bot. Lugd.-Bat. 2 (1852) 36; Miq. Fl. Ind. Bat. 1|2 (1858-59) 498, Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 85; A. DC. Prodr. 16|2 (1868) 613; Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 203; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 40.

Dutch Borneo, *Korthals*. Endemic.

5. **Dipterocarpus fagineus** Vesque in Compt. Rend. 78 (1874) 625, Journ. Bot. 12 (1874) 149; King in Journ. As. Soc. Beng. 62|2 (1893) 94; Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 200; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 33. *Dipterocarpus prismaticus* Dyer in Journ. Bot. 12 (1874) 105, 152, t. 144, f. 17.

Sarawak, *Beccari* 3008!, *Motley* 143. Malay Peninsula.

6. **Dipterocarpus geniculatus** Vesque in Compt. Rend. 78 (1874) 626, Journ. Bot. 12 (1874) 150; Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 199; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 33. *Dipterocarpus angulatus* Dyer in Journ. Bot. 12 (1874) 104.

Sarawak, *Beccari* 3034! Endemic.

7. **Dipterocarpus globosus** Vesque in Compt. Rend. 78 (1874) 627, Journ. Bot. 12 (1874) 151; Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 200; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 33. *Dipterocarpus beccarii* Dyer in Journ. Bot. 12 (1874) 103. *Dipterocarpus beccarianus* Vesque in Compt. Rend. 78 (1874) 627; Journ. Bot. 12 (1874) 151, Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 200. *Dipterocarpus beccarii* Dyer var. *glabrata* Dyer in Journ. Bot. 12 (1874) 103, t. 144, f. 16.

Sarawak, *Beccari* 2914, 2915. Endemic.

8. **Dipterocarpus grandiflorus** Blanco Fl. Filip. ed. 2 (1845) 314; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 37. *Dipterocarpus motleyanus* Hook. f. in Trans. Linn. Soc. 23 (1860) 159; Walp. Ann. 7 (1868) 377; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 85; A. DC. Prodr. 16|2 (1868) 611.

Labuan, *Motley*; British North Borneo, *Foxworthy* 562! Malay Peninsula, Banca, Philippines.

9. **Dipterocarpus lamellatus** Hook. f. in Trans. Linn. Soc. 23 (1860) 159; Walp. Ann. 7 (1868) 377; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 85; A. DC. Prodr. 16|2 (1868) 611; Dyer in Journ. Bot. 12 (1874) 107, t. 145, f. 22; Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 202; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 39.

Labuan, *Motley* 159; British North Borneo, *Villamil* 101! Endemic.

10. **Dipterocarpus lowii** Hook. f. in Trans. Linn. Soc. 23 (1860) 160; Walp. Ann. 7 (1868) 377; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 85; A. DC. Prodr. 16|2 (1868) 613; Dyer in Journ. Bot. 12 (1874) 107, t. 145, f. 23; Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 202; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 40; Beccari Nelle Foreste di Borneo (1902) 569, 588. *Dipterocarpus undulatus* Vesque in Compt. Rend. 78 (1874) 626, Journ. Bot. 12 (1874) 150.

Sarawak, *Beccari* 1267! *Low*; British North Borneo, *Villamil* 107! Endemic.

11. **Dipterocarpus marginatus** Korth. Verhand. Nat. Gesch. Bot. (1839-41) 64; Walp. Repert. 5 (1845) 124; Blume Mus. Bot. Lugd.-Bat. 2 (1852) 37; Miq. Fl. Ind. Bat. 1|2 (1858-59) 499, Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 85; A. DC. Prodr. 16|2 (1868) 613; Dyer in Journ. Bot. 12 (1874) 105; Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 202; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 38.

Dutch Borneo, *Korthals*, *De Vriese*; Sarawak, *Foxworthy* 158!; British North Borneo, *Villamil* 88! Endemic.

12. **Dipterocarpus nudus** Vesque in Compt. Rend. 78 (1874) 626, Journ. Bot. 12 (1874) 150; Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 201; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 38. *Dipterocarpus pentapterus* Dyer in Journ. Bot. 12 (1874) 106, t. 144, f. 18.

Sarawak, *Beccari* 2509, 2905!, *Hose* 488! Endemic.

13. **Dipterocarpus oblongifolius** Blume Mus. Bot. Lugd.-Bat. 2 (1852) 36; Miq. Fl. Ind. Bat. 1|2 (1858-59) 498, Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 85; Dyer in Journ. Bot. 12 (1874) 105; Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 201; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 37. *Dipterocarpus stenopterus* Vesque in Compt. Rend. 78 (1874) 625, Journ. Bot. 12 (1874) 150.

Dutch Borneo, *Korthals*; Sarawak, *Haviland* 1636, *Beccari* 3417, 3762!, *Native collector* 2760! *Bur. Sci.* Malay Peninsula, Sumatra, Java.

14. **Dipterocarpus quinquegonus** Blume Mus. Bot. Lugd.-Bat. 2 (1852) 36; Miq. Fl. Ind. Bat. 1|2 (1858-59) 497, Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 85. *Dipterocarpus hasseltii* Korth. Verh. Nat. Gesch. Bot. (1839-42) 65, non Blume. *Dipterocarpus pentagonus* A. DC. Prodr. 16|2 (1868) 610; Dyer in Journ. Bot. 12 (1874) 104; Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 199; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 34.

Dutch Borneo, *Korthals*. Endemic.

15. **Dipterocarpus stellatus** Vesque in Compt. Rend. 78 (1874) 626, Journ. Bot. 12 (1874) 150; Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 202; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 38. *Dipterocarpus nobilis* Dyer in Journ. Bot. 12 (1874) 106.

Dutch Borneo, *Teysmann*; Sarawak, *Beccari* 2555!, 2907, *Foxworthy* 399! Endemic.

16. **Dipterocarpus tamparan** Korth. Verh. Nat. Gesch. (1839-42) 63; Walp. Repert. 5 (1845) 123; Miq. Fl. Ind. Bat. 1|2 (1858-59) 498; Blume Mus. Bot. Lugd.-Bat. 2 (1852) 36; A. DC. Prodr. 16|2 (1868) 609; Dyer in Journ. Bot. 12 (1874) 103; Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 198; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 29.

Dutch Borneo, *Korthals*. Endemic.

17. **Dipterocarpus validus** Blume Mus. Bot. Lugd.-Bat. 2 (1852) 36; Miq. Fl. Ind. Bat. 1|2 (1858-59) 498, Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 85; A. DC. Prodr. 16|2 (1868) 614; Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 202; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 37.

Dutch Borneo, *Korthals*. Sumatra.

1. **Anisoptera costata** Korth. Verh. Nat. Gesch. Bot. (1839-42) 67, t. 6; Walp. Repert. 5 (1845) 125; Blume Mus. Bot. Lugd.-Bat. 2 (1852) 42; Miq. Fl. Ind. Bat. 1|2 (1858-59) 501, Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 85; A. DC. Prodr. 16|2 (1868) 615; Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 220; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 43.

Dutch Borneo, *Korthals*. Endemic.

2. **Anisoptera curtisii** Dyer ex King in Journ. As. Soc. Beng. 62|2 (1893) 100; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 42.

Borneo, *Burbidge*. Malay Peninsula, Philippines.

3. **Anisoptera grandiflora** Brandis in Journ. Linn. Soc. Bot. 31 (1895) 43, t. 2, f. 29, t. 3, f. 1.

Sarawak, *Haviland* 959, *Sarawak Museum* s.n.! Endemic.

4. **Anisoptera marginata** Korth. Verh. Nat. Gesch. Bot. (1839-42) 66, t. 6, f. 1-13; Walp. Repert. 5 (1845) 125; Blume Mus. Bot. Lugd.-Bat. 2 (1856) 42; Miq. Fl. Ind. Bat. 1|2 (1858-59) 501, Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 85; A. DC. Prodr. 16|2 (1868) 615; Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 220; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 43.

Dutch Borneo, *Korthals*, *Motley* 885; Labuan, *Motley* 291. Banca.

1. **Dryobalanops aromatica** Gaertn. Fruct. 3 (1805) 49, t. 186; Blume Mus. Bot. Lugd.-Bat. 2 (1856) 38; Hock. f in Trans. Linn. Soc. 23 (1860) 160; Dyer in Journ. Bot. 12 (1874) 100, t. 142, f. 1-5; Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 243; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 50. *Dryobalanops camphora* Colebr. in Asiat. Research. 12 (1816) 535; Hook. f. in Journ. Bot. Kew Miscel. 4 (1852) 200, t. 7, 8; Miq. Fl. Ind. Bat. 1|2 (1858-59) 499, Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 85; A. DC. Prodr. 16|2 (1868) 606.

Labuan, *Motley* 85. Malay Peninsula, Sumatra, Lingga.

2. **Dryobalanops beccarii** Dyer in Journ. Bot. 12 (1874) 100, t. 142, f. 6, 7; Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 243; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 50.

Sarawak, *Beccari* 2553, 2994!, *Foxworthy* 50!, 141!, *Sarawak Museum* 3!; British North Borneo, *Villamil* 51! Endemic.

3. **Dryobalanops kayanensis** Becc. Nelle Foreste di Borneo (1902) 572.

Sarawak, *Beccari* 3734! Endemic.

4. **Dryobalanops lanceolata** Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 244, t. 29, f. 6; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 51.

Dutch Borneo, *Martin*; British North Borneo, *Foxworthy* 559! Endemic.

5. **Dryobalanops oblongifolia** Dyer in Journ. Bot. 12 (1874) 100, t. 142, f. 8-12; Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 244. *Baillonodendron malayanum* Heim in Bull. Soc. Linn. Paris 2 (1891) 867, *Recherch. Dipt.* (1892) 83.

Borneo, *Beccari* 2533!, 3734, 2993. Endemic.

6. **Dryobalanops rappa** Becc. Nelle Foreste di Borneo (1902) 572.

Sarawak, *Beccari*, *Foxworthy* 480!, 517! Endemic.

1. **Hopea beccariana** Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 240; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 68; Becc. Nelle Foreste di Borneo (1902) 572. *Hopea nicholsoni* Heim in Bull. Soc. Linn. Paris 2 (1891) 973.

Sarawak, *Beccari* 1177!, 2961!. Endemic.

2. *Hopea borneensis* Heim in Bull. Soc. Linn. Paris 2 (1891) 972; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 69. Sarawak, *Beccari* 2532! Endemic.

3. *Hopea cernua* Teysm. & Binn. in Nat. Tijdschr. Nederl. Ind. 29 (1867) 252; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 71, t. 2, f. 8, 9. *Hopea mengarawan* Miq.; Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 240, quoad *Beccari* 2545.

Sarawak, *Beccari* 2484, 2545!, 2985! Sumatra.

4. *Hopea coriacea* Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 237; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 64. Dutch Borneo, *Korthals*. Endemic.

5. *Hopea dyeri* Heim in Bull. Soc. Linn. Paris 2 (1891) 972; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 98. *Hopea microptera* Dyer ex Brandis l.c. in syn.

Sarawak, *Beccari* 2962!, *Sarawak Museum* 153! Endemic.

6. *Hopea grisea* Brandis in Journ. Linn. Soc. Bot. 31 (1895) 63; Becc. Nelle Foreste di Borneo (1902) 571.

Sarawak, *Beccari* 2232, 2267! Endemic.

7. *Hopea heimiana* Brandis in Journ. Linn. Soc. Bot. 31 (1895) 63. *Cotylelobium hopeifolium* Heim. in Bull. Soc. Linn. Paris 2 (1891) 971.

Sarawak, *Beccari* 2491! Endemic.

8. *Hopea longifolia* Brandis in Journ. Linn. Soc. Bot. 31 (1895) 63.

Sarawak, *Haviland* 2120, *Beccari* 2811? Endemic.

9. *Hopea lowii* Dyer ex Brandis in Journ. Linn. Soc. Bot. 31 (1895) 63, *nomen nudum*.

Borneo, *Low*. Sumatra.

10. *Hopea micrantha* Hook. f. in Trans. Linn. Soc. 23 (1860) 161; Walp. Ann. 7 (1868) 379; A. DC. Prodr. 16|2 (1868) 634; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 85; Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 239; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 70.

Labuan, *Motley* 215, *Barber* 100; Sarawak, *Beccari* 2964. Malay Peninsula, Singapore.

11. *Hopea microcarpa* Heim in Bull. Soc. Linn. Paris 2 (1891) 954; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 71.

Sarawak, *Beccari* 2989. Endemic.

12. **Hopea myrtifolia** Miq. Fl. Ind. Bat. Suppl. (1860-62) 493; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 71.

Sarawak, *Beccari* 3021, 2468! Sumatra.

13. **Hopea nigra** Burck. in Ann. Jard. Bot. Buitenz. 6 (1887) 238; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 64.

Borneo?; cultivated in the Botanic Garden at Buitenzorg, Java.

14. **Hopea odorata** Roxb. Pl. Coromandel 3 (1819) 7, t. 210; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 59. *Doona odorata* Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 233. *Hopea sangal* Korth. Verh. Nat. Gesch. Bot. (1839-42) 75; Walp. Repert. 5 (1845) 128; Blume Mus. Bot. Lugd.-Bat. 2 (1856) 34; Miq. Fl. Ind. Bat. 1|2 (1858-59) 504, Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 85; A. DC. Prodr. 16|2 (1868) 635.

Dutch Borneo, *Korthals*. Pegu and Tenasserim to CochinChina and the Andaman Islands.

15. **Hopea pierrei** Hance in Journ. Bot. 15 (1877) 329; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 67, t. 2, f. 10. *Hancea pierrei* Pierre Fl. Forest. Cochinch. 3 (1891) t. 248. *Hopea micrantha* Hance in Journ. Bot. 14 (1876) 242, non Hook. f.

Sarawak, *Beccari* 2504!, 3050. Cambodia, Singapore, Philippines.

16. **Hopea sarawakensis** Heim in Bull. Soc. Linn. Paris 2 (1891) 971; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 69.

Sarawak, *Beccari* 2987! Endemic.

17. **Hopea sericea** (Korth.) Blume Mus. Bot. Lugd.-Bat. 2 (1852) 35; Miq. Fl. Ind. Bat. 1|2 (1858-59) 504, Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 85; A. DC. Prodr. 16|2 (1868) 635; Burck. in Ann. Jard. Bot. Buitenz. 6 (1887) 238; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 64. *Dryobalanops? sericea* Korth. Verh. Nat. Gesch. Bot. (1839-42) 72, Walp. Repert. 5 (1845) 125.

Dutch Borneo, *Korthals*. Endemic.

18. **Hopea treubii** Heim in Bull. Soc. Linn. Paris 2 (1891) 955; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 98.

Sarawak, *Beccari* 2895! Endemic.

19. **Hopea vesquei** Heim in Bull. Soc. Linn. Paris 2 (1891) 971; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 68.

Sarawak, *Haviland* 857, *Beccari* 2550! Endemic.

1. **Shorea aptera** Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 210, t. 23; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 78.

Dutch Borneo, *Teysmann!*; British North Borneo, *Villamil 111!*
Endemic.

2. *Shorea bakeriana* Heim in Bull. Soc. Linn. Paris 2 (1891)
974; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 96.

Sarawak, *Beccari 3849*. Endemic.

3. *Shorea balangeran* (Korth.) Burck in Ann. Jard. Bot.
Buitenz. 6 (1887) 214; Brandis in Journ. Linn. Soc. Bot. 31
(1895) 86. *Hopea balangeran* Korth. Verh. Nat. Gesch. (1839-42)
74, t. 7, f. 1-14; Blume Mus. Bot. Lugd.-Bat. 2 (1852) 34; Walp.
Repert. 5 (1845) 128; Miq. Fl. Ind. Bat. 1|2 (1858-59) 503,
Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 85; A. DC. Prodr. 16|2
(1868) 634. *Parashorea balangeran* Heim Recherch. Dipt. (1892)
66.

Dutch Borneo, *Korthals, Motley 894*; Sarawak, *Beccari 3461*.
Banca, Philippines.

4. *Shorea beccariana* Burck in Ann. Jard. Bot. Buitenz. 6
(1887) 213; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 87.
Shorea franchetiana Heim in Bull. Soc. Linn. Paris 2 (1891) 956.
Shorea beccarii Dyer ex Brandis l.c. in syn.

Sarawak, *Beccari 1126!*, *1127!*, *1128*, *2480*, *2912*. Endemic.

5. *Shorea brachyptera* Heim in Bull. Soc. Linn. Paris 2
(1891) 957; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 77;
Becc. Nelle Foreste di Borneo (1902) 571. *Pachychlamys*
beccarianus Dyer ex Brandis l.c. in syn.

Sarawak, *Beccari 2681!*, *3075!*, *3507*. Endemic.

6. *Shorea compressa* Burck Minjak Tangk. (1886) 26, Ann.
Jard. Bot. Buitenz. 6 (1887) 212, t. 24; Brandis in Journ. Linn.
Soc. Bot. 31 (1895) 87.

Borneo, fide *Burck* l.c. Endemic.

7. *Shorea coriacea* Burck in Ann. Jard. Bot. Buitenz. 6
(1887) 214, Brandis in Journ. Linn. Soc. Bot. 31 (1895) 100.

Sarawak, *Haviland 485*, *Beccari 2948!* Endemic.

8. *Shorea cristata* Brandis in Journ. Linn. Soc. Bot. 31
(1895) 97. *Shorea dyeri* Heim in Bull. Soc. Linn. Paris 2 (1891)
957, non Trimen.

Sarawak, *Beccari 2515!* Endemic.

9. *Shorea elliptica* Burck in Ann. Jard. Bot. Buitenz. 6
(1887) 215; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 99.

Sarawak, *Beccari 2574!* Endemic.

10. *Shorea faguetiana* Heim in Bull. Soc. Linn. Paris 2
(1891) 975; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 95.
Shorea dryobalanooides Dyer ex Brandis l.c. in syn.

Borneo, *Motley, Barber*; Sarawak, *Beccari 2566, 2954, 2960, 3039!* Endemic.

11. *Shorea falcifera* Dyer ex Brandis in Journ. Linn. Soc. Bot. 31 (1895) 86; Becc. Nelle Foreste di Borneo (1902) 571.

Borneo, *Motley 37*; Sarawak, *Beccari 2992!, 3046.* Lingga.

12. *Shorea ferruginea* Dyer ex Brandis in Journ. Linn. Soc. Bot. 31 (1895) 91; Becc. Nelle Foreste di Borneo (1902) 570.

Sarawak, *Beccari 2604!* Endemic.

13. *Shorea grandiflora* Brandis in Journ. Linn. Soc. Bot. 31 (1895) 93.

Sarawak, *Haviland 2121, Foxworthy 70!* Endemic.

14. *Shorea gysbertsiana* Burck Minjak Teng. (1886) 15, Ann. Jard. Bot. Buitenz. 6 (1887) 211, t. 23, Brandis in Journ. Linn. Soc. Bot. 31 (1895) 93.

Dutch Borneo, *Teysmann!, Gysberts*; Sarawak, *Foxworthy 49!, 94!, Sarawak Museum s.n., 104!*

Var. *scabra* Burck l.c. t. 30, f. 3.

Dutch Borneo, *Teysmann!* Endemic.

15. *Shorea havilandii* Brandis in Journ. Linn. Soc. Bot. 31 (1895) 82.

Sarawak, *Haviland 1899, Beccari 2472!, Native collector 1839!* Bur. Sci. Endemic.

16. *Shorea inappendiculata* Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 206, t. 2, f. 21-30; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 102.

Sarawak, *Beccari 3009!* Endemic.

17. *Shorea leprosula* Miq. Fl. Ind. Bat. Suppl. (1860-62) 487; Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 215; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 100.

Sarawak, *Beccari 2952!* Malay Peninsula, Sumatra.

18. *Shorea macrantha* Brandis in Journ. Linn. Soc. Bot. 31 (1895) 97.

Sarawak, *Haviland 2119.* Endemic.

19. *Shorea macroptera* Dyer in Hook. f. Fl. Brit. Ind. 1 (1872) 308; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 90. *Shorea bailloni* Heim in Bull. Soc. Linn. Paris 2 (1891) 973..

Sarawak, *Low, Beccari 2891!* Malay Peninsula.

20. *Shorea martiniana* Scheff. in Nat. Tijdschr. Nederl. Ind. 32 (1873) 408; Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 208, t. 29, f. 2; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 78.

Dutch Borneo, *Martin*; Sarawak, *Foxworthy 513!*, *519!*, *Native collector 1063!* *Bur. Sci.* Endemic.

21. *Shorea ovalis* (Korth.) Blume Mus. Bot. Lugd.-Bat. 2 (1856) 33; Miq. Fl. Ind. Bat. 1|2 (1858-59) 503; A. DC. Prodr. 16|2 (1868) 631; Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 219; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 103. *Vatica ovalis* Korth. Verh. Nat. Gesch. Bot. (1839-42) 73; Walp. Repert. 5 (1845) 127.

Dutch Borneo, *Korthals*. Endemic.

22. *Shorea ovata* Dyer ex Brandis in Journ. Linn. Soc. Bot. 31 (1895) 91.

Sarawak, *Haviland 2042*, *Beccari 3092!* Endemic.

23. *Shorea parvistipula* Heim in Bull. Soc. Linn. Paris 2 (1891) 974; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 95.

Sarawak, *Beccari 2547!* Endemic.

24. *Shorea pinanga* Scheff. in Nat. Tijdschr. Nederl. Ind. 31 (1870) 350; Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 211, t. 20, f. 1, 2, f. 17, 18, Brandis in Journ. Linn. Soc. Bot. 31 (1895) 94, Becc. Nelle Foreste di Borneo (1902) 571, 589.

Dutch Borneo, *Martin*; Sarawak, *Beccari 3077*. Endemic.

25. *Shorea platycarpa* Heim in Bull. Soc. Linn. Paris 2 (1891) 956; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 94; Becc. Nelle Foreste di Borneo (1902) 570.

Sarawak, *Beccari 3302*. Endemic.

26. *Shorea rugosa* Heim in Bull. Soc. Linn. Paris 2 (1891) 973; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 96. *Shorea verruculosa* Dyer ex Brandis l.c. in syn.

Sarawak, *Beccari 2638*, *2890!*, *Foxworthy 54!*, *516!*, *Sarawak Museum 9!*, *134!*, *Native collector 1064!* *Bur. Sci.* Endemic.

27. *Shorea scaberrima* Burck Minjak Tenjk. (1886) 22, Ann. Jard. Bot. Buitenz. 6 (1887) 208; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 78.

Borneo, fide *Burck* l.c. Endemic.

28. *Shorea schefferiana* Hance in Journ. Bot. 16 (1878) 303; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 82.

Dutch Borneo, *Scheffer 6526*. Endemic.

29. *Shorea scrobiculata* Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 207; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 83.

Sarawak, *Beccari 2538!*, *2917!*, *2889*. Endemic.

30. *Shorea sericea* Dyer in Hook. f. Fl. Brit. Ind. 1 (1872) 306; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 101.

Sarawak, *Beccari 2603!*, *Foxworthy 13!*, *16!*. Malay Peninsula.

31. *Shorea squamata* (Turcz.) Dyer ex Vid. Phan. Cuming. Philip. (1885) 97; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 92. *Shorea squamata* Turcz. in Bull. Soc. Nat. Mosc. 31|1 (1858) 239.

Sarawak, *Beccari 3010!*; British North Borneo, *Villamil 91!* Philippines.

31. *Shorea stenoptera* Burck Minjak Tengk. (1886) 11, Ann. Jard. Bot. Buitenz. 6 (1887) 209. *t. 21*; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 78.

Dutch Borneo, *Teysmann!*; Sarawak, *Foxworthy 552!* Endemic.

1. *Parashorea* sp.

British North Borneo, *Villamil 20!*, *Foxworthy 568!*, both sterile. Similar to the Philippine *P. plicata* Brandis.

1. *Isoptera borneensis* Scheff. ex Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 222, *t. 8*; King in Journ. As. Soc. Beng. 62|2 (1893) 129; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 106; Becc. Nelle Foreste di Borneo (1902) 571.

Borneo, fide *Burck* l.c.; Sarawak, *Beccari 2795!*, *Native collector 2559!* *Bur. Sci.* Malay Peninsula, Banca, Mindanao; a monotypic genus.

1. *Balanocarpus acuminatus* (Heim.) Brandis in Journ. Linn. Soc. Bot. 31 (1895) 113. *Richetia acuminata* Heim in Bull. Soc. Linn. Paris 2 (1891) 979.

Sarawak, *Beccari 2942.* Endemic.

2. *Balanocarpus bracteatus* (Burck) comb. nov. *Hopea bracteata* Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 239. *Balanocarpus curtisii* King in Journ. As. Soc. Beng. 62|2 (1893) 131; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 111, *t. 2, f. 24.*

Dutch Borneo, *Teysmann*; Sarawak, *Haviland 1045, 2225.* Malay Peninsula, Penang.

3. *Balanocarpus coriaceus* (Heim) Brandis in Journ. Linn. Soc. Bot. 31 (1895) 112, *t. 2, f. 25, 26.* *Richetia coriacea* Heim in Bull. Soc. Linn. Paris 2 (1891) 975.

Sarawak, *Beccari 2888.* Endemic.

4. *Balanocarpus latifolius* (Heim) Brandis in Journ. Linn. Soc. Bot. 31 (1895) 112. *Richetia latifolia* Heim in Bull. Soc. Linn. Paris 2 (1891) 976. *Richetia oblongifolia* Heim op. cit. 979.

Sarawak, *Beccari 2511, 2892.* Penang.

5. *Balanocarpus sphaerocarpus* Heim Recherch. Dipt. (1892) 77; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 113.

Sarawak, *Beccari* 3021. Endemic.

1. *Pierrea pachycarpa* Heim in Bull. Soc. Linn. Paris 2 (1891) 958, Recherch. Dipt. (1892) 78; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 113 in note.

Sarawak, *Beccari* 3314. A monotypic endemic genus of uncertain status.

1. *Cotylelobium beccarii* Pierre Fl. Forest. Cochinch. 3 (1891) t. 258B; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 116; Becc. Nelle Foreste di Borneo (1902) 570, 591. *Vatica beccarii* Heim in Bull. Soc. Linn. Paris 2 (1891) 955. *Cotylelobium beccarianum* Heim Recherch. Dipt. (1892) 122?

Sarawak, *Beccari* 3213! Endemic.

2. *Cotylelobium flavum* Pierre Fl. Forest. Cochinch. 3 (1891) t. 258 A; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 115, t. 3, f. 22-24. *Vatica burckii* Heim in Bull. Soc. Linn. Paris 2 (1891) 956; Becc. Nelle Foreste di Borneo (1902) 570.

Sarawak, *Beccari* 3260, 3261!, 3389, *Foxworthy* 122!, 124!, 163!; Dutch Borneo, *Teysmann* 8261! Singapore.

3. *Cotylelobium harmandii* Heim Recherch. Dipt. (1892) 122; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 115. *Vatica harmandii* Heim in Bull. Soc. Linn. Paris 2 (1891) 955.

Sarawak, *Beccari* 3132!, *Haviland* 924. Endemic.

4. *Cotylelobium melanoxyton* (Hook. f.) Pierre Fl. Forest. Cochinch. 3 (1891) sub t. 235; Heim Recherch. Dipt. (1892) 120; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 115. *Anisoptera melanoxyton* Hook. f. in Trans. Linn. Soc. 23 (1860); Walp. Ann. 7 (1868) 378; A. DC. Prodr. 16|2 (1868) 616; Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 221. *Vatica melanoxyton* Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 85; A. DC. Prodr. 16|2 (1868) 616, in syn., Heim in Bull. Soc. Linn. Paris 2 (1891) 956.

Labuan, *Motley*; Sarawak, *Beccari* 1566, 3139! Endemic.

1. *Cotylelobiopsis beccariana* Heim Recherch. Dipt. (1892) 125; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 116, in note.

Sarawak, *Beccari*. A monotypic genus of uncertain status. =? *Cotylelobium beccarii* Pierre.

1. *Vatica bancana* Scheff. in Nat. Tijdschr. Nederl. Ind. 31 (1870) 348.

Sarawak, *Native collector* 860! *Bur. Sci.* Banca, Sumatra.

2. *Vatica borneensis* Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 230; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 133.

Sarawak, *Beccari* 2623! Endemic.

3. *Vatica bureavi* Heim in Bull. Soc. Linn. Paris 2 (1891) 955; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 133, t. 3, f. 20, 21.

Sarawak, *Beccari* 3283, 3333!, *Haviland* 1946; British North Borneo, *Villamil* 45! Endemic.

4. *Vatica havilandii* Brandis in Journ. Linn. Soc. Bot. 31 (1895) 133.

Sarawak, *Haviland*. Endemic.

5. *Vatica oblongifolia* Hook. f. in Trans. Linn. Soc. 23 (1860) 160; Walp. Ann. 7 (1868) 378; A. DC. Prodr. 16|2 (1868) 619; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 85; Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 228; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 126. *Vatica furfuracea* Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 228; Becc. Nelle Foreste di Borneo (1902) 570.

Sarawak, *Low*, *Beccari* 2718! Endemic.

6. *Vatica obtusa* Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 228.

Dutch Borneo, *Teysmann* 11352. Endemic; possibly the same as *Pachynocarpus ruminatus* Brandis.

7. *Vatica pedicellata* Brandis in Journ. Linn. Soc. Bot. 31 (1895) 125, t. 3, f. 12-14.

Sarawak, *Haviland*. Endemic.

8. *Vatica rassak* (Korth.) Blume Mus. Bot. Lugd.-Bat. 2 (1856) 31; Miq. Fl. Ind. Bat. 1|2 (1858-59) 502, Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 85; A. DC. Prodr. 16|2 (1868) 619; Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 225; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 125. *Retinodendron rassak* Korth. Verh. Nat. Gesch. Bot. (1839-42) 56, t. 8.

Dutch Borneo, *Korthals*. Endemic.

9. *Vatica urbani* Heim in Bull. Soc. Linn. Paris 2 (1891) 956; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 133. *Vatica beccarii* Dyer ex Brandis l.c. in syn.

Sarawak, *Beccari* 1625!, 1969, 2536. Endemic.

10. *Vatica venulosa* Blume Mus. Bot. Lugd.-Bat. 2 (1856) 32; Miq. Fl. Ind. Bat. 1|2 (1858-59) 502; A. DC. Prodr. 16|2 (1868) 623; Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 232.

Borneo, fide *Blume* l.c. Endemic; a species of uncertain status.

1. *Pachynocarpus umbonatus* Hook. f. in Trans. Linn. Soc. 23 (1860) 159, t. 22; Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 85; A. DC. Prodr. 16|2 (1868) 617; Brandis in Journ. Linn. Soc. Bot. 31 (1895) 135, t. 3, f. 25. *Vatica umbonata* Burck in Ann. Jard. Bot. Buitenz. 6 (1887) 232.

Labuan, *Motley, Barber*; Sarawak, *Beccari 1104, 3278, 3942, 3278!*, *Haviland 1903*. Endemic.

2. *Pachynocarpus verrucosus* (Burck) Brandis in Journ. Linn. Soc. Bot. **31** (1895) 136. *Vatica verrucosa* Burck in Ann. Jard. Bot. Buitenz. **6** (1887) 232, t. 29, f. 5.

Dutch Borneo, *Teysmann*. Endemic.

Bixaceae.

1. *Bixa orellana* Linn. Sp. Pl. (1753) 512; Becc. Nelle Foreste di Borneo (1902) 594.

Sarawak, *Beccari*; British North Borneo, *Villamil 298!* Pantropic in cultivation, a native of tropical America.

Violaceae.

1. *Viola serpens* Wall. in Roxb. Fl. Ind. **2** (1824) 449; Stapf. in Trans. Linn. Soc. Bot. **4** (1894) 131.

British North Borneo, *Haviland 1275*. India to southern China and Java.

1. *Ionidium enneaspermum* (Linn.) Vent. Jard. Malm. **1** (1803) sub t. 27; Miq. Fl. Ind. Bat. 1|2 (1858-59) 115.

Dutch Borneo, *Korthals*. Tropical Africa and Asia to Australia.

1. *Rinorea anguifera* (Lour.) O. Kuntze Rev. Gen. Pl. (1891) 42 var. *nervosa* (Capit.) Merr. in Philip. Journ. Sci. **11** (1916) Bot. 100. *Alsodeia echinocarpa* Korth. var. *nervosa* Capit. in Bull. Soc. Bot. France **57** (1910) 394.

Dutch Borneo, *Teysmann 3505*; Sarawak, *Native collector 438!, 878!, 1370!* *Bur. Sci., Foxworthy 168!* The variety endemic, the species Indo-China to the Malay Peninsula and Sumatra.

2. *Rinorea comosa* (King) comb. nov. *Alsodeia comosa* King in Journ. As. Soc. Beng. 58|2 (1889) 407; Capit. in Bull. Soc. Bot. France **57** (1910) 392.

Dutch Borneo, *Hallier 1667*. Malay Peninsula.

3. *Rinorea hirtella* (Ridl.) comb. nov. *Alsodeia hirtella* Ridl. in Kew Bull. (1914) 377.

Sarawak, *Haviland 1997, 1715, Beccari 2878*. Penang.

4. *Rinorea horneri* (Korth.) O. Kuntze Rev. Gen. Pl. (1891) 42. *Alsodeia horneri* Korth. in Nederl. Kruidk Arch. **1** (1848) 360; Walp. Ann. **2** (1850-51) 67; Miq. Fl. Ind. Bat. 1|2 (1858-59) 116, Ann. Mus. Bot. Lugd.-Bat. **4** (1868-69) 214.

Dutch Borneo, *Korthals*. Endemic.

5. **Rinorea javanica** (Blume) O. Kuntze Rev. Gen. Pl. (1891) 42. *Prothesia javanica* Blume Bijdr. (1826) 867. *Alsodeia javanica* Endl. Fl. Ind. Bat. 1|2 (1858-59) 117; Oudem. in Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 71.

Dutch Borneo, *Korthals*. Sumatra, Java.

6. **Rinorea obtusa** (Korth.) O. Kuntze Rev. Gen. Pl. (1891) 42. *Alsodeia obtusa* Korth. in Nederl. Kruidk. Arch. 1 (1848) 359; Walp. Ann. 2 (1850-51) 67; Miq. Fl. Ind. Bat. 1|2 (1858-59) 115, Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 69, 4 (1868-69) 215.

Dutch Borneo, *Korthals*. Sumatra.

7. **Rinorea macropyxis** (Capit.) comb. nov. *Alsodeia macropyxis* Capit. in Bull. Soc. Bot. France 57 (1910) 395.

Dutch Borneo, *Hallier 1506*. Endemic.

Flacourtiaceae.

1. **Pangium edule** Reinw. in Syll. Ratisb. 2 (1828) 12; Becc. Nelle Foreste di Borneo (1902) 598.

Sarawak, *Beccari*; British North Borneo, *Clemens 11221!* Malay Peninsula and Archipelago.

1. **Ryparosa acuminata** Merr. in Philip. Journ. Sci. 11 (1916) Bot. 100.

Sarawak, *Hose 501!*; British North Borneo, *Villamil 397!* Endemic.

2. **Ryparosa hirsuta** J. J. Sm. in Ic. Bogor. 4 (1910) 57, t. 317.

Dutch Borneo, *Hallier 2781!* Endemic.

3. **Ryparosa oligophlebia** Merr. in Philip. Journ. Sci. 13 (1918) Bot. 97.

British North Borneo, *Villamil 263!* Endemic.

1. **Scolopia rhinantha** (Benn.) Clos. in Ann. Sci. Nat. IV 8 (1857) 252; King in Journ. As. Soc. Beng. 59|2 (1890) 114. *Phoberos rhinantha* Benn. Pl. Jav. Rar. (1840) 187, t. 39.

Borneo, fide *King l.c.* Malay Peninsula, Java.

1. **Homalium hosei** Merr. in Philip. Journ. Sci. 11 (1916) Bot. 98.

Sarawak, *Hose 128!*, 270!, 409!, *Native collector 1377!*, 1943! *Bur. Sci.*; British North Borneo, *Villamil 307!* Endemic.

2. **Homalium moultonii** Merr. in Philip. Journ. Sci. 11 (1916) Bot. 97.

Sarawak, *Native collector 2376!* *Bur. Sci.* Endemic.

3. **Homalium myrianthum** Baker in Kew Bull. (1906) 23. British North Borneo, *Creagh*. Endemic.

4. **Homalium parvifolium** Hook. f. ex Benth. in Journ. Linn. Soc. Bot. 4 (1860) 37. Borneo, *Lobb*. Endemic.

1. **Flacourtia jangomas** (Lour.) Steud. Nomencl. (1821) 343. *Flacourtia cataphracta* Roxb. ex Willd. Sp. Pl. 4 (1805) 830. Sarawak, *Foxworthy 111!*, 282! India to Malaya.

2. **Flacourtia rukam** Zoll. & Mor. Syst. Verzeich (1854) 33; Merr. in Philip. Journ. Sci. 11 (1916) Bot. 97.

Sarawak, *Native collector 2527!* *Bur. Sci.* Malay Peninsula and Archipelago to the Philippines and Samoa. *Flacourtia acida* Becc. Nelle Foreste di Borneo (1902) 201 is a *nomen nudum* unaccompanied by description; it is from Sarawak.

1. **Osmelia borneensis** Merr. in Philip. Journ. Sci. 11 (1916) Bot. 98.

Sarawak, *Hose 323!*, *Native collector 642!*, 643!, 1143!, 1144!, 1145!, 1152!, 1168!, 1826!, 1908! *Bur. Sci.* Endemic.

1. **Casearia capitellata** Blume Mus. Bot. Lugd.-Bat. 1 (1850) 254; Walp. Ann. 2 (1850-51) 277; Miq. Fl. Ind. Bat. 1|1 (1856-57) 709.

Dutch Borneo, *Muller*. Endemic.

2. **Casearia elliptifolia** Merr. in Philip. Journ. Sci. 11 (1916) Bot. 92.

Sarawak, *Hose 528!* Endemic.

3. **Casearia grewiaefolia** Vent. Choix. Pl. Cult. (1803) 48; Miq. Fl. Ind. Bat. 1|1 (1856-57) 706.

Dutch Borneo, *Korthals*. Malay Peninsula and Archipelago.

4. **Casearia hosei** Merr. in Philip. Journ. Sci. 11 (1916) Bot. 93.

Sarawak, *Hose 483!*, *Native collector 2932!* *Bur. Sci.* Endemic.

5. **Casearia impressinervia** Merr. in Philip. Journ. Sci. 11 (1916) Bot. 96.

Sarawak, *Native collector 1731!* *Bur. Sci.* Endemic.

6. **Casearia laurina** Blume Mus. Bot. Lugd.-Bat. 1 (1850) 253; Miq. Fl. Ind. Bat. 1|1 (1856-57) 712.

Dutch Borneo, *Korthals*. Endemic.

7. **Casearia leucolepis** Turcz. in Bull. Soc. Nat. Mosc. 31 (1858) 463; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 164; Merr. in Philip. Journ. Sci. 11 (1916) Bot. 96.

British North Borneo, *Haviland 1388*; Sarawak, *Hose 79!* Endemic?; Lobb's specimen on which the species was based was probably from Borneo, not from Luzon or Singapore as it is localized on the labels in various herbaria.

8. *Casearia minutidens* Merr. in Philip. Journ. Sci. **11** (1916) Bot. 94.

Sarawak, *Hose 407!* Endemic.

9. *Casearia pubescens* Merr. in Philip. Journ. Sci. **11** (1916) Bot. 95.

Sarawak, *Hose 454!* Endemic.

10. *Casearia rugulosa* Blume Mus. Bot. Lugd.-Bat. **1** (1850) 255; Miq. Fl. Ind. Bat. **1**|**1** (1856-57) 712.

Dutch Borneo, *Muller*. Endemic.

Passifloraceae.

1. *Passiflora foetida* Linn. Sp. Pl. (1753) 959; Merr. in Journ. Str. Branch Roy. As. Soc. **77** (1917) 204.

British North Borneo, *Villamil 313!*, *Clemens 9616*; Sarawak, *Foxworthy 481!*, *Hose 89!*. Pantropic; a native of tropical America.

2. *Passiflora laurifolia* Linn. Sp. Pl. (1753) 956; Merr. in Journ. Str. Branch Roy. As. Soc. **77** (1917) 204.

British North Borneo, *Clemens 9696!*, *Villamil 254 bis!*, *Yates 77!* Pantropic in cultivation; a native of tropical America.

3. *Passiflora quadrangularis* Linn. Syst. ed. 10 (1759) 1248; Becc. Nelle Foreste di Borneo (1902) 600.

Sarawak, *Beccari*. Pantropic in cultivation; a native of tropical America.

1. *Adenia clementis* Merr. in Philip. Journ. Sci. **13** (1918) Bot. 95.

British North Borneo, *Clemens 10166!*, *10223!* Endemic.

2. *Adenia longipedunculata* Merr. in Philip. Journ. Sci. **13** (1918) Bot. 96.

British North Borneo, *Agama 437!* Endemic.

3. *Adenia quadrifida* Merr. in Philip. Journ. Sci. **13** (1918) Bot. 94.

British North Borneo, *Clemens 11138!*, *10091!* Endemic.

Caricaceae.

1. *Carica papaya* Linn. Sp. Pl. (1753) 1036; Becc. Nelle Foreste di Borneo (1902) 65, 599.

Sarawak, *Beccari*; British North Borneo, *Clemens*! The papaya, pantropic in cultivation and as a naturalized plant, a native of tropical America.

Datisceae.

1. *Octomeles sumatrana* Miq. Fl. Ind. Bat. Suppl. (1860-61) 336; Becc. Nelle Foreste di Borneo (1902) 579.

Sarawak, *Beccari*. Sumatra to the Philippines and New Guinea.

Begoniaceae.

1. *Begonia adenostegia* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 164; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 261; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 84.

British North Borneo, *Haviland* 1270!, *Gibbs* 3948!, *Clemens* 10209!, *Haslam*! Endemic.

2. *Begonia beryllae* Ridl. in Sarawak Mus. Journ. 2 (1915) 176.

British North Borneo, fide *Ridley* l.c. Endemic.

3. *Begonia borneensis* A. DC. in Ann. Sci. Nat. IV 11 (1859) 128, Prodr. 15|1 (1864) 320; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 166; Ridl. in Journ. Str. Branch Roy. As. Soc. 33 (1900) 22, 46 (1906) 250; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 84.

British North Borneo, *Haviland* 1189, *Gibbs* 2927, *Clemens* 10393! 10386!, 10387!, *Haslam*!, *Topping* 1585!; Labuan, *Lobb*, *Barber*; Sarawak, *Shelford*, *Native collector* 1822!, 2410! *Bur. Sci.* Endemic.

4. *Begonia burbidgei* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 165; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 256; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 84.

British North Borneo, *Burbidge*, *Haviland* 1188, *Gibbs* 4124. Endemic.

5. *Begonia calcarea* Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 260.

Sarawak, *Haviland*, *Native collector* 2136! *Bur. Sci.* Endemic.

6. *Begonia congesta* Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 253.

Sarawak, *Ridley*, *Haviland & Hose* 3224. Endemic.

7. *Begonia diadema* Linden in Ill. Hort. 29 (1882) t. 446; Kew Bull. Add. Series 4 (1900) 52.

Introduced into cultivation from Borneo. Endemic.

8. *Begonia elatostemma* Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 255.

Sarawak, *Haviland* 2946. Endemic.

9. *Begonia gueritziana* Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 82, fig.

British North Borneo, *Gibbs* 2892. Endemic.

10. *Begonia havilandii* Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 258.

Sarawak, *Haviland* 279. Endemic.

11. *Begonia hullettii* Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 255.

Sarawak, *Hullett, Ridley* 11776. Endemic.

12. *Begonia inostegia* Hook. Ic. IV 4 (1894) t. 2309, Trans. Linn. Soc. Bot. 4 (1894) 166; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 253.

British North Borneo, *Haviland* 1109. Endemic.

13. *Begonia microptera* Hook. f. in Curtis's Bot. Mag. t. 4974; A. DC. Prodr. 15|1 (1864) 398.

Borneo, *Low*, fide *A. de Candolle* l.c. Endemic.

14. *Begonia mollis* A. DC. Prodr. 15|1 (1864) 391; Koord. Exkursfl. Java 2 (1912) 648.

Dutch Borneo, *Korthals*. Java.

15. *Begonia oblongifolia* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 165; Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 251.

British North Borneo, *Haviland* 1308, *Topping* 1534!, *Clemens* 10078!, *10181!*; Sarawak, *Hullett, Ridley, Haviland*. Endemic.

16. *Begonia pendula* Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 257.

Sarawak, *Ridley* 11772. Endemic.

17. *Begonia polygonoides* Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 254.

Sarawak, *Ridley* 11770, *Haviland* 1906, *Native collector* 719! *Bur. Sci.* Endemic.

18. *Begonia promethea* Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 259.

Sarawak, *Haviland* 485, 188. Endemic.

19. **Begonia propinqua** Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 249.

Sarawak, *Hullett*, *Haviland*, *Ridley* 11771, *Foxworthy* 358!, *Native collector* 1656! *Bur. Sci.* Endemic.

20. **Begonia pryeriana** Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 252.

British North Borneo, *Ridley*. Endemic.

21. **Begonia pubescens** Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 254; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 85.

Sarawak, *Hullett* 346, *Haviland* 76, *Ridley*; British North Borneo, *Gibbs* 2874. Endemic.

22. **Begonia pyrria** Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 260.

Sarawak, *Haviland* 2034, 1848. Endemic.

23. **Begonia rubida** Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 256.

Sarawak, *Ridley* 12393, *Haviland* 94. Endemic.

24. **Begonia repens** Blume Enum. Pl. Jav. 1 (1827) 95. *Diploclinium repens* Miq. Fl. Ind. Bat. 1|1 (1856-57) 686.

Borneo, fide *Miquel* l.c. Java.

25. **Begonia sarawakensis** Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 250.

Sarawak, *Haviland* 76, 786. Endemic.

26. **Begonia speluncae** Ridl. in Journ. Str. Branch Roy. As. Soc. 46 (1906) 258.

Sarawak, *Ridley* 11773, *Haviland* 873. Endemic.

Turneraceae.

1. **Turnera ulmifolia** Linn. Sp. Pl. (1753) 271.

British North Borneo, *Clemens* 9534!, *Topping* 1393!, *Foxworthy* 610! A native of tropical America, introduced and naturalized in various parts of the Old World.

Thymelaeaceae.

1. **Aquilaria beccariana** Van Tiegh. in Bull. Soc. Bot. France 40 (1893) 77; Ann. Sci. Nat. Bot. VII 17 (1893) 217; Becc. Nelle Foreste di Borneo (1902) 592.

Sarawak, *Beccari* 2339. Endemic.

2. *Aquilaria borneensis* Van Tiegh. in Ann. Sci. Nat. Bot. VII 17 (1893) 217; Gilg. in Engl. & Prantl Nat. Pflanzenfam. 3/6a (1894) 224. *Aquilariella borneensis* Van Tiegh. in Bull. Soc. Bot. France 40 (1893) 77.

Sarawak, *Beccari 2570*. Endemic.

3. *Aquilaria malaccensis* Lam. Encycl. 1 (1783) 49; Ridl. in Journ. Str. Branch Roy. As. Soc. 35 (1901) 73.

Dutch Borneo, *De Vriese!* Malay Peninsula, Sumatra, Banca, Philippines.

4. *Aquilaria microcarpa* Bail. Adansonia 11 (1875) 304; Becc. Nelle Foreste di Borneo (1902) 592; Ridl. in Journ. Str. Branch Roy. As. Soc. 35 (1901) 80; Van Tiegh. in Ann. Sci. Nat. Bot. VII 17 (1893) 216. *Aquilariella microcarpa* Van Tiegh. in Bull. Soc. Bot. France 40 (1893) 77.

Sarawak, *Beccari 2886*. Endemic.

1. *Wikstroemia acuminata* Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 99.

British North Borneo, *Villamil 185!* Endemic.

2. *Wikstroemia clementis* Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 99.

British North Borneo, *Clemens 9964!*, *10419!* Endemic.

3. *Wikstroemia ridleyi* Gamble in Kew Bull. (1912) 200; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 132.

British North Borneo, *Gibbs 2590*. Malay Peninsula.

4. *Wikstroemia subcoriacea* Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 100.

British North Borneo, *Clemens 11075!* Endemic.

1. *Drapetes ericoides* Hook. f. Ic. II 5 (1852) t. 895; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 221; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 132. *Daphnobryon ericoides* Meissn. in DC. Prodr. 14 (1857) 566; Miq. Fl. Ind. Bat. 1|1 (1856-57) 881.

British North Borneo, *Low, Haviland 1078, Gibbs 4180, 4203, Clemens 10616!*, *Topping 1692!* New Guinea.

Lythraceae.

1. *Rotala indica* (Willd.) Koehne in Engl. Bot. Jahrb. 1 (1880) 172, Pflanzenreich 17 (1903) 40.

British North Borneo, *Clemens 9766!* India to Japan southward to the Philippines and Indo-China.

1. *Lagerstroemia speciosa* (Linn.) Pers. Syn. 2 (1807) 72; Koehne in Engl. Pflanzenreich 17 (1903) 261. *Lagerstroemia reginae* Roxb.; Becc. Nelle Foreste di Borneo (1902) 579.

Sarawak, *Native collector* 2667!, 1113! *Bur. Sci.*; British North Borneo, *Clemens* 9507!, *Villamil* 366! India to southern China southward to tropical Australia.

1. *Lawsonia inermis* Linn. Sp. Pl. (1753) 349; Koehne in Engl. Pflanzenreich 17 (1903) 270, f. 59.

Borneo, in cultivation. Pantropic in cultivation, the henna plant.

1. *Pemphis acidula* Forst. Char. Gen. (1776) 68, t. 34; Koehne in Engl. Pflanzenreich 17 (1903) 185, f. 30 B.

Sarawak, *Native collector* 2301! *Bur. Sci.* Along the seashore, tropical East Africa to southern China, Australia and Polynesia.

1. *Punica granatum* Linn. Sp. Pl. (1753) 472; Korth. in Nederl. Kruidk. Arch. 1 (1848) 198; Miq. Fl. Ind. Bat. 1|1 (1855) 495.

Dutch Borneo, *Korthals*. The pomegranate, cultivated in all tropical and subtropical countries.

Sonneratiaceae.

1. *Sonneratia alba* Sm. in Rees Cycl. 33 (1816) No. 2; Becc. Nelle Foreste di Borneo (1902) 579. *Sonneratia lanceolata* Blume Mus. Bot. Lugd.-Bat. 1 (1851) 337; Miq. Fl. Ind. Bat. 1|1 (1855) 497, ex descr.

Dutch Borneo, *Korthals*; Sarawak, *Beccari*, *Foxworthy* 7!, 185!; British North Borneo, *Villamil* 281!, *Clemens* 9692! Along the seashore, India to Malaya.

2. *Sonneratia caseolaris* (Linn.) Engl. in Engl. & Prantl Nat. Pflanzenfam. Nachtr. 1 (1897) 261. *Rhizophora caseolaris* Linn. in Stickm. Herb. Amb. (1754) 13, Sp. Pl. ed. 2 (1762) 635. *Sonneratia acida* Linn. f. Suppl. (1781) 252; Boerl. Handl. Fl. Nederl. Ind. 1 (1890) 538. *Sonneratia ovalis* Korth. in Nederl. Kruidk. Arch. 1 (1848) 198; Miq. Anal. Bot. Ind. 1 (1850) 28?

Sarawak, *Sarawak Museum* 141?; Dutch Borneo, *Korthals*. India to Malaya.

Lecythidaceae.

1. *Barringtonia asiatica* (Linn.) Kurz in Journ. As. Soc. Beng. 45|1 (1876) 131; 46|2 (1877) 70. *Mammea asiatica* Linn. Sp. Pl. (1753) 512. *Barringtonia speciosa* Forst. Char. Gen. (1776) 76, t. 38, f. A-C; Miq. Anal. Bot. Ind. 1 (1850) 28; Fl. Ind. Bat. 1|1 (1855) 485.

Sarawak, *Native collector* 2312! *Bur. Sci.*, *Foxworthy* 416! Along the seashore, India to Polynesia.

2. *Barringtonia conoidea* Griff. Not. 4 (1854) 656; Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 204. *Barringtonia alata* Wall. Cat. (1831) No. 3633, *nomen nudum*. *Butonica alata* Miers in Trans. Linn. Soc. Bot. 1 (1875) 70, t. 14, f. 10-15.

Sarawak, *Foxworthy 4!*, *Native collector 1400!* Bur. Sci. Burma, Malay Peninsula.

3. *Barringtonia curranii* Merr. in Philip. Journ. Sci. 1 (1906) Suppl. 211; Journ. Str. Branch Roy. As. Soc. 77 (1917) 204.

British North Borneo, *Clemens 10139!*, *10213!* Palawan.

4. *Barringtonia dolichobotrys* Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 204.

Sarawak, *Sarawak Museum!*; British North Borneo, *Villamil 278!* *Woods 443!* Endemic; to be compared here is *Beccari 3255*, reported by Miers, Trans. Linn. Soc. Bot. 1 (1875) 99, as representing *Doxomma pendula* (Griff.) Miers, a rare Burmese species.

5. *Barringtonia dolichophylla* Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 205.

Sarawak, *Hose 610!* Endemic.

6. *Barringtonia macrostachya* (Jack) Kurz in Journ. As. Soc. Beng. 46|2 (1877) 71; King in Journ. As. Soc. Beng. 70|2 (1901) 137. *Doxomma macrostachyum* Miers in Trans. Linn. Soc. Bot. 1 (1875) 104. *Barringtonia acuminata* Korth. in Nederl. Kruidk. Arch. 1 (1848) 206; Walp. Ann. 2 (1850-51) 641; Miq. Fl. Ind. Bat. 1|1 (1855) 490. *Stravadium acuminatum* Blume in Van Houtte Fl. Serr. 7 (1851) 24. *Doxomma acuminatum* Miers in Trans. Linn. Soc. Bot. 1 (1875) 102.

Sarawak, *Beccari 1535!*; Dutch Borneo, *Korthals*. Burma, Malay Peninsula.

7. *Barringtonia racemosa* (Linn.) Blume ex DC. Prodr. 3 (1828) 288; Korth. in Nederl. Kruidk. Arch. 1 (1848) 205; Miq. Anal. Bot. Ind. 1 (1850) 28. *Barringtonia elongata* Korth. in Nederl. Kruidk. Arch. 1 (1848) 206; Walp. Ann. 2 (1850-51) 641.

Dutch Borneo, *Korthals!*; Sarawak, *Foxworthy 23!*, *Sarawak Museum 191!* Near the seashore, India to Polynesia.

8. *Barringtonia reticulata* Miq. Fl. Ind. Bat. 1|1 (1855) 490; Walp. Ann. 4 (1857) 851. *Barringtonia acutangula* Korth. in Nederl. Kruidk. Arch. 1 (1848) 206, non Gaertn. *Stravadium reticulatum* Blume in Van Houtte Fl. Serr. 7 (1851) 24; Miers in Trans. Linn. Soc. Bot. 1 (1875) 87.

Dutch Borneo, *Korthals*, *Motley* 53, 582. Philippines; see *Barringtonia spicata* Blume.

9. *Barringtonia spicata* Blume Bijdr. (1826) 1097; King in Journ. As. Soc. Beng. 70|2 (1901) 141.

Borneo, *Motley* 537, 582, fide *King*, but *Miers* refers these to *Barringtonia reticulata* Miq. Malay Peninsula, Java; see *Barringtonia reticulata* Miq.

10. *Barringtonia sumatrana* Miq. Fl. Ind. Bat. Suppl. (1860-61) 315. *Doxomma sumatrana* *Miers* in Trans. Linn. Soc. Bot. 1 (1875) 103.

Sarawak, *Beccari* 851, 1554, *Foxworthy* 29!, *Native collector* 152!, 2313! *Bur. Sci.* Singapore, Sumatra, Celebes.

1. *Planchonia elliptica* *Miers* in Trans. Linn. Soc. Bot. 1 (1875) 93.

Borneo, *Motley* 750; British North Borneo, *Villamil* 29! Endemic.

Rhizophoraceae.

1. *Gynotroches axillaris* Blume Bijdr. (1825) 219. *Gynotroches dryopetalum* Blume Mus. Bot. Lugd.-Bat. 1 (1849) 127; *Miq.* Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 67.

Sarawak, *Hose* 114!, *Native collector* 140!, 658!, 659!, 1013!, 1982! *Bur. Sci.*; British North Borneo, *Clemens* 9845! Malay Peninsula and Archipelago to the Philippines.

2. *Gynotroches micrantha* Blume Mus. Bot. Lugd.-Bat. 1 (1849) 127; *Walp.* Ann. 2 (1850-51) 530; *Miq.* Fl. Ind. Bat. 1|1 (1856-57) 593; *Benth.* in Journ. Linn. Soc. Bot. 3 (1859) 77.

Borneo, fide *Blume* l.c. Sumatra.

1. *Ceriops roxburghiana* *Arn.* in Ann. Nat. Hist. 1 (1838) 364.

Sarawak, *Foxworthy* 117! Tidal forests in the tropics of the Old World.

2. *Ceriops tagal* (*Perr.*) *C. B. Rob.* in Philip. Journ. Sci. 3 (1908) Bot. 306. *Ceriops candolleana* *Arn.* in Ann. Nat. Hist. 1 (1838) 364.

British North Borneo, *Foxworthy* 625!; Sarawak, *Foxworthy* 286! Distribution the same as for the preceding species.

1. *Rhizophora candelaria* *DC.* Prodr. 3 (1828) 32; *Merr.* Interpret. Herb. Amb. (1917) 387. *Rhizophora conjugata* *Auct.*, non *Linn.*

Sarawak, *Foxworthy* 2!, 289!, *Hose* 606!, *Native collector* 1629!, 2305! *Bur. Sci.* British North Borneo, *Foxworthy* 622! Tidal forests, tropics of the Old World.

2. **Rhizophora mucronata** Lam. Encycl. 6 (1804) 169.

Sarawak, *Foxworthy 1!* British North Borneo, *Foxworthy 620!*
Range of the preceding species.

1. **Kandelia candel** (Linn.) comb. nov. *Rhizophora candel*
Linn. Sp. Pl. (1753) 443. *Kandelia rheedii* W. & A. Prodr.
(1834) 310; Ann. Nat. Hist. 1 (1838) 365.

Sarawak, *Foxworthy 12!*, *Hose 510!* Tidal swamps, India to
southern China.

1. **Carallia borneensis** Oliv. in Hook. Ic. Pl. IV 5 (1896)
t. 2459.

British North Borneo, *Creagh*; Labuan, *Motley*. Endemic.

2. **Carallia celebica** Blume Mus. Bot. Lugd.-Bat. 1 (1849)
131; Benth. in Journ. Linn. Soc. Bot. 3 (1859) 75.

Borneo, *Motley*. Celebes.

3. **Carallia confinis** Blume Mus. Bot. Lugd.-Bat. 1 (1849)
129; Miq. Fl. Ind. Bat. 1|1 (1856-57) 595.

Borneo, fide *Blume* l.c. (var. *pauciflora* Blume). Sumatra.

4. **Carallia cuspidata** Blume Mus. Bot. Lugd.-Bat. 1 (1849)
129; Miq. Fl. Ind. Bat. 1|1 (1856-57) 594, Ann. Mus. Bot.
Lugd.-Bat. 2 (1865-66) 67; Benth. in Journ. Linn. Soc. Bot. 3
(1859) 75.

Dutch Borneo, *Korthals*. Endemic.

5. **Carallia lucida** Roxb. Pl. Coromandel 3 (1819) t. 211;
Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 74. *Carallia*
integerrima DC.; Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865-66) 66.

Dutch Borneo, *Korthals*; British North Borneo, *Gibbs 2992*.
India to Malaya and the Philippines.

6. **Carallia multiflora** Blume Mus. Bot. Lugd.-Bat. 1
(1849) 131; Miq. Fl. Ind. Bat. 1|1 (1856-57) 596; Benth. in
Journ. Linn. Soc. Bot. 3 (1859) 75.

Dutch Borneo, *Korthals*. Endemic.

1. **Bruguiera conjugata** (Linn.) Merr. in Philip. Journ. Sci.
9 (1914) Bot. 118; Interpret. Herb. Amb. (1917) 388. *Bruguiera*
gymnorhiza Lam.; Becc. Nelle Foreste di Borneo (1902) 578,
594.

Sarawak, *Foxworthy 3!* Muddy seashores and along tidal
streams in the tropics of the Old World.

2. **Bruguiera parviflora** (Roxb.) W. & A. Prodr. (1834)
311.

Sarawak, *Foxworthy* 287!; British North Borneo, *Foxworthy* 626! Tidal forests. India to Malaya.

3. ***Bruguiera sexangula*** (Lour.) Poir. in Lam. Encycl. Suppl. 4 (1816) 262; Merr. Interpret. Herb. Amb. (1917) 389. *Bruguiera eriopetala* W. & A. in Ann. Nat. Hist. 1 (1838) 368.

Sarawak, *Foxworthy* 4!, *Sarawak Museum* 189!, *Hose* 77!, *Native collector* 660!, 1360!, 1624!, 2357! *Bur. Sci.*; British North Borneo, *Foxworthy* 624! Malay Peninsula to tropical Australia.

1. ***Pellacalyx symphyodiscus*** Stapf in Kew Bull. (1898) 224.

Sarawak, *Haviland* 2206. Endemic.

1. ***Anisophyllaea beccariana*** Baill. *Adansonia* 11 (1875) 311.

Sarawak, *Beccari* 1001. Endemic.

2. ***Anisophyllaea disticha*** (Jack) Baill. in *Adansonia* 11 (1875) 311. *Anisophyllum trapezoidale* Baill. *Adansonia* 3 (1862) 24, 36. *Anisophyllaea trapezoidalis* Baill. l.c.; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 75.

British North Borneo, *Gibbs* 2582, *Clemens s.n.*!; Sarawak, *Hose* 67!, 675!, *Native collector* 655! *Bur. Sci.* Malay Peninsula to Sumatra, Banca, and Java.

3. ***Anisophyllaea rhomboidea*** Baill. *Adansonia* 11 (1875) 310.

Sarawak, *Beccari* 1514, *Native collector* 656!, 1463! *Bur. Sci.*, *Foxworthy* 265! Endemic.

Combretaceae.

1. ***Combretum acuminatum*** Roxb. Fl. Ind. ed. 2, 2 (1832) 228. *Combretum neurophyllum* Miq. Fl. Ind. Bat. 1|1 (1856-57) 608.

Dutch Borneo, *Korthals*. India to Java.

2. ***Combretum latifolium*** Blume Bijdr. (1825) 641. *Combretum extensum* Roxb. Hort. Beng. (1814) 28, *nomen nudum*, Fl. Ind. ed. 2, 2 (1832) 229. *Embryogonia latifolia* Blume Mus. Bot. Lugd.-Bat. 2 (1856) 122, Walp. Ann. 4 (1857) 673?

Dutch Borneo, *Korthals*. India to the Malay Peninsula and Java; Blume considers *Embryogonia latifolia* to be distinct from *Combretum latifolium*.

3. ***Combretum punctatum*** Blume Bijdr. (1825) 640; Miq. Fl. Ind. Bat. 1|1 (1858) 1089.

Dutch Borneo, *Korthals*. Malay Peninsula, Sumatra.

4. **Combretum squamosum** Roxb. Fl. Ind. ed. 3, 2 (1832) 231.

British North Borneo, *Clemens* 9979! India to Malaya and the Philippines.

5. **Combretum tetralophum** Clarke in Hook. f. Fl. Brit. Ind. 2 (1878) 454; King in Journ. As. Soc. Beng. 66|2 (1897) 336.

Borneo, fide *King* l.c.; Sarawak, *Foxworthy* 9! Siam, Malay Peninsula.

6. **Combretum trifoliatum** Vent. Choix. (1803) t. 58. *Embryogonia lucida* Blume Mus. Bot. Lugd.-Bat. 2 (1856) 122; Walp. Ann. 4 (1857) 673.

Borneo, fide *Blume* l.c. India to Java.

1. **Quisqualis indica** Linn. Sp. Pl. ed. 2 (1762) 556; Miq. Fl. Ind. Bat. 1|1 (1858) 1089.

Borneo, fide *Miquel* l.c.; Sarawak, *Native collector* 2142! *Bur. Sci. Tropics of the Old World*.

1. **Terminalia catappa** Linn. Mant. 1 (1767) 128, 2 (1771) 519; Becc. Nelle Foreste di Borneo (1902) 601.

Sarawak, *Beccari*, *Foxworthy* 182!, *Native collector* 1068!, 2336! *Bur. Sci.* India to Polynesia, especially near the sea.

2. **Terminalia comintana** (Blanco) Merr. in Philip. Journ. Sci. 4 (1909) 300.

British North Borneo, *Villamil* 30! Philippines.

1. **Lumnitzera littorea** (Jack) Voigt Hort. Suburb. Calcut. (1845) 39. *Lumnitzera coccinea* W. & A. Prodr. (1834) 316; Becc. Nelle Foreste di Borneo (1902) 578.

British North Borneo, *Gibbs* 3046, *Foxworthy* 573!, *Villamil* 54!; Sandakan, *Foxworthy* 288!, *Native collector* 1615!, 2285! *Bur. Sci.* Along the seashore, India to Seychelles, through Malaya to tropical Australia and Polynesia.

2. **Lumnitzera racemosa** Willd. in Ges. Naturf. Neue Schr. 4 (1803) 187.

British North Borneo, *Foxworthy* 618! Along the seashore, tropics of the Old World.

Myrtaceae.

1. **Rhodamnia cinerea** Jack in Malay Miscel. 2|7 (1822) 48; Blume Mus. Bot. Lugd.-Bat. 1 (1849) 78. *Rhodamnia spectabilis* Blume l.c. *Myrtus spectabilis* Blume Bijdr. (1826) 1083; Korth. in Nederl. Kruidk. Arch. 1 (1848) 197. *Rhodamnia mulleri* Blume Mus. Bot. Lugd.-Bat. 1 (1849) 79; Walp. Ann. 2 (1850-51) 627; Miq. Fl. Ind. Bat. 1|1 (1855) 479. *Myrtus*

mulleri Korth. in Nederl. Kruidk. Arch. 1 (1848) 197; Miq. Anal Bot. Ind. 1 (1850) 28. *Rhodamnia subtriflora* Blume Mus. Bot. Lugd.-Bat. 1 (1849) 79; Walp. Ann. 2 (1850-51) 627; Miq. Fl. Ind. Bat. 1|1 (1855) 479.

Dutch Borneo, *Korthals*; British North Borneo, *Villamil 153!*; Sarawak, *Hose 518!*, *Foxworthy 376!* Burma, through Malaya to tropical Australia.

2. *Rhodamnia globosa* (Korth.) Blume Mus. Bot. Lugd.-Bat. 1 (1849) 79; Walp. Ann. 2 (1850-51) 627; Miq. Fl. Ind. Bat. 1|1 (1855) 480. *Myrtus globosa* Korth. in Nederl. Kruidk. Arch. 1 (1848) 197; Miq. Anal. Bot. Ind. 1 (1850) 28.

Dutch Borneo, *Korthals*. Endemic; probably a form of *R. cinerea* Jack.

1. *Myrtus flavida* Stapf in Hook. Ic. IV 3 (1894) t. 2290, Trans. Linn. Soc. Bot. 4 (1894) 151; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 76.

British North Borneo, *Haviland 1155*, *Gibbs 4284*, *Clemens 10525!* Endemic.

2. *Myrtus taxifolia* Ridl. in Kew Bull. (1914) 209.

Sarawak, *Anderson 188*, *Foxworthy 364a!* Endemic.

1. *Psidium cujavillus* Burm. f. Fl. Ind. (1768) 114. *Psidium pumilum* Vahl Symb. 2 (1791) 56; Miq. Anal Bot. Ind. 1 (1850) 16. Dutch Borneo, fide *Miquel* l.c. Pantropic; a native of tropical America.

2. *Psidium guajava* Linn. Sp. Pl. (1753) 470; Becc. Nelle Foreste di Borneo (1902) 600. *Psidium pomiferum* Linn. Sp. Pl. ed. 2 (1762) 672; Miq. Anal Bot. Ind. 1 (1850) 16.

Sarawak, *Beccari*. Pantropic; a native of tropical America. The guava.

1. *Decaspermum fruticosum* Forst. Char. Gen. (1776) 74, t. 37; Merr. Interpret. Herb. Amb. (1917) 392. *Decaspermum paniculatum* Kurz in Journ. As. Soc. Beng. 46 2 (1877) 61; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 150; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 76. *Nelitris lucida* Blume Mus. Bot. Lugd.-Bat. 1 (1849) 74; Miq. Fl. Ind. Bat. 1|1 (1855) 472.

Dutch Borneo, *Korthals*; British North Borneo, *Haviland*, *Gibbs 3009*, *4288*, *Villamil 314!*, *Yates 78!*, *Clemens 9575!*, *9630!*, *9892!*; Sarawak, *Native collector 818!*, *1455!*, *2065!*, *2557!*, *Bur. Sci.* India to tropical Australia and Polynesia.

The following two species of *Nelitris* are doubtfully distinct from *Decaspermum fruticosum* Forst. (*D. paniculatum* Kurz). *Nelitris confinis* Blume Mus. Bot. Lugd.-Bat. 1 (1849) 74; Miq. Fl. Ind. Bat. 1|1 (1855) 475.

Dutch Borneo, *Korthals*.

Nelitris pubescens Miq. Anal. Bot. Ind. 1 (1850) 15, Fl. Ind. Bat. 1|1 (1855) 472; Walp. Ann. 4 (1857) 831.

Dutch Borneo, *Korthals*.

2. ***Decaspermum vitis-idaea*** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 150, t. 11, f. A 1-9.

British North Borneo, *Haviland 1261*. Endemic.

1. ***Rhodomertus tomentosa*** (Ait.) Hassk. in Flora (1842) Beibl. 2, 35; Wight Spicil. Neelgher. 1 (1846) 60, t. 71; Miq. Anal. Bot. Ind. 1 (1850) 16, Fl. Ind. Bat. 1|1 (1855) 477; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 76. *Myrtus tomentosa* Ait.; Korth. in Nederl. Kruidk. Arch. 1 (1848) 197.

Dutch Borneo, *Korthals*; British North Borneo, *Gibbs 2589*, *Topping 1923!*, *Clemens 9604!*; Sarawak, *Native collector 1115!*, *2154!*, *2300!* *Bur. Sci., Hose 62!*; Labuan, *Merrill*. India to Japan southward to Malaya.

1. ****Eugenia aegiceroides*** Korth. ex Miq. Anal. Bot. Ind. 1 (1850) 22, Fl. Ind. Bat. 1|1 (1855) 444. *Syzygium aegiceroides* Korth. in Nederl. Kruidk. Arch. 1 (1848) 203; Walp. Ann. 2 (1850-51) 629.

Dutch Borneo, *Korthals*. Endemic.

2. ***Eugenia alcinae*** Merr. in Philip. Journ. Sci. 10 (1915) Bot. 216, Journ. Str. Branch Roy. As Soc. 79 (1918) 22.

Sarawak, *Haviland 518!* British North Borneo, *Villamil 10!*, *371!*, *Yates 71!* Brunei *Haviland 67|38!* Palawan.

3. ***Eugenia ampullaria*** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 153, t. 11, f. C, 13; Merr. in Journ. Str. Branch Roy. As. Soc. 79 (1918) 21.

British North Borneo, *Haviland 1096*. Endemic.

4. ***Eugenia aquea*** Burm. f. Fl. Ind. (1768) 114. *Jambosa aquea* DC. Prodr. 3 (1828) 288; Miq. Fl. Ind. Bat. 1|1 (1855) 421.

Dutch Borneo, *Korthals*. Widely cultivated in the Indo-Malayan region.

*A number of species described under *Jambosa* and *Syzygium* are not here transferred to *Eugenia*, many of the specific names being invalid in *Eugenia*. These are enumerated alphabetically under *Eugenia* but by their published names whether as *Jambosa* or *Syzygium*.

5. **Eugenia baramensis** Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 218: 79 (1918) 21.

Sarawak, *Hose* 399! *Haviland*! Endemic.

6. **Eugenia besukiensis** (Hassk.) Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 226: 79 (1918) 21. *Microjambosa besukiensis* Hassk. ex Miq. Fl. Ind. Bat. Suppl. (1860-61) 311, in syn. *Jambosa buxifolia* Miq. l.c., non *Eugenia buxifolia* Willd.

Sarawak, *Sarawak Museum* 70! *Haviland* 2091! British North Borneo, *Villamil* 114, *Clemens* 9509! Banca.

7. **Eugenia borneensis** Miq. Anal. Bot. Ind. 1 (1850) 24, t. 7. *Syzygium borneense* Miq. Fl. Ind. Bat. 1|1 (1855) 453; Walp. Ann. 4 (1857) 835. *Syzygium magnoliaefolium* Korth. in Nederl. Kruidk. Arch. 1 (1848) 203, non DC.

Dutch Borneo, *Korthals*. Endemic.

8. **Syzygium campanulatum** Korth. in Nederl. Kruidk. Arch. 1 (1848) 204; Walp. Ann. 2 (1850-51) 630.

Dutch Borneo, *Korthals*. Endemic.

9. **Eugenia capitata** Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 208.

Sarawak, *Native collector* 2309! *Bur. Sci.* Endemic.

10. **Eugenia caryophyllacea** (Gaertn.) Wight l.c. 2, t. 540; Miq. Anal. Bot. Ind. 1 (1850) 25. *Syzygium caryophyllaceum* Gaertn.; Miq. Fl. Ind. Bat. 1|1 (1855) 454; Walp. Ann. 4 (1857) 836.

Dutch Borneo, *Korthals*. An Indian species, the Bornean specimen perhaps erroneously identified.

11. **Eugenia castanea** Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 212: 79 (1918) 22.

Sarawak, *Hose* 673!, 359!, *Native collector* 815!, 1170!, 2178! *Bur. Sci.*, *Foxworthy* 223! *Haviland* 122! Endemic.

12. **Eugenia caudatilimba** Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 216: 79 (1918) 22.

Sarawak, *Native collector* 1169! *Bur. Sci.* *Haviland* 2925! Endemic.

13. **Eugenia chlorantha** Duthie in Hook. f. Fl. Brit. Ind. 2 (1878) 487; Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 226: 79 (1918) 21.

Sarawak, *Native collector* 2436! *Bur. Sci.* *Haviland* 2924! 2926! Malay Peninsula, Sumatra.

14. **Eugenia clavata** (Korth.) Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1817) 225. *Jambosa clavata* Korth. in Nederl. Kruidk. Arch. 1 (1848) 201; Walp. Ann. 2 (1850-51) 638; Miq. Fl. Ind. Bat. 1|1 (1855) 324. *Eugenia rhododendrifolia* Miq. Anal. Bot. Ind. 1 (1850) 19, t. 2.

Dutch Borneo, *Korthals*; Sarawak, *Hose* 689! Endemic.

15. **Eugenia cleistocalyx** Merr. in Philip. Journ. Sci. 13 (1918) Bot. 98. *Jambosa nitida* Korth. in Nederl. Kruidk. Arch. 1 (1848) 202, non *Eugenia nitida* Benth. *Cleistocalyx nitidus* Blume Mus. Bot. Lugd.-Bat. 1 (1849) 84, f. 56. *Eugenia nervosa* Miq. Fl. Ind. Bat. 1|1 (1855) 442, non Lour.

Dutch Borneo, *Korthals*; British North Borneo, *Villamil* 406! Endemic.

16. **Jambosa conferta** Korth. in Nederl. Kruidk. Arch. 1 (1848) 202; Walp. Ann. 4 (1857) 847; Miq. Anal. Bot. Ind. 1 (1850) 28, Fl. Ind. Bat. 1|1 (1855) 434. Merr. in Journ. Str. Branch Roy. As. Soc. 79 (1918) 20. *Microjambosa conferta* Blume Mus. Bot. Lugd.-Bat. 1 (1849) 118; Walp. Ann. 2 (1850-51) 641.

Sarawak, *Haviland*! Dutch Borneo, *Korthals*. Sumatra.

17. **Eugenia confertiflora** Koord. & Val. Bijdr. Boomsoort. Java 6 (1900) 106. *Caryophyllus floribundus* Blume; Korth. in Nederl. Kruidk. Arch. 1 (1848) 198. *Calyptranthus floribundus* Blume Bijdr. (1826) 1091, non *Eugenia floribunda* West.

Dutch Borneo, *Korthals*. Java.

18. **Syzygium conicum** Korth. in Nederl. Kruidk. Arch. 1 (1848) 204; Walp. Ann. 2 (1850-51) 630.

Dutch Borneo, *Korthals*. Endemic.

19. **Eugenia coralina** Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 207; 79 (1918) 20.

Sarawak, *Native collector* 1869! *Bur. Sci. Haviland*! Endemic.

20. **Jambosa cuneata** Blume Mus. Bot. Lugd.-Bat. 1 (1849) 106; Miq. Fl. Ind. Bat. 1|1 (1855) 423.

Dutch Borneo, *Korthals*. Endemic.

21. **Eugenia cymosa** Lam. Encycl. 3 (1789) 199; Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 225.

Sarawak, *Native collector* 2602!, 2644! *Bur. Sci.* India to Malaya.

22. **Eugenia densiflora** (Blume) DC. Prodr. 3 (1828) 287, in syn.; Miq. Anal. Bot. Ind. 1 (1850) 17; Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 225; 79 (1918) 21. *Jambosa densiflora* DC.; Korth. in Nederl. Kruidk. Arch. 1 (1848) 200.

Sarawak, *Hose 445!*, *Hewitt!*, *Native collector 2082!* *Bur. Sci.* (?Sarawak) *Ridley 12388!* Malay Peninsula, Sumatra, Java.

23. *Eugenia elliptilimba* Merr. in Journ. Str. Branch Roy. As. Soc. **77** (1917) 211: **79** (1918) 21.

Sarawak, *Native collector 254!* *Bur. Sci. Haviland 1987!* Endemic.

24. *Eugenia formosa* Wall. Pl. As. Rar. **2** (1831) 6, *t. 108*. *Jambosa formosa* Don; Walp. Ann. **4** (1857) 842. *Jambosa mappacea* Korth. in Nederl. Kruidk. Arch. **1** (1848) 200; Walp. Ann. **2** (1850-51) 638.

Dutch Borneo, *Korthals*. India to Java.

Jambosa glandulosa Korth. in Nederl. Kruidk. Arch. **1** (1848) 201; Walp. Ann. **2** (1850-51) 638; Miq. Anal. Bot. Ind. **1** (1850) 28, Fl. Ind. Bat. **1**|**1** (1855) 483, is not a myrtaceous plant, fide Miquel l.c.

25. *Eugenia grandis* Wight Ill. **2** (1841-50) 17; Merr. in Journ. Str. Branch Roy. As. Soc. **77** (1917) 214: **79** (1918) 21. *Jambosa firma* Blume Mus. Bot. Lugd.-Bat. **1** (1849) 108; Walp. Ann. **2** (1850-51) 637.

Sarawak, *Foxworthy 173!* *Haviland 2920!* Burma, Penang, Malay Peninsula.

26. *Eugenia havilandii* Merr. in Journ. Str. Branch Roy. As. Soc. **77** (1917) 222.

Sarawak, *Native collector 814!* *Bur. Sci., Sarawak Museum 64!*, *55!*, *78!* Endemic.

27. *Eugenia heteroclada* Merr. in Journ. Str. Branch Roy. As. Soc. **77** (1917) 218.

British North Borneo, *Clemens 10127!* Endemic.

28. *Jambosa insignis* Blume Mus. Bot. Lugd.-Bat. **1** (1849) 100. *Jambosa lanceolata* Korth. in Nederl. Kruidk. Arch. **1** (1848) 199; Walp. Ann. **4** (1857) 844, p.p.

Dutch Borneo, *Korthals*. Endemic.

29. *Eugenia jambos* Linn. Sp. Pl. (1753) 470; Miq. Anal. Bot. Ind. **1** (1850) 17; Becc. Nelle Foreste di Borneo (1902) 598.

Sarawak, *Beccari*; British North Borneo, *Villamil 135!* Widely cultivated in the Indo-Malayan region.

30. *Eugenia javanica* Lam. Encycl. **3** (1789) 200. Merr. in Journ. Str. Branch Roy. As. Soc. **79** (1918) 20. *Jambosa javanica* DC.; Korth. in Nederl. Kruidk. **1** (1848) 200. *Jambosa obtusissima* DC.; Korth. in Nederl. Kruidk. Arch. **1** (1848) 200.

Sarawak, *Ridley 12264!* Dutch Borneo, *Korthals*. Widely distributed in the Indo-Malayan region in cultivation.

31. ***Eugenia kalahiensis*** (Korth.) Miq. Anal. Bot. Ind. **1** (1850) 23, *t. 5*. *Syzygium kalahiense* Korth. in Nederl. Kruidk. Arch. **1** (1848) 205; Walp. Ann. **2** (1850-51) 630; Miq. Fl. Ind. Bat. **1|1** (1855) 456.

Dutch Borneo, *Korthals*. Endemic.

32. ***Eugenia kiauensis*** Merr. in Journ. Str. Branch Roy. As. Soc. **77** (1917) 209.

British North Borneo, *Clemens 10132!*, *11104!* Endemic.

33. ***Eugenia kinabaluensis*** Stapf in Trans. Linn. Soc. Bot. **4** (1894) 152, *t. 11, f. B 10-12*.

British North Borneo, *Haviland 1112*. Endemic.

34. ***Eugenia kingii*** Merr. in Journ. Str. Branch Roy. As. Soc. **79** (1918) 22.

Sarawak, *Ridley 9071!* Endemic.

35. ***Eugenia korthalsiana*** Miq. Anal. Bot. Ind. **1** (1850) 25. *Syzygium korthalsianum* Miq. Fl. Ind. Bat. **1|1** (1855) 454; Walp. Ann. **4** (1857) 836.

Dutch Borneo, *Korthals*. Endemic.

36. ***Eugenia kuchingensis*** Merr. in Journ. Str. Branch Roy. As. Soc. **77** (1917) 213; **79** (1918) 20.

Sarawak, *Native collector 258!*, *813!*, *1625!*, *1882!*, *2138!* *Bur. Sci. Haviland!* *2921!* *Hewitt, Foxworthy 152!* Endemic.

37. ***Eugenia laevigata*** Miq. Anal. Bot. Ind. **1** (1850) 25, *t. 8*. *Syzygium laevigatum* Miq. Fl. Ind. Bat. **1|1** (1855) 457; Walp. Ann. **4** (1857) 836.

Dutch Borneo, *Korthals*. Endemic.

38. ***Eugenia lancifolia*** Miq. Anal. Bot. Ind. **1** (1850) 17. *Jambosa lancifolia* Miq. Fl. Ind. Bat. **1|1** (1855) 427; Walp. Ann. **4** (1857) 845. *Jambosa lanceolata* Korth. in Nederl. Kruidk. Arch. **1** (1848) 199, p.p. *Eugenia munroii* Miq. Anal. Bot. Ind. **1** (1850) 18?, non Wight.

Dutch Borneo, *Korthals*. Endemic.

39. ***Eugenia leptostemon*** (Korth.) Miq. Fl. Ind. Bat. **1|1** (1855) 422. *Jambosa leptostemon* Korth. in Nederl. Kruidk. Arch. **1** (1848) 201; Miq. Anal. Bot. Ind. **1** (1850) 28. *Jambosa leptostachya* Blume Mus. Bot. Lugd.-Bat. **1** (1849) 91. *Strongylocalyx leptostachya* Blume op. cit. 89, *f. 54*.

Dutch Borneo, *Korthals*. Endemic.

40. **Eugenia leucoxylon** (Korth.) Miq. Anal. Bot. Ind. **1** (1850) 26, t. 9. *Syzygium leucoxylon* Korth. in Nederl. Kruidk. Arch. **1** (1848) 203; Walp. Ann. **2** (1850-51) 630; Miq. Fl. Ind. Bat. **1|1** (1855) 454.

Dutch Borneo, *Korthals*. Endemic.

41. **Jambosa linearis** Korth. in Nederl. Kruidk. Arch. **1** (1848) 199; Miq. Fl. Ind. Bat. **1|1** (1855) 426, non *Eugenia linearis* Duthie.

Dutch Borneo, *Korthals*. Endemic.

42. **Eugenia lineata** (Blume) Duthie in Hook. f. Fl. Brit. Ind. **2** (1878) 487; Merr. in Journ. Str. Branch Roy. As. Soc. **79** (1918) 20. *Jambosa lineata* DC. Prodr. **3** (1828) 287; Miq. Fl. Ind. Bat. **1|1** (1855) 428. *Jambosa cerasiformis* Korth. in Nederl. Kruidk. Arch. **1** (1848) 201.

Borneo, fide *Miquel* l.c.; Sarawak, *Hewitt*, *Hose* 324!, *Haviland* 67! 2927! *Native collector* 263!, 421!, 422!, 470!, 1692!, 2006!, 2771!, *Bur. Sci.* Malay Peninsula and Archipelago.

43. **Eugenia litseaefolia** Merr. in Journ. Str. Branch Roy. As. Soc. **77** (1917) 215.

Sarawak, *Native collector* 260! *Bur. Sci.* Endemic.

44. **Eugenia lunduensis** Merr. in Journ. Str. Branch Roy. As. Soc. **79** (1918) 25.

Sarawak, *Haviland* 985! Endemic.

45. **Eugenia malaccensis** Linn. Sp. Pl. (1753) 470; Miq. Anal. Bot. Ind. **1** (1850) 18. *Eugenia purpurea* Roxb. Fl. Ind. ed. **2**, **2** (1832) 483; Miq. l.c.

Borneo, fide *Miquel* l.c.; British North Borneo, *Clemens* 11219!, 10210! Widely cultivated in the Indo-Malayan region.

46. **Jambosa media** Korth. in Nederl. Kruidk. Arch. **1** (1848) 199; Blume Mus. Bot. Lugd.-Bat. **1** (1849) 98; Miq. Anal. Bot. Ind. **1** (1850) 284, Fl. Ind. Bat. **1|1** (1855) 424; Walp. Ann. **2** (1850-51) 637.

Dutch Borneo, *Korthals*. Endemic.

47. **Eugenia microbotrya** Miq. Anal. Bot. Ind. **1** (1850) 27, t. 10, Fl. Ind. Bat. **1|1** (1855) 443; Walp. Ann. **4** (1857) 840, *Syzygium cymosum* Korth. in Nederl. Kruidk. Arch. **1** (1848) 202, p.p.

Dutch Borneo, *Korthals*. Endemic.

48. **Eugenia monantha** Merr. in Journ. Str. Branch Roy. As. Soc. **79** (1918) 22.

Sarawak, *Haviland*, 2146! Endemic.

49. **Eugenia moultonii** Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 221.

Sarawak, *Native collector 255!*, *811!* *Bur. Sci.* Endemic.

50. **Eugenia muelleri** Miq. Anal. Bot. Ind. 1 (1850) 23, t. 6. *Syzygium obovatum* Korth. in Nederl. Kruidk. Arch. 1 (1848) 205; Walp. Ann. 2 (1850-51) 630, non DC. *Syzygium mulleri* Miq. Fl. Ind. Bat. 1|1 (1855) 453.

Dutch Borneo, *Korthals*; Sarawak, *Hose 196!* Endemic.

51. **Eugenia multibracteolata** Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 219.

Sarawak, *Foxworthy 443!*, *Native collector 2240!* *Bur. Sci.* Endemic.

52. **Eugenia myrtifolia** Roxb. Fl. Ind. 2 (1832) 490; Miq. Anal. Bot. Ind. 1 (1850) 20. *Syzygium myrtifolium* Wight; Miq. Fl. Ind. Bat. 1|1 (1855) 456.

Borneo, fide *Miquel* l.c. India to the Malay Peninsula and Sumatra.

53. **Eugenia myrtillus** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 153. Merr. in Journ. Str. Branch Roy. As. Soc. 79 (1918) 21.

British North Borneo, *Haviland 1109!* Endemic.

54. **Syzygium neriifolium** Becc. Nelle Foreste di Borneo (1902) 403, f. 65, 5, *nomen nudum*.

Sarawak, *Beccari 3862.* Endemic.

55. **Eugenia oblata** Roxb. Fl. Ind. ed. 2, 2 (1832) 493; Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 225.

British North Borneo, *Clemens 10974!* Chittagong to Java.

56. **Eugenia obversa** Miq. Anal. Bot. Ind. 1 (1850) 18, t. 1, non Berg.

Borneo, fide *Miquel* l.c. Endemic (? *E. javanica* Lam.).

57. **Eugenia operculata** Roxb. Fl. Ind. ed. 2, 2 (1832) 486; Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 224; 79 (1918) 21. *Eugenia cerasoides* Roxb. op. cit. 488; Miq. Anal. Bot. Ind. 1 (1850) 21, Fl. Ind. Bat. 1|1 (1855) 443.

Sarawak, *Haviland!* British North Borneo, *Clemens 10101!* India to Southern China, southward to Java.

58. **Syzygium ovale** Korth. in Nederl. Kruidk. Arch. 1 (1848) 205; Walp. Ann. 2 (1850-51) 630; Anal. Bot. Ind. 1 (1850) 28; Miq. Fl. Ind. Bat. 1|1 (1855) 482, non *Eugenia ovalis* Berg.

Dutch Borneo, *Korthals.* Endemic.

59. **Eugenia palembanica** (Miq.) Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 225. *Syzygium palembanicum* Miq. Fl. Ind. Bat. Suppl. (1860-61) 313. *Eugenia lepidocarpa* Wall. Cat. (1832) No. 3618, *nomen nudum*.

Sarawak, *Native collector 2551!* Bur. Sci. Malay Peninsula, Sumatra, Billiton.

60. **Eugenia pamatensis** Miq. Anal. Bot. Ind. 1 (1850) 22, t. 14, Fl. Ind. Bat. 1|1 (1855) 445; Walp. Ann. 4 (1857) 481. *Syzygium cymosum* Korth. in Nederl. Kruidk. Arch. 1 (1848) 202 p.p.

Dutch Borneo, *Korthals*. Endemic.

61. **Eugenia paradoxa** Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 210.

Sarawak, *Native collector 365!* Bur. Sci. Endemic.

62. **Jambosa peregrina** Blume Mus. Bot. Lugd.-Bat. 1 (1849) 92; Miq. Fl. Ind. Bat. 1|1 (1855) 426.

Dutch Borneo, *Korthals*. Endemic.

63. **Eugenia perparvifolia** Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 220.

Sarawak, *Foxworthy 454!* Endemic.

64. **Eugenia polycephala** Miq. Anal. Bot. Ind. 1 (1850) 19. *Jambosa polycephala* Miq. Fl. Ind. Bat. 1|1 (1855) 439; Walp. Ann. 4 (1857) 849, excl. syn.

Dutch Borneo, *Korthals*. Java.

65. **Eugenia punctilimba** Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 217.

British North Borneo, *Clemens 10888!*; Sarawak, *Native collector 2614!* Bur. Sci. Endemic.

66. **Eugenia punctulata** King in Journ. As. Soc. Beng. 70|2 (1901) 122.

Borneo, fide *King l.c.* Malay Peninsula.

67. **Eugenia rhododendrifolia** Miq. Anal. Bot. Ind. 1 (1850) 19, t. 3 (var. *longifolia* Miq.). *Jambosa borneensis* Miq. Fl. Ind. Bat. 1|1 (1855) 434; Walp. Ann. 4 (1857) 847.

Dutch Borneo, *Korthals*. Endemic.

68. **Eugenia rhynchophylla** Merr. in Journ. Str. Branch Roy. As. Soc. 79 (1918) 26.

Sarawak, *Haviland 2930!* Endemic.

69. **Eugenia riparia** Becc. Nelle Foreste di Borneo (1902) 524, f. 65, 4, *nomen nudum*.

Sarawak, *Beccari* 3880. Endemic.

70. **Eugenia rufo-tomentosa** (Gibbs) Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 223, 79 (1918) 20. *Jambosa rufo-tomentosa* Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 77. *Jambosa hirta* Korth. in Nederl. Kruidk. Arch. 1 (1848) 200; Miq. Anal. Bot. Ind. 1 (1850) 28; Walp. Ann. 2 (1850-51) 638, ex descr., non *Eugenia hirta* Berg.

British North Borneo, *Gibbs* 2990, 3017 bis, *Clemens* 11160!, 9973!; Sarawak, *Haviland & Hose* 992, *Haviland* 970! 3380, 1698! Endemic.

71. **Eugenia rugosa** (Korth.) Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 224: 79 (1918) 21. *Syzygium rugosum* Korth. in Nederl. Kruidk. Arch. 1 (1848) 204. *Eugenia varians* Miq. Anal. Bot. Ind. 1 (1850) 21, p.p.

Dutch Borneo, *Korthals*; Sarawak, *Native collector* 1775! *Bur. Sci. Haviland* 104! Endemic.

72. **Eugenia salaccensis** Koord. & Val. Bijdr. Boomsoort. Java 6 (1900) 144. *Syzygium pyrifolium* DC. Prodr. 3 (1828) 261; Korth. in Nederl. Kruidk. Arch. 1 (1848) 204. *Eugenia pyrifolia* Duthie in Hook. f. Fl. Brit. Ind. 2 (1878) 487, non Desv.

Dutch Borneo, *Korthals*. Singapore, Java.

73. **Eugenia saligna** (Miq.) C. B. Rob. in Philip. Journ. Sci. 4 (1909) Bot. 392; Merr. in Journ. Str. Branch Roy. As. Soc. 79 (1918) 20. *Syzygium cumingianum* Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 76. *Eugenia cumingiana* Vid. Phan. Cuming. Philip. (1885) 173. *Eugenia acuminatissima* Kurz in Journ. As. Soc. Beng. 46|2 (1855) 67, non Miq.

Labuan, *Herb. Singap.*! British North Borneo, *Gibbs* 3021, *Creagh*; Sarawak, *Foxworthy* 143!, *Haviland* 2931! *Hose* 533! India to Malaya, the Philippines, and tropical Australia.

Eugenia saligna Becc. Nelle Foreste di Borneo (1902) 403 is a *nomen nudum*.

74. **Eugenia sarawacensis** Merr. in Journ. Str. Branch Roy. As. Soc. 71 (1917) 214.

Sarawak, *Native collector* 816!, 812! *Bur. Sci.* Endemic.

75. **Eugenia subracemosa** Merr. in Journ. Str. Branch Roy. As. Soc. 79 (1918) 23.

Sarawak, *Haviland* 2928! Endemic.

76. *Eugenia subsessilifolia* Merr. in Journ. Str. Branch Roy. As. Soc. 79 (1918) 24.

Sarawak, *Haviland* 2923! Endemic.

77. *Jambosa tawahensis* Korth. in Nederl. Kruidk. Arch. 1 (1848) 202; Walp. Ann. 2 (1850-51) 636; Miq. Anal. Bot. Ind. 1 (1850) 28, Fl. Ind. Bat. 1|1 (1855-58) 418.

Dutch Borneo, *Korthals*. Endemic.

78. *Syzygium tenellum* Blume ex Miq. Anal. Bot. Ind. 1 (1850) 27, Fl. Ind. Bat. 1|1 (1855-58) 456; Walp. Ann. 4 (1857) 836, non *Eugenia tenella* DC., nec Miq.

Dutch Borneo, *Korthals*. Endemic.

79. *Syzygium tessellatum* Korth. in Nederl. Kruidk. Arch. 1 (1848) 203; Miq. Anal. Bot. Ind. 1 (1850) 28; Walp. Ann. 2 (1850-51) 630; Miq. Fl. Ind. Bat. 1|1 (1855-58) 482.

Dutch Borneo, *Korthals*. Endemic.

80. *Eugenia teysmanni* (Miq.) Koord. & Val. Bijdr. Boomsoort. Jav. 6 (1900) 164. *Jambosa teysmanni* Fl. Ind. Bat. 1|1 (1855) 429. *Clavomyrtus latifolia* Blume Mus. Bot. Lugd.-Bat. 1 (1849) 117; Walp. Ann. 2 (1850-51) 640. *Jambosa latifolia* Miq. Fl. Ind. Bat. 1|1 (1855-58) 429.

Dutch Borneo, *Korthals*. Java.

81. *Eugenia ugoensis* C. B. Rob. in Philip. Journ. Sci. 4 (1909) Bot. 389; Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 226.

British North Borneo, *Clemens* 10973. Philippines.

82. *Syzygium umbellatum* Korth. in Nederl. Kruidk. Arch. 1 (1848) 205; Miq. Fl. Ind. Bat. 1|1 (1855-58) 483; Walp. Ann. 2 (1850-51) 620, non *Eugenia umbellata* DC.

Dutch Borneo, *Korthals*. Endemic.

83. *Eugenia urceolata* (Korth.) King in Journ. As. Soc. Beng. 70|2 (1901) 101. *Jambosa urceolata* Korth. in Nederl. Kruidk. Arch. 1 (1848) 202; Miq. Anal. Bot. Ind. 1 (1850) 28; Fl. Ind. Bat. 1|1 (1855) 418. *Jambosa grandis* Blume var. *urceolata* Blume Mus. Bot. Lugd.-Bat. 1 (1849) 108.

Dutch Borneo, *Korthals*; British North Borneo, *Villamil* 9! Malay Peninsula, Sumatra.

84. *Eugenia villamilii* Merr. in Philip. Journ. Sci. 13 (1918) Bot. 98.

British North Borneo, *Villamil* 229! Endemic.

85. *Eugenia zeylanica* (Linn.) Wight Ic. 1 (1840) 73; Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 227; 79 (1918) 20. *Eugenia varians* Miq. Anal. Fl. Ind. 1 (1850) 21, p.p. *Jambosa*

bracteata Miq. Fl. Ind. Bat. 1|1 (1855) 437; Walp. Ann. 4 (1857) 848. *Syzygium bracteatum* Roxb.; Korth. in Nederl. Kruidk. Arch. 1 (1848) 205. *Eugenia macrorhyncha* Miq. Anal. Bot. Ind. 1 (1850) 21. *Syzygium acuminatissimum* Korth. in Nederl. Kruidk. Arch. 1 (1851) 204, non DC. *Syzygium zeylanicum* DC. Prodr. 3 (1828) 260; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 76.

Dutch Borneo, *Korthals*; British North Borneo, *Gibbs 2979*; *Ridley 9050*! Sarawak, *Native collector 262*!, *476*!, *1117*!, *1453*!, *1854*! *Bur. Sci. Haviland 67*! India to the Malay Peninsula and Java.

1. ***Tetraeugenia caudata*** Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 230.

Sarawak, *Hose 6*. A monotypic endemic genus.

1. ***Osbornia octodonta*** F. Muell. Fragm. 3 (1862) 30; Foxw. in Bull. Dept. Forestry Brit. North Borneo 3 (1917) 7.

British North Borneo, near Sandakan, back of mangrove swamps, *Foxworthy*! A monotypic genus, Philippines and Australia.

1. ***Tristania anomala*** Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 227.

Sarawak, *Native collector 2868*! *Bur. Sci.* Endemic.

2. ***Tristania bilocularis*** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 152.

British North Borneo, *Haviland 1199*. Endemic.

3. ***Tristania clementis*** Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 229.

British North Borneo, *Clemens 9570*! Endemic.

4. ***Tristania elliptica*** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 151, *t. 11, f. D 14-17*.

British North Borneo, *Haviland 1257*, *Clemens 10959*!, *10930*! Endemic.

5. ***Tristania merguensis*** Griff. Pl. Cantor. (1837?) 18; Journ. As. Soc. Beng. 23 (1854) 637; King op. cit. 70|2 (1901) 72.

Borneo, fide *King l.c.* Burma, Malay Peninsula.

6. ***Tristania moultoniana*** W. W. Sm. in Notes Bot. Gard. Edinburgh 8 (1915) 328.

Sarawak, *Native collector 172 Edinb.* Endemic.

7. ***Tristania pentandra*** Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 228.

Sarawak, *Foxworthy 378*! Endemic.

8. *Tristania whiteana* Griff. Pl. Cantor. (1837?) 18; King in Journ. As. Soc. Beng. 70|2 (1901) 73.

Borneo, fide King l.c.; Sarawak, *Native collector 1461!* Bur. Sci. Malay Peninsula, Sumatra, Java.

1. *Leptospermum flavescens* Sm. in Trans. Linn. Soc. 3 (1797) 262; King in Journ. As. Soc. Beng. 70|2 (1901) 69. *Macklottia amboinensis* Korth in Nederl. Kruidk. Arch. 1 (1848) 196.

Dutch Borneo, *Korthals*; Sarawak, *Foxworthy 364!* Malay Peninsula to tropical Australia.

2. *Leptospermum javanicum* Blume Bijdr. (1826) 1100; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 149; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 75.

British North Borneo, *Haviland 1154, Gibbs 4049, 3044, Clemens 10509!, 10544!, 10934!, 10969!* Indo-China to Java, Sumatra, and Celebes.

3. *Leptospermum recurvum* Hook. f. Ic. II 5 (1852) t. 893; Walp. Ann. 4 (1857) 828; Miq. Fl. Ind. Bat. 1|2 (1858-59) 687; Stapf in Trans. Linn. Soc. 4 (1894) 149; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 75.

British North Borneo, *Low, Haviland 1063, Gibbs 4266, 4200, Clemens 10571!* Endemic.

1. *Melaleuca leucadendron* Linn. Mant. 1 (1767) 105; Becc. Nelle Foreste di Borneo (1902) 593. *Melaleuca minor* Sm. in Rees Cyclop. 23 (1813) No. 2; Korth. in Nederl. Kruidk. Arch. 1 (1848) 197; Miq. Anal. Bot. Ind. 1 (1850) 14, Fl. Ind. Bat. 1|1 (1855-58) 403. *Melaleuca commutata* Miq. Anal. Bot. Ind. 1 (1850) 14.

Dutch Borneo, *Korthals*; Sarawak, *Beccari*. India, in cultivation, through Malaya to tropical Australia.

1. *Baeckea frutescens* Linn. Sp. Pl. (1753) 358; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 75.

British North Borneo, *Gibbs 2577, Villamil 276!, Clemens 9506!, 9574, Topping 1462!*; Dutch Borneo, *Winkler 3400!* Japan and Southern China to Malaya.

Melastomataceae.

1. *Melastoma beccarianum* Cogn. in DC. Monog. Phan. 7 (1891) 356; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 154.

British North Borneo, *Haviland 1277, Clemens 9913!*; Brunei, *Beccari*; Sarawak, *Hose 545!* Endemic.

2. **Melastoma boryanum** Korth. Verh. Nat. Gesch. Bot. (1839-42) 232, *t.* 50; Walp. Repert. 5 (1845-4) 704; Miq. Fl. Ind. Bat. 1|1 (1855) 506; Triana in Trans. Linn. Soc. 28 (1871) 60; Cogn. in DC. Monog. Phan. 7 (1891) 344. *Melastoma decemfidum* Roxb. var. *boryanum* Blume Mus. Bot. Lugd.-Bat. 1 (1849) 55.

Dutch Borneo, *Korthals, Motley*. Endemic.

3. **Melastoma ceramense** Naud. in Ann. Sci. Nat. III 13 (1849) 276; Cogn. in DC. Monog. Phan. 7 (1891) 348.

Brunei, *Beccari*; Labuan, *Merrill*! Ceram.

4. **Melastoma decemfidum** Roxb. Fl. Ind. ed. 2, 2 (1832) 406; Blume Mus. Bot. Lugd.-Bat. 1 (1849) 55; Naud. in Ann. Sci. Nat. III 13 (1849) 282; Miq. Fl. Ind. Bat. 1|1 (1855) 505; Cogn. in DC. Monog. Phan. 7 (1891) 345; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 153. *Melastoma nitidum* Korth. Verh. Nat. Gesch. Bot. (1839-42) 234; Walp. Repert. 5 (1845-46) 705.

Dutch Borneo, *Korthals*; British North Borneo, *Haviland 1267, Clemens 10937!, 10983!* Burma to southern China, Malay Peninsula, Sumatra, Java.

5. **Melastoma normale** D. Don Prodr. Fl. Nepal. (1825) 220; Cogn. ex Winkler in Engl. Bot. Jahrb. 48 (1912) 106.

Dutch Borneo, *Winkler 3384*. India to New Guinea and the Solomon Islands.

6. **Melastoma obvolutum** Jack in Trans. Linn. Soc. 14 (1823) 3; Triana op. cit. 28 (1871) 59; Cogn. in DC. Monog. Phan. 7 (1891) 348.

Dutch Borneo, *Korthals*; Sarawak, *Beccari 3974*.

Var. **angustifolium** Cogn. in DC. Monog. Phan. 7 (1891) 349.

Brunei, *Beccari*; Sarawak, *Native collector 547!, 465!, 1116!, 1977!* *Bur. Sci.* Sumatra, Philippines.

7. **Melastoma polyanthum** Blume in Flora 14 (1831) 481, Mus. Bot. Lugd.-Bat. 1 (1849) 52, *f.* 6; Walp. Ann. 4 (1857) 818; Triana in Trans. Linn. Soc. 28 (1871) 59; Naud. in Ann. Sci. Nat. III 13 (1849) 287; Miq. Fl. Ind. Bat. 1|1 (1855) 507; Cogn. in DC. Monog. Phan. 7 (1891) 354.

Dutch Borneo, *Korthals, Motley*; British North Borneo, *Villamil 124!, Clemens 9520!, 11240!, Yates 76!* Sumatra to the Moluccas and the Philippines.

8. **Melastoma pulcherrimum** Korth. Verh. Nat. Gesch. Bot. (1839-42) 231, *t.* 49; Walp. Repert. 5 (1845-46) 704; Miq. Fl. Ind. Bat. 1|1 (1855) 505; Triana in Trans. Linn. Soc. 28 (1871) 60; Cogn. in DC. Monog. Phan. 7 (1891) 345.

Dutch Borneo, *Korthals*. Java to the Moluccas; this is the basis of the Bornean references to *Melastoma sanguineum* Sims.

9. **Melastoma pusillum** Blume Mus. Bot. Lugd.-Bat. 1 (1849) 54; Walp. Ann. 2 (1850-51) 266; Naud. in Ann. Sci. Nat. III 13 (1849) 288; Triana in Trans. Linn. Soc. 28 (1871) 59; Miq. Fl. Ind. Bat. 1|1 (1855) 509; Cogn. in DC. Monog. Phan. 7 (1891) 353.

Dutch Borneo, *Korthals*.

Var. **longifolium** Cogn. in DC. Monog. Phan. 7 (1891) 353. Dutch Borneo, *De Vriese*. Endemic.

1. **Allomorpha beccariana** Cogn. in DC. Monog. Phan. 7 (1891) 467.

Sarawak, *Beccari 495*. Endemic.

2. **Allomorpha longifolia** Cogn. in DC. Monog. Phan. 7 (1891) 466.

Sarawak, *Beccari 3837*. Endemic.

3. **Allomorpha longispicata** Cogn. in DC. Monog. Phan. 7 (1891) 463.

Sarawak, *Beccari 3861*. Endemic.

4. **Allomorpha multinervia** Cogn. in DC. Monog. Phan. 7 (1891) 468.

Sarawak, *Beccari 3441*. Endemic.

5. **Allomorpha quintuplinervia** Cogn. in DC. Monog. Phan. 7 (1891) 466.

Sarawak, *Beccari 3888*. Endemic.

1. **Creaghiella purpurea** Stapf in Hook. Ic. IV 5 (1896) t. 2455.

British North Borneo, *Creagh, Clemens 9444!*, *Foxworthy 606!* A monotypic endemic genus.

1. **Blastus borneensis** Cogn. in DC. Monog. Phan. 7 (1891) 477.

Dutch Borneo, *Teysmann*; Sarawak, *Native collector 1709!* *Bur. Sci.* Endemic.

2. **Blastus cogniauxii** Stapf in Hook. Ic. IV 4 (1894) t. 2311, Trans. Linn. Soc. Bot. 4 (1894) 154; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 78. *Ochthocharis parviflora* Cogn. in DC. Monog. Phan. 7 (1891) 481, non *Blastus parviflorus* Triana.

British North Borneo, *Haviland 1280*, *Gibbs 4119*, *Clemens 10337!*, Sarawak, *Beccari 1403*. Malay Peninsula.

1. **Ochthocharis borneensis** Blume Mus. Bot. Lugd.-Bat. **1** (1849) 40; Naud. in Ann. Sci. Nat. III **15** (1851) 307; Miq. Fl. Ind. Bat. **1|1** (1855) 557; Triana in Trans. Linn. Soc. **28** (1871) 74; Cogn. in DC. Monog. Phan. **7** (1891) 480; Hallier f. in Ann. Jard. Bot. Buitenz. **13** (1896) 283, t. 21; Winkler in Engl. Bot. Jahrb. **48** (1912) 106.

Dutch Borneo, *Korthals!*, *De Vriese, Jaheri, Winkler 3444*; Sarawak, *Beccari 145, Native collector 2135!* *Bur. Sci.* Singapore, Banca, Billiton, Buru.

2. **Ochthocharis javanica** Blume in Flora **14** (1831) 532; King in Journ. As. Soc. Beng. **69**, 2 (1900) 14; Cogn. ex Winkler in Engl. Bot. Jahrb. **48** (1912) 106.

Dutch Borneo, *Winkler 3097*. Burma, Malay Peninsula, Banca, Billiton, Java.

3. **Ochthocharis ovata** Cogn. in DC. Monog. Phan. **7** (1891) 481.

Sarawak, *Beccari 376, 607, 754*. Endemic.

4. **Ochthocharis paniculata** Korth. Verh. Nat. Gesch. Bot. (1839-42) 247, t. 64; Blume Mus. Bot. Lugd.-Bat. **1** (1849) 40; Naud. in Ann. Sci. Nat. III **15** (1851) 307, t. 15, f. 3; Miq. Fl. Ind. Bat. **1|1** (1855) 556; Triana in Trans. Linn. Soc. **28** (1871) 74; Cogn. in DC. Monog. Phan. **7** (1891) 480; Winkler in Engl. Bot. Jahrb. **48** (1912) 107.

Dutch Borneo, *Korthals, Winkler 3320, Teysmann*; Sarawak, *Beccari*. Singapore.

1. **Driessenia exantha** Korth. Verh. Nat. Gesch. Bot. (1839-42) 251, t. 53; Walp. Repert. **5** (1845-46) 687; Naud. in Ann. Sci. Nat. III **15** (1851) 283, t. 4, f. 6; Blume Mus. Bot. Lugd.-Bat. **1** (1849) 13; Miq. Fl. Ind. Bat. **1|1** (1855-58) 537; Cogn. in DC. Monog. Phan. **7** (1891) 475.

Dutch Borneo, *Korthals*. Endemic.

2. **Driessenia ciliata** Becc. ex Cogn. in DC. Monog. Phan. **7** (1891) 476.

Sarawak, *Beccari 2333*. Endemic.

3. **Driessenia crystallina** Stapf in Hook. Ic. IV **5** (1895) sub t. 2414.

Sarawak, *Haviland*. Endemic.

4. **Driessenia glanduligera** Stapf in Hook. Ic. IV **3** (1894) t. 2291, Trans. Linn. Soc. Bot. **4** (1894) 155.

British North Borneo, *Haviland 1174, Clemens 9937!* Endemic.

5. **Driessenia microthrix** Stapf in Hook. Ic. IV **3** (1894) t. 2292, Trans. Linn. Soc. Bot. **4** (1894) 155.

British North Borneo, *Haviland 1279, Clemens 10154!*;
Sarawak, *Native collector 2824!, 2891!, 2889!, 2888! Bur. Sci.*
Endemic.

6. *Driessenia scorpioidea* Stapf in Hook. Ic. IV 5 (1895)
t. 2414.

Sarawak, *Haviland and Hose 3222, Hose 218!, 466!* Endemic.

7. *Driessenia teysmannii* Cogn. in DC. Monog. Phan. 7
(1891) 475.

Dutch Borneo, *Teysmann.* Endemic.

8. *Driessenia winkleri* Cogn. ex Winkler in Engl. Bot.
Jahrb. 48 (1912) 107.

Dutch Borneo, *Winkler 2813.* Endemic; the genus is confined
to Borneo.

1. *Phyllagathis elliptica* Stapf in Hook. Ic. IV 3 (1894)
t. 2279, Trans. Linn. Soc. Bot. 4 (1894) 158; Gibbs in Journ.
Linn. Soc. Bot. 42 (1914) 79.

British North Borneo, *Low, Haviland 1186, Gibbs 4422.*
Endemic.

2. *Phyllagathis gymnantha* Korth. Verh. Nat. Gesch. Bot.
(1839-42) 252; Walp. Repert. 5 (1845) 717; Blume Mus. Bot.
Lugd.-Bat. 1 (1849) 12; Miq. Fl. Ind. Bat. 1|1 (1855) 559;
Triana in Trans. Linn. Soc. 28 (1871) 77; Cogn. in DC. Monog.
Phan. 7 (1891) 519.

Dutch Borneo, *Korthals, Teysmann.* Endemic.

3. *Phyllagathis hirsuta* Cogn. in Ill. Hort. 41 (1894) 41,
t. 3; Kew Bull. Add. Series 4 (1900) 323.

Introduced into cultivation from Borneo. Endemic.

4. *Phyllagathis uniflora* Stapf in Hook. Ic. IV 3 (1894)
t. 2280; Trans. Linn. Soc. Bot. 4 (1894) 158.

British North Borneo, *Haviland 1172, Clemens 10537!*
Endemic.

1. *Brittenia subacaulis* Cogn. in Boerl. Handl. Fl. Nederl.
Ind. 1 (1890) 515, 532, in DC. Monog. Phan. 7 (1891) 519.

Sarawak, *Beccari 3802, 3860.* A monotypic endemic genus.

1. *Cyanandrium guttatum* Stapf in Hook. Ic. IV 5 (1895)
t. 2419.

Sarawak, *Haviland 1549, Foxworthy 235!, 370!* Endemic.

2. *Cyanandrium rufum* Stapf in Hook. Ic. IV 5 (1895) sub.
t. 2419.

Sarawak, *Haviland, Native collector 1122! Bur. Sci.* Endemic;
the genus is confined to Borneo.

1. *Anerinoleistus beccarii* Cogn. in DC. Monog. Phan. 7 (1891) 478; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 78.

Sarawak, *Beccari 3221*; British North Borneo, *Gibbs 4425*. Endemic.

2. *Anerinoleistus cordatus* Stapf in Hook. Ic. IV 4 (1894) t. 1310, Trans. Linn. Soc. Bot. 4 (1894) 154; Ridl. in Journ. Str. Branch Roy. As. Soc. 63 (1912) 59.

British North Borneo, *Haviland 1281*, *Clemens 10301!*; Sarawak, *Moulton, Haviland*. Endemic.

3. *Anerinoleistus dispar* Cogn. in DC. Monog. Phan. 7 (1891) 479.

Sarawak, *Beccari 2400*, *Foxworthy 237!* Endemic.

4. *Anerinoleistus glomeratus* King in Journ. As. Soc. Beng. 69|2 (1900) 18.

Sarawak, *Hullett 257*. Endemic.

5. *Anerinoleistus monticolus* W. W. Sm. in Notes Bot. Gard. Edinburgh 8 (1915) 316.

Sarawak, *Native collector 154 Edinb.* Endemic.

1. *Pomatostoma angustifolium* Stapf in Hook. Ic. IV 5 (1895) sub. t. 2420.

Sarawak, *Haviland*. Endemic.

2. *Pomatostoma inaequale* Stapf in Hook. Ic. IV 5 (1895) sub. t. 2421.

Sarawak, *Haviland 2005*. Endemic.

3. *Pomatostoma phyllagathoides* Stapf in Hook. Ic. IV 5 (1895) t. 2421.

Sarawak, *Haviland*. Endemic.

4. *Pomatostoma sertuliferum* (Becc.) Stapf in Hook. Ic. IV 5 (1895) t. 2420. *Allomorpha sertulifera* Becc. ex Cogn. in DC. Monog. Phan. 7 (1891) 465.

Sarawak, *Beccari 25, 1332, Haviland, Native collector 1759!* *Bur. Sci.* Endemic; the genus is confined to Borneo.

1. *Sonerila beccariana* Cogn. in DC. Monog. Phan. 7 (1891) 508.

Sarawak, *Beccari 1849*. Endemic.

2. *Sonerila begoniaefolia* Blume in Flora 14 (1831) 490; Korth. Verh. Nat. Gesch. Bot. (1839-42) 248, t. 54; Triana in Trans. Linn. Soc. 28 (1871) 77; King in Journ. As. Soc. Beng. 69|2 (1900) 41. *Sonerila moluccana* Roxb. Fl. Ind. 1 (1820) 178; Cogn. in DC. Monog. Phan. 7 (1891) 508.

Borneo, *Motley*. Malay Peninsula, Sumatra, Java, Moluccas.

3. *Sonerila borneensis* Cogn. in DC. Monog. Phan. 7 (1891) 509; Ridl. in Journ. Str. Branch Roy. As. Soc. 33 (1900) 22.

Sarawak, *Beccari* 143, 708.

Var. *setulosa* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 158.
British North Borneo, *Haviland* 1285. Endemic.

4. *Sonerila crassiuscula* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 156; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 78.

British North Borneo, *Burbidge*, *Haviland* 1173, *Gibbs* 4223, *Clemens* 10508! Endemic.

5. *Sonerila kinabaluensis* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 156.

British North Borneo, *Haviland* 1282, *Topping* 1522!, *Clemens* 9992! Endemic.

6. *Sonerila maculata* Roxb. var. *glabrata* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 157.

British North Borneo, *Haviland* 1284, *Clemens* 11183!, 11186!
India (the species).

7. *Sonerila obliqua* Korth. Verh. Nat. Gesch. Bot. (1839-42) 250; Triana in Trans. Linn. Soc. 28 (1871) 77; Cogn. in DC. Monog. Phan. 7 (1891) 515.

Borneo, *Motley*. Malay Peninsula, Sumatra.

8. *Sonerila parviflora* Cogn. in DC. Monog. Phan. 7 (1891) 511.

Sarawak, *Beccari* 3865. Endemic.

9. *Sonerila pulchella* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 157; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 78.

British North Borneo, *Haviland* 1200, *Gibbs* 4121. Endemic.

10. *Sonerila purpurascens* Becc. ex Cogn. in DC. Monog. Phan. 7 (1891) 499.

Sarawak, *Beccari* 3950. Endemic.

11. *Sonerila tenuifolia* Blume in Flora 14 (1831) 491; Stapf in Ann. Bot. (1892) 301, Trans. Linn. Soc. Bot. 4 (1894) 156; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 78.

British North Borneo, *Low*, *Haviland* 1283, *Gibbs* 4068, *Clemens* 11006!, 10507!, 11079!, Sarawak, *Hullett*. Malay Peninsula, Sumatra, Java.

12. *Sonerila teysmanniana* Miq. Fl. Ind. Bat. Suppl. (1860-62) 320; Winkler in Engl. Bot. Jahrb. 48 (1912) 107.

Dutch Borneo, *Winkler* 2363. Sumatra.

13. **Sonerila triflora** Cogn. in DC. Monog. Phan. 7 (1891) 501.

Sarawak, *Beccari 1694*. Endemic.

14. **Sonerila velutina** Cogn. in DC. Monog. Phan. 7 (1891) 509.

Sarawak, *Beccari 1478, 3239*. Endemic.

15. **Sonerila zeylanica** W. & A. Prodr. (1834) 322; Stapf in Ann. Bot. 6 (1892) 293.

Borneo, fide *Stapf l.c.* Ceylon.

1. **Creochiton pudibunda** Blume in Flora 14 (1831) 506; Cogn. ex Winkler in Engl. Bot. Jahrb. 48 (1912) 107.

Dutch Borneo, *Winkler 3272, 2810*. Java.

1. **Anplectrum beccarianum** Cogn. in DC. Monog. Phan. 7 (1891) 568.

Sarawak, *Beccari 809*. Endemic.

2. **Anplectrum cyanocarpum** (Blume) Triana in Trans. Linn. Soc. 28 (1871) 84, t. 7, f. 90 C; Cogn. in DC. Monog. Phan. 7 (1891) 569.

Sarawak, *Beccari 351*. Sumatra, Java.

3. **Anplectrum divaricatum** (Willd.) Triana in Trans. Linn. Soc. 28 (1871) 84; Cogn. in DC. Monog. Phan. 7 (1891) 567.

Sarawak, *Beccari 2186*. Malay Peninsula, Java, Sumatra.

4. **Anplectrum glaucum** (Jack) Triana in Trans. Linn. Soc. 28 (1871) 84; King in Journ. As. Soc. Beng. 69|2 (1900) 57.

Borneo, fide *King l.c.* Malay Peninsula, Sumatra, Java.

5. **Anplectrum homoeandrum** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 161.

British North Borneo, *Haviland 1170*. Endemic.

6. **Anplectrum korthalsii** Triana in Journ. Linn. Soc. 28 (1871) 85; Cogn. in DC. Monog. Phan. 7 (1891) 570. *Dissochaeta rostrata* Korth. Verh. Nat. Gesch. Bot. (1839-42) 239; Walp. Repert. 5 (1845-46) 713; Miq. Fl. Ind. Bat. 1|1 (1855-58) 530.

Dutch Borneo, *Korthals*. Endemic.

7. **Anplectrum latifolium** Triana in Trans. Linn. Soc. 28 (1871) 85; Cogn. in DC. Monog. Phan. 7 (1891) 568.

Sarawak, *Beccari 800, 1083, Lobb*. Endemic.

8. **Anplectrum pallens** (Blume) Triana in Trans. Linn. Soc. 28 (1871) 84, t. 7, f. 90a; Cogn. in DC. Monog. Phan. 7 (1891) 564. *Anplectrum pallens* Blume Mus. Bot. Lugd.-Bat. 1 (1849) 38.

Sarawak, *Beccari 372, 834, Lobb*. Malay Peninsula, Penang, Sumatra.

9. **Anplectrum reformatum** (Blume) Triana in Trans. Linn. Soc. 28 (1871) 85; Cogn. in DC. Monog. Phan. 7 (1891) 568. *Dissochaeta reformata* Blume Mus. Bot. Lugd.-Bat. 1 (1849) 37; Walp. Ann. 2 (1850-51) 607; Miq. Fl. Ind. Bat. 1|1 (1855-58) 530.

Dutch Borneo, *Korthals*. Endemic.

1. **Dalenia speciosa** Korth. Verh. Nat. Gesch. Bot. (1839-42) 244; Miq. Fl. Ind. Bat. 1|1 (1855) 531; Walp. Repert. 5 (1845-46) 517. *Dalenia pulchra* Korth. op. cit. t. 58; Cogn. in DC. Monog. Phan. 7 (1891) 548. *Dalenia korthalsii* Blume Mus. Bot. Lugd.-Bat. 1 (1849) 39; Triana in Trans. Linn. Soc. 28 (1871) 82.

Dutch Borneo, *Korthals*. An endemic monotypic genus.

1. **Marumia bipulvinata** (Korth.) Triana in Trans. Linn. Soc. 28 (1871) 82; Cogn. in DC. Monog. Phan. 7 (1891) 553. *Dissochaeta bipulvinata* Korth. Verh. Nat. Gesch. Bot. (1839-42) 239; Blume Mus. Bot. Lugd.-Bat. 1 (1849) 36; Miq. Fl. Ind. Bat. 1|1 (1855) 530.

Dutch Borneo, *Korthals*. Endemic.

2. **Marumia hirsuta** Cogn. in DC. Monog. Phan. 7 (1891) 553.

Dutch Borneo, *Teysmann*. Endemic.

3. **Marumia leprosa** Korth. Verh. Nat. Gesch. Bot. (1839-42) 241; Walp. Repert. 5 (1845-46) 717; Blume Mus. Bot. Lugd.-Bat. 1 (1849) 34; Miq. Fl. Ind. Bat. 1|1 (1855) 533; Triana in Trans. Linn. Soc. 28 (1871) 82; Cogn. in DC. Monog. Phan. 7 (1891) 549.

Dutch Borneo, *Korthals, De Vriese*; Sarawak, *Beccari 544, 2024*. Endemic.

4. **Marumia nemorosa** (Jack) Blume in Flora 14 (1831) 505; Walp. Ann. 3 (1852-53) 874; Blume Mus. Bot. Lugd.-Bat. 1 (1849) 33; Naud. in Ann. Sci. Nat. III 15 (1851) 279; Miq. Fl. Ind. Bat. 1|1 (1855) 533; Cogn. in DC. Monog. Phan. 7 (1891) 549. *Marumia affinis* Korth. Verh. Nat. Gesch. Bot. (1839-42) 241, t. 60; Walp. Repert. 5 (1845-46) 716; Miq. Fl. Ind. Bat. 1|1 (1855-58) 533.

Dutch Borneo, *Korthals*; Sarawak, *Beccari 776, Native collector 89!, 549!, 1118!, 1459!, 1793!* *Bur. Sci.* Malay Peninsula, Penang, Sumatra, Andaman and Nicobar Islands.

5. **Marumia pachygyna** Korth. Verh. Nat. Gesch. Bot. (1839-42) 242, t. 58; Walp. Repert. 5 (1845-46) 717, Ann. 3 (1852-53) 874; Blume Mus. Bot. Lugd.-Bat. 1 (1849) 34; Naud.

in Ann. Sci. Nat. III 15 (1851) 281; Miq. Fl. Ind. Bat. 1|1 (1855) 535; Cogn. in DC. Monog. Phan. 7 (1891) 552; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 159; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 79.

Dutch Borneo, *Korthals*; Sarawak, *Beccari 1022*; British North Borneo, *Haviland 1345*, *Gibbs 4424*; Sarawak, *Native collector 548*! *Bur. Sci.*, *Foxworthy 485*!, *Hose 228*! Endemic.

6. *Marumia stellulata* Blume in Flora 14 (1831) 505; Triana in Trans. Linn. Soc. 28 (1871) 82; Cogn. in DC. Monog. Phan. 7 (1891) 552.

Dutch Borneo, *Korthals*; Sarawak, *Beccari 125*, *129*, *379*, *535*, *632*, *2355*. Sumatra.

1. *Dissochaeta annulata* Hook. f. ex Triana in Trans. Linn. Soc. 28 (1871) 83; Cogn. in DC. Monog. Phan. 7 (1891) 557; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 159.

Sarawak, *Beccari 3282*, *Native collector 87*!, *388*!, *717*!, *2477*! *Bur. Sci.*, *Sarawak Museum*!; British North Borneo, *Haviland 1385*. Malay Peninsula, Penang, Billiton, Ceram.

2. *Dissochaeta axillaris* Cogn. ex Winkler in Engl. Bot. Jahrb. 48 (1912) 108.

Dutch Borneo, *Winkler 3033*. Endemic.

3. *Dissochaeta beccariana* Cogn. in DC. Monog. Phan. 7 (1891) 559.

Sarawak, *Beccari 511*, *2190*. Endemic.

4. *Dissochaeta bracteata* (Jack) Blume in Flora 14 (1831) 500; Cogn. in DC. Monog. Phan. 7 (1891) 558.

Dutch Borneo, *De Vriese*; Sarawak, *Haviland*. Malay Peninsula, Penang.

5. *Dissochaeta celebica* Blume Mus. Bot. Lugd.-Bat. 1 (1849) 36; Cogn. in DC. Monog. Phan. 7 (1891) 561; Winkler in Engl. Bot. Jahrb. 48 (1912) 108.

Sarawak, *Beccari 838*, *Sarawak Museum*!; Dutch Borneo, *Winkler 2627*!; British North Borneo, *Clemens 9773*!, *9865*!, *10122*!, *10121*! Malay Peninsula, Penang, Banca, Philippines, Celebes.

6. *Dissochaeta glabra* Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 101.

British North Borneo, *Villamil 242*! Endemic.

7. *Dissochaeta gracilis* (Jack) Blume in Flora 14 (1831) 498; Miq. Fl. Ind. Bat. 1|1 (1855-58) 526; Cogn. ex Winkler in Engl. Bot. Jahrb. 48 (1912) 108.

Dutch Borneo, *Winkler 2809*. Malay Peninsula, Java, Sumatra.

8. *Dissochaeta hirsuta* Hook. f. in Trans. Linn. Soc. 28 (1871) 83; Cogn. in DC. Monog. Phan. 7 (1891) 556; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 159.

Labuan, *Motley*; Sarawak, *Beccari 2188*; British North Borneo, *Haviland 1287, 1288, Clemens 10281!, 10789!, 10824!* Malay Peninsula.

9. *Dissochaeta macrosepala* Stapf ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 80.

British North Borneo, *Gibbs 3951*. Endemic.

10. *Dissochaeta quintuplinervis* Cogn. in DC. Monog. Phan. 7 (1891) 556.

Sarawak, *Beccari 1802, 3274*. Endemic.

11. *Dissochaeta rubiginosa* (Wall.) Stapf ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 79. *Dissochaeta intermedia* Cogn. in DC. Monog. Phan. 7 (1891) 562 p.p.; King in Journ. As. Soc. Beng. 69|2 (1900) 54, non Blume.

British North Borneo, *Gibbs 3977, Clemens 10941!* Tenasserim, Penang.

1. *Hederella multiflora* Stapf in Hook. Ic. IV 5 (1895) t. 2415.

Sarawak, *Haviland, Hose 51!, Native collector 2959!* *Bur. Sci.* Endemic.

2. *Hederella quintuplinervis* Stapf in Hook. Ic. IV 5 (1894) t. 2416.

Sarawak, *Beccari 1802, 3274, Haviland, Native collector 2468!* *Bur. Sci.* Endemic.

3. *Hederella tetrandra* Stapf in Hook. Ic. IV 5 (1895) sub. t. 2415.

Sarawak, *Beccari 304, Haviland and Hose 233*. Endemic.

1. *Pogonanthera pulverulenta* Blume in Flora 14 (1831) 531; Cogn. in DC. Monog. Phan. 7 (1891) 610; King in Journ. As. Soc. Beng. 69|2 (1891) 610. *Pogonanthera robusta* Becc. Malesia 2 (1886) 240, t. 59, f. 1-3.

Sarawak, *Beccari 745, 746, Native collector 88!, 1136!, 1137!, 716!, 1738!, 1865!, 1867!, 2061!* *Bur. Sci.*, *Hose 428!* Malay Peninsula, Sumatra, Java.

2. *Pogonanthera reflexa* Blume in Flora 14 (1831) 521, Mus. Bot. Lugd.-Bat. 1 (1849) 24 (var. *squamulata* Blume); Becc. Malesia 2 (1886) 241, t. 59, f. 4, 5; Cogn. in DC. Monog. Phan. 7 (1891) 610.

Sarawak, *Beccari 3453*. Malay Peninsula, Sumatra, Billiton, Java, Philippines, and the Moluccas.

1. **Medinilla alternifolia** Blume Mus. Bot. Lugd.-Bat. 1 (1849) 19; Cogn. in DC. Monog. Phan. 7 (1891) 591.
Sarawak, *Beccari 2000*. Sumatra.
2. **Medinilla beccariana** Cogn. in DC. Monog. Phan. 7 (1891) 600.
Dutch Borneo, *Teysmann*; Sarawak, *Beccari 3439*. Endemic.
3. **Medinilla borneensis** Blume Mus. Bot. Lugd.-Bat. 1 (1849) 20; Triana in Trans. Linn. Soc. 28 (1871) 88; Miq. Fl. Ind. Bat. 1|1 (1855) 546; Cogn. in DC. Monog. Phan. 7 (1891) 599.
Dutch Borneo, *Korthals*. Endemic.
4. **Medinilla corallina** Cogn. in DC. Monog. Phan. 7 (1891) 599.
Sarawak, *Beccari 3145*. Endemic.
5. **Medinilla crassifolia** Blume in Flora 14 (1831) 511; Winkler in Engl. Bot. Jahrb. 48 (1912) 108.
Dutch Borneo, *Winkler 3262*. Java.
6. **Medinilla crassinervia** Blume in Flora 14 (1831) 510; Cogn. in DC. Monog. Phan. 7 (1891) 574.
Sarawak, *Beccari 3562*. Malay Peninsula to New Guinea.
7. **Medinilla cuspidata** Blume Mus. Bot. Lugd.-Bat. 1 (1849) 18; Miq. Fl. Ind. Bat. 1|1 (1855) 542; Triana in Trans. Linn. Soc. 28 (1871) 86; Cogn. in DC. Monog. Phan. 7 (1891) 587.
Dutch Borneo, *Korthals*; Sarawak, *Beccari 658*. Endemic.
8. **Medinilla decurrens** Cogn. in DC. Monog. Phan. 7 (1891) 591; Stapf in Hook. Ic. IV 5 (1895) sub. *t. 2411*.
Sarawak, *Beccari 4016*. Endemic.
9. **Medinilla dispar** Cogn. ex Winkler in Engl. Bot. Jahrb. 48 (1912) 108.
Dutch Borneo, *Winkler 2812*. Endemic.
10. **Medinilla flagellata** Stapf in Hook. Ic. IV 5 (1895) sub. *t. 2411*.
Sarawak, *Haviland*. Endemic.
11. **Medinilla horsfieldii** Miq. Fl. Ind. Bat. 1|1 (1855) 545; Triana in Trans. Linn. Soc. 28 (1871) 86; Cogn. in DC. Monog. Phan. 7 (1891) 578.
Sarawak, *Beccari 291, 488, Motley, Foxworthy 19!* Java.
12. **Medinilla lasiocladus** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 161.
British North Borneo, *Haviland 1225*. Endemic.

13. **Medinilla longipedunculata** Cogn. in DC. Monog. Phan. 7 (1891) 577.

Sarawak, *Beccari* 577. Endemic.

14. **Medinilla lorata** Stapf in Hook. Ic. IV 5 (1895) t. 2417. Sarawak, *Haviland* 1785. Endemic.

15. **Medinilla motleyi** Hook. f. ex Triana in Trans. Linn. Soc. 28 (1871) 87; Cogn. in DC. Monog. Phan. 7 (1891) 590.

Borneo, *Motley*. Endemic.

16. **Medinilla robusta** Cogn. in DC. Monog. Phan. 7 (1891) 576.

Sarawak, *Beccari* 542, 573, 851, 4049. Endemic.

17. **Medinilla serpens** Stapf in Hook. Ic. IV 5 (1895) t. 2411.

Sarawak, *Haviland* 551. Endemic.

18. **Medinilla speciosa** Blume in Flora 14 (1831) 515; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 80.

British North Borneo, *Gibbs* 4320. Malay Peninsula, Sumatra, Java, Moluccas.

19. **Medinilla stephanostegia** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 160.

British North Borneo, *Haviland* 1171, *Clemens* 10940! Endemic.

20. **Medinilla urophylla** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 160.

British North Borneo, *Haviland* 1278. Endemic.

1. **Plethiandra beccariana** (Cogn.) comb. nov. *Medinillopsis beccariana* Cogn. in DC. Monog. Phan. 7 (1891) 603; *Becc. Nelle. Foreste di Borneo* (1902) 595.

Sarawak, *Beccari* 4004. Endemic.

2. **Plethiandra cuneata** Stapf in Hook. Ic. IV 5 (1895) sub. t. 2418.

Sarawak, *Haviland*. Endemic.

3. **Plethiandra hookeri** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 163, Hook. Ic. IV 5 (1895) t. 2418.

British North Borneo, *Haviland* 1169; Sarawak, *Haviland* 34!, 588! Endemic.

4. **Plethiandra motleyi** Hook. f. in Benth. & Hook. f. Gen. Pl. 1 (1867) 772; Cogn. in DC. Monog. Phan. 7 (1891) 1112 (*mottleyi*).

Borneo, *Motley*. Endemic.

5. *Plethiandra rejangensis* Stapf in Hook. Ic. IV 5 (1895) sub. t. 2418.

Sarawak, *Haviland* 545. Endemic.

6. *Plethiandra sahebii* Burkill in Journ. Str. Branch Roy. As. Soc. 77 (1917) 265.

Sarawak, in cultivation in the Botanic Garden at Singapore, *Burkill!* Endemic.

7. *Plethiandra sessilis* Stapf in Hook. Ic. IV 5 (1895) sub. t. 2418.

Sarawak, *Haviland*. Endemic; the genus is confined to Borneo with the exception of *Plethiandra sessiliflora* (Cogn.) (*Medinilla sessiliflora* Cogn.) which occurs in Singapore.

1. *Boerlagea grandifolia* Cogn. in Boerl. Handl. Fl. Nederl. Ind. 1 (1890) 523, 536, DC. Monog. Phan. 7 (1891) 611.

Sarawak, *Beccari* 3626. A monotypic endemic genus.

1. *Pachycentria elliptica* Blume Mus. Lugd.-Bat. 1 (1849) 23; Naud. in Ann. Sci. Nat. III 15 (1851) 301; Walp. Ann. 3 (1852-53) 879; Miq. Fl. Ind. Bat. 1|1 (1855) 551; Triana in Trans. Linn. Soc. 28 (1871) 89; Cogn. in DC. Monog. Phan. 7 (1891) 607; Winkler in Engl. Bot. Jahrb. 48 (1912) 109.

Dutch Borneo, fide *Blume* l.c.; *Winkler* 3076; Sarawak, *Foxworthy* 184!

Var. *subcordata* Blume l.c.; Cogn. l.c.

Dutch Borneo, fide *Blume* l.c.; Sarawak, *Beccari* 297. Endemic.

2. *Pachycentria glauca* Triana in Trans. Linn. Soc. 28 (1871) 89; Cogn. in DC. Monog. Phan. 7 (1891) 609.

Sarawak, *Lobb*, *Beccari* 415. Endemic.

3. *Pachycentria junghuhniana* Miq. Fl. Ind. Bat. 1 (1855) 552; Cogn. in DC. Monog. Phan. 7 (1891) 607.

Sarawak, *Beccari* 678. Java.

4. *Pachycentria macrorhiza* Becc. Malesia 2 (1886) 237, t. 56, f. 1-2, t. 57, f. 1-4; Cogn. in DC. Monog. Phan. 7 (1891) 607.

Sarawak, *Beccari* 157.

Var. *acuminata* Becc. l.c.; Cogn. l.c.; Winkler in Engl. Bot. Jahrb. 48 (1912) 109.

Sarawak, *Beccari* 678; Dutch Borneo, *Winkler* 3327, 2287.

Var. *ovalifolia* Becc. l.c.; Cogn. l.c.

Sarawak, *Beccari* 408, 2063. Endemic.

5. *Pachycentria microsperma* Becc. Malesia 2 (1886) 238, t. 58, f. 1-5; Cogn. in DC. Monog. Phan. 7 (1891) 609; Winkler in Engl. Bot. Jahrb. 48 (1912) 109.

Sarawak, *Beccari* 404, 2054, 2163, *Foxworthy* 403!; Dutch Borneo, *Winkler* 2374; British North Borneo, *Wood* 452! Endemic.

6. *Pachycentria microstyla* Becc. Malesia 2 (1886) 239, t. 59, f. 6-11; Cogn. in DC. Monog. Phan. 7 (1891) 606.

Sarawak, *Beccari* 604, 403. Endemic.

7. *Pachycentria tuberculata* Korth. Verh. Nat. Gesch. Bot. (1839-42) 246, t. 63; Walp. Repert. 5 (1845-46) 712; Blume Mus. Bot. Lugd.-Bat. 1 (1849) 24; Miq. Fl. Ind. Bat. 1|1 (1855) 552; Triana in Trans. Linn. Soc. 28 (1871) 89; Cogn. in DC. Monog. Phan. 7 (1891) 606; Winkler in Engl. Bot. Jahrb. 48 (1912) 109.

Dutch Borneo, *Korthals*, *Winkler* 2619.

Var. *obtusifolia* Blume Mus. Bot. Lugd.-Bat. 1 (1849) 24; Cogn. in DC. Monog. Phan. 7 (1891) 606. *Pachycentria cordata* Korth. ex Blume Mus. Bot. Lugd.-Bat. 1 (1849) 24.

Dutch Borneo, *Korthals*. Burma, Malay Peninsula.

1. *Astronia macrophylla* Blume Bijdr. (1826) 1080; Miq. Fl. Ind. Bat. 1|1 (1855) 566; Walp. Ann. 4 (1857) 797.

Borneo, fide *Miquel* l.c. Sumatra, Java, Moluccas.

2. *Astronia smilacifolia* Triana in Trans. Linn. Soc. 28 (1871) 152; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 80.

British North Borneo, *Gibbs* 3035; Sarawak, *Native collector* 1655! *Bur. Sci.*, *Sarawak Museum*! Malay Peninsula, Penang.

1. *Beccarianthus pulcher* Cogn. in Boerl. Handl. Fl. Nederl. Ind. 1 (1890) 525, 536, in DC. Monog. Phan. 7 (1891) 1102.

Sarawak, *Beccari* 4024! Endemic; the only other known species of the genus is Philippine.

1. *Kibessia angustifolia* Blume Mus. Bot. Lugd.-Bat. 1 (1849) 9; Walp. Ann. 2 (1850-51) 611; Triana in Trans. Linn. Soc. 28 (1871) 153; Miq. Fl. Ind. Bat. 1|1 (1855) 571; Cogn. in DC. Monog. Phan. 7 (1891) 1109.

Borneo, *Waitz*. Endemic.

2. *Kibessia azurea* (Blume) DC. Prodr. 3 (1828) 196; Cogn. ex Winkler in Engl. Bot. Jahrb. 48 (1912) 109.

Dutch Borneo, *Winkler* 2311! Sumatra, Java.

3. *Kibessia coriacea* Cogn. in DC. Monog. Phan. 7 (1891) 1109.

Sarawak, *Beccari* 3324, 3164, *Sarawak Museum* 991, 136! Endemic.

4. *Kibessia echinata* (Jack) Cogn. in DC. Monog. Phan. 7 (1891) 1108. *Kibessia simplex* Korth. Verh. Nat. Gesch. Bot. (1839-42) 253; Blume Mus. Bot. Lugd.-Bat. 1 (1849) 9; Miq. Fl. Ind. Bat. 1|1 (1855) 571.

Dutch Borneo, *Korthals*. Malay Peninsula, Penang, Singapore.

5. *Kibessia galeata* (Korth.) Cogn. in DC. Monog. Phan. 7 (1891) 1110. *Ewyckia galeata* Korth. Verh. Nat. Gesch. Bot. (1839-42) 254, t. 67; Miq. Fl. Ind. Bat. 1|1 (1855) 569. *Rectomitra galeata* Blume Mus. Bot. Lugd.-Bat. 1 (1849) 6, f. 2; Walp. Ann. 2 (1850-51) 611; Triana in Trans. Linn. Soc. 28 (1871) 153.

Dutch Eorneo, *Korthals*, *Motley*; Sarawak, *Beccari* 301, 968. Endemic.

6. *Kibessia gracilis* Cogn. in DC. Monog. Phan. 7 (1891) 536.

Sarawak, *Beccari* 3172. Endemic.

7. *Kibessia hirtella* Cogn. in DC. Monog. Phan. 7 (1891) 1107.

Dutch Borneo, *De Vriese*; Sarawak, *Beccari* 17, *Sarawak Museum!*, *Native collector* -578!, 1396!, 1665!, 2020! Endemic.

8. *Kibessia korthalsiana* Cogn. in DC. Monog. Phan. 7 (1891) 1111. *Ewyckia cordata* Korth. Verh. Nat. Gesch. Bot. (1839-42) 255; Walp. Repert. 5 (1845-46) 724, non *Kibessia cordata* Korth. *Rectomitra cordata* Triana in Trans. Linn. Soc. 28 (1871) 153. *Macroplocis cordata* Blume Mus. Bot. Lugd.-Bat. 1 (1849) 7, f. 3; Walp. Ann. 2 (1850-51) 612; Miq. Fl. Ind. Bat. 1|1 (1855) 569.

Dutch Borneo, *Korthals*, *De Vriese*, *Teysmann*; Sarawak, *Beccari* 1046, 3124. Endemic.

9. *Kibessia rostrata* Cogn. in DC. Monog. Phan. 7 (1891) 1110.

Sarawak, *Beccari* 979. Endemic.

10. *Kibessia tessellata* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 162; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 81.

British North Borneo, *Gibbs* 3969, *Haviland* 1303. Endemic.

11. *Kibessia tetraptera* Miq. Fl. Ind. Bat. 1|1 (1855) 571; Cogn. in DC. Monog. Phan. 7 (1891) 1107.

Dutch Borneo, *Teysmann*, *De Vriese*. Sumatra, Celebes.

12. *Kibessia teysmanniana* Cogn. in DC. Monog. Phan. 7 (1891) 1109.

Dutch Borneo, *Teysmann*. Endemic.

1. **Pternandra caerulescens** Jack in Malay Miscel. 2|7 (1822) 61; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 80. *Pternandra capitellata* Cogn. in DC. Monog. Phan. 7 (1891) 1103; Winkler in Engl. Bot. Jahrb. 48 (1912) 110, non Jack.

British North Borneo, *Gibbs 4342, Yates 2!*; Sarawak, *Beccari 700, 3141, 3175, 3275, 3363, 3786 bis, Haviland 543, 2203, Hose 594!*; Dutch Borneo, *Winkler 2564!* Malay Peninsula, Penang, Sumatra, Celebes, Billiton, Banca.

2. **Pternandra cordifolia** Cogn. in DC. Monog. Phan. 7 (1891) 1105.

Sarawak, *Beccari 570*. Endemic.

3. **Pternandra multiflora** Cogn. in DC. Monog. Phan. 7 (1891) 1104.

Sarawak, *Beccari 1551, 2918*. Endemic.

4. **Pternandra latifolia** (Blume) Triana in Trans. Linn. Soc. 28 (1871) 153. *Ewyckia latifolia* Blume Mus. Bot. Lugd.-Bat. 1 (1849) 6 (incl. var. *membranacea* Blume). *Pternandra paniculata* Benth. in Wall. Cat. (1831) No. 4080, *nomen nudum*; Cogn. in DC. Monog. Phan. 7 (1891) 1104; Winkler in Engl. Bot. Jahrb. 48 (1912) 110.

Sarawak, *Beccari 724, Native collector 154!, 307!, 308!, 391!, 550!, 1133!, 1685!, 1725!* *Bur. Sci.*; Dutch Borneo, *Winkler 2249, 2304, 2408!* Malay Peninsula, Penang, Banca.

1. **Axinandra alata** Baill. *Adansonia* 12 (1876) 86; Cogn. in DC. Monog. Phan. 7 (1891) 1114.

Sarawak, *Beccari 3651*. Endemic.

2. **Axinandra beccariana** Baill. *Adansonia* 12 (1876) 85; Cogn. in DC. Monog. Phan. 7 (1891) 1114.

Borneo, *Beccari 3458*. Endemic.

3. **Axinandra coriacea** Baill. *Adansonia* 12 (1876) 85; Cogn. in DC. Monog. Phan. 7 (1891) 1114.

Borneo, *Beccari 2036, 2622*. Endemic.

1. **Dactylocladus stenostachys** Oliv. in Hook. Ic. IV 4 (1895) t. 2351.

Sarawak, *Beccari 3272, Haviland 2916*. A monotypic, endemic genus.

1. **Memecylon beccarianum** Cogn. in DC. Monog. Phan. 7 (1891) 1143.

Sarawak, *Beccari 1311, 1518*. Endemic.

2. **Memecylon borneense** Merr. in Philip. Journ. Sci. 8 (1913) Bot. 212. *Memecylon lanceolatum* Cogn. in DC. Monog. Phan. 7 (1891) 1157; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 162; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 81, non Blanco.

Sarawak, *Beccari 2118*, *Hose 49!*, *Foxworthy 232!*; British North Borneo, *Haviland 1168*, *Gibbs 2898*. Endemic.

3. **Memecylon caloneuron** Miq. Fl. Ind. Bat. Suppl. (1860-62) 321; Cogn. in DC. Monog. Phan. 7 (1891) 1137; King in Journ. As. Soc. Beng. 69|2 (1900) 76.

Sarawak, *Beccari 4052*; Dutch Borneo, *Winkler 2566!*. Malay Peninsula, Sumatra, Java.

4. **Memecylon confertifolium** Cogn. in DC. Monog. Phan. 7 (1891) 1151.

Sarawak, *Beccari 3464*. Endemic.

5. **Memecylon costatum** Miq. Anal. Bot. Ind. 1 (1850) 29. Fl. Ind. Bat. 1|1 (1855) 573; Triana in Trans. Linn. Soc. 28 (1871) 157; Cogn. in DC. Monog. Phan. 7 (1891) 1136.

Dutch Borneo, *Korthals*; British North Borneo, *Clemens 9454!*, *10977!*, *Foxworthy 614!*, *Villamil 377!* Sumatra, Java.

6. **Memecylon durum** Cogn. in DC. Monog. Phan. 7 (1891) 1152.

Sarawak, *Beccari 2641*. Endemic.

7. **Memecylon edule** Roxb. Pl. Coromandel 1 (1795) 59, t. 82; Cogn. in DC. Monog. Phan. 7 (1891) 1155.

Borneo, *Motley*. India to Malaya.

8. **Memecylon garcinioides** Blume Mus. Bot. Lugd.-Bat. 1 (1851) 358; King in Journ. As. Soc. Beng. 69|2 (1900) 85.

Borneo, fide *King* l.c. Malay Peninsula, Sumatra.

9. **Memecylon glomeratum** Blume Mus. Bot. Lugd.-Bat. 1 (1851) 356; Triana in Trans. Linn. Soc. 28 (1871) 157; Cogn. in DC. Monog. Phan. 7 (1891) 1160. *Memecylon confine* Blume Mus. Bot. Lugd.-Bat. 1 (1851) 357; Walp. Ann. 4 (1857) 812. *Memecylon pseudo-nigrescens* Blume l.c. *Memecylon nigrescens* Miq. Fl. Ind. Bat. 1|1 (1855) 578, non H. & A.

Dutch Borneo, *Korthals*. Sumatra, Java.

10. **Memecylon hepaticum** Blume Mus. Bot. Lugd.-Bat. 1 (1851) 357; Walp. Ann. 4 (1857) 813; Triana in Trans. Linn. Soc. 28 (1871) 157; Cogn. in DC. Monog. Phan. 7 (1891) 1151.

Dutch Borneo, *Korthals*. A variety in New Guinea.

11. **Memecylon heteropleurum** Blume Mus. Bot. Lugd.-Bat. 1 (1851) 362; Cogn. in DC. Monog. Phan. 7 (1891) 1140.

Sarawak, *Beccari* 2924. Sumatra, Malay Peninsula.

12. **Memecylon laevigatum** Blume Mus. Bot. Lugd.-Bat. 1 (1851) 358; Walp. Ann. 4 (1857) 813; Miq. Fl. Ind. Bat. 1|1 (1855) 576; Triana in Trans. Linn. Soc. 28 (1871) 157; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 182.

Borneo, fide *Blume* l.c.; British North Borneo, *Haviland* 1384. Burma, Andaman Islands, Banca, Sumatra, Java.

13. **Memecylon lanceolatum** Blanco Fl. Filip. (1837) 301. *Memecylon cumingianum* Presl Epim. (1851) 79; Cogn. in DC. Monog. Phan. 7 (1891) 1168.

Sarawak, *Beccari* 2216. Celebes, Philippines.

14. **Memecylon laurinum** Blume Mus. Bot. Lugd.-Bat. 1 (1851) 359; Cogn. in DC. Monog. Phan. 7 (1891) 1150.

Dutch Borneo, *Korthals*; British North Borneo, *Villamil* 401! Sumatra, Banca.

15. **Memecylon longifolium** Cogn. in DC. Monog. Phan. 7 (1891) 1150.

Sarawak, *Beccari* 322, 3234. Endemic.

16. **Memecylon marginatum** Blume Mus. Bot. Lugd.-Bat. 1 (1851) 363; Cogn. in DC. Monog. Phan. 7 (1891) 1136.

Dutch Borneo, *Korthals*. Andaman Islands.

17. **Memecylon myrsinoides** Blume Mus. Bot. Lugd.-Bat. 1 (1851) 356; Triana in Trans. Linn. Soc. 28 (1871) 158; Cogn. in DC. Monog. Phan. 7 (1891) 1160; Winkler in Engl. Bot. Jahrb. 48 (1912) 110.

Sarawak, *Beccari* 774; Dutch Borneo, *Motley*, *Teysmann*; British North Borneo, *Agama* 412! Java, Banca, Celebes.

18. **Memecylon oligoneuron** Blume Mus. Bot. 1 (1851) 353; Walp. Ann. 4 (1857) 811; Miq. Fl. Ind. Bat. 1|1 (1855) 574; Triana in Trans. Linn. Soc. 28 (1871) 157; Cogn. in DC. Monog. Phan. 7 (1891) 1132.

Dutch Borneo, *Korthals*; Sarawak, *Beccari* 1888. Malay Peninsula, Java, Philippines.

19. **Memecylon pergamentaceum** Cogn. in DC. Monog. Phan. 7 (1891) 1151; Winkler in Engl. Bot. Jahrb. 48 (1912) 110.

Sarawak, *Beccari* 2216; Dutch Borneo, *Winkler* 2461. Endemic.

20. **Memecylon pterocaulis** (Korth.) comb. nov. *Jambosa pterocaulis* Korth. in Nederl. Kruidk. Arch. 1 (1848) 200; Walp. Ann. 2 (1850-51) 637. *Eugenia pterocaulis* Miq. Anal. Bot. Ind. 1 (1850) 18. *Memecylon appendiculatum* Blume Mus. Bot. Lugd.-Bat. 1 (1851) 361; Miq. Fl. Ind. Bat. 1|1 (1855) 583; Cogn. in DC. Monog. Phan. 7 (1891) 1135.

Dutch Borneo, *Korthals*. Java.

21. **Memecylon pulchrum** Cogn. in DC. Monog. Phan. 7 (1891) 1141.

Sarawak, *Beccari* 585, 1833. Endemic.

22. **Memecylon violaceum** Cogn. in DC. Monog. Phan. 7 (1891) 1152.

Sarawak, *Beccari* 3432. Endemic.

Oenotheraceae (Onagraceae).

1. **Jussiaea linifolia** Vahl Eclog. Am. 2 (1798) 32; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 82. *Jussiaea blumeana* DC. Prodr. 3 (1828) 55; Miq. Fl. Ind. Bat. 1|1 (1855) 627.

British North Borneo, *Gibbs* 2671; *Yates* 73!; Sarawak, *Native collector* 158!, 1464!, 2271! *Bur. Sci.* Pantropic.

2. **Jussiaea repens** Linn. Sp. Pl. (1753) 388; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 82.

British North Borneo, *Gibbs* 4341. Pantropic.

3. **Jussiaea suffruticosa** Linn. Sp. Pl. (1753) 388.

Sarawak, *Native collector* 1465! *Bur. Sci.*; British North Borneo, *Topping* 1440!, *Clemens* 10302!, 9690!, 9829!, *Yates* 74! Pantropic.

1. **Ludwigia prostrata** Roxb. Fl. Ind. 1 (1820) 440, Hort. Beng. (1814) 11, *nomen nudum*. *Nematopyxis fruticulosa* Miq. Fl. Ind. Bat. 1|1 (1855) 630.

Borneo, fide *Miquel* l.c. Tropical Asia to Malaya.

Halorrhagaceae.

1. **Halorrhagis micrantha** (Thunb.) R. Br. in Flinders Voy. (1814) App. 550; Stapf in Trans Linn. Soc. Bot. 4 (1894) 149; Schindl. in Engl. Pflanzenreich 23 (1905) 42; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 74.

British North Borneo, *Haviland* 1077, *Gibbs* 4308, *Haslam*!, *Clemens* 10527!, 10568!, 10907! Japan to Indo-China, Malay Peninsula, Philippines, Australia, and New Zealand.

2. **Halorrhagis scabra** (Koenig) Benth. var. **elongata** Schindl. in Engl. Pflanzenreich 23 (1905) 28; Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 102.

British North Borneo, *Topping* 1454, *Clemens* 9626!, 9591! Southern China, Philippines, with another variety in India.

Araliaceae.

1. **Boerlagiodendron borneense** (Seem.) comb. nov.
Osmoxylon borneense Seem. in Journ. Bot. 6 (1868) 141.
Osmoxylon helleborinum Becc. Malesia 1 (1878) 198. *Eschweilera helleborina* Boerl. in Ann. Jard. Bot. Buitenz. 6 (1887) 115, t. 12.
Boerlagiodendron helleborinum Harms in Engl. & Prantl Nat. Pflanzenfam. 3|8 (1894) 31.

Sarawak, *Beccari 4021*; British North Borneo, *Haslam!*, *Clemens 10010!*, *11220!*; North East Borneo, *Lobb*. Endemic.

1. **Trevesia buckii** Boerl. in Ann. Jard. Bot. Buitenz. 6 (1887) 110, t. 12, f. 1-14.

Sarawak, *Beccari 826*, *Foxworthy 324!*, *Native collector 2662!*
Bur. Sci. Sumatra.

1. **Schefflera acutissima** (Miq.) comb. nov. *Paratropia acutissima* Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 20.
Heptapleurum acutissimum Seem. in Journ. Bot. 3 (1865) 79.

Dutch Borneo, *Korthals*. Endemic.

2. **Schefflera bipalmatifolia** Merr. in Philip. Journ. Sci. 13 (1918) Bot. 99.

British North Borneo, *Clemens 10072!*, *10060!* Endemic.

3. **Schefflera borneensis** Merr. in Philip. Journ. Sci. 13 (1918) Bot. 100, in Journ. Str. Branch Roy. As. Soc. 79 (1918) 27.

Sarawak, *Native Collector 797!*, *798!*, *1060!*, *Bur. Sci. Haviland 2948!* Endemic.

4. **Schefflera burkillii** Merr. in Journ. Str. Branch Roy. As. Soc. 79 (1918) 28.

Sarawak, *Native Collector 802!* *Bur. Sci. Haviland!* Endemic.

5. **Schefflera calyptrata** Merr. in Philip. Journ. Sci. 13 (1918) Bot. 101.

British North Borneo, *Clemens 10180!* Endemic.

6. **Schefflera elliptica** (Blume) Harms in Engl. & Prantl Nat. Pflanzenfam. 3|8 (1894) 36. *Paratropia elliptica* Miq. Fl. Ind. Bat. 1|1 (1863-64) 20 (incl. var. *ovata* Miq. & var. *riparia* Miq.) *Heptapleurum ellipticum* Seem. in Journ. Bot. 3 (1865) 78; Boerl. Handl. Fl. Nederl. Ind. 1 (1890) 648.

Dutch Borneo, *Korthals*. Java, Sumatra, Timor.

7. **Schefflera gracilis** (Blume) Viguier in Ann. Sci. Nat. Bot. IX 9 (1909) 352. *Paratropia gracilis* Miq. Ann. Mus. Bot.

Lugd.-Bat. 1 (1863) 22. *Heptapleurum gracile* Blume ex Miq. l.c. in syn.; Seem. in Journ. Bot. 3 (1865) 78.

Dutch Borneo, *Henrici*, *Motley*? Endemic.

8. *Schefflera havilandii* Merr. in Journ. Str. Branch Roy. As. Soc. 79 (1918) 29.

Sarawak, *Haviland's collector 192!* *Haviland 2947!* Endemic.

9. *Schefflera pachyphlebia* Merr. in Philip. Journ. Sci. 13 (1918) Bot. 102.

British North Borneo, *Clemens 10592!*, *Haslam!* Endemic.

10. *Schefflera petiolosa* (Miq.) Harms in Engl. & Prantl Nat. Pflanzenfam. 3|8 (1894) 37; Viguiet in Ann. Sci. Nat. Bot. IX 9 (1909) 350. *Paratropia petiolosa* Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 24. *Heptapleurum petiolosum* Seem. in Journ. Bot. 3 (1865) 78.

Dutch Borneo, *Korthals*. Endemic.

11. *Schefflera polita* (Miq.) Viguiet in Ann. Sci. Nat. Bot. IX 9 (1909) 351. *Paratropia polita* Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863-4) 22. *Heptapleurum politum* Seem. in Journ. Bot. 3 (1865) 78.

Dutch Borneo, *Korthals*. Endemic.

12. *Schefflera racemosa* Merr. in Journ. Str. Branch Roy. As. Soc. 79 (1918) 30.

Sarawak, *Ridley 11775!* *Anderson 49!* *Haviland 35!* *Native collector 2042!* *Bur. Sci.* Endemic.

13. *Schefflera redeviva* (Seem.) Harms in Engl. & Prantl Nat. Pflanzenfam. 3|8 (1894) 37. *Agalma redivivum* Seem. in Journ. Bot. 2 (1864) 299. *Heptapleurum redivivum* Boerl. Handl. Fl. Nederl. Ind. 1 (1890) 648.

Borneo, *Motley 1130*. Endemic.

14. *Schefflera tetrandra* Merr. in Philip. Journ. Sci. 13 (1918) Bot. 102.

Sarawak, *Native collector 183!*, *184!*, *185!*, *426!*, *799!*, *801!*, *505!*, *1763!*, *2707!* *Bur. Sci.*, *Foxworthy 71!* Endemic.

1. *Arthrophyllum blumeanum* Zoll. & Mor. Syst. Verzeich. (1854) 41; Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863) 27 (incl. var. *ellipticum* (Blume) Miq. and var. *oblongatum* Miq.)

Dutch Borneo, *Korthals*. Java.

2. *Arthrophyllum borneense* Baker in Kew Bull. (1896) 23. British North Borneo (Gaya Island), *Creagh*. Endemic.

3. **Arthrophyllum diversifolium** Blume Bijdr. (1826) 879; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 168.

British North Borneo, *Haviland 1254*; Sarawak, *Hose 566!*, *668!*, *591!* Malay Peninsula and Archipelago.

1. **Aralia ferox** Miq. Fl. Ind. Bat. 1|1 (1855-58) 750; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 86.

British North Borneo, *Gibbs 4294*, *Clemens 10284!* Malay Peninsula, Java.

1. **Nothopanax pinnatum** (Lam.) Miq. Fl. Ind. Bat. Suppl. (1860-62) 340. *Panax pinnatum* Lam. Encycl. 2 (1788) 715, Boerl. Handl. Fl. Nederl. Ind. 1 (1890) 647.

Borneo, *Motley*. Malay Peninsula and Archipelago.

Umbelliferae.

1. **Hydrocotyle javanica** Thunb. Diss. Hydroc. (1789) No. 17, t. 2; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 167; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 85. *Hydrocotyle nepalensis* Hock. Exot. Bot. 1 (1823) t. 30; Miq. Ill. Fl. Archip. Ind. (1871) 38.

British North Borneo, *Haviland 1273*, *Gibbs 3038*, *Haslam!*, *Topping 1575!*, *Clemens 10455!*, *10405!*; Dutch Borneo, *Korthals*. India to Japan and Malaya.

1. **Centella asiatica** (Linn.) Urb. in Mart. Fl. Bras. 11|1 286. *Hydrocotyle asiatica* Linn.; Miq. Ill. Fl. Archip. Ind. (1871) 36.

Dutch Borneo, *Korthals*. Pantropic.

1. **Didiscus saniculaefolius** (Stapf) Merr. in Philip. Journ. Sci. 2 (1907) Bot. 292; Domin in Sitzungsber. Kgl. Böhm. Gesellsch. Wissensch. Prag (1910) 66 (incl. var. *typicus* Domin, f. *glaber* Domin, and f. *hirsutus* Domin); Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 85. *Trachymene saniculaefolia* Stapf in Hook. Ic. IV 4 (1894) t. 2308, Trans. Linn. Soc. Bot. 4 (1894) 167.

British North Borneo, *Low*, *Burbidge*, *Haviland 1130*, *1162*, *Gibbs 4221*, *4150*, *4184*, *4310 bis*, *Haslam!*, *Topping 1649*, *Clemens 10538!*, *10522!*, *10612!*, *10563!*. Mindoro, Celebes, New Guinea.

1. **Sanicula europaea** Linn. Sp. Pl. (1753) 235.

British North Borneo, *Clemens 10493!*, *10550!* Southern Europe to Africa, Asia, Malay Archipelago, and the Philippines.

1. **Oenanthe laciniata** Zoll. Syst. Verzeich. (1845) 139; Miq. Ill. Fl. Archip. Ind. (1871) 42.

Dutch Borneo, *Korthals*. India to Japan southward to Malaya and tropical Australia.

1. **Oreomyrrhis borneensis** Merr. in Am. Journ. Bot. 5 (1918) 514.

British North Borneo, Mount Kinabalu, *Clemens 10622!*, *Topping 1687!* Endemic, the other species of the genus in Australia, New Zealand, and South America.

Cornaceae.

1. **Mastixia clarkeana** King in Journ. As. Soc. Beng. 71|2 (1902) 75; Hallier f. in Beihefte Bot. Centralbl. 34|2 (1916) 40.

Sarawak, *Beccari 1225*, *Haviland & Hose 3625*, *Native collector 261!*, *687!* *Bur. Sci.*; Dutch Borneo, *Hallier*. Malay Peninsula, Java.

2. **Mastixia cuspidata** Blume Mus. Bot. Lugd.-Bat. 1 (1849) 258; Hallier f. in Beihefte Bot. Centralbl. 34|2 (1916) 41.

Dutch Borneo, *Amdjah 55*. Sumatra, Java.

3. **Mastixia korthalsiana** Wang. in Fedde Repert. 4 (1907) 335, Engl. Pflanzenreich 41|4 (1910) 25; Hallier f. in Beihefte Bot. Centralbl. 34|2 (1916) 40.

Dutch Borneo, *Korthals*.

Var. **macrophylla** Wang. l.c.

Dutch Borneo, *Korthals*. Sumatra.

4. **Mastixia parvifolia** Hallier f. in Beihefte Bot. Centralbl. 34|2 (1916) 41.

Dutch Borneo, *Hallier 569*. Endemic.

5. **Mastixia trichotoma** Blume Bijdr. (1825) 655; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 86, with doubt.

British North Borneo, *Gibbs 3982*. Java.

1. **Alangium kinabaluense** W. W. Sm. in Notes Bot. Gard. Edinburgh 8 (1915) 315.

British North Borneo, *Native collector 49 Edinb.* Endemic.

2. **Alangium meizanum** Wang. in Fedde Repert. 4 (1907) 338, Engl. Pflanzenreich 41|3 (1910) 15, f. 3, F-J.

Sarawak, *Hose 2885*. Endemic.

Clethraceae.

1. **Clethra clementis** Merr. in Philip. Journ. Sci. 13 (1918) Bot. 104. *Clethra canescens* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 198; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 105, non Reinw.

British North Borneo, *Haviland 1367, Gibbs 3032, Clemens 9859!, 9826!, 1148!* Endemic.

2. **Clethra pachyphylla** Merr. in Philip. Journ. Sci. 13 (1918) Bot. 103.

British North Borneo, *Clemens 10692!* Endemic.

Ericaceae.

1. **Rhododendron acuminatum** Hook. f. Ic. II 5 (1852) t. 886; Walp. Ann. 5 (1858) 446; Becc. Malesia I (1877) 207; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 197; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 104.

British North Borneo, *Low, Gibbs 4214, Clemens 10695!, 10558!*; Sarawak, *Beccari 3233.* Endemic.

2. **Rhododendron andersonii** Ridl. in Kew Bull. (1914) 209. Sarawak, *Anderson.* Endemic.

3. **Rhododendron brevitubum** J. J. Sm. in Ic. Bogor. 4 (1914) 253, t. 381.

Dutch Borneo, *Hallier 2803.* Endemic.

4. **Rhododendron brookeanum** Low ex Lindl. in Journ. Hort. Soc. 3 (1848) 42; Hook. f. in Curtis's Bot. Mag. III 12 (1856) t. 4935; Miq. Fl. Ind. Bat. 2 (1857-59) 1057; Becc. Malesia I (1878) 207; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 196; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 103.

British North Borneo, *Low, Haviland, Gibbs 4042, Clemens 10183!, 10141!, 10300!*; Sarawak, *Beccari 3030, 2499.* Endemic.

5. **Rhododendron buxifolium** Low ex Hook. f. Ic. II 5 (1852) t. 890; Walp. Ann. 5 (1858) 446; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 197.

British North Borneo, *Low, Haviland 1080, Clemens 10658!, 10661!, Topping 1693!* Endemic.

6. **Rhododendron crassifolium** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 195; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 102.

British North Borneo, *Low, Gibbs 4079, Clemens 10997!* Endemic.

7. **Rhododendron crassinervium** Ridl. in Journ. Str. Branch Roy. As. Soc. 63 (1912) 61.

Sarawak, *Moulton*. Endemic.

8. **Rhododendron cuneifolium** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 198, *t. 15, f. B, 3*; Ridl. in Journ. Str. Branch Roy. As. Soc. 63 (1912) 61; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 104.

British North Borneo, *Haviland 1180, Gibbs 4420, 4151, Clemens 10786!*; Sarawak, *Moulton*.

Var. **subspatulatum** Ridl. in Journ. Str. Branch Roy. As. Soc. 33 (1900) 23.

Sarawak, *Shelford*. Endemic.

9. **Rhododendron durionifolium** Becc. Malesia 1 (1878) 202; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 197; Ridl. in Journ. Str. Branch Roy. As. Soc. 63 (1912) 61.

Sarawak, *Beccari 3230, Moulton*; British North Borneo, *Haviland 1163, 1298, Low, Burbidge, Clemens 10221!* Endemic.

10. **Rhododendron ericoides** Low ex Hook. f. Ic. II 5 (1852) *t. 887*; Walp. Ann. 5 (1858) 446; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 198; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 104.

British North Borneo, *Low, Burbidge, Haviland 1066, Gibbs 4199, 4276, 4180, 4306, Clemens 10579!, 10659!, Haslam!* Endemic.

11. **Rhododendron gracile** Low ex Lindl. in Journ. Hort. Soc. 3 (1848) 84 *fig.*; Becc. Malesia 1 (1877) 203.

Sarawak, *Beccari 1338, 655, 2322, 2679, Native collector 1502!, 730!* *Bur. Sci., Hewitt!* Endemic.

12. **Rhododendron jasminiflorum** Hook. f. in Curtis's Bot. Mag. *t. 4524*; Ridl. in Journ. Str. Branch Roy. As. Soc. 63 (1912) 60.

Sarawak, *Moulton, Hewitt!*, *Native collector 1641!, 2214!* *Bur. Sci.* Malay Peninsula, Java(?).

13. **Rhododendron kinabaluense** Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 108.

British North Borneo, *Clemens 10892!* Endemic.

14. **Rhododendron lacteum** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 197, *t. 15, f. A, 1-2*.

British North Borneo, *Haviland 1295, Clemens!* Endemic.

15. **Rhododendron lanceolatum** Ridl. in Journ. Str. Branch Roy. As. Soc. 63 (1912) 60.

Sarawak, *Moulton*. Endemic.

16. **Rhododendron lineare** Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 108.

Sarawak, *Native collector 1161!* *Bur. Sci.* Endemic.

17. **Rhododendron longiflorum** Lindl. in Journ. Hort. Soc. 3 (1848) 84, *fig.*; Becc. Malesia 1 (1877) 205; King & Gamble in Journ. As. Soc. Beng. 74|2 (1905) 77.

Sarawak, *Beccari 3492, 1376*. Malay Peninsula, Sumatra.

18. **Rhododendron lowii** Hook. f. Ic. II 5 (1852) *t.* 883; Walp. Ann. 5 (1858) 447; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 195; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 102.

British North Borneo, *Low, Burbidge, Haviland 1081, Gibbs 4218, 4169, Clemens 10569!, 10581!, 11031!, 10536!* New Guinea.

19. **Rhododendron malayanum** Jack in Malay Miscel. 27 (1822) 17; Becc. Malesia 1 (1878) 205.

Dutch Borneo, *Teysmann*; Sarawak, *Beccari 2138, Native collector 1163!, 2934!* *Bur. Sci., Hewitt*. Malay Peninsula, Sumatra, Java.

20. **Rhododendron maxwellii** Gibbs in Journ. Linn. Soc. Bot. 42 (1814) 103.

British North Borneo, *Gibbs 4254*. Endemic.

21. **Rhododendron moultonii** Ridl. in Journ. Str. Branch Roy. As. Soc. 63 (1912) 61.

Sarawak, *Moulton* Endemic.

22. **Rhododendron nieuwenhuisii** J. J. Sm. in Ic. Bogor. 4 (1910) 75, *t.* 323.

Dutch Borneo, *Jaheri 521, Amdjah 122*; Sarawak, *Native collector 2833!* *Bur. Sci.* Endemic.

23. **Rhododendron obscurinervium** Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 109.

Sarawak, *Native collector 1504!* *Bur. Sci.* Endemic.

24. **Rhododendron orbiculatum** Ridl. in Journ. Str. Branch Roy. As. Soc. 63 (1912) 60.

Sarawak, *Moulton*. Endemic.

25. **Rhododendron quadrasianum** Vid. Rev. Pl. Vasc. Filip. (1886) 170, var. **borneense** J. J. Sm.

Dutch Borneo, *Hallier 3437!* Philippines (the species).

26. **Rhododendron rosmarinifolium** Vid. Rev. Pl. Vasc. Filip. (1886) 172, var. **villosum** J. J. Sm.

Dutch Borneo, *Hallier 575!* Philippines (the species).

27. **Rhododendron rugosum** Low ex Hook. f. Ic. II 5 (1852) *t.* 885; Walp. Ann. 5 (1858) 446; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 197; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 104.

British North Borneo, *Low, Burbidge, Haviland 1139, Gibbs 4419, Clemens 10691!, 10693!, Haslam!* Endemic.

28. **Rhododendron salicifolium** Becc. Malesia 1 (1878) 202.

Dutch Borneo, *Teysmann 11391*; Sarawak, *Beccari 2929, Native collector 1747!* *Bur. Sci.* Endemic.

29. **Rhododendron stenophyllum** Hook. f. ex Becc. Malesia 1 (1878) 203; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 196; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 104.

British North Borneo, *Low, Burbidge, Haviland 1104, Gibbs 4235, Clemens 10524!, 11000!, Haslam!* Endemic.

30. **Rhododendron subcordatum** Becc. Malesia 1 (1878) 203.

Sarawak, *Beccari 3233.* Endemic.

31. **Rhododendron variolosum** Becc. Malesia 1 (1878) 206.

Sarawak, *Beccari 2430.* Endemic.

32. **Rhododendron velutinum** Becc. Malesia 1 (1878) 204.

Sarawak, *Beccari 3956.* Endemic.

33. **Rhododendron verticillatum** Low ex Lindl. in Journ. Hort. Soc. 3 (1848) 86; Hook. f. Ic. II 5 (1852) *t.* 884; Walp. Ann. 5 (1858) 447; Becc. Malesia 1 (1877) 204; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 197.

Sarawak, *Beccari 2139, Native collector 2259!* *Bur. Sci.*; British North Borneo, *Low, Haviland 1147, Clemens 11093!*; Dutch Borneo, *Hallier 1688!* Endemic.

1. **Diplycosia acuminata** Becc. Malesia 1 (1878) 212.

Sarawak, *Beccari 3941.* Endemic.

2. **Diplycosia chrysothrix** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 191, *t.* 14, *f.* E, 10-14.

British North Borneo, *Haviland 1182, Haslam!* Endemic.

3. **Diplycosia ciliolata** Hook. f. Ic. II 5 (1852) *t.* 894; Walp. Ann. 5 (1858) 443; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 192; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 101.

British North Borneo, *Low, Haviland, 1135, Gibbs 4249, 4171.* Endemic.

4. **Diplycosia consobrina** Becc. Malesia 1 (1878) 211.
Sarawak, *Beccari 1747, 2048*. Endemic.
5. **Diplycosia cinnamomifolia** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 195; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 102.
British North Borneo, *Haviland 1138, Gibbs 3125, Clemens 10567!, 10696!* Endemic.
6. **Diplycosia ensifolia** Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 107.
British North Borneo, *Clemens 11027!* Endemic.
7. **Diplycosia heterophylla** Blume (?) Bijdr. (1826) 858; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 192.
British North Borneo, *Haviland 1146*. Sumatra, Java.
8. **Diplycosia kinabaluensis** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 193, t. 14, f. B, 4-6; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 102.
British North Borneo, *Haviland 1086, Gibbs 4112, 4311*. Endemic.
9. **Diplycosia latifolia** Blume Bijdr. (1826) 858; Boerl. Handl. Fl. Nederl. Ind. 2|1 (1891) 270. *Gaultheria latifolia* Zoll. Syst. Verzeich. (1854-55) 138; Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 41.
Dutch Borneo, *Korthals*. Malay Peninsula, Java.
10. **Diplycosia macrophylla** Becc. Malesia 1 (1878) 212.
Sarawak, *Beccari 1723, 2076, 2146*. Endemic.
11. **Diplycosia memecyloides** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 194.
British North Borneo, *Haviland 1208, Clemens 10641!* Endemic.
12. **Diplycosia microphylla** Becc. Malesia 1 (1878) 212.
Sarawak, *Beccari 2031!* This is not *Vaccinium microphyllum* Blume, which is a true *Vaccinium*, and which was erroneously reduced by Hooker f. to Beccari's species. King & Gamble consider it as *Vaccinium microphyllum* Blume, but I consider the Malay Peninsula form (*Wray 1105!, Scortechini 1171!*) to be distinct not only from Blume's species but also from *Diplycosia microphylla* Becc. Endemic.
13. **Diplycosia myrtillus** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 192.
British North Borneo, *Haviland 1136*. Endemic.

14. **Diplycosia penduliflora** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 193, t. 14, f. C, 7.

British North Borneo, *Haviland 1269*. Endemic.

15. **Diplycosia pinifolia** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 192, t. 14, f. A, 1-3.

British North Borneo, *Haviland 1297*, *Clemens!*, *Haslam!* Endemic.

16. **Diplycosia punctulata** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 193.

British North Borneo, *Haviland 1202*, *Clemens!* Endemic.

17. **Diplycosia rufa** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 191, t. 14, f. D, 8-9.

British North Borneo, *Haviland 1137*, *1181*, *Clemens 10694!* *10929!*, *Haslam!* Endemic.

18. **Diplycosia scabrida** Becc. Malesia 1 (1878) 211.

Sarawak, *Beccari 2494*. Endemic.

19. **Diplycosia urceolata** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 194.

British North Borneo, *Haviland 1150*. Endemic.

1. **Gaultheria borneensis** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 190, t. 15, f. C, 4-6; Rendle in Journ. Bot. 34 (1896) 355; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 101.

British North Borneo, *Haviland 1085*, *Gibbs 4421*. Luzon, Formosa.

1. **Costeria ovalifolia** J. J. Sm. in Ic. Bogor. 4 (1910) 77, t. 324.

Karimata and Madjang (Maja) Islands, west of Borneo, *Teysmann*. A monotypic endemic genus.

1. **Vaccinium acuminatissimum** Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863) 36. *Vaccinium lanceolatum* (Blume) J. J. Sm. in Ic. Bogor. 3 (1910) 68; Koord. Exkursionsfl. Java 3 (1912) 12, non DC. *Rigiolepis borneensis* Hook. f. Ic. III 2 (1876) 54, t. 1160.

Sarawak, *Lobb, Native collector 95!*, *731!*, *1503!*, *1748!* *Bur. Sci.* Malay Peninsula, Sumatra, Java; to be compared with *Vaccinium borneense* W. W. Sm.

2. **Vaccinium bancanum** Miq. Fl. Ind. Bat. Suppl. (1860-62) 587; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 101.

British North Borneo, *Gibbs 2998*; Dutch Borneo, *Hallier 2892!*; Sarawak, *Foxworthy 427!*, *Native collector 2355!* *Bur. Sci.*

Var. **tenuinervium** J. J. Sm. in Meded. Dept. Landbouw 18 (1914) 159.

Dutch Borneo, *Hallier* 1467!; British North Borneo, *Clemens* 10788! Malay Peninsula, Banca, Billiton, the variety in Java.

3. **Vaccinium borneense** W. W. Sm. in Notes Bot. Gard. Edinburgh 8 (1915) 329.

Sarawak, *Native collector* 66 *Edinb.* Endemic; to be compared with *Rigiolepis borneensis* Hook. f. = *Vaccinium acuminatissimum* Miq., forma.

4. **Vaccinium buxifolium** Hook. f. Ic. II 5 (1852) t. 891; Walp. Ann. 5 (1858) 440; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 189; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 101.

British North Borneo, *Low*, *Haviland* 1083, 1084, *Gibbs* 4172, *Clemens* 10665! Endemic.

5. **Vaccinium caudatifolium** Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 103.

Sarawak, *Native collector* 1679!, 2792! *Bur. Sci.* Endemic.

6. **Vaccinium claoxylon** J. J. Sm. in Ic. Bogor. 4 (1910) 71, t. 321.

Dutch Borneo, *Hallier* 1690, 718; British North Borneo, *Clemens* 10688! Endemic.

7. **Vaccinium clementis** Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 102.

British North Borneo, *Clemens*!; Sarawak, *Foxworthy* 204!, *Native collector* 2285! *Bur. Sci.*; Dutch Borneo, *Hallier* 2776! Endemic.

8. **Vaccinium cordifolium** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 189, t. 15, f. D, 7-11; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 101.

British North Borneo, *Haviland* 1133, 1134, 1148, *Gibbs* 4164, 4224, *Clemens* 10534!, 10698! Endemic.

9. **Vaccinium coriaceum** Hook. f. Ic. II 5 (1852) t. 892; Walp. Ann. 5 (1858) 440; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 189; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 101.

British North Borneo, *Low*, *Haviland* 1132, *Gibbs* 4207, *Clemens* 10697! Endemic.

10. **Vaccinium ellipticum** Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863) 39, var. **macrocalyx** J. J. Sm.

Dutch Borneo, *Hallier* 1975! Java, Malay Peninsula?

11. **Vaccinium elliptifolium** Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 104.

British North Borneo, *Clemens 10894!*, *11099!* Endemic.

12. **Vaccinium hosei** Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 106.

Sarawak, *Hose 236!* Endemic.

13. **Vaccinium micrantherum** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 190.

British North Borneo, *Haviland 1296*, *Clemens 10335!* Endemic.

14. **Vaccinium pachydermum** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 189.

British North Borneo, *Haviland 1140*, *1264*, *Clemens 10928!* Endemic.

15. **Vaccinium sarawakense** Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 105.

Sarawak, *Native collector 2177!* *Bur. Sci.* Endemic.

16. **Vaccinium uniflorum** J. J. Sm. in Ic. Bogor. 4 (1910) 67, t. 320.

Dutch Borneo, *Hallier 3296.* Endemic.

17. **Vaccinium varingaefolium** (Blume) Miq. Fl. Ind. Bat. 2 (1859) 1061, Ann. Mus. Bot. Lugd.-Bat. 1 (1863) 38.

Dutch Borneo, *Korthals.* Java, Sumatra.

Epacridaceae.

1. **Styphelia lancifolia** (Hook. f.) J. J. Sm. in Ic. Bogor. 4 (1910) 82, Nova Guinea 8 (1912) 797; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 107. *Leucopogon lancifolius* Hook. f. Ic. II 5 (1852) t. 898; Walp. Ann. 5 (1858) 454.

British North Borneo, *Low*, *Gibbs 2578*, *Clemens 9576!*, *11264!*, *Haslam!* Endemic.

2. **Styphelia learmonthiana** Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 105, f. 5.

British North Borneo, *Gibbs 4126*, *4302.* Endemic.

3. **Styphelia malayana** (Jack) J. J. Sm. in Nova Guinea 8 (1912) 797. *Leucopogon malayanus* Jack in Malay Miscel. 1/5 (1820) 20; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 198. *Styphelia malayica* Drude in Engl. & Prantl Nat. Pflanzenfam. 4/1 (1889) 78; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 107. *Leucopogon malaica* Spreng. Syst. 4 (1827) Cur. Post. 67.

British North Borneo, *Haviland 1263, Gibbs 4053, Clemens 10927!*, *10972*; Sarawak, *Native collector 2230!* *Bur. Sci. Malay Peninsula, Banca, Sumatra.*

4. *Styphelia suaveolens* (Hook. f.) Koord. in *Rec. Trav. Bot. Néerl.* 7 (1910) 95, *Exkursionsfl. Java* 3 (1912) 22; Gibbs in *Journ. Linn. Soc. Bot.* 42 (1914) 107. *LeucogoPON suaveolens* Hook. f. *IC. II* 5 (1852) t. 898; Walp. *Ann.* 5 (1858) 454; Stapf in *Trans. Linn. Soc. Bot.* 4 (1894) 198.

British North Borneo, *Low, Haviland 1062, Gibbs 4241, 4179, Clemens 10667!*, *10633!*, *10572!*, *10638!*, *Haslam!*, *Topping 1695!* Philippines, Celebes.

Myrsinaceae.

1. *Maesa clementis* Merr. in *Philip. Journ. Sci.* 13 (1918) Bot. 106.

British North Borneo, *Clemens 10494!*, *10462!*, *10102!* Endemic.

2. *Maesa conferta* Merr. in *Philip. Journ. Sci.* 13 (1918) Bot. 107.

British North Borneo, *Clemens 9969!*, *9968!* Endemic.

3. *Maesa indica* (Roxb.) Wall. in *Roxb. Fl. Ind.* 2 (1824) 230, in nota; Mez in *Engl. Pflanzenreich* 9 (1902) 29; Stapf in *Trans. Linn. Soc. Bot.* 4 (1894) 199.

British North Borneo, *Haviland 1191, 1192, 1304.* India to Java.

4. *Maesa macrocarpa* Scheff. *Comm. Myrsin. Archip. Ind.* (1867) 25, Mez in *Engl. Pflanzenreich* 9 (1902) 45.

Dutch Borneo, *Korthals.* Celebes.

5. *Maesa macrothyrsa* Miq. *Fl. Ind. Bat. Suppl.* (1860-62) 573; Mez in *Engl. Pflanzenreich* 9 (1902) 49. *Maesa floribunda* Scheff. *Comm. Myrsin. Archip. Ind.* (1867) 18.

Dutch Borneo, *De Vriese, Teysmann.* Malay Peninsula, Sumatra.

6. *Maesa polyantha* Scheff. *Comm. Myrsin. Archip. Ind.* (1867) 16; Mez in *Engl. Pflanzenreich* 9 (1902) 49.

Dutch Borneo, *Korthals:* British North Borneo, *Villamil 311!*, *Clemens 9775!* Endemic.

7. *Maesa ramentacea* Wall. in *Roxb. Fl. Ind.* 2 (1824) 230; Mez in *Engl. Pflanzenreich* 9 (1902) 27; Gibbs in *Journ. Linn. Soc. Bot.* 42 (1914) 107.

Sarawak, *Beccari* 13, 552, *Haviland* 100; British North Borneo, *Gibbs* 2986, 2991, 3949, *Clemens* 9452!, 11184!, *Villamil* 145!, *Yates* 37!; Sarawak, *Hose* 201!, 521!, *Native collector* 189!, 393!, 436!, 678!, 1177!, 1450!, 1990!, 2552!, 2671! *Bur. Sci.* India to Yunnan southward to Sumatra and Java.

8. ***Maesa subcaudata*** Merr. in Philip. Journ. Sci. 13 (1918) Bot. 105.

British North Borneo, *Villamil* 384! Endemic.

9. ***Maesa tenuifolia*** Mez in Engl. Pflanzenreich 9 (1902) 44.

Borneo, *Kamphövener* 2661, 2794. Endemic.

1. ***Aegiceras corniculatum*** (Linn.) Blanco Fl. Filip. (1837) 79; Mez in Engl. Pflanzenreich 9 (1902) 55.

Sarawak, *Beccari* 1096, *Native collector* 321!, 2278! *Bur. Sci.*, *Foxworthy* 291! Dutch Borneo, *Foxworthy* 554! Along the seashore, India to southern China southward to tropical Australia.

2. ***Aegiceras floridum*** R. & S. Syst. 4 (1819) 512.

Sarawak, *Native collector* 1601! *Bur. Sci.* Along the seashore, Malay Archipelago to the Philippines and New Guinea.

1. ***Ardisia amabilis*** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 203; Mez in Engl. Pflanzenreich 9 (1902) 118; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 107.

British North Borneo, *Haviland* 1211, *Gibbs* 4116. Endemic.

2. ***Ardisia beccariana*** Mez in Engl. Pflanzenreich 9 (1902) 110.

Sarawak, *Beccari* 1690. Endemic.

3. ***Ardisia borneensis*** Scheff. Comm. Myrsin. Archip. Ind. (1867) 79; Mez in Engl. Pflanzenreich 9 (1902) 113.

Dutch Borneo, *Korthals*. Endemic.

4. ***Ardisia brachythyrsa*** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 202; Mez in Engl. Pflanzenreich 9 (1902) 140; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 108.

British North Borneo, *Haviland* 1316, *Gibbs* 4045. Endemic.

5. ***Ardisia caudifera*** Mez in Engl. Pflanzenreich 9 (1902) 116. *Ardisia anceps* Blume var. ***borneensis*** Scheff. Comm. Myrsin. Archip. Ind. (1868) 78?

Borneo, *Beccari* 1963. Endemic.

6. *Ardisia colorata* Roxb. Fl. Ind. 2 (1824) 271; Mez in Engl. Pflanzenreich 9 (1902) 113.

British North Borneo, *Clemens* 10071!, 10823!, 11100!, 10902!, 10119!; Sarawak, *Hose* 247!, 584!, 452!, *Native collector* 191!, 682!, 1797!, 1934!, 2618! *Bur. Sci.* India to Java.

7. *Ardisia copelandii* Mez in Philip. Journ. Sci. 1 (1906) Suppl. 272, Fedde Repert. 3 (1906) 98; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 108.

British North Borneo, *Gibbs* 3078. Mindanao.

8. *Ardisia crassa* Clarke in Hook. f. Fl. Brit. Ind. 3 (1882) 518; King & Gamble in Journ. As. Soc. Beng. 74|2 (1905) 131.

Borneo, fide *Gamble* l.c. Malay Peninsula.

9. *Ardisia crispa* (Thunb.) A. DC. in Trans. Linn. Soc. 17 (1834) 124; Mez in Engl. Pflanzenreich 9 (1902) 144. *Ardisia crenata* Roxb.; King & Gamble in Journ. As. Soc. Beng. 74|2 (1905) 148.

Borneo, fide *Mez*. l.c. Japan to India southward to Malaya.

10. *Ardisia cymosa* Blume Bijdr. (1825) 689; Mez in Engl. Pflanzenreich 9 (1902) 104. *Ardisia pauciflora* Heyne var. *cymosa* Scheff.; Boerl. Handl. Fl. Nederl. Ind. 2|1 (1891) 293.

Dutch Borneo, *Korthals*. Java, Sumatra.

11. *Ardisia dolichosepala* Merr. in Philip. Journ. Sci. 13 (1918) Bot. 112.

British North Borneo, *Clemens* 10819!, 10486! Endemic.

12. *Ardisia fuliginosa* Blume Bijdr. (1825) 692; Mez in Engl. Pflanzenreich 9 (1902) 99.

Dutch Borneo, *Korthals*. Endemic.

13. *Ardisia hosei* Merr. in Philip. Journ. Sci. 13 (1918) Bot. 116.

Sarawak, *Hose* 585! Endemic.

14. *Ardisia javanica* A. DC. Prodr. 8 (1844) 130; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 203; Mez, in Engl. Pflanzenreich 9 (1902) 119.

Sarawak, *Beccari* 400, British North Borneo, *Haviland* 1144, *Clemens* 10479!, 10646! Sumatra, Java.

15. *Ardisia humilis* Vahl Symb. 3 (1794) 40; Mez in Engl. Pflanzenreich 9 (1902) 127. *Climacandra obovata* Miq.; Boerl. Handl. Fl. Nederl. Ind. 2|1 (1891) 295.

Sarawak, *Native collector* 1446!, 2206! *Bur. Sci.*, *Foxworthy* 284!, *Hose* 59!; British North Borneo, *Villamil* 362!, *Clemens* 9704!, 9749!, 9708!

f. *salicifolia* (A. DC.) Mez. l.c. 129.

Sarawak, *Beccari*. India to southern China southward to Malaya; the proper name for the Malayan form may prove to be *Ardisia littoralis* Andr.

16. *Ardisia kinabaluensis* Merr. in *Philip. Journ. Sci.* 13 (1918) Bot. 114.

British North Borneo, *Clemens* 10517!, 10663!, 10663a!, 10933!, *Haslam*!

17. *Ardisia korthalsiana* Scheff. *Comm. Myrsin. Archip. Ind.* (1867) 57; Mez in *Engl. Pflanzenreich* 9 (1902) 99.

Dutch Borneo, *Korthals*. Sumatra, Java, Celebes, Amboina.

18. *Ardisia lanceolata* Roxb. *Fl. Ind.* 2 (1824) 275; Mez in *Engl. Pflanzenreich* 9 (1902) 122. *Ardisia purpurea* Reinw. ex Blume *Bijdr.* (1825) 684; Scheff. in *Nat. Tijdschr. Nederl. Ind.* 31 (1870) 373 (var. *borneensis* Scheff.)

Dutch Borneo, *Korthals*, *Winkler* 3250! Malay Peninsula, Sumatra, Java, Philippines, Celebes.

19. *Ardisia lancifolia* Merr. in *Philip. Journ. Sci.* 13 (1918) Bot. 113.

British North Borneo, *Clemens* 10518!, 10827! Endemic.

20. *Ardisia lepidotula* Merr. in *Philip. Journ. Sci.* 13 (1918) Bot. 115.

Sarawak, *Foxworthy* 386!, 375!, *Native collector* 2227! *Bur. Sci.* Endemic.

21. *Ardisia lucida* Merr. in *Philip. Journ. Sci.* 13 (1918) Bot. 111.

British North Borneo, *Clemens* 10331!, 10435! Endemic.

22. *Ardisia lurida* Blume *Bijdr.* (1825) 687; Mez in *Engl. Pflanzenreich* 9 (1902) 130.

Dutch Borneo, *Korthals*. Java.

23. *Ardisia macrocalyx* Scheff. *Comm. Myrsin. Archip. Ind.* (1867) 91; Mez in *Engl. Pflanzenreich* 9 (1902) 124.

Dutch Borneo, *Korthals*. Endemic.

24. *Ardisia macrophylla* Reinw. in Blume *Bijdr.* (1825) 691; Mez in *Engl. Pflanzenreich* 9 (1902) 100.

Dutch Borneo, *Korthals*; Sarawak, *Native collector* 2323! *Bur. Sci.* Java, Sumatra.

25. *Ardisia moultonii* Merr. in Philip. Journ. Sci. 13 (1918) Bot. 108.
Sarawak, *Native collector* 156!, 372!, 673!, 1631!, 2350! *Bur. Sci.* Endemic.
26. *Ardisia obscurinervia* Merr. in Philip. Journ. Sci. 13 (1918) Bot. 112.
Sarawak, *Foxworthy* 34! Endemic.
27. *Ardisia oocarpa* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 202; Mez in Engl. Pflanzenreich 9 (1902) 110.
British North Borneo, *Haviland* 1317. Endemic.
28. *Ardisia oxyphylla* Wall. Cat. (1830) No. 2291; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 204; Mez in Engl. Pflanzenreich 9 (1902) 131; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 107.
British North Borneo, *Haviland* 1242. Tenasserim, Malay Peninsula, Penang, Sumatra.
29. *Ardisia pachysandra* Mez in Engl. Pflanzenreich 9 (1902) 97, f. 14, A-E; King & Gamble in Journ. As. Soc. Beng. 74/2 (1905) 121.
Borneo (?), fide Gamble l.c. Malay Peninsula.
30. *Ardisia perrottetiana* A. DC. in Ann. Sci. Nat. II 16 (1841) 95, Prodr. 8 (1844) 128; Mez in Engl. Pflanzenreich 9 (1902) 127.
British North Borneo, *Fraser* 129. Philippines.
31. *Ardisia polyactis* Mez in Engl. Pflanzenreich 9 (1902) 118.
Sarawak, *Haviland & Hose* 606, *Beccari* 2020, *Native collector* 165!, 196!, 358!, 448!, 674!, 675!, 1452!, 2502! *Bur. Sci.*, *Sarawak Museum!*; British North Borneo, *Haslam!* Endemic.
32. *Ardisia pygmaea* Merr. in Philip. Journ. Sci. 13 (1918) Bot. 110.
Sarawak, *Native collector* 424!, 672!, 1448!, 1178! *Bur. Sci.* Endemic.
33. *Ardisia reclinata* Scheff. Comm. Myrsin. Archip. Ind. (1867) 69; Mez in Engl. Pflanzenreich 9 (1902) 130.
Dutch Borneo, *Korthals!*; British North Borneo, *Agama* 421! Endemic.
34. *Ardisia sarawakensis* Merr. in Philip. Journ. Sci. 13 (1918) Bot. 109.
Sarawak, *Foxworthy* 201! Endemic.

35. *Ardisia serrata* (Cav.) Pers. Syn. 1 (1805) 233; Scheff. in Nat. Tijdschr. Nederl. Ind. 33 (1873) 424 (var. *semiserrata* Scheff.); Mez in Engl. Pflanzenreich 9 (1902) 137; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 108.

Borneo, *Motley*; Dutch Borneo, *Teysmann*; British North Borneo, *Gibbs* 2667. Banca, Philippines.

36. *Ardisia synneura* Scheff. Comm. Myrsin. Archip. Ind. (1867) 80; Mez in Engl. Pflanzenreich 9 (1902) 112.

Dutch Borneo, *Korthals*; Sarawak, *Beccari* 856, 1262, *Haviland & Hose* 3478, *Hose* 249!, 287!, 638!, *Native collector* 2954! *Bur. Sci.* Endemic.

37. *Ardisia vestita* Wall. in Roxb. Fl. Ind. 2 (1824) 274; Mez in Engl. Pflanzenreich 9 (1902) 141; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 108. *Ardisia villosa* Roxb.; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 204.

British North Borneo, *Gibbs* 2763, *Haviland* 1212. Burma to Tonkin, Hainan, Malay Peninsula, Java, and Sumatra.

38. *Ardisia virens* Kurz For. Fl. Brit. Burma 2 (1877) 575; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 203; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 108.

British North Borneo, *Haviland* 1315, *Gibbs* 2886, *Burbridge, Clemens* 10480! Assam to Yunnan, Malay Peninsula.

39. *Ardisia zollingeri* A. DC. Prodr. 8 (1844) 670; Mez in Engl. Pflanzenreich 9 (1902) 111; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 107.

Sarawak, *Haviland & Hose* 605; British North Borneo, *Gibbs* 3984, 4002 bis. Malay Peninsula, Sumatra, Java.

1. *Discocalyx cybianthoides* (A. DC.) Mez in Engl. Pflanzenreich 9 (1902) 213.

British North Borneo, *Fraser*. Philippines.

1. *Labisia neriifolia* Hallier f. in Bull. Herb. Boiss II 1 (1901) 669.

Dutch Borneo, *Hallier*. Endemic.

2. *Labisia obtusifolia* Hallier f. in Bull. Herb. Boiss. II 1 (1901) 667, t. 9, f. 2.

Dutch Borneo, *Jaheri, Teysmann* 11067. Endemic.

3. *Labisia pumila* (Blume) Benth. & Hook. f. ex Index Kew. 2 (1894) 17; Mez in Engl. Pflanzenreich 9 (1902) 172. *Labisia alata* N. E. Br. in Ill. Hort. 33 (1886) 123, t. 605; Hallier f. in Bull. Herb. Boiss. II 1 (1901) 668. *Labisia pothoina* Lindl. Bot. Reg. (1845) t. 48; Stapf in Trans. Linn. Soc. Bot. 4 (1894)

200; Hallier f. ex Winkler in Engl. Bot. Jahrb. 49 (1913) 371. *Labisia malouiana* Linden & Rodigas in Ill. Hort. 32 (1885) 186, t. 580.

Dutch Borneo, *Hallier, Winkler 2528, 3201*; British North Borneo, *Burbidge*; Sarawak, *Native collector 195!, 238!, 681!, 1183!, 1451!, 2380!* *Bur. Sci.*

Var. **lanceolata** (Scheff.) Mez in Engl. Pflanzenreich 9 (1902) 172.

Dutch Borneo, *Korthals, Motley 1250*; British North Borneo, *Villamil 250!, Clemens 10896!, 10833!*

Var. **alata** (Scheff.) Mez, l.c.

Borneo, *Barber*; Sarawak, *Native collector 1932!* *Bur. Sci.*; British North Borneo, *Clemens 10922!, 11101!* Cochinchina to Malaya and the Philippines.

1. **Grenacheria beccariana** Mez in Engl. Pflanzenreich 9 (1902) 293.

Sarawak, *Beccari 3320*. Endemic.

2. **Grenacheria cinerascens** Mez in Engl. Pflanzenreich 9 (1902) 293.

Sarawak, *Beccari 550*. Endemic.

3. **Grenacheria lampani** (Scheff.) Mez. in Engl. Pflanzenreich 9 (1902) 292. *Embelia lampani* Scheff. Comm. Myrsin. Archip. Ind. (1867) 37; King & Gamble in Journ. As. Soc. Beng. 74|2 (1905) 110.

Sarawak, *Haviland & Hose*. Malay Peninsula, Sumatra.

1. **Embelia angulosa** King & Gamble in Journ. As. Soc. Beng. 74|2 (1905) 110.

British North Borneo, *Haviland 1152*. Malay Peninsula.

2. **Embelia biflora** Mez in Engl. Pflanzenreich 9 (1902) 323.

Sarawak, *Beccari 3226*. Endemic.

3. **Embelia borneensis** Scheff. Comm. Myrsin. Archip. Ind. (1867) 43; Mez in Engl. Pflanzenreich 9 (1902) 304.

Dutch Borneo, *Korthals*. Endemic.

4. **Embelia buxifolia** Ridl. in Journ. Str. Branch. Roy. As. Soc. 63 (1912) 61.

Sarawak, *Moulton*. Endemic.

5. ***Embelia coriacea*** Wall. Cat. (1830) No. 2314; Mez in Engl. Pflanzenreich 9 (1902) 313; King & Gamble in Journ. As. Soc. Beng. 74|2 (1905) 109.

Sarawak, *Beccari* 878, 1189, 2561, *Haviland* & *Hose* 2561, 3469, *Hose* 129!, 485!, *Native collector* 1181! *Bur. Sci.*; *Haviland* 1152 reported by Stapf as this species is *E. angulosa* King & Gamble. Malay Peninsula, Sumatra, Java, Philippines.

6. ***Embelia corymbifera*** Mez in Engl. Pflanzenreich 9 (1902) 312.

Sarawak, *Beccari* 3245. Endemic.

7. ***Embelia dasythyrsa*** Miq. Fl. Ind. Bat. Suppl. (1860-62) 573; Mez in Engl. Pflanzenreich 9 (1902) 305.

Sarawak, *Hose* 536!, *Native collector* 369!, 679! *Bur. Sci.*; British North Borneo, *Clemens* 9828! Banca.

8. ***Embelia effusa*** Mez in Engl. Pflanzenreich 9 (1902) 311.

Sarawak, *Haviland* & *Hose* 3471, *Beccari* 3210. Endemic.

9. ***Embelia fulva*** Mez in Engl. Pflanzenreich 9 (1902) 312. Sarawak, *Beccari* 1705. Endemic.

10. ***Embelia javanica*** A. DC. Prodr. 8 (1844) 84; Mez in Engl. Pflanzenreich 9 (1902) 310.

Dutch Borneo, *Korthals*. Java, Sumatra.

11. ***Embelia kinabaluensis*** Wernh. ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 108.

British North Borneo, *Gibbs* 4161, *Clemens* 10514! Endemic.

12. ***Embelia minutiflora*** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 201; Mez in Engl. Pflanzenreich 9 (1902) 323.

British North Borneo, *Haviland* 1117, *Clemens* 10515! Endemic.

13. ***Embelia myriantha*** Mez in Engl. Pflanzenreich 9 (1902) 304.

Sarawak, *Beccari* 1138. Endemic.

14. ***Embelia pergamacea*** A. DC. Prodr. 8 (1844) 85; Mez in Engl. Pflanzenreich 9 (1902) 310.

Sarawak, *Beccari* 767. Java, Malay Peninsula.

15. ***Embelia phaeadenia*** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 201; Mez in Engl. Pflanzenreich 9 (1902) 322.

British North Borneo, *Haviland* 1203. Endemic.

16. **Embelia ribes** Burm. f. Fl. Ind. (1768) 62, t. 23; Mez in Engl. Pflanzenreich 9 (1902) 303.

Sarawak, *Beccari 141*. India to southern China southward to Sumatra and Java.

17. **Embelia spiraeoides** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 201; Mez in Engl. Pflanzenreich 9 (1902) 322.

British North Borneo, *Haviland 1089*. Endemic.

18. **Embelia tenuis** Mez in Engl. Pflanzenreich 9 (1902) 314.

Sarawak, *Hullett 271*. Endemic.

19. **Embelia tortuosa** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 200; Mez in Engl. Pflanzenreich 9 (1902) 311.

British North Borneo, *Haviland 1113*, *Clemens 10526!* Endemic.

1. **Rapanea avenis** (Blume) Mez in Engl. Pflanzenreich 9 (1902) 357. *Myrsine avenis* A. DC. in Trans. Linn. Soc. 17 (1834) 107; King & Gamble in Journ. As. Soc. Beng. 74|2 (1905) 100. *Myrsine capitellata* Wall. var. *avenis* Clarke; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 199.

British North Borneo, *Haviland 1090, 1151*. Malay Peninsula, Java, Celebes, Philippines.

2. **Rapanea borneensis** (Scheff.) Mez in Eng. Pflanzenreich 9 (1902) 359. *Myrsine borneensis* Scheff. Comm. Myrsin. Archip. Ind. (1867) 50, Nat. Tijdschr. Nederl. Ind. 32 (1873) 421.

Dutch Borneo, *De Vriese, Korthals*; Sarawak, *Haviland & Hose 2800, Foxworthy 218!, 24!* Ceram, Gebeh, Halmaheira.

3. **Rapanea dasyphylla** (Stapf) Mez in Engl. Pflanzenreich 9 (1902) 363. *Myrsine dasyphylla* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 199.

British North Borneo, *Haviland 1065*. Endemic.

4. **Rapanea umbellata** (Wall.) Mez in Engl. Pflanzenreich 9 (1902) 362.

Dutch Borneo, *Korthals, Beccari 4000*. Malay Peninsula, Sumatra.

Sapotaceae.

1. **Payena beccarii** Pierre in Bull. Soc. Linn. Paris 1 (1885) 525.

Sarawak, *Beccari 1818*. Endemic.

2. **Payena benjamina** (De Vriese) Pierre in Bull. Soc. Linn. Paris 1 (1885) 524. *Isonandra ? benjamina* De Vriese in Nat. Tijdschr. Nederl. Ind. 21 (1860) 310, Journ. Bot. Néerl. 1 (1861) 258.

Borneo, *Motley* 1364. Endemic.

3. **Payena engleri** Merr. nom. nov. *Payena beccarii* Engl. Bot. Jahrb. 12 (1890) 508, non Pierre.

Sarawak, *Beccari* 1598. Endemic.

4. **Payena glutinosa** Pierre in Bull. Soc. Linn. Paris 1 (1885) 529.

Sarawak, *Beccari* 2991. Endemic.

5. **Payena havilandii** King & Gamble in Journ. As. Soc. Beng. 74|2 (1905) 169.

Sarawak, *Haviland* 2098, 2320. Endemic.

6. **Payena latifolia** Burck in Ann. Jard. Bot. Buitenz. 5 (1886) 58, t. 9; Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 26.

Dutch Borneo, *Van Romburgh*.

Var. **rubiginosa** Boerl. l.c.

Dutch Borneo, *Van Romburgh*. Billiton.

7. **Payena leerii** (T. & B.) Kurz in Journ. As. Soc. Beng. 40|2 (1871) 69; Pierre in Bull. Soc. Linn. Paris 1 (1885) 524; Burck in Ann. Jard. Bot. Buitenz. 5 (1886) 56, t. 8; Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 25. *Azaola leerii* T. & B. in Nat. Tijdschr. Nederl. Ind. 6 (1854) 116. *Keratophorus leerii* Hassk. Retzia (1856) 101. *Ceratophorus leerii* Miq. Fl. Ind. Bat. 2 (1857-59) 1039.

Dutch Borneo, *Van Romburgh*, *Tromp*; Sarawak, *Sarawak Museum*! Malay Peninsula to Sumatra, the Philippines and the Moluccas.

8. **Payena longipedicellata** Brace ex King & Gamble in Journ. As. Soc. Beng. 74|2 (1905) 169.

Sarawak, *Haviland* 3035. Malay Peninsula.

9. **Payena microphylla** (De Vriese) Burck in Ann. Jard. Bot. Buitenz. 5 (1886) 60. *Isonandra microphylla* De Vriese in Nat. Tijdschr. Nederl. Ind. 21 (1860) 312, Journ. Bot. Néerl. 1 (1861) 260.

Borneo, *Motley*. Endemic.

10. **Payena parvifolia** Engl. Bot. Jahrb. 12 (1890) 508.

Sarawak, *Beccari* 1848. Endemic.

11. **Payena rubro-pedicellata** Burck in Ann. Jard. Bot. Buitenz. 5 (1886) 55; Boerl. in Bull. Inst. Bot. Buitenz. 5 (1910) 26.

Dutch Borneo, *Van Romburgh*.

In cultivation in the Botanic Garden, Buitenzorg, Java. Endemic.

1. **Ganua beccarii** Pierre ex Dubard in Bull. Mus. Hist. Nat. Paris 14 (1908) 408, Fedde Repert. 9 (1911) 395.

Sarawak, *Beccari 2241, 2958*. Endemic.

2. **Ganua coriacea** Pierre ex Dubard in Bull. Mus. Hist. Nat. Paris 14 (1908) 408.

Sarawak, *Beccari 3085*. Endemic.

3. **Ganua fusca** (Engl.) comb. nov. *Illipe fusca* Engl. Bot. Jahrb. 12 (1890) 510. *Ganua rubiginosa* Pierre ex Becc. Nelle Foreste di Borneo (1902) 590; Dubard in Rev. Gén. Bot. 20 (1908) 202.

Sarawak, *Beccari 3503*. Endemic.

4. **Ganua motleyana** Pierre ex Dubard in Rév. Gen. Bot. 20 (1908) 202. *Isonandra motleyana* De Vriese in Nat. Tijdschr. Nederl. Ind. 21 (1860) 308, Journ. Bot. Néerl. 1 (1861) 257. *Bassia motleyana* Clarke in Hook. f. Fl. Brit. Ind. 3 (1882) 546; Burck in Ann. Jard. Bot. Buitenz. 5 (1866) 44. *Illipe motleyana* Engl. Bot. Jahrb. 12 (1890) 509.

Borneo, *Motley*. Malay Peninsula.

5. **Ganua prolixa** Pierre ex Dubard in Bull. Mus. Hist. Nat. Paris 14 (1908) 409.

Sarawak, *Beccari 2446*. Endemic.

6. **Ganua sarawakensis** Pierre ex Dubard in Bull. Mus. Hist. Nat. Paris 14 (1908) 409, Fedde Repert. 9 (1911) 395.

Sarawak, *Beccari 3105*. Endemic.

Ganua blumei Pierre and *G. nigricans* Pierre ex Becc. Nelle Foreste di Borneo (1902) 590 are both *nomina nuda*.

1. **Bassia crassipes** Pierre ex Becc. Nelle Foreste di Borneo (1902) 580. *Illipe crassipes* Pierre ex Dubard in Rev. Gén. Bot. 20 (1908) 195, *nomen*, Bull. Mus. Hist. Nat. Paris 14 (1908) 405.

Sarawak, *Beccari 206, 904*. Endemic.

1. **Kakosmanthus costulatus** Pierre ex Dubard in Bull. Mus. Hist. Nat. Paris 14 (1908) 406.

Sarawak, *Beccari 3000*. Endemic.

2. **Kakosmanthus sarawakensis** Pierre ex Dubard in Bull. Mus. Hist. Nat. Paris 14 (1908) 407.

Sarawak, *Beccari* 423, 1178, 2069. Endemic.

1. **Diploknema sebifera** Pierre in Arch. Néerl. Sci. Nat. 19 (1884) 105, t. 4; *Becc. Nelle Foreste di Borneo* (1902) 587.

Borneo, *Knappert*. A monotypic endemic genus.

1. **Palaquium acuminatum** (Miq.) Burck in Ann. Jard. Bot. Buitenz. 5 (1886) 40; Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 23. *Isonandra? acuminata* Miq. Fl. Bat. Suppl. (1860-62) 581.

Borneo, *Van Romburgh*. Sumatra.

2. **Palaquium beccarii** Pierre ex Dubard in Bull. Soc. Bot. France 56 (1909) Mém. 16: 20.

Dutch Borneo, *Teysmann*. Endemic.

3. **Palaquium borneense** Pierre in Bull. Soc. Linn. Paris 1 (1885) 499; Dubard in Bull. Soc. Bot. France 56 (1909) Mém. 16: 16. *Palaquium obscurum* Burck in Ann. Jard. Bot. Buitenz. 5 (1886) 40.

Dutch Borneo, *Teysmann*; cult. Buitenzorg IV-D-1! Sumatra.

4. **Palaquium calophyllum** (T. & B.) Pierre ex Burck in Ann. Jard. Bot. Buitenz. 5 (1886) 28; Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 24; Dubard in Bull. Soc. Bot. France 56 (1906) Mém. 16: 8. *Isonandra calophylla* T. & B. in Nat. Tijdschr. Nederl. Ind. 27 (1864) 35.

Dutch Borneo, *Teysmann!*, *De Vriese!*, *Van Romburgh*; Sarawak, *Beccari* 2226, 2278, 2614, *Native collector* 710! *Bur. Sci.*; British North Borneo, *Clemens* 9502!, 10105!, 10135! Endemic.

5. **Palaquium crassifolium** Pierre ex Dubard in Bull. Soc. Bot. France 56 (1909) Mém. 16: 23.

Sarawak, *Beccari* 2099. Endemic.

6. **Palaquium dasyphyllum** (De Vriese) Pierre ex Dubard in Bull. Soc. Bot. France 56 (1909) Mém. 16: 8. *Isonandra dasyphylla* De Vriese in Nat. Tijdschr. Nederl. Ind. 21 (1860) 307, *Journ. Bot. Néerl.* 1 (1861) 256.

Borneo, *Motley*, *Teysmann* 5066. Endemic.

7. **Palaquium edenii** Pierre ex Dubard in Bull. Soc. Bot. France 56 (1909) Mém. 16: 22.

Sarawak, *Beccari* 361. Endemic.

8. **Palaquium ferrugineum** Pierre ex Dubard in Bull. Soc. Bot. France 56 (1909) Mém 16: 11.
Sarawak, *Beccari* 2283. Endemic.
9. **Palaquium fulvosericeum** Engl. Bot. Jahrb. 12 (1890) 511; Dubard in Bull. Soc. Bot. France 56 (1909) Mem. 16: 9.
Sarawak, *Beccari* 295, 1191, 2606, *Low*. Endemic.
10. **Palaquium gutta** (Hook.) Burck in Ann. Jard. Bot. Buitenz. 5 (1886) 24, t. 4; Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 20. *Isonandra gutta* Hook. Lond. Journ. Bot. 6 (1847) 463; Miq. Fl. Ind. Bat. 2 (1859) 1038; De Vriese in Journ. Bot. Néerl. 1 (1861) 256.
Borneo, *Motley*, *Van Romburgh*.
Var. **sessiliflora** Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 21.
Dutch Borneo, *Van Romburgh*. Malay Peninsula, Sumatra.
11. **Palaquium leiocarpum** Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 24.
Dutch Borneo, *Van Romburgh*.
Var. **longeacuminatum** Boerl. l.c.
Dutch Borneo, *Van Romburgh*. Endemic.
12. **Palaquium lissophyllum** Pierre ex Dubard in Bull. Soc. Bot. France 56 (1909) Mém. 16: 7.
Sarawak, *Beccari* 3286. Endemic.
13. **Palaquium macrophyllum** (De Vriese) Pierre ex Dubard in Bull. Soc. Bot. France 56 (1909) Mém. 16: 10. *Isonandra macrophylla* De Vriese in Nat. Tijdschr. Nederl. Ind. 21 (1860) 309, Journ. Bot. Néerl. 1 (1861) 258. *Sideroxylon? macrophyllum* Burck in Ann. Jard. Bot. Buitenz. 5 (1886) 20.
Borneo, *Motley*. Endemic.
14. **Palaquium multiflorum** Pierre ex Dubard in Bull. Soc. Bot. France 56 (1909) Mém. 16: 23.
Sarawak, *Beccari* 1439. Endemic.
15. **Palaquium oblongifolium** Burck in Ann. Jard. Bot. Buitenz. 5 (1886) 25, t. 5; Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 21.
Dutch Borneo, *Teysmann*, *Tromp*, *Van Romburgh*; Sarawak, *Sarawak Museum* 25! Malay Peninsula, Sumatra, Riouw.
16. **Palaquium payenaefolium** Pierre ex Becc. Nelle Foréste di Borneo (1902) 602, *nomen nudum*.
Sarawak, *Beccari*. Endemic.

17. **Palaquium pierrei** Burck in Ann. Jard. Bot. Buitenz. 5 (1886) 31.

Dutch Borneo, *Van der Horst!* Endemic.

18. **Palaquium pisang** Burck in Ann. Jard. Bot. Buitenz. 5 (1886) 41; Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 23.

Dutch Borneo, *Van Romburgh*. Sumatra.

19. **Palaquium princeps** Pierre in Bull. Soc. Linn. Paris 1 (1885) 499; Dubard in Bull. Soc. Bot. France 56 (1909) Mém. 16: 16.

Dutch Borneo, *Teysmann*. Malay Peninsula.

20. **Palaquium quercifolium** (De Vriese) Burck in Ann. Jard. Bot. Buitenz. 5 (1886) 41; Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 23. *Isonandra quercifolia* De Vriese in Nat. Tijdschr. Nederl. Ind. 21 (1860) 311, Journ. Bot. Néerl. 1 (1861) 260.

Dutch Borneo, *Motley, Tromp, Van Romburgh*. Endemic.

21. **Palaquium rigidum** Pierre ex Dubard in Bull. Soc. Bot. France 56 (1909) Mém. 16: 18.

Sarawak, *Beccari 2284*. Endemic.

22. **Palaquium sambasense** Pierre ex Dubard in Bull. Soc. Bot. France 56 (1909) Mém. 16: 11. *Palaquium optimum* Becc. Nelle Foreste di Borneo (1902) 154, 558, 589, f. 30, 31, nomen. *Palaquium vriesei* Pierre ex Becc. l.c.

Dutch Borneo, *Teysmann, Beccari 2097, 2269*. Endemic.

23. **Palaquium selendit** Burck in Ann. Jard. Bot. Buitenz. 5 (1886) 41; Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 23, with doubt.

Dutch Borneo, *Van Romburgh*. Sumatra.

24. **Palaquium stipulare** Pierre ex Dubard in Bull. Soc. Bot. France 56 (1909) Mém. 16: 21.

Sarawak, *Beccari 1589*. Endemic.

25. **Palaquium treubii** Burck in Ann. Jard. Bot. Buitenz. 5 (1886) 27, t. 7. *Palaquium borneense* Burck in Ann. Jard. Bot. Buitenz. 5 (1886) 26, t. 6; Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 23; cf. Dubard in Bull. Soc. Bot. France 56 (1909) Mém. 16: 12, non Pierre.

Dutch Borneo, *Teysmann, Van Romburgh*. Malay Peninsula, Banca.

26. **Palaquium walsuraefolium** Pierre ex Dubard in Bull. Soc. Bot. France 56 (1909) Mém. 16: 22.

Sarawak, *Beccari* 557. Endemic.

27. *Palaquium xanthochymum* (De Vriese) Pierre in Bull. Soc. Linn. Paris 1 (1885) 30; Dubard in Bull. Soc. Bot. France 56 (1909) Mém. 16: 11; Burck in Ann. Jard. Bot. Buitenz. 5 (1886) 30. *Isonandra xanthochyma* De Vriese in Nat. Tijdschr. Nederl. Ind. 21 (1860) 311, Journ. Bot. Néerl. 1 (1861) 259.

Borneo, *Motley* 1366; *Teysmann*. Malay Peninsula, Banca.

1. *Achras sapota* Linn. Sp. Pl. ed. 2 (1762) 470.

British North Borneo, *Villamil* 258 bis!, *Clemens* 9511!
Pantropic in cultivation, a native of tropical America.

1. *Sideroxylon beccarianum* (Pierre) comb. nov. *Croixia beccariana* Pierre Notes Bot. (1890) 33 (err. *beccanaria*). *Planchonella beccarii* Dubard in Ann. Mus. Colon. Marseille 20 (1912) 60. *Siderocarpus beccarii* Pierre ex Dubard l.c. in syn.

Sarawak, *Beccari* 783. Malay Peninsula, fide *Dubard* l.c.

2. *Sideroxylon borneense* Burck in Ann. Jard. Bot. Buitenz. 5 (1886) 15. *Planchonella borneensis* Pierre Notes Bot. (1890) 35; Dubard in Ann. Mus. Colon. Marseille 20 (1912) 50.

Dutch Borneo, *Teysmann* 8647, *Beccari* 3357. Endemic.

3. *Sideroxylon ferrugineum* H. & A. Bot. Beechy's Voy. (1841) 266, t. 55. *Planchonella polymorpha* Dubard in Ann. Mus. Colon. Marseille 20 (1912) 47. *Sideroxylon spectrum* Korth. ex Dubard l.c. in syn.

Dutch Borneo, *Korthals*; Sarawak, *Beccari* 1744, *Foxworthy* 160!, *Hose* 522!; British North Borneo, *Clemens* 9449!, *Villamil* 113! Burma to southern China, the Philippines, and Malaya.

4. *Sideroxylon pierreanum* (Dubard) comb. nov. *Planchonella pierreana* Dubard in Not. Syst. 2 (1911) 135, Ann. Mus. Colon. Marseille 20 (1912) 60. *Croixia borneensis* Pierre ex Dubard l.c. in syn. *Siderocarpus borneensis* Pierre ex Dubard l.c. in syn.

Dutch Borneo, *Teysmann* 4197, 5661. Endemic.

5. *Sideroxylon linggense* Burck in Ann. Jard. Bot. Buitenz. 5 (1886) 42; Boerl. in Ic. Bogor. 1 (1897) t. 20.

Dutch Borneo, *Korthals*. Lingga.

6. *Sideroxylon nitidum* Blume Bijdr. (1825) 675; Miq. Fl. Ind. Bat. 2 (1859) 1037.

Borneo, fide *Miquel* l.c. Java, Sumatra.

7. **Sideroxylon vrieseanum** Pierre ex Burck in Ann. Jard. Bot. Buitenz. 5 (1885) 18; Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 27.

Dutch Borneo, *Van Romburgh*. Batjan.

1. **Chrysophyllum lanceolatum** (Blume) A. DC. Prodr. 8 (1844) 162; Miq. Fl. Ind. Bat. 2 (1859) 1035. *Nycterisition lanceolatum* Blume Bijdr. (1825) 676. *Chrysophyllum roxburghii* G. Don Gen. Syst. 4 (1838) 33.

Borneo, *Korthals*. India and Malaya to the Philippines and New Guinea.

Ebenaceae.

1. **Maba beccarii** Hiern in Trans. Cambr. Philos. Soc. 12 (1873) 140.

Sarawak, *Beccari 1948*. Endemic.

2. **Maba confertiflora** Hiern in Trans. Cambr. Philos. Soc. 12 (1873) 136; Boerl. Handl. Fl. Nederl. Ind. 2|1 (1891) 316.

Labuan, *Motley 205, Lobb*; Sarawak, *Native collector 1159!*, *1422!* *Bur. Sci.* Endemic.

3. **Maba cordata** Hiern in Trans. Cambr. Philos. Soc. 12 (1873) 141.

Sarawak, *Beccari 1429*. Endemic.

4. **Maba maingayi** Hiern in Trans. Cambr. Philos. Soc. 12 (1873) 138.

Sarawak, *Beccari 1550*. Malay Peninsula.

5. **Maba merguensis** Hiern in Trans. Cambr. Philos. Soc. 12 (1873) 134; Boerl. Handl. Fl. Nederl. Ind. 2 (1891) 316.

Sarawak, *Beccari 1470*. Burma to Sumatra, Billiton, Java.

6. **Maba motleyi** Hiern in Trans. Cambr. Philos. Soc. 12 (1873) 139.

Labuan, *Barber 167, Motley 721*. Endemic.

7. **Maba myrmecocalyx** Hiern. in Trans. Cambr. Philos. Soc. 12 (1873) 139.

Sarawak, *Beccari 3568*. Endemic.

8. **Maba punctata** Hiern in Trans. Cambr. Philos. Soc. 12 (1873) 136, *t. 4*.

Borneo, *Motley 766*; Dutch Borneo, *Korthals*; Sarawak, *Beccari 1423*; British North Borneo, *Agama 415!* Endemic.

9. **Maba teysmanni** (Hassk.) Hiern in Trans. Cambr. Philos. Soc. **12** (1873) 137.
Sarawak, *Beccari* 1822. Java.
Maba riparia Hiern ex Becc. Nelle Foreste di Borneo (1902) 597 is a *nomen nudum*.
1. **Diospyros asterocalyx** Hiern in Trans. Cambr. Philos. Soc. **12** (1873) 193.
Sarawak, *Beccari* 2612. Endemic.
2. **Diospyros beccarii** Hiern in Trans. Cambr. Philos. Soc. **12** (1873) 204.
Sarawak, *Beccari* 2492, 2591. Endemic.
3. **Diospyros borneensis** Hiern in Trans. Cambr. Philos. Soc. **12** (1873) 173.
Labuan, *Motley* 7. Endemic.
4. **Diospyros buxifolia** (Blume) Hiern in Trans. Cambr. Philos. Soc. **12** (1873) 218.
Sarawak, *Beccari* 1973; British North Borneo, *Villamil* 48! Malay Peninsula, Java, Mindanao.
5. **Diospyros coriacea** Hiern in Trans. Cambr. Philos. Soc. **12** (1873) 259; Boerl. Handl. Fl. Nederl. Ind. 2|1 (1891) 317.
Sarawak, *Beccari* 1422, 3455. Endemic.
6. **Diospyros dictyoneura** Hiern in Trans. Cambr. Philos. Soc. **12** (1873) 192.
Sarawak, *Beccari* 2542, 2615. Endemic.
7. **Diospyros discolor** Willd. Sp. Pl. 4 (1806) 1108; Boerl. Handl. Fl. Nederl. Ind. 2|1 (1891) 317; Merr. in Philip. Journ. Sci. 3 (1908) Bot. 425.
Borneo, fide *Boerlage* l.c. Philippines.
8. **Diospyros eriantha** Champ. in Hook. Kew Journ. Bot. 4 (1852) 302; Hiern in Trans. Cambr. Philos. Soc. **12** (1873) 202.
Dutch Borneo, *Korthals*. Southern China and Formosa.
9. **Diospyros fuliginea** Hiern in Trans. Cambr. Philos. Soc. **12** (1873) 184.
Sarawak, *Beccari* 2486. Endemic.
10. **Diospyros graciliflora** Hiern in Trans. Cambr. Philos. Soc. **12** (1873) 191.
Sarawak, *Beccari* 1560. Endemic.
11. **Diospyros korthalsiana** Hiern in Trans. Cambr. Philos. Soc. **12** (1873) 168.

, Dutch Borneo, *Korthals*. Endemic.

12. **Diospyros lateralis** Hiern in Trans. Cambr. Philos. Soc. 12 (1873) 167.

Sarawak, *Beccari 1600*. Endemic.

13. **Diospyros pergamena** Hiern in Trans. Cambr. Philos. Soc. 12 (1873) 234; Boerl. Handl. Fl. Nederl. Ind. 2|1 (1891) 317 (*pergamacea*).

Sarawak, *Eccari 1787*. Endemic.

14. **Diospyros plectosepala** Hiern in Trans. Cambr. Philos. Soc. 12 (1873) 201.

Sarawak, *Beccari 3225*. Endemic.

15. **Diospyros polyalthoides** Korth. ex Hiern in Trans. Cambr. Philos. Soc. 12 (1873) 198, t. 7.

Dutch Borneo, *Korthals*. Endemic.

16. **Diospyros rigida** Hiern in Trans. Cambr. Philos. Soc. 12 (1873) 257; King & Gamble in Journ. As. Soc. Beng. 74|2 (1905) 222.

Sarawak, *Beccari 2285*. Malay Peninsula.

17. **Diospyros rotundifolia** Hiern in Trans. Cambr. Philos. Soc. 12 (1873) 163.

Sarawak, *Beccari 3567*. Endemic.

18. **Diospyros subrigida** Hochr. Pl. Bogor. Exsicc. (1904) 14, in Bull. Inst. Bot. Buitenz. 19 (1904) 24, Ann. Jard. Bot. Buitenz. Suppl. 3 (1910) 866; Fedde Repert. 5 (1908) 348.

Cultivated at Buitenzorg, Java IV, 1-59, from Sarawak. Endemic.

19. **Diospyros sumatrana** Miq. Pl. Jungh. (1852) 203; Hiern in Trans. Cambr. Philos. Soc. 12 (1873) 236.

Dutch Borneo, *Korthals*. Sumatra.

20. **Diospyros toposia** Ham. in Trans. Linn. Soc. 15 (1827) 115; Hiern in Trans. Cambr. Philos. Soc. 12 (1873) 263; Boerl. Handl. Fl. Nederl. Ind. 2|1 (1891) 317.

Sarawak, *Beccari 3052*. India.

Diospyros hypoleuca Hiern ex Becc. Nelle Foreste di Borneo, (1902) 580, and *D. complicata* Hiern l.c. are *nomina nuda*.

Styraceae.

1. **Styrax serrulatus** Roxb. Fl. Ind. ed. 2, 2 (1832) 415, Hort. Beng. (1814) 33, *nomen nudum*; Hallier f. in Beihefte Bot. Centralbl. 34|2 (1916) 42.

Dutch Borneo, *Winkler 3140*. India to the Malay Peninsula and Ceram.

Symplocaceae.

1. **Symplocos adenophylla** Wall. Cat. (1831) No. 4427; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 204; Brand in Engl. Pflanzenreich 6 (1901) 48 (var. *virgata* Brand).

Sarawak, *Beccari 2115, Lobb, Foxworthy 434!*, *Native collector 1457!*, *2262!* *Bur. Sci.*; British North Borneo, *Haviland 1187, 1256, Clemens 10903!*, *11015!*, *10965!* Malay Peninsula, Penang, Sumatra, Banca, Mindoro.

2. **Symplocos albifrons** Brand in Engl. Pflanzenreich 6 (1901) 88.

Sarawak, *Haviland 1891*. Endemic.

3. **Symplocos borneensis** Brand in Engl. Pflanzenreich. 6 (1901) 56.

Sarawak, *Beccari 3467*. Endemic.

4. **Symplocos brachybotrys** Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 110.

British North Borneo, *Clemens 10961!* Endemic.

5. **Symplocos buxifolia** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 206; Brand in Engl. Pflanzenreich 6 (1901) 64.

British North Borneo, *Low, Clemens 10639!* Endemic.

6. **Symplocos candicans** Brand in Engl. Pflanzenreich 6 (1901) 49.

Sarawak, *Beccari 3632*. Endemic.

7. **Symplocos celastrifolia** Griff. ex Clarke in Hook. f. Fl. Brit. Ind. 3 (1882) 575; King & Gamble in Journ. As. Soc. Beng. 74|2 (1905) 239; Brand in Engl. Pflanzenreich 6 (1901) 48.

Sarawak, *Beccari 2374, Haviland, Motley*; Dutch Borneo, *Teysmann*. Malay Peninsula.

8. **Symplocos clementis** Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 111.

British North Borneo, *Clemens 10559!*, *Haslam!* Endemic.

9. **Symplocos confusa** Brand in Engl. Pflanzenreich 6 (1901) 88.

Sarawak, *Beccari 2405, Native collector 2231!*, *2232!* *Bur. Sci.*; British North Borneo, *Clemens 10689!*, *10945!* Southern China, Philippines, Malay Peninsula.

10. **Symplocos constricta** Brand in Engl. Pflanzenreich 6 (1901) 41.

British North Borneo, *Creagh*. Endemic.

*11. **Symplocos deflexa** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 205; Brand in Engl. Pflanzenreich 6 (1901) 64; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 109.

British North Borneo, *Haviland 1105, Gibbs 4267*. Endemic.

12. **Symplocos ernae** Brand in Engl. Pflanzenreich 6 (1901) 58.

Sarawak, *Beccari 1495, 3499*. Endemic.

13. **Symplocos fasciculata** Zoll. Syst. Verzeich. (1854) 136; Brand in Engl. Pflanzenreich 6 (1901) 34; King & Gamble in Journ. As. Soc. Beng. 74|2 (1905) 235.

Sarawak, *Haviland 1545, 1024, Beccari 1116, 2380, Foxworthy 331!* Malay Peninsula, Java, Sumatra.

14. **Symplocos gambliana** Brand in Bull. Herb. Boiss. II 6 (1906) 748. *Symplocos havilandii* King & Gamble in Journ. As. Soc. Beng. 74|2 (1905) 251, non Brand.

Sarawak, *Haviland 1954*. Endemic.

15. **Symplocos havilandii** Brand in Engl. Pflanzenreich 6 (1901) 41.

Sarawak, *Haviland*. Endemic.

16. **Symplocos iteophylla** Miq. Fl. Ind. Bat. Suppl. (1860-61) 476.

British North Borneo, *Clemens 9439!*; Sarawak, *Native collector 2264! Bur! Sci. Banca*.

17. **Symplocos johniana** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 206; Brand in Engl. Pflanzenreich 6 (1901) 65.

British North Borneo, *Haviland 1161, Clemens 10999!* Endemic.

18. **Symplocos laeteviridis** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 205; Brand in Engl. Pflanzenreich 6 (1901) 53.

British North Borneo, *Haviland 1320*. Endemic.

19. **Symplocos nigricans** Brand in Engl. Pflanzenreich 6 (1901) 49.

Borneo, collector unknown, fide *Brand l.c.*; Sarawak, *Native collector 1592!, 2343!, 2354!*; British North Borneo, *Wood 441!, Agama 429!* Endemic.

20. **Symplocos phanerophlebia** Merr. in Philip. Journ. Sci. 9 (1914) Bot. 382, Journ. Str. Branch Roy. As. Soc. 76 (1917) 112.

British North Borneo, *Villamil 182!* Philippines.

21. *Symplocos polyandra* (Blanco) Brand in Engl. Pflanzenreich 6 (1901) 36, quoad syn. Blanco, exc!. descr. *Symplocos oblongifolia* Rolfe in Journ. Bot. 23 (1885) 214; Vid. Phan. Cuming. Philip. (1885) 33, 124; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 109. *Symplocos superba* Brand in Engl. Pflanzenreich 6 (1901) 55.

Sarawak, *Beccari 3658, Foxworthy 420!*; British North Borneo, *Gibbs 4324, Villamil 172!, 358!, 248 bis!, Clemens 9567!* Philippines.

22. *Symplocos odoratissima* (Blume) Choisy ex Zoll. Syst. Verzeich. (1854) 136; Brand in Engl. Pflanzenreich 6 (1901) 35 (var. *divaricata* Brand).

Sarawak, *Beccari 4014*. Malay Peninsula, Sumatra, Java.

23. *Symplocos rubiginosa* Wall. Cat. (1831) No. 4432; Brand in Engl. Pflanzenreich 6 (1901) 53.

Sarawak, *Beccari 1216, Haviland 1679, 3480*. Malay Peninsula, Penang, Sumatra.

24. *Symplocos zizyphoides* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 205; Brand in Engl. Pflanzenreich 6 (1901) 65; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 109.

British North Borneo, *Haviland 1088, Gibbs 4257*. Endemic.

Oleaceae.

1. *Linociera callophylla* (Blume) Knobl. in Bot. Centralbl. 61 (1894) 87, 153. *Chionanthus callophylla* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 319; Boerl. Handl. Fl. Nederl. Ind. 2|2 (1899) 335.

Borneo, fide *Boerlage l.c.*; Sarawak, *Native collector 584!* *Bur. Sci.* Endemic.

2. *Linociera cuspidata* (Blume) Knobl. in Bot. Centralbl. 61 (1894) 87, 153. *Chionanthus cuspidata* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 319; Miq. Fl. Ind. Bat. 2 (1857-59) 551.

Dutch Borneo, *Korthals*. Celebes.

3. *Linociera elaeocarpa* Stapf in Kew Bull. (1915) 115. Sarawak, *Beccari 725, Sarawak Museum!* Endemic; the Bornean specimen identified by King & Gamble as *L. macrocarpa* Knobl. is *L. elaeocarpa* Stapf.

4. *Linociera evenia* Stapf in Kew Bull. (1915) 116.

Sarawak, *Beccari 3301*. Endemic.

5. *Linociera laxiflora* (Blume) Knobl. in Bot. Centralbl. 61 (1894) 129. *Chionanthus laxiflora* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 319; Boerl. Handl. Fl. Archip. Ind. 2|2 (1899) 336.

Borneo, fide *Boerlage* l.c.; British North Borneo, *Clemens* 9460! Endemic.

6. *Linociera macrobotrys* Merr. in Philip. Journ. Sci. 13 (1918) Bot. 117.

Sarawak, *Foxworthy* 369! Endemic.

7. *Linociera oligantha* Merr. in Philip. Journ. Sci. 13 (1918) Bot. 118.

Sarawak, *Hose* 554!; British North Borneo, *Villamil* 385! Endemic.

8. *Linociera paludosa* King & Gamble in Journ. As. Soc. Beng. 74|2 (1905) 268.

Sarawak, *Hose* 330!, 222!; Dutch Borneo, *Winkler* 3234! Malay Peninsula, Palawan.

9. *Linociera pauciflora* Clarke in Hook. f. Fl. Brit. Ind. 3 (1882) 609; King & Gamble in Journ. As. Soc. Beng. 74|2 (1905) 266.

Sarawak, *Haviland* 1766. Tenasserim, Andaman Islands, Malay Peninsula.

10. *Linociera pluriflora* Knobl. in Bot. Centralbl. 61 (1894) 130.

Sarawak, *Beccari* 915. Endemic.

11. *Linociera ramiflora* (Roxb.) Wall. Cat. (1831) No. 2824; Merr. in Philip. Journ. Sci. 11 (1916) Bot. 306. *Chionanthus ramiflorus* Roxb. Fl. Ind. ed. 2, 1 (1832) 107.

Sarawak, *Hose* 497!; British North Borneo, *Clemens* 11262!, *Villamil* 310! Burma and Indo-China through the Philippines and Malaya to tropical Australia.

12. *Linociera verruculosa* Merr. in Philip. Journ. Sci. 13 (1918) Bot. 119.

British North Borneo, *Villamil* 224! Endemic.

1. *Ligustrum robustum* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 313; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 110.

British North Borneo, *Gibbs* 3031. India to the Malay Peninsula, Sumatra, and Java.

1. *Myxopyrum coriaceum* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 320; Walp. Ann. 3 (1852) 18; Miq. Fl. Ind. Bat. 2 (1857-59) 550; A. W. Hill in Kew Bull. (1910) 44.

Dutch Borneo, *Korthals*. Endemic.

2. *Myxopyrum ellipticum* A. W. Hill in Kew Bull. (1910) 42, f. 5.

Sarawak, *Haviland* 3039. Endemic.

1. *Jasminum amoenum* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 270; Miq. Fl. Ind. Bat. 2 (1857-59) 533.

Dutch Borneo, *Korthals*. Celebes.

2. *Jasminum bifarium* Wall. Cat. (1831) No. 2866; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 110. *Jasminum nummularioides* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 275; Miq. Fl. Ind. Bat. 2 (1857-59) 537, 1087.

British North Borneo, *Gibbs 2684*, *Villamil 314!*, *Clemens 11287!*, *Topping 1387!* Sarawak, *Hose 504!* Malay Peninsula, Sumatra, Java, Philippines.

3. *Jasminum gracillimum* Hook. f. in Gard. Chron. 15 (1881) 9, fig. Curtis's Bot. Mag. III 37 (1881) t. 6559; Kew Bull. Add. Series 4 (1900) 219.

Borneo, *Burbidge*. Endemic.

4. *Jasminum ligustrinum* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 276; Miq. Fl. Ind. Bat. 2 (1857-59) 537, 1081.

Borneo, fide *Miquel* l.c. Java.

5. *Jasminum sarawacense* King & Gamble in Journ. As. Soc. Beng. 74|2 (1905) 264.

Sarawak, *Haviland & Hose 3489*. Endemic.

Loganiaceae.

1. *Gelsemium sumatranum* (Blume) Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 111. *Leptopteris sumatrana* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 240, f. 34.

British North Borneo, *Gibbs 3130*. Sumatra.

1. *Mitrasacme alsinoides* R. Br. Prodr. (1810) 453; Boerl. Handl. Fl. Nederl. Ind. 2|2 (1899) 458.

Borneo, fide *Boerlage* l.c. Tropical Asia to Australia.

2. *Mitrasacme nudicaulis* Reinw. ex Blume Bijdr. (1826) 849.

British North Borneo, *Clemens 9682!* Tropical Asia to Australia.

1. *Norrisia malaccensis* Gardn. in Hook. Kew Journ. Bot. 1 (1849) 327; Boerl. Handl. Fl. Nederl. Ind. 2|2 (1899) 460.

Borneo, fide *Boerlage* l.c. Malay Peninsula.

1. *Strychnos cuspidata* A. W. Hill in Kew Bull. (1909) 359, (1911) 288, (1917) 199.

Sarawak, *Beccari 1188*, *1348*; Dutch Borneo, *Nieuwenhuis*. Endemic.

2. *Strychnos laurina* Wall. Cat. (1829) No. 1591; A. W. Hill in Kew Bull. (1917) 150, fig. *Strychnos acuminata* Wall. Cat. (1829) No. 1593; A. W. Hill in Kew Bull. (1911) 302.

Dutch Borneo, *Motley* 902? Burma.

3. *Strychnos ovalifolia* Wall. Cat. (1829) No. 1592; A. W. Hill in Kew Bull. (1917) 201. *Strychnos beccarii* Gilg in Notizbl. Kgl. Bot. Gart. Berlin 1 (1897) 267; A. W. Hill in Kew Bull. (1911) 291.

Sarawak, *Beccari* 1580, 3767; Dutch Borneo, *Hallier* 3153? Malay Peninsula, Penang, Singapore. *Beccari* 1580 is the basis of the Bornean references to *Strychnos tieute* Lesch. by King and Gamble and by Dop.

4. *Strychnos polytrichantha* Gilg in Notizbl. Kgl. Bot. Gart. Berlin (1897) 267; A. W. Hill in Kew Bull. (1911) 298, fig., (1917) 156.

Sarawak, *Beccari* 2275, 1190. Endemic.

5. *Strychnos pubescens* Clarke in Hook. f. Fl. Brit. Ind. 4 (1883) 89; A. W. Hill in Kew Bull. (1911) 292, (1917) 167.

Sarawak, *Beccari* 2035; Dutch Borneo, *De Vriese*. Indo-China, Malay Peninsula.

1. *Fagraea acuminatissima* Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 232.

Sarawak, *Hose* 46!, *Native collector* 686! *Bur. Sci.* Endemic.

2. *Fagraea borneensis* Scheff. in Nat. Tijdschr. Nederl. Ind. 31 (1870) 21.

Sarawak, *Lobb*. Endemic.

3. *Fagraea caudata* Ridl. in Journ. Str. Branch Roy. As. Soc. 79 (1918) 98.

"Borneo," *Lobb* 1853. Endemic.

4. *Fagraea coarctata* Blume Rumphia 2 (1836) 33, Mus. Bot. Lugd.-Bat. 1 (1850) 170; Miq. Fl. Ind. Bat. 2 (1857-58) 368.

Dutch Borneo, *Korthals*. Moluccas, New Guinea.

5. *Fagraea cordifolia* Blume Rumphia 2 (1836) 33, Mus. Bot. Lugd.-Bat. 1 (1850) 171; Miq. Fl. Ind. Bat. 2 (1857-59) 638.

Borneo, fide *Blume* l.c. Moluccas.

6. *Fagraea cuspidata* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 170; Walp. Ann. 3 (1852) 76. *Fagara crassipes* Benth. in Journ. Linn. Soc. Bot. 1 (1859) 99; Miq. Fl. Ind. Bat. 2 (1859) 1080;

Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 111; Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 237. *Fagara robusta* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 170; Walp. Ann. 3 (1852) 76.

Labuan, *Motley*; British North Borneo, *Gibbs 2974, Villamil 331!, Yates 79!*; Sarawak, *Native collector 1669!, 1812!, 1940!, 2787!* *Bur. Sci.* Moluccas, New Guinea.

7. *Fagraea cymosa* Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 234.

British North Borneo, *Clemens 9627!*; Sarawak, *Native collector 384!, 776!* *Bur. Sci.* Endemic.

8. *Fagraea fragrans* Roxb. Fl. Ind. 2 (1824) 32; Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 236.

Sarawak, *Native collector 685!* *Bur. Sci.*; British North Borneo, *Clemens 9563!, Villamil 300!*; Dutch Borneo, *Winkler 2468!* Malay Peninsula and Archipelago to Palawan and Mindoro.

9. *Fagraea grandifolia* Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 231.

Sarawak, *Hose 472!* Endemic.

10. *Fagraea involucrata* Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 233.

Sarawak, *Native collector 2083!* *Bur. Sci.* Endemic.

11. *Fagraea ligustrina* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 171.

Borneo, fide *Blume* l.c.; Sarawak, *Native collector 328!, 1112!, 1435!, 1779!* *Bur. Sci.* Singapore, Moluccas.

12. *Fagraea litoralis* Blume var. *forstenii* (Blume) Miq.; Boerl. Handl. Fl. Nederl. Ind. 2|2 (1899) 459. *Fagara heterophylla* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 168; Walp. Ann. 3 (1852) 75; Miq. Fl. Ind. Bat. 2 (1857-59) 375.

Dutch Borneo, *Korthals*. Celebes.

13. *Fagraea macrocypha* Baker in Kew Bull. (1896) 25. British North Borneo, *Creagh*. Endemic.

14. *Fagraea minor* Reinw. ex Blume Bijdr. (1826) 1021; Miq. Fl. Ind. Bat. 2 (1859) 1080; Benth. in Journ. Linn. Soc. Bot. 1 (1857) 99.

Borneo, *Low*. Moluccas? Java?; a species of doubtful status.

15. *Fagraea picrophloea* Blume Rumphia 2 (1836) 36; Boerl. Handl. Fl. Nederl. Ind. 2|2 (1899) 459.

Borneo, fide *Boerlage* l.c. Sumatra, Java.

16. **Fagraea racemosa** Jack in Roxb. Fl. Ind. 2 (1824) 35; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 111.

British North Borneo, *Gibbs 2871*; Sarawak, *Foxworthy 121!* Malay Peninsula and Indo-China to New Guinea.

17. **Fagraea rostrata** Blume Rumphia 2 (1836) 31, t. 76, f. 2, Mus. Bot. Lugd.-Bat. 1 (1850) 168; Miq. Fl. Ind. Bat. 2 (1857-59) 374. *Fagraea splendens* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 168; Walp. Ann. 3 (1852) 75.

Dutch Borneo, *Korthals*. New Guinea.

18. **Fagraea speciosa** Blume Rumphia 2 (1836) 35, t. 81; Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 237. *Cyrtophyllum speciosum* Blume Bijdr. (1826) 1022.

British North Borneo, *Villamil 202!*, *251 bis!* Java to the Moluccas.

19. **Fagraea spicata** Baker in Kew Bull. (1896) 25; Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 237.

British North Borneo, *Creagh, Clemens 9453!*, *Villamil 293!*, *Yates!* Endemic.

20. **Fagraea stenophylla** Becc. Nelle Foreste di Borneo (1902) 524, f. 65, 1; Merr. in Journ. Str. Branch. Roy. As. Soc. 77 (1917) 236, cum descr.

Sarawak, *Beccari 3863*, *Native collector 2828!* *Bur. Sci.* Endemic.

21. **Fagraea uniflora** Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 235.

Sarawak, *Foxworthy 114!* Endemic.

1. **Buddleia asiatica** Lour. Fl. Cochinch. (1790) 72; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 208; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 110.

British North Borneo, *Haviland 1352*, *Gibbs 3031*, *Clemens 9838!* Malay Peninsula and Indo-China to the Philippines and the Moluccas.

Gentianaceae.

1. **Exacum chironioides** Griseb. Gen. Sp. Gent. (1839) 109. *Exacum tetragonum* Boerl. Handl. Fl. Nederl. Ind. 2|2 (1899) 472; King & Gamble in Journ. As. Soc. Beng. 74|2 (1905) 87; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 112, non Roxb. *Exacum albens* Blanco; Hallier f. in Beihefte Bot. Centralbl. 34|2 (1916) 42, non Roxb.

Dutch Borneo, *Winkler* 2292; British North Borneo, *Gibbs* 2942, 2943. Tropical Asia through Malaya to New Guinea.

1. *Cotylanthera tenuis* Blume Bijdr. (1826) 708; *Gibbs* in Journ. Linn. Soc. Bot. 42 (1914) 112.

British North Borneo, *Gibbs* 2906, *Foxworthy* 617! Java, Philippines.

1. *Gentiana borneensis* Hook. f. Ic. III 5 (1883) 32, t. 1440 B; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 209.

British North Borneo, *Haviland* 1160, *Low*, *Topping* 1647!, *Clemens* 10512!, 10513! Endemic.

2. *Gentiana clementis* Merr. in Philip. Journ. Sci. 13 (1918) Bot. 120.

British North Borneo, *Clemens* 10650!, 10703! Endemic.

3. *Gentiana lycopodioides* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 208; *Gibbs* in Journ. Linn. Soc. Bot. 42 (1914) 112.

British North Borneo, *Haviland* 1060, *Gibbs* 4281, 3129, *Clemens* 10712! Endemic.

Apocynaceae.

1. *Melodinus curvinervius* Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 10.

Dutch Borneo, *Van Romburgh*.

Var. *parvifolius* Boerl. l.c.

Dutch Borneo, *Van Romburgh*. Endemic.

2. *Melodinus fasciculatus* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 155; Miq. Fl. Ind. Bat. 2 (1857-59) 396.

Dutch Borneo, *Korthals*. Endemic.

3. *Melodinus ovalis* Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 12.

Dutch Borneo, *Van Romburgh*. Endemic.

4. *Melodinus pulchrinervius* Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 10.

Dutch Borneo, *Van Romburgh*. Endemic.

5. *Melodinus rhytidiphyllus* Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 10.

Dutch Borneo, *Van Romburgh*. Endemic.

1. *Leuconotis anceps* Jack in Trans. Linn. Soc. 14 (1823) 121, t. 4; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 206; Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 7.

British North Borneo, *Haviland 1365*; Dutch Borneo, *Van Romburgh*. Sumatra.

2. ***Leuconotis crassifolia*** Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 9.

Dutch Borneo, *Van Romburgh*. Endemic.

3. ***Leuconotis elastica*** Becc. Nelle Foreste di Borneo (1902) 358, 562, 563, f. 59; Stapf in Hook. Ic. IV 8 (1902) t. 2733.

Sarawak, *Beccari 2291*, *Haviland 3063*. Endemic.

4. ***Leuconotis eugenifolia*** A. DC. Prodr. 8 (1844) 331; Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 7; King & Gamble in Journ. As. Soc. Beng. 74|2 (1907) 407; Winkler in Engl. Bot. Jahrb. 49 (1913) 372.

Dutch Borneo, *Van Romburgh*, *Winkler 2247, 3253*; Sarawak, *Beccari 3246*, *Burbidge*. Malay Peninsula, Sumatra.

5. ***Leuconotis gigantea*** Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 8.

Dutch Borneo, *Van Romburgh*.

Var. ***crassifolia*** Boerl. l.c.

Dutch Borneo, *Van Romburgh*.

Var. ***ovalis*** Boerl. l.c.

Dutch Borneo, *Van Romburgh*. Endemic.

6. ***Leuconotis intermedia*** Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 7.

Dutch Borneo, *Van Romburgh*. Endemic.

7. ***Leuconotis subavenis*** Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 9.

Dutch Borneo, *Van Romburgh*.

Var. ***latifolia*** Boerl. l.c.

Dutch Borneo, *Van Romburgh*.

Var. ***macrophylla*** Boerl. l.c.

Dutch Borneo, *Van Romburgh*. Endemic.

1. ***Allamanda cathartica*** Linn. Mant. 2 (1771) 214.

British North Borneo, *Clemens 9731!*, *Villamil 121!* Pantropic in cultivation, a native of tropical America.

1. ***Willughbya beccarii*** (Pierre) K. Schum. in Engl. & Prantl Nat. Pflanzenfam. Nachtr. 2 (1900) 55. *Ancylocladus beccarii* Pierre in Bull. Soc. Linn. Paris 1 (1898) 98.

Sarawak, *Beccari*. Endemic.

2. *Willughbya edulis* Roxb. Pl. Coromandel 3 (1819) t. 280; Boerl. Handl. Fl. Nederl. Ind. 2|2 (1899) 391.

Borneo, fide *Boerlage* l.c. India to the Malay Peninsula.

3. *Willughbya firma* Blume Mus. Bot. Lugd.-Bat. 1 (1850) 154; Stapf in Hook. f. Ic. IV 4 (1894) t. 2344, Trans. Linn. Soc. Bot. 4 (1898) 207; Winkler in Engl. Bot. Jahrb. 49 (1913) 371; Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 5. *Willughbeia burbidgei* Dyer in Kew Rept. (1880) 44.

British North Borneo, *Burbidge*; Sarawak, *Beccari* 2273, *Ridley* 9055; Dutch Borneo, *Van Romburgh*.

Vars. *macrophylla* Boerl. l.c., *obtusifolia* Boerl. l.c., *platyphylla* Boerl. l.c.

Dutch Borneo, *Van Romburgh*. Malay Peninsula, Sumatra.

4. *Willughbya grandiflora* Dyer ex Hook. f. Fl. Brit. Ind. 3 (1882) 625; King & Gamble in Journ. As. Soc. Beng. 74|2 (1907) 392.

Sarawak, *Beccari* 3335, *Haviland* 2301, 3045. Malay Peninsula; *Beccari* 3335 is the type of *Ancylocladus glaucinus* Pierre in Bull. Soc. Linn. Paris 1 (1898) 98 = *Willughbya glaucina* K. Schum. in Engl. & Prantl Nat. Pflanzenfam. Nachtr. 2 (1900) 55.

5. *Willughbya minutiflora* (Pierre) K. Schum. in Engl. & Prantl Nat. Pflanzenfam. Nachtr. 2 (1900) 55. *Ancylocladus minutiflorus* Pierre in Bull. Soc. Linn. Paris 1 (1898) 96.

Sarawak, *Beccari* 4030. Endemic.

6. *Willughbya sarawakensis* (Pierre) K. Schum. in Engl. & Prantl Nat. Pflanzenfam. Nachtr. 2 (1900) 55; Becc. Nelle Foreste di Borneo (1902) 603. *Ancylocladus sarawakensis* Pierre in Bull. Soc. Linn. Paris 1 (1898) 98. (*sarawhaensis*).

Sarawak, *Beccari*. Endemic.

7. *Willughbya tenuiflora* Dyer ex Hook. f. Fl. Brit. Ind. 3 (1882) 625; Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 6.

Dutch Borneo, *Van Romburgh*. Sumatra, Malay Peninsula.

8. *Willughbya treacheri* Dyer in Kew Rept. (1880) 44, *nomen*; Boerl. Handl. Fl. Nederl. Ind. 2|2 (1899) 391, *nomen*.

Borneo, fide *Dyer* l.c. Endemic.

9. *Willughbya vrieseana* (Pierre) K. Schum. in Engl. & Prantl Nat. Pflanzenfam. Nachtr. 2 (1900) 55. *Ancylocladus vriesianus* Pierre in Bull. Soc. Linn. Paris 1 (1898) 95.

Dutch Borneo, *De Vriese*, fide *K. Schumann*. Endemic.

1. **Chilocarpus anguineus** Stapf in Hook. Ic. IV 10 (1913) t. 2993.

Sarawak, *Haviland* 2060. Endemic.

2. **Chilocarpus enervis** Hook. f. Fl. Brit. Ind. 3 (1882) 626; Winkler in Engl. Bot. Jahrb. 49 (1913) 371.

Sarawak, *Haviland* & *Hose* 3490; Dutch Borneo, *Winkler* 2346. Malay Peninsula.

3. **Chilocarpus globuliferus** Blume Mus. Bot. Lugd.-Bat. 1 (1850) 152; Walp. Ann. 3 (1852) 28; Miq. Fl. Ind. Bat. 2 (1857-59) 392.

Dutch Borneo, *Korthals*. Endemic.

4. **Chilocarpus vernicosus** Blume Mus. Bot. Lugd.-Bat. 1 (1850) 152; Miq. Fl. Ind. Bat. 2 (1857-59) 392.

Dutch Borneo, *Korthals*. Endemic.

1. **Urnularia beccariana** (O. Kuntze) Stapf in Hook. Ic. IV 8 (1901) t. 2711. *Ancylocladus beccarianus* O. Kuntze Rev. Gen. Pl. 1 (1891) 412; Pierre in Bull. Soc. Linn. Paris 2 (1886) 98. *Willoughbya beccariana* "Benth. & Hook. f." ex K. Schum. in Engl. & Prantl Nat. Pflanzenfam. Nachtr. 2 (1900) 55?

Sarawak, *Beccari* 3764, *Hose* 24. Endemic.

2. **Urnularia oblongifolia** Stapf in Hook. Ic. IV 8 (1901) sub. t. 2711.

Sarawak, *Beccari* 2272. Endemic.

3. **Urnularia ovatifolia** Stapf in Hook. Ic. IV 8 (1901) sub. t. 2711.

Sarawak, *Haviland* 2302. Endemic.

1. **Plumiera acuminata** Ait. Hort. Kew, ed. 2, 2 (1811) 70. *Plumiera acutifolia* Poir. in Lam. Encycl. Suppl. 2 (1812) 667.

British North Borneo, *Villamil* 174!, cult. A native of tropical America, now cultivated in all tropical countries.

1. **Alstonia angustifolia** Wall. Cat. (1829) No. 1650.

Sarawak, *Sarawak Museum* 109! Malay Peninsula.

2. **Alstonia angustiloba** Miq. Fl. Ind. Bat. 2 (1857-59) 438; King & Gamble in Journ. As. Soc. Beng. 74|2 (1907) 438.

Sarawak, *Haviland* 1732, *Sarawak Museum* 130! Malay Peninsula, Java.

3. **Alstonia macrophylla** Wall. Cat. (1829) No. 1648; King & Gamble in Journ. As. Soc. Beng. 7|4 (1907) 439.

Borneo, fide *King & Gamble* l.c.; British North Borneo, *Villamil* 348! India to the Philippines and New Guinea.

4. *Alstonia scholaris* (Linn.) R. Br. in Mem. Wern. Soc. 1 (1809) 75; Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 15.

Dutch Borneo, *Van Romburgh*; Sarawak, *Foxworthy* 101! Tropical Africa and Asia to tropical Australia.

5. *Alstonia spathulata* Blume Bijdr. (1827) 1037; King & Gamble in Journ. As. Soc. Beng. 74|2 (1907) 437.

Sarawak, *Haviland* 1689, 3044. Malay Peninsula, Java.

1. *Dyera borneensis* Baill. in Bull. Soc. Linn. Paris 1 (1898) 751.

Sarawak, *Beccari* 3570. Endemic.

2. *Dyera costulata* Hook. f. in Journ. Linn. Soc. Bot. 19 (1882) 293; Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 16; Winkler in Engl. Bot. Jahrb. 49 (1913) 372.

Dutch Borneo, *Van Romburgh*, *Winkler* 2391, 2435; Sarawak, *Sarawak Museum* 95! Malay Peninsula, Penang, Sumatra.

3. *Dyera lowii* Hook. f. in Journ. Linn. Soc. Bot. 19 (1882) 293; Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 15; Becc. *Nelle Foreste di Borneo* (1902) 580.

Sarawak, *Low*, *Beccari*, *Lobb*, *Foxworthy* 321!, *Sarawak Museum* 124!; Dutch Borneo, *Van Romburgh*. Endemic.

1. *Lochnera rosea* (Linn.) Reichb. Conspect. (1828) 134. *Vinca rosea* Linn. Syst. ed. 10 (1759) 944.

British North Borneo, *Clemens* 9726!, *Villamil* 117!, 118! Pantropic in cultivation and naturalized; a native of tropical America.

1. *Tabernaemontana divaricata* (Linn.) R. Br. ex R. & S. Syst. 4 (1819) 427.

British North Borneo, *Clemens* 9651!, *Foxworthy* 592!, cultivated. India to the Malay Peninsula; cultivated in other tropical countries.

2. *Tabernaemontana graciliflora* Wall. in Bot. Reg. sub t. 1273; Boerl. Handl. Fl. Nederl. Ind. 2|2 (1899) 397

Borneo, fide *Boerlage* l.c. Burma.

3. *Tabernaemontana macrocarpa* Jack in Malay Miscel. 2|7 (1822) 80; Winkler in Engl. Bot. Jahrb. 49 (1913) 374. *Orchipeda sumatrana* Miq. Fl. Ind. Bat. Suppl. (1860-62) 553; Hallier f. in Bull. Herb. Boiss. 6 (1898) 615.

Dutch Borneo, *De Vriese*, *Winkler 2289a*, *Hallier*; Sarawak, *Native collector 2163!* *Bur. Sci.*, *Hose 227!*, *Brooks!*; British North Borneo, *Clemens 9809!* Sumatra.

4. ***Tabernaemontana orientalis*** R. Br. Prodr. (1810) 468. *Ervatamia orientalis* Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 110.

British North Borneo, *Gibbs 2800*. Timor to New Guinea and north-eastern Australia.

5. ***Tabernaemontana pauciflora*** Blume Bijdr. (1826) 1028; *Winkler* in Engl. Bot. Jahrb. 49 (1913) 374.

Dutch Borneo, *Winkler 3217*. Sumatra, Java.

1. ***Eucorymbia alba*** Stapf in Hook. Ic. IV 8 (1903) t. 2764. Sarawak, *Haviland 1572, 2300*. A monotypic endemic genus.

1. ***Alyxia lucida*** Wall. in Roxb. Fl. Ind. 2 (1824) 540; King & Gamble in Journ. As. Soc. Beng. 74|2 (1907) 417.

Sarawak, *Haviland 2176*, *Native collector 1260!*, *2675!* *Bur. Sci.*; British North Borneo, *Villamil 197!* *247 bis!*

Var. ***meiantha*** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 207.

British North Borneo, *Haviland 1185*, *Clemens 11039!* Malay Peninsula, Sumatra, Philippines.

2. ***Alyxia odorata*** Wall. Cat. (1829) No. 1606; Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 238.

Sarawak, *Native collector 857!* *Bur. Sci.* Tenasserim to Singapore.

3. ***Alyxia pachyphylla*** Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 237.

Sarawak, *Native collector 2224!* *Bur. Sci.*, *Foxworthy 215!* Endemic.

4. ***Alyxia pilosa*** Miq. Fl. Ind. Bat. 2 (1857-59) 408; King & Gamble in Journ. As. Soc. Beng. 74|2 (1907) 416.

Dutch Borneo, *Teysmann*; Sarawak, *Beccari 1685, 2121*, *Native collector 1933!* *Bur. Sci.*, *Foxworthy 430!* Malay Peninsula, Sumatra.

5. ***Alyxia* (?) *torulosa*** Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 12.

Dutch Borneo, *Van Romburgh*. Endemic.

1. ***Rauwolfia serpentina*** (Linn.) Benth. var. ***gracilis*** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 207.

British North Borneo, *Haviland 1346*. India to Java.

2. **Rauwolfia spectabilis** (Miq.) Boerl. Handl. Fl. Nederl. Ind. 2|2 (1899) 393; Bull. Inst. Bot. Buitenz. 5 (1900) 12. *Cyrtosiphonia spectabilis* Miq. Fl. Ind. Bat. 2 (1857-59) 402.

Dutch Borneo, *Van Romburgh*. Sumatra.

1. **Amblyocalyx beccarii** Benth. in Hook. Ic. III 2 (1876) 69, t. 1179.

Sarawak, *Beccari* 1628. A monotypic endemic genus.

1. **Kopsia fruticosa** (Ker) A. DC. Prodr. 8 (1844) 352; Boerl. Handl. Fl. Nederl. Ind. 2|2 (1899) 395.

Borneo, fide *Boerlage* l.c. Malay Peninsula, Java, Ceram. *Haviland* 3042 is near *K. macrophylla* King & Gamble fide King & Gamble in Journ. As. Soc. Beng. 74|2 (1907) 434.

1. **Cerbera manghas** Linn. Sp. Pl. (1753) 208. *Cerbera odollam* Gaertn. Fruct. 2 (1791) 193, t. 124; Winkler in Engl. Bot. Jahrb. 49 (1913) 375.

Dutch Borneo, *Winkler* 3433; British North Borneo, *Villamil* 109!; *Clemens* 9455!; Sarawak, *Hose* 57!, 621!, *Foxworthy* 106!, *Native collector* 242!, 1652!, 1261!, 1802! 2161! *Bur. Sci.* Along the seashore, tropical Asia to Polynesia.

1. **Parameria barbata** (Blume) K. Schum. in Engl. & Prantl Nat. Pflanzenfam. 4|2 (1895) 162. *Parameria glandulifera* Benth. var. *philippinensis* (Radlk.) Stapf in Trans. Linn. Soc. Bot. 4 (1894) 207.

Sarawak, *Haviland* 1993, 2056, *Motley* 776, *Native collector* 2883! *Bur. Sci.*; British North Borneo, *Haviland* 1359, *Clemens* 10430!, 10199!, 9980!, 9926! Burma through Malaya to the Philippines and the Moluccas.

2. **Parameria polyneura** Hook. f. Fl. Brit. Ind. 3 (1882) 660; King & Gamble in Journ. As. Soc. Beng. 74|2 (1907) 479.

Sarawak, *Haviland* 1598, 1796, *Native collector* 1700! *Bur. Sci.*; British North Borneo, *Fraser* 255. Burma, Malay Peninsula, Sumatra.

1. **Ecdysanthera rubescens** (T. & B.) Boerl. Handl. Fl. Nederl. Ind. 2|2 (1899) 398. *Dendrocharis rubescens* T. & B. in Nat. Tijdschr. Nederl. Ind. 25 (1863) 403.

Borneo, *Teysmann*. Endemic.

1. **Urceola? acute-acuminata** Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 9.

Dutch Borneo, *Van Romburgh*.

Var. **polyneura** Boerl. l.c.

Dutch Borneo, *Van Romburgh*. Endemic.

2. *Urceola brachysepala* Hook. f. var. *pilosa* Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 18.

Dutch Borneo, *Van Romburgh*. Malay Peninsula.

3. *Urceola maingayi* Hook. f. Fl. Brit. Ind. 3 (1882) 658; King & Gamble in Journ. As. Soc. Beng. 74|2 (1907) 473; Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 17.

Dutch Borneo, *Van Romburgh*; Sumatra, *Haviland 1527, 1767, 3497*. Malay Peninsula, Sumatra.

4. *Urceola?* *pilosa* Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 19.

Dutch Borneo, *Van Romburgh*. Endemic.

1. *Baissea?* *borneensis* Boerl. in Bull. Inst. Bot. Buitenz. 5 (1900) 20.

Dutch Borneo, *Van Romburgh*.

Var. *crassifolia* Boerl. l.c.

Dutch Borneo, *Van Romburgh*. Endemic.

1. *Cleghornia borneensis* King & Gamble in Journ. As. Soc. Beng 74|2 (1907) 492.

Sarawak, *Haviland 2167*. Endemic.

1. *Anodendron candolleianum* Wight Ic. (1850) t. 1309; King & Gamble in Journ. As. Soc. Beng. 74|2 (1907) 487. *Anodendron rubescens* T. & B. Cat. Hort. Bogor. (1866) 127. Malay Peninsula.

2. *Anodendron coriaceum* (Blume) Miq. Fl. Ind. Bat. 2 (1857-59) 455. *Echites coriacea* Blume Bijdr. (1826) 1039.

Dutch Borneo, *Korthals*. Java.

1. *Trachelospermum borneanum* (Miq.) Boerl. Handl. Fl. Nederl. Ind. 2|2 (1899) 400. *Farachites borneana* Miq. in Versl. Mededel. Konig. Akad. Wet. 6 (1857) 193, Fl. Ind. Bat. 2 (1857-59) 456.

Dutch Borneo, *Korthals*. Endemic.

1. *Kickxia borneensis* Stapf in Hook. Ic. IV 7 (1900) t. 2693; Kew Bull. (1905) 53.

Borneo, *Lobb*. Endemic.

1. *Epigynum forbesii* King & Gamble in Journ. As. Soc. Beng. 74|2 (1907) 503.

Sarawak, *Haviland 3048?* Malay Peninsula.

1. *Ichnocarpus ovatifolius* A. DC. Prodr. 8 (1844) 435; King & Gamble in Journ. As. Soc. Beng. 74|2 (1907) 494.

Borneo, fide King & Gamble l.c.; Sarawak, *Hose 131!* India, through Malaya to the Philippines and Celebes.

1. *Nerium indicum* Mill. Gard. Dict. ed. 8 (1768) No. 2. *Nerium odorum* Soland. in Ait. Hort. Kew 1 (1789) 297.

British North Borneo, *Villamil 120!* Pantropic in cultivation.

1. *Strophanthus singaporianus* (Wall.) Gilg in Engl. Monog. 11 (1903) ex King & Gamble in Journ. As. Soc. Beng. 74|2 (1907) 471. *Strophanthus brevicaudatus* Wight Ic. (1850) t. 1302.

Sarawak, *Beccari 797, Haviland 1770, Motley.* Malay Peninsula.

The African *S. gratus* Baill. is cultivated in Sandakan for ornamental purposes, *Foxworthy 609!*, *Clemens 9500!*

1. *Parsonsia cumingiana* A. DC. Prodr. 8 (1844) 402.

Sarawak, *Foxworthy 270!* Philippines; possibly not specifically distinct from the next species.

2. *Parsonsia spiralis* Wall. Cat. (1829) No. 1631; Winkler in Engl. Bot. Jahrb. 49 (1913) 375; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 110. *Heligme korthalsiana* Miq. Fl. Ind. Bat. Suppl. (1860-62) 429.

Sarawak, *Haviland & Hose 1813*; Dutch Borneo, *Winkler 2628*; British North Borneo, *Gibbs 2896.* India to New Guinea.

1. *Vallisneria spiralis* (Linn.) O. Kuntze Rev. Gen. Pl. (1891) 417. *Pergularia glabra* Linn. Mant. 1 (1767) 53. *Vallisneria pergularana* Burm. f. Fl. Ind. (1768) 51.

Borneo, cult. *Hort. Bogor. X. C. 88!* India to Malaya.

2. *Vallisneria* sp. aff. *maingayi* Hook. f.; King & Gamble in Journ. As. Soc. Beng. 74|2 (1907) 461.

Sarawak, *Haviland 3050.* *Vallisneria maingayi* Hook. f. occurs in the Malay Peninsula.

Asclepiadaceae.

1. *Gymnanthera nitida* R. Br. Prodr. (1810) 464; Hemsl. in Hook. Ic. III 6 (1886) t. 1545.

British North Borneo, *Fraser.* Australia.

1. *Astrostemma spartioides* Benth. in Hook. Ic. III 4 (1880) 17, t. 1311. *Absolmsia spartioides* O. Kuntze Rev. Gen. Pl. (1891) 417.

Dutch Borneo, *Motley*; British North Borneo, *Burbidge.* A monotypic endemic genus.

1. **Asclepias curassavica** Linn. Sp. Pl. (1753) 215.
British North Borneo, *Topping 1401!*, *Clemens 9618!*, *9895!*
Pantropic; of American origin.
1. **Ceropegia borneensis** Merr. in Philip. Journ. Sci. **13**
(1918) Bot. 120.
British North Borneo, *Clemens 9810!*, *Topping 1490!* Endemic.
1. **Toxocarpus borneensis** Schltr. in Engl. Bot. Jahrb. **40**
(1908) Beibl. **92**: 1.
Dutch Borneo, *Schlechter 13378*. Endemic.
1. **Gymnema lactiferum** R. Br. Mém. Wern. Soc. **1** (1808)
33; King & Gamble in Journ. As. Soc. Beng. **74**|**2** (1907) 539.
Borneo, *Motley 283*. Malay Peninsula, Sumatra.
2. **Gymnema nitens** Blume Mus. Bot. Lugd.-Bat. **1** (1850)
149; Walp. Ann. **3** (1852) 62; Miq. Fl. Ind. Bat. **2** (1857-58) 498.
Dutch Borneo, *Korthals*. Sumatra.
3. **Gymnema syringaefolium** (Dcne.) Boerl. Handl. Fl.
Nederl. Ind. **2**|**2** (1899) 437. *Bidara syringaefolia* Dcne. in DC.
Prodr. **8** (1844) 623.
Borneo, fide *Boerlage* l.c. Java, Timor, Moluccas.
1. **Sarcolobus beccarii** Warb. in Fedde Repert. **3** (1907)
308.
Sarawak, *Beccari 699*. Endemic.
2. **Sarcolobus globosus** Wall. in Asiat. Researches **12** (1816)
568, t. 4; Boerl. Handl. Fl. Nederl. Ind. **2**|**2** (1899) 437.
Borneo, fide *Boerlage* l.c.; Sarawak, *Haviland*. India to the
Malay Peninsula, Sumatra and Java.
1. **Tylophora globifera** Hook. f. Fl. Brit. Ind. **4** (1883) 41;
King & Gamble in Journ. As. Soc. Beng. **74**|**2** (1907) 552.
Borneo, fide *King & Gamble* l.c. Malay Peninsula, Andaman
Islands.
2. **Tylophora havilandii** Schltr. in Fedde Repert. **3** (1907)
313.
Sarawak, *Haviland*. Endemic.
3. **Tylophora labuanensis** Schltr. in Engl. Bot. Jahrb. **40**
(1908) Beibl. **92**: 2.
Labuan, *Schlechter 13231*. Endemic.
4. **Tylophora perakensis** King & Gamble in Journ. As. Soc.
Beng. **74**|**2** (1907) 555.
Dutch Borneo, *Teysmann 11578*, *Motley 625*. Malay Peninsula.

5. **Tylophora psyplocarpa** Schltr. in Engl. Bot. Jahrb. 40 (1908) Beibl. 92: 3.

Dutch Borneo, *Schlechter 13358*. Endemic.

6. **Tylophora tenuis** Blume Bijdr. (1826) 1062; King & Gamble in Journ. As. Soc. Beng. 74|2 (1907) 552.

Sarawak, *Haviland 3060*. India to Burma, Malay Peninsula, and Java.

7. **Tylophora wallichii** Hook. f. Fl. Brit. Ind. 4 (1883) 45; Boerl. Handl. Fl. Nederl. Ind. 2|2 (1899) 438.

Borneo, fide *Boerlage* l.c. Malay Peninsula.

"*Tylophora cacumba* Willd." credited to Borneo by Boerlage, Handl. Fl. Nederl. Ind. 2|2 (1899) 438, I cannot locate; of the synonyms cited *Cynanchum indicum* Burm. f. is supposed to be *Leptadenia reticulata* Wight, and *Hoya planiflora* Wall. is a synonym of *Tylophora asthmatica* W. & A.

1. **Stephanotis suaveolens** (Blume) K. Schum. in Engl. & Prantl Nat. Pflanzenfam. 4|2 (1895) 288; Boerl. Handl. Fl. Nederl. Ind. 2|2 (1899) 438. *Jasminanthes suaveolens* Blume Mus. Bot. Lugd.-Bat. 1 (1849) 149, f. 27; Miq. Fl. Ind. Bat. 2 (1857-59) 500.

Dutch Borneo, *Korthals*. Endemic.

1. **Gongronema wallichii** Dcne. in DC. Prodr. 8 (1844) 624; King & Gamble in Journ. As. Soc. Beng. 74|2 (1907) 542.

Sarawak, *Haviland 3503*. Malay Peninsula.

1. **Oistonema dischidioides** Schltr. in Engl. Bot. Jahrb. 40 (1908) Beibl. 92: 12, f. 1.

Dutch Borneo, *Schlechter 13517*. A monotypic endemic genus.

1. **Dischidia antennifera** Becc. Malesia 2 (1886) 270, t. 68, f. 8-12.

Sarawak, *Beccari 581*. Endemic.

2. **Dischidia asperifolia** Schltr. in Engl. Bot. Jahrb. 40 (1908) Beibl. 92: 7.

Borneo, *Schlechter 13489*. Endemic.

3. **Dischidia benghalensis** Colebr. in Trans. Linn. Soc. 12 (1817) 357, t. 15; King & Gamble in Journ. As. Soc. Beng. 74|2 (1907) 586.

Borneo, fide *King & Gamble* l.c. India, Malay Peninsula, Java.

4. **Dischidia borneensis** Becc. Malesia 2 (1886) 262, t. 57, f. 7-12.

Sarawak, *Beccari* 793.

Var. ***pilosa*** Becc. l.c.

Sarawak, *Beccari*. Endemic.

5. ***Dischidia ericaeflora*** Becc. Malesia 2 (1886) 266, t. 63, f. 18-30.

Sarawak, *Beccari* 405. Endemic.

6. ***Dischidia hirsuta*** (Blume) Dcne. in DC. Prodr. 8 (1844) 632; Becc. Malesia 2 (1886) 260.

Sarawak, *Beccari* 60, 1247, *Native collector* 1272! *Bur. Sci.* Burma, Malay Peninsula, Java, Philippines, in mangrove forests.

7. ***Dischidia kutcinensis*** Becc. Malesia 2 (1886) 266, t. 53, f. 5-7.

Sarawak, *Beccari* 407. Endemic.

8. ***Dischidia microphylla*** Schltr. in Engl. Bot. Jahrb. 40 (1908) Beibl. 92: 10.

Dutch Borneo, *Schlechter* 13327. Endemic.

9. ***Dischidia nummularia*** R. Br. Prodr. (1810) 461 var. ***gaudichaudii*** (Dcne.) Becc. Malesia 2 (1886) 261, 268.

Borneo, fide *Beccari* l.c. Malay Peninsula to the Moluccas.

10. ***Dischidia peltata*** Blume Mus. Bot. Lugd.-Bat. 1 (1849) 148; Miq. Fl. Ind. Bat. 2 (1857-59) 507.

Borneo, fide *Miquel* l.c. Amboina, New Guinea.

11. ***Dischidia rafflesiana*** Wall. Pl. As. Rar. 2 (1831) 35, t. 142; Becc. Malesia 2 (1886) 263; King & Gamble in Journ. As. Soc. Beng. 74|2 (1907) 585.

Borneo, fide *King & Gamble* l.c. India, through Malaya to tropical Australia.

12. ***Dischidia roseo-flavida*** Schltr. in Engl. Bot. Jahrb. 40 (1908) 92: 10.

Borneo, *Schlechter* 13512. Endemic.

13. ***Dischidia shelfordii*** Pearson in Ann. Bot. 17 (1903) 617.

Sarawak, *Shelford, Haviland* 2015. Endemic.

14. ***Dischidia squamulosa*** Becc. Malesia 2 (1886) 266, t. 63, f. 13-17.

Sarawak, *Beccari* 49. Endemic.

1. ***Conchophyllum imbricatum*** Blume Bijdr. (1826) 1061; Becc. Malesia 2 (1886) 258, t. 60, f. 1-7. *Dischidia collyris* Boerl. Handl. Fl. Nederl. Ind. 2|2 (1899) 442, non Wall.

Dutch Borneo, *Teysmann*. Celebes, Java, Amboina.

1. ***Hoya aeschynanthoides*** Schltr. in Engl. Bot. Jahrb. 40 (1908) Beibl. 92: 13.

Dutch Borneo, *Schlechter* 13550. Endemic.

2. ***Hoya campanulata*** Blume Bijdr. (1826) 1064; King & Gamble in Journ. As. Soc. Beng. 74|2 (1907) 578.

Sarawak, *Haviland* 1971. Malay Peninsula, Sumatra, Java.

3. ***Hoya coriacea*** Blume Bijdr. (1826) 1063; King & Gamble in Journ. As. Soc. Beng. 74|2 (1907) 573.

Borneo, *Motley* 1121, *Beccari* 3926. Malay Peninsula, Java.

4. ***Hoya coronaria*** Blume Bijdr. (1826) 1063; King & Gamble in Journ. As. Soc. Beng. 74|2 (1907) 566; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 110; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 208.

Dutch Borneo, *Motley* 871; British North Borneo, *Gibbs* 3002, *Burbridge*. Malay Peninsula and Sumatra to New Guinea.

5. ***Hoya glabra*** Schltr. in Engl. Bot. Jahrb. 40 (1908) Beibl. 92: 14.

Borneo, *Schlechter* 13458. Endemic.

6. ***Hoya lacunosa*** Blume Bijdr. (1826) 1063; King & Gamble in Journ. As. Soc. Beng. 74|2 (1907) 569.

Borneo, fide *King & Gamble* l.c. Malay Peninsula, Sumatra, Java, Celebes.

7. ***Hoya lasiantha*** Korth. ex Miq. Fl. Ind. Bat. 2 (1857-59) 526; King & Gamble in Journ. As. Soc. Beng. 74|2 (1907) 562. *Plocostemma lasianthum* Blume Mus. Bot. Lugd.-Bat. 1 (1849) 60, f. 14.

Dutch Borneo, *Korthals*. Malay Peninsula, Java.

8. ***Hoya sussuela*** (Roxb.) Merr. Interpret. Herb. Amb. (1917) 438. *Hoya corona-ariadnes* Blume Rumphia 4 (1848) 31, t. 183, 185, Mus. Bot. Lugd.-Bat. 1 (1849) 43. *Hoya ariadna* Dcne. in DC. Prodr. 8 (1844) 635; Miq. Fl. Ind. Bat. 2 (1857-59) 516. *Hoya imperialis* Lindl. in Bot. Reg. (1846) sub. t. 68; Curtis's Bot. Mag. (1848) t. 4397; Miq. Fl. Ind. Bat. 2 (1857-59) 527; King & Gamble in Journ. As. Soc. Beng. 74|2 (1907) 564.

Borneo, fide *Blume* l.c., *Motley* 1041, *Beccari* 4001. Malay Peninsula, Celebes, Moluccas.

1. ***Anatropanthus borneensis*** Schltr. in Engl. Bot. Jahrb. 40 (1908) Beibl. 92: 18, f. 2.

Borneo, *Schlechter* 13483. A monotypic endemic genus.

1. **Centrostemma elegans** Blume Mus. Bot. Lugd.-Bat. 1 (1849) 46; Walp. Ann. 3 (1852) 63. *Cyrtoceras elegans* Miq. Fl. Ind. Bat. 2 (1857-59) 515. *Hoya elegans* Boerl. Handl. Fl. Nederl. Ind. 2|2 (1899) 440, non Kostel.

Borneo, *Henrici*. Endemic.

2. **Centrostemma multiflorum** (Blume) Dcne. in Ann. Sci. Nat. II 9 (1838) 272; Hook. f. in Curtis's Bot. Mag. III 16 (1860) t. 5173. *Hoya multiflora* Blume Cat. Gew. Buitenz. (1823) 49.

Borneo, fide *Hooker* l.c. Burma to Malaya and the Philippines.

1. **Marsdenia sultanis** Schltr. in Engl. Bot. Jahrb. 40 (1908) Beibl. 92: 16.

Dutch Borneo, *Schlechter*. Endemic.

2. **Marsdenia tinctoria** R. Br. in Mém. Wern. Soc. 1 (1808) 30; Miq. Fl. Ind. Bat. 2 (1857-59) 491.

Borneo, fide *Miquel* l.c. India to southern China southward to Malaya and the Philippines.

Convolvulaceae.

1. **Bonamia semidigyna** (Roxb.) Hallier f. in Engl. Bot. Jahrb. 16 (1893) 528, 18 (1894) 90. *Convolvulus semidigynus* Roxb. Fl. Ind. 2 (1824) 47.

Sarawak, *Hose 27!* Tropical Asia to the Mascarene Islands, through Malaya to Celebes and the Philippines.

1. **Neuropeltis racemosa** Wall. Cat. (1829) No. 1322; Prain ex King & Gamble in Journ. As. Soc. Beng. 74|2 (1905) 297.

Borneo, fide *Prain* l.c. India, Malay Peninsula.

1. **Porania volubilis** Burm. f. Fl. Ind. (1768) 51, t. 21, f. 1.

British North Borneo, *Foxworthy 591!*, *Clemens 9533!*, cultivated. Indo-China to Malaya and the Philippines

1. **Erycibe glomerata** Blume Bijdr. (1826) 1047, var. **longifolia** (Blume) Hallier f. in Bull. Herb. Boiss. 5 (1897) 739; Boerl. Handl. Fl. Nederl. Ind. 2|2 (1899) 508; Prain ex King & Gamble in Journ. As. Soc. Beng. 74|2 (1905) 294. *Erycibe angustifolia* Hallier f. in Engl. Bot. Jahrb. 16 (1893) 524. *Erycibe longifolia* Becc. Nelle Foreste di Borneo (1902) 524, f. 65, 7?

Borneo, *Hallier*; Sarawak, *Beccari 3832*. Malay Peninsula, Java.

2. **Erycibe hirsuta** Hallier f. ex Winkler in Engl. Bot. Jahrb. 49 (1913) 376.

Dutch Borneo, *Winkler 3337*. Endemic.

3. **Erycibe princei** Wall. Cat. (1828) No. 1335; Prain ex King & Gamble in Journ. As. Soc. Beng. 74|2 (1905) 290; Hallier f. in Engl. Bot. Jahrb. 49 (1913) 376, Bull. Herb. Boiss. 5 (1897) 737.

Sarawak, *Beccari 2222, Haviland 3056*; British North Borneo, *Creagh*; Dutch Borneo, *Korthals, Winkler 3406*. Malay Peninsula, Sumatra, Banca, Philippines.

1. **Jacquemontia tomentella** (Miq.) Hallier f. in Verslag Lands Plant. Buitenz. 1895 (1896) 126; Winkler in Engl. Bot. Jahrb. 49 (1913) 377; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 113. *Lettsomia tomentella* Miq. Fl. Ind. Bat. Suppl. (1860-62) 560.

Dutch Borneo, *Teysmann 1149, De Vriese*; Sarawak, *Beccari 2761, 3053, Haviland, Hose 525!*, Native collector 2774! *Bur. Sci.*; British North Borneo, *Gibbs 2717, Clemens 9848!*

Var. **mierantha** Hallier l.c.; Winkler l.c.

Sarawak, *Haviland, Haviland & Hose 3519*; Dutch Borneo, *Hallier 2256, 2570, Winkler 2982*. Sumatra.

1. **Aniseia martinicensis** (Jacq.) Choisy Convolv. Rar. (1838) 144; Hallier f. in Bull. Herb. Boiss. 5 (1897) 382. *Convolvulus martinicensis* Jacq. Select. Strip. Am. (1863) 20, t. 17.

Dutch Borneo, *Hallier*. Pantropic.

1. **Merremia gemella** (Burm. f.) Hallier f. in Engl. Bot. Jahrb. 16 (1893) 552; Winkler in Engl. Bot. Jahrb. 49 (1913) 378.

Dutch Borneo, *Korthals, Schlechter 13399*; Sarawak, *Hose 274!*; British North Borneo, *Clemens 11244!* India to Malaya.

2. **Merremia hastata** (Desr.) Hallier f. in Engl. Bot. Jahrb. 16 (1893) 552, Bull. Herb. Boiss. 5 (1897) 381.

Borneo, fide *Hallier* l.c.; British North Borneo, *Topping 1482!* Tropical Africa and Asia to tropical Australia.

3. **Merremia hederacea** (Burm. f.) Hallier f. in Engl. Bot. Jahrb. 18 (1894) 118; Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 112.

British North Borneo, *Topping 1944!* Tropical Africa and Asia to tropical Australia.

4. **Merremia hirta** (Linn.) Merr. in Philip. Journ. Sci. 7 (1912) Bot. 244. *Convolvulus hirtus* Linn. Sp. Pl. (1753) 159.

Merremia caespitosa Hallier f. in Engl. Bot. Jahrb. 16 (1893) 552; Winkler in Engl. Bot. Jahrb. 49 (1913) 378. *Ipomoea linifolia* Blume Bijdr. (1825) 721.

Dutch Borneo, *Winkler 2275*; Labuan, *Merrill!*; British North Borneo, *Topping 1481!*; Sarawak, *Native collector 1975!* *Bur. Sci.* India to southern China through Malaya to Australia.

5. *Merremia nymphaeifolia* (Blume) Hallier f. in Verslag Lands Plant. 1895 (1896) 1274, Bull. Herb. Boiss. 5 (1897) 381; Winkler in Engl. Bot. Jahrb. 49 (1913) 379.

Sarawak, *Beccari 665*, *Hose 221!*, *Native collector 1086!*, *1415!* *Bur. Sci.*; British North Borneo, *Creagh, Clemens 11170!*; Dutch Borneo, *Korthals, Winkler 3383*. Malay Archipelago and the Philippines.

6. *Merremia umbellata* (Linn.) Hallier f. in Engl. Bot. Jahrb. 16 (1893) 552, var. *orientalis* Hallier f. in Verslag Lands Plant. Buitenz. 1895 (1896) 132; Bull. Herb. Boiss. 5 (1897) 381; Winkler in Engl. Bot. Jahrb. 49 (1913) 379. *Ipomoea cymosa* R. & S.; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 113.

Dutch Borneo, *Hallier 930*, *Schlechter 13529*, *Winkler 3381*; British North Borneo, *Gibbs 2840*; Sarawak, *Hose 219!*, *Native collector 1416!* *Bur. Sci.* Pantropic.

7. *Merremia vitifolia* (Burm. f.) Hallier f. in Engl. Bot. Jahrb. 16 (1893) 552, Bull. Herb. Boiss. 5 (1897) 379.

Dutch Borneo, *Hallier*. Southern Asia and Malaya.

1. *Lepistemon binectariferum* (Wall.) O. Kuntze Rev. Gen. Pl. (1891) 446. *Lepistemon flavescens* Blume Bijdr. (1825) 722; Winkler in Engl. Bot. Jahrb. 49 (1913) 380; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 112.

Dutch Borneo, *Korthals, Winkler 2192*, *3117*; British North Borneo, *Gibbs 2624*, *Clemens 11179!* India to Malaya and the Philippines.

1. *Ipomoea batatas* (Linn.) Poir. in Lam. Encycl. 6 (1804) 14; Hallier f. in Bull. Herb. Boiss. 5 (1897) 380; Becc. Nelle Foreste di Borneo (1902) 596.

The sweet potato, cultivated in Borneo as it is in all tropical countries; a native of tropical America.

2. *Ipomoea gracilis* R. Br. Prodr. (1810) 484. *Ipomoea denticulata* Choisy in Mém. Soc. Phys. Genève 6 (1833) 447; Hallier f. in Bull. Herb. Boiss. 5 (1897) 380. *Ipomoea littoralis* Blume Bijdr. (1825) 713.

Borneo, fide *Hallier l.c.*; Sarawak, *Native collector 1627!*, *2282!* *Bur. Sci.* Along the seashore, India to the Seychelles, Malaya and Polynesia.

3. *Ipomoea lilacina* Blume Bijdr. (1825) 716; Hallier f. in Bull. Herb. Boiss. 5 (1897) 380; Boerl. Handl. Fl. Nederl. Ind. 2/2 (1899) 512.

Borneo, (Lombok Utan Island) fide *Hallier* l.c. Java, Philippines.

4. *Ipomoea paniculata* (Linn.) R. Br. Prodr. (1810) 486; Hallier f. in Bull. Herb. Boiss. 5 (1897) 379, Meded. Rijks Herb. 1910 (1911) 91.

Borneo, fide *Hallier* l.c. Pantropic.

5. *Ipomoea pes-caprae* (Linn.) Roth Nov. Sp. Pl. (1821) 109; Hallier f. in Bull. Herb. Boiss. 5 (1897) 381.

Sarawak, *Hose* 617!, *Native collector* 2198! *Bur. Sci.* Pantropic along the seashore.

6. *Ipomoea reptans* (Linn.) Poir. in Lam. Encycl. Suppl. 3 (1813) 460; Hallier f. in Bull. Herb. Boiss. 5 (1897) 380.

Dutch Borneo, fide *Hallier* l.c. Tropics of the Old World.

7. *Ipomoea triloba* Linn. Sp. Pl. (1753) 161; Hallier f. in Bull. Herb. Boiss. 5 (1897) 1041.

Borneo, fide *Hallier* l.c. A native of tropical America, an introduced plant in the Philippines where it is now very common, occurring also in a few other parts of the Malay Archipelago.

1. *Quamoclit pennata* (Desr.) Bojer Hort. Maurit. (1837) 224; Hallier f. in Bull. Herb. Boiss. 5 (1897) 379; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 113.

Dutch Borneo, *Hallier*; British North Borneo, *Gibbs* 2981. Pantropic, a native of tropical America.

1. *Stictocardia campanulata* (Linn.) Merr. in Philip. Journ. Sci. 9 (1914) Bot. 133. *Ipomoea campanulata* Linn. Sp. Pl. (1753) 160. *Stictocardia tiliaefolia* Hallier f. in Engl. Bot. Jahrb. 18 (1893) 159.

Sarawak, *Native collector* 2348! *Bur. Sci.* India to Malaya, introduced in other tropical countries.

No representative of the *Hydrophyllaceae* is reported from Borneo; *Hydrolea zeylanica* Vahl doubtless occurs in the Island, as it is generally distributed in the Indo-Malayan region.

Boraginaceae.

1. *Pteleocarpa longistyla* Becc. Malesia 1 (1877) 130, t. 8. Sarawak, *Beccari* 1611. Endemic.

The Bornean specimens referred by Oliver to *P. malaccensis* Oliv. in Trans. Linn. Soc. 28 (1873) 515, probably appertain to *Beccari*'s species.

1. **Lithospermum borneense** (Stapf) Boerl. Handl. Fl. Nederl. Ind. 22 (1899) 488. *Havilandia borneensis* Stapf. in Trans. Linn. Bot. 4, (1894) 209, t. 16, f. A, 1-9.

British North Borneo, *Haviland 1059, Low, Topping 1691!, Clemens 10570!* Endemic.

1. **Heliotropium indicum** Linn. Sp. Pl. (1753) 130.

British North Borneo, *Clemens 11251!*; Sarawak, *Native collector 1049!* Bur. Sci. Pantropic.

Verbenaceae.

1. **Lantana camara** Linn. Sp. Pl. (1753) 627.

British North Borneo, *Clemens 9521!, Villamil 119!*; Sarawak, *Native collector 1645!, 1801!, 2472!* Bur. Sci. Pantropic; a native of tropical America.

1. **Lippia nodiflora** (Linn.) Richard in Michx. Fl. Bor. Am. 2 (1803) 15; Miq. Fl. Ind. Bat. 2 (1858) 905.

Dutch Borneo, *Korthals.* Pantropic.

1. **Stachytarpheta jamaicensis** (Linn.) Vahl Enum. 1 (1805) 206.

British North Borneo, *Villamil 137!, Clemens 9649!*; Sarawak, *Native collector 2275!* Bur. Sci. Pantropic; a native of tropical America.

1. **Geunsia farinosa** Blume Bijdr. (1826) 819; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 216; King & Gamble in Journ. As. Soc. Beng. 74|2 (1908) 800; H. J. Lam Verb. Malay. Archipel. (1919) 43. *Geunsia subalternata* Hallier f. in Meded. Rijks Herb. Leiden 37 (1918) 25.

Sarawak, *Beccari 786, Haviland 554, 3553, Motley 385, Hose 481!, Native collector 277!, 281!, 533!, 1082!, 1815!, 2528!, 2789!* Bur. Sci.; British North Borneo, *Haviland 1343.* Malay Peninsula and Sumatra to the Philippines and the Moluccas, and New Ireland.

2. **Geunsia homeophylla** Hallier f. in Meded. Rijks Herb. Leiden 37 (1918) 26; H. J. Lam Verb. Malay. Archipel. (1919) 44.

Dutch Borneo, *Hallier 348.* Endemic.

3. **Geunsia quaternifolia** Hallier f. op. cit. 24; H. J. Lam. op. cit. 41.

Dutch Borneo, *Amdjah 665.* Endemic.

4. **Geunsia serrulata** Hallier f. op. cit. 27; H. J. Lam. op. cit. 43. *Geunsia anisophylla* Hallier f. op. cit. 29.

Dutch Borneo, *Hallier 801, 1349, 1507, 2741.* Endemic.

1. *Callicarpa cana* Linn. Mant. 2 (1771) 198; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 122.

British North Borneo, *Gibbs 2669, Yates 25!*, *Clemens 9543!* Southern Asia to tropical Australia.

2. *Callicarpa havilandii* (King & Gamble) H. J. Lam Verb. Malay. Archipel. (1919) 53. *Geunsia havilandii* King & Gamble in Kew Bull. (1908) 105, Journ. As. Soc. Beng. 74|2 (1908) 801. ?*Geunsia beccariana* Briq. in Engl. & Prantl Nat. Pflanzenfam. 4|3 (1894) 165, *nomen nudum*.

Sarawak, *Beccari 3240, 2759, Hewitt, Haviland 889, 3549, Native collector 525! 2827!* *Bur. Sci. Endemic*.

3. *Callicarpa fulvohirsuta* Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 113.

British North Borneo, *Clemens 9846!* Endemic.

4. *Callicarpa japonica* Thunb. var. *rhombifolia* H. J. Lam Verb. Malay. Archipel. (1919) 85. *Callicarpa rhynchophylla* Miq. Fl. Ind. Bat. 2 (1858) 888.

Borneo, *Korthals*. The species in Japan.

5. *Callicarpa longifolia* Lam. Encycl. 1 (1785) 563; King & Gamble in Journ. As. Soc. Beng. 74|2 (1908) 807; H. J. Lam Verb. Malay. Archipel. (1919) 86 (incl. var. *subglabrata* Schauer and *floccosa* Schauer).

British North Borneo, *Villamil 144!, 217!, 330!*, *Clemens 10149!, 10125!*; Dutch Borneo, *Winkler 2142!*; Sarawak, *Hose 284! Native collector 273!, 281!, 521!, 1077!, 1371!, 1672!, 1884!* *Bur. Sci. Malay Peninsula and Archipelago*.

1. *Tectona grandis* Linn. f. Suppl. (1781) 151; Miq. Fl. Ind. Bat. 2 (1858) 901; H. J. Lam Verb. Malay Archipel. (1919) 95.

Borneo, *Korthals*. Tropical Asia and Malaya, often planted; teak.

1. *Teysmanniodendron bogoriense* Koord. in Ann. Jard. Bot. Buitenz. 19 (1904) 19; H. J. Lam Verb. Malay. Archipel. (1919) 97.

Dutch Borneo, *Hallier*. A monotypic genus originally described from specimens cultivated at Buitenzorg, Java.

1. *Premna borneensis* H. J. Lam Verb. Malay. Archipel. (1919) 117.

Sarawak, *Hose 3394*. Endemic.

2. *Premna cauliflora* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 215; H. J. Lam Verb. Malay Archipel. (1919) 124.

British North Borneo, *Haviland* 1301, 1305, *Clemens* 9959! Endemic.

3. *Premna cyclophylla* Miq. Fl. Ind. Bat. 2 (1857-59) 899. *Premna integrifolia* Linn. (*P. foetida* Reinw.)

British North Borneo, *Villamil* 283!, *Clemens* 9693!; Sarawak, *Hose* 669!, *Foxworthy* 356!, *Native collector* 2195! *Bur. Sci.* Widely distributed in the Indo-Malayan region on sandy sea-shores. I cannot agree with H. J. Lam's reduction of this to *Premna integrifolia* Linn. (*P. foetida* Reinw.)

4. *Premna foetida* Reinw. ex Blume Bijdr. (1826) 876; Miq. Fl. Ind. Bat. 2 (1859) 891; King & Gamble in Journ. As. Soc. Beng. 74|2 (1908) 814.

Dutch Borneo, *Korthals*; Sarawak, *Haviland* & *Hose* 3394, *Native collector* 274!, 1081!, 1800! *Bur. Sci.* Malay Peninsula, Java, Moluccas. H. J. Lam, Verb. Malay. Archipel. (1919) 140, reduces this to *Premna integrifolia* Linn.

5. *Premna macrophylla* H. J. Lam Verb. Malay. Archipel. (1919) 148.

Dutch Borneo, *Korthals*. Java, Sumatra.

6. *Premna oblongata* Miq. var. *subglabra* H. J. Lam Verb. Malay. Archip. (1919) 127.

Dutch Borneo, *Korthals*. Java, ? Philippines.

7. *Premna oblongifolia* Merr. in Govt. Lab. Publ. (Philip.) 19 (1905) 118; H. J. Lam Verb. Malay. Archipel. (1919) 129.

Dutch Borneo, *Hutsz* 841. Luzon.

8. *Premna ruttenii* H. J. Lam Verb. Malay. Archipel. (1919) 114.

Dutch Borneo, *Rutten* 621. Endemic.

9. *Premna trichostoma* Miq. Fl. Ind. Bat. 2 (1859) 892; King & Gamble in Journ. As. Soc. Beng. 74|2 (1908) 816; H. J. Lam Verb. Malay. Archipel. (1919) 128.

Sarawak, *Haviland*. Malay Peninsula, Java.

1. *Vitex clarkeana* King & Gamble in Journ. As. Soc. Beng. 74|2 (1908) 845; H. J. Lam Verb. Malay. Archipel. (1919) 178. *Vitex simplicifolia* Clarke in Hook. f. Fl. Brit. Ind. 4 (1885) 586; Baker in Kew Bull. (1896) 26, non Oliver.

Sarawak, *Beccari* 166, *Lobb*, *Haviland* 1580, *Motley* 1269. Malay Peninsula.

2. *Vitex flabellifolia* Hall. f. in Meded. Rijks Herb. Leiden 37 (1917) 50; H. J. Lam Verb. Malay. Archipel. (1919) 198. Dutch Borneo, *Jaheri* 1539. Endemic.

3. *Vitex gamosepala* Griff. Notul. 4 (1851) 178; H. J. Lam Verb. Malay. Archipel. (1919) 209. Dutch Borneo, *Winkler* 2433 (var. *kunstleri* King & Gamble). Malay Peninsula, Sumatra.

4. *Vitex holophylla* Baker in Kew Bull. (1896) 25; King & Gamble in Journ. As. Soc. Beng. 74|2 (1908) 844; H. J. Lam Verb. Malay. Archipel. (1919) 176.

British North Borneo, *Creagh*, *Low*, *Villamil* 155!; Sarawak, *Beccari* 1111, *Hose* 111!, 331!, *Native collector* 737! *Bur. Sci.* Malay Peninsula.

5. *Vitex hollrungii* K. Schum. in Engl. Bot. Jahrb. 18 (1894) 208; Hall. f. in Meded. Rijks Herb. Leiden 37 (1918) 51.

Dutch Borneo, *Korthals*, *Teysmann* 11429. Buru, New Guinea.

6. *Vitex negundo* Linn. Sp. Pl. (1753) 638; H. J. Lam Verb. Malay. Archipel. (1919) 189.

Sarawak, *Native collector* 738!, 1374! *Bur. Sci.* Tropical Asia to Malaya.

7. *Vitex pubescens* Vahl Symb. 3 (1794) 85; Miq. Fl. Ind. Bat. 2 (1859) 861; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 123; H. J. Lam Verb. Malay. Archipel. (1919) 183.

British North Borneo, *Gibbs* 3132, 3012, *Baker*!, *Villamil* 115!, 340! *Yates* 45!, 80!, *Clemens* 9645!, 11139!, Sarawak, *Hose* 223!, 684!, *Foxworthy* 11!, *Native collector* 452!, 519! 523!, 1666!, 1838! 1883!, 2191! *Bur. Sci.* India to Malaya and the Philippines.

8. *Vitex sarawakana* Pearson in Kew Bull. (1907) 60; H. J. Lam Verb. Malay. Archipel. (1919) 175.

Sarawak, *Beccari* 2280, 2506, 2851. Endemic.

9. *Vitex secundiflora* Hall. f. in Meded. Rijks Herb. Leiden 37 (1917) 49; H. J. Lam Verb. Malay. Archipel. (1919) 198.

Dutch Borneo, *Korthals*. Endemic.

10. *Vitex smilacifolia* Pearson in Kew Bull. (1907) 59; H. J. Lam Verb. Malay. Archipel. (1919) 175.

Sarawak, *Beccari* 1097, 1137, *Native collector* 1830!, 1910! *Bur. Sci.*; Dutch Borneo, *Hallier* 219. Endemic.

11. *Vitex subspicata* Hall. f. in Meded. Rijks Herb. Leiden 37 (1917) 52; H. J. Lam Verb. Malay. Archipel. (1919) 117.

Dutch Borneo, *Korthals*, *Hallier* 1064, 1122. Endemic.

12. *Vitex tetragona* Hall. f. op. cit. 53; H. J. Lam op. cit. 202.

Dutch Borneo, *Amdjah* 955. Endemic.

13. *Vitex trifolia* Linn. Sp. Pl. (1753) 638; H. J. Lam Verb. Malay Archipel. (1919) 180.

British North Borneo, *Villamil* 284!; Sarawak, *Foxworthy* 269!, *Native collector* 278!, 1078!, 2211! *Bur. Sci.*

Var. *ovata* (Thunb.) *Vitex ovata* Thunb. Fl. Jap. (1794) 257; *Vitex trifolia* Linn. var. *unifoliolata* Schauer in DC. Prodr. 11 (1857) 683.

Sarawak, *Hose* 267! India to Japan southward to Australia, the variety only on sandy seashores.

14. *Vitex vestita* Wall. Cat. (1829) No. 1750; Boerl. Handl. Fl. Nederl. Ind. 2|2 (1899) 586; H. J. Lam Verb. Malay Archipel. (1919) 205.

Sarawak, *Beccari* 1633; British North Borneo, *Clemens* 9813!, 11172! Burma to Malaya.

1. *Gmelina asiatica* Linn. Sp. Pl. (1753) 626; Miq. Fl. Ind. Bat. 2 (1859) 866; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 123; H. J. Lam Verb. Malay Archipel. (1919) 221.

Dutch Borneo, *Korthals*, *Hallier* 184; British North Borneo, *Gibbs* 2719. India to the Malay Peninsula and Java.

2. *Gmelina uniflora* Stapf in Hook. Ic. IV 4 (1895) t. 2391; H. J. Lam Verb. Malay Archipel. (1919) 217.

Dutch Borneo, *Motley* 1204; Sarawak, *Haviland* 919? Endemic.

3. *Gmelina villosa* Roxb. Fl. Ind. ed. 2, 3 (1832) 86; H. J. Lam Verb. Malay Archipel. (1919) 217.

British North Borneo, *Yates* 30!, *Villamil* 315!; Dutch Borneo, *Winkler* 2270. Burma to Malaya, the Philippines and the Moluccas.

1. *Faradaya matthewsii* Merr. in Journ. Str. Branch. Roy. As. Soc. 76 (1917) 115.

British North Borneo, *Villamil* 253! Endemic.

1. *Clerodendron adenophysum* Hall. f. in Meded. Rijks Herb. Leiden 37 (1917) 66; H. J. Lam Verb. Malay Archipel. (1919) 272.

Dutch Borneo, *Hallier* 2506, *Korthals*. Sumatra.

2. *Clerodendron barba-felis* Hall. f. op. cit. 74; H. J. Lam op. cit. 282.

Sarawak, *Foxworthy* 489!, 239!, 78! Endemic.

3. **Clerodendron bethuneanum** Low in Hook. Comp. Bot. Mag. (1848) 30; Hook. in Curtis's Bot. Mag. III 5 (1849) t. 4485; Miq. Fl. Ind. Bat. 2 (1859) 1083; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 123; H. J. Lam. Verb. Malay. Archipel. (1919) 297.

British North Borneo, *Low, Gibbs 3131, Yates 16!*; Sarawak, *Hose 88!* Celebes, Philippines, ?Java.

4. **Clerodendron blumeanum** Schauer in DC. Prodr. 11 (1857) 669; Miq. Fl. Ind. Bat. 2 (1859) 881; H. J. Lam Verb. Malay. Archipel. (1919) 78.

Dutch Borneo, *Korthals*; Sarawak, *Native collector 437!, 1375!, 1674!* *Bur. Sci.* Java and Sumatra to New Guinea.

5. **Clerodendron calamatosum** Linn. Mant. 1 (1767) 90; H. J. Lam Verb. Malay. Archipel. (1919) 256. *Clerodendron eriosiphon* Schauer in DC. Prodr. 11 (1857) 662; Miq. Fl. Ind. Bat. 2 (1859) 870 (var. *parvifolium*); Hall. f. Meded. Rijks Herb. Leiden 37 (1917) 73.

Dutch Borneo, *Korthals*. Sumatra, Java, Philippines.

6. **Clerodendron disparifolium** Blume Bijdr. (1826) 809; Miq. Fl. Ind. Bat. 2 (1857-59) 871; H. J. Lam Verb. Malay. Archipel. (1919) 250.

Dutch Borneo, *Korthals, Rutten 264, 219, Winkler 2260*; Sarawak, *Foxworthy 424!* Malay Peninsula, Java, Sumatra.

7. **Clerodendron fistulosum** Becc. Malesia 2 (1884) 48, t. 4; H. J. Lam Verb. Malay. Archipel. (1919) 311.

Sarawak, *Beccari 330, 45, 3574, Hose 615!*, *Native collector 527!, 1076!, 1372!* *Bur. Sci.*, *Haviland & Hose 589*; Dutch Borneo, *Hallier 1433*. Endemic.

8. **Clerodendron fragrans** Vent. Jard. Malm. (1804) t. 70; H. J. Lam Verb. Malay. Archipel. (1919) 260.

Dutch Borneo, *Rutten 273*. A native of China, pantropic in cultivation.

9. **Clerodendron haematoplasium** Hall. f. in Meded. Rijks Herb. Leiden 37 (1918) 69; H. J. Lam Verb. Malay. Archipel. (1919) 286.

Dutch Borneo, *Hallier 465, 2934*. Endemic.

10. **Clerodendron inerme** (Linn.) Gaertn. Fruct. 1 (1788) 271; H. J. Lam Verb. Malay. Archip. (1919) 251. *Clerodendron commersonii* Spreng. Syst. Veg. 2 (1825) 758. *Clerodendron neriiifolius* Wall. Cat. (1829) No. 1789.

Dutch Borneo, *Korthals*; Sarawak, *Haviland 1018, 3555, Hose 55!, 265!, Native collector 1175!, 2208!, Bur. Sci.* Along the seashore, tropical Africa and Asia to Polynesia.

11. ***Clerodendron infortunatum*** Linn. Sp. Pl. (1753) 637; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 123.

British North Borneo, *Gibbs 4289*; Sarawak, *Native collector 526!, 1828!, 2013! Bur. Sci.* India to the Moluccas.

12. ***Clerodendron intermedium*** Cham. in Linnaea 7 (1832) 150.

British North Borneo, *Villamil 128!* Philippines.

13. ***Clerodendron kinabaluense*** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 216; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 123; H. J. Lam Verb. Malay. Archipel. (1919) 279.

British North Borneo, *Haviland 1307, Gibbs 3978, Clemens 10087!* Endemic.

14. ***Clerodendron ridleyi*** King & Gamble in Kew Bull. (1908) 111, Journ. As. Soc. Beng. 74|2 (1908) 840; H. J. Lam Verb. Malay. Archipel. (1919) 312. ? *Clerodendron discolor* Becc. Nelle Foreste di Borneo (1902) 203, *nomen nudum*.

Sarawak, *Haviland & Hose 3554, Haviland 1841, ? Beccari 35, 3584.* Malay Peninsula.

15. ***Clerodendron sarawakanum*** H. J. Lam Verb. Malay. Archipel. (1919) 248. *Clerodendron pumilum* Ridl. in Journ. Str. Branch Roy. As. Soc. 50 (1908) 126, non Spreng.

Sarawak, *Hullett, Ridley 12300.* Endemic.

16. ***Clerodendron serratum*** Spreng. Syst. Veg. 2 (1825) 758; H. J. Lam Verb. Malay Archipel. (1919) 267.

Sarawak, *Native collector 275!, 368!, 2686! Bur. Sci.* India to Malaya.

17. ***Clerodendron villosum*** Blume Bijdr. (1826) 811; H. J. Lam Verb. Malay. Archipel. (1919) 289.

Sarawak, *Native collector 276!, 422!, 1909! Bur. Sci.*; Dutch Borneo, *Hallier 746, 789, 1609.* Burma to Malaya and the Philippines.

1. ***Hosea lobbii*** (Clarke) Ridl. in Journ. Str. Branch Roy. As. Soc. 50 (1908) 125 (*lobbiana*), 79 (1918) 17, H. J. Lam Verb. Malay. Archipel. (1919) 237. *Hoseanthus lobbii* Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 114. *Clerodendron lobbii* Clarke in Hook. f. Fl. Brit. Ind. 4 (1885) 590.

Sarawak, *Lobb, Hose 135!*, *Foxworthy 88!*, *Native collector 280!*, *739!* *Bur. Sci.* A monotypic endemic genus; Lobb's specimen was certainly from Borneo, not from Penang, as already noted by King & Gamble.

1. **Peronema canescens** Jack in Malay Miscel. 2|7 (1822) 46; King & Gamble in Journ. As. Soc. Beng. 74|2 (1908) 857; H. J. Lam Verb. Malay. Archipel. (1919) 322.

Borneo, *Motley 870.* Malay Peninsula, Sumatra, Java.

1. **Petraeovitex bambusetorum** King & Gamble in Kew Bull. (1908) 113, Journ. As. Soc. Beng. 74|2 (1908) 859; H. J. Lam Verb. Malay. Archipel. (1919) 328.

Sarawak, *Haviland 1913*, *Ridley 9065*; British North Borneo, *Clemens 10246?* Endemic.

2. **Petraeovitex ternata** Hall. f. in Meded. Rijks Herb. Leiden 37 (1918) 85; H. J. Lam Verb. Malay. Archipel. (1919) 325.

Dutch Borneo, *Hallier 4722*, *Winkler 2756.* Probably the same as the Philippine *P. trifoliata* Merr.

1. **Sphenodesme barbata** Schauer in DC. Prodr. 11 (1847) 623; H. J. Lam Verb. Malay. Archipel. (1919) 333. *S. winkleri* Hall. f. in Meded. Rijks Herb. Leiden 37 (1918) 86.

Dutch Borneo, *Winkler 2314.* Malay Peninsula, Penang.

2. **Sphenodesme borneensis** Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 114.

Sarawak, *Foxworthy 450*, *Native collector 1847!* *Bur. Sci.* Endemic.

3. **Sphenodesme pentandra** Jack in Malay Miscel. 1|1 (1820) 19; Hook. Bot. Miscel. 1 (1830) 285; King & Gamble in Journ. As. Soc. Beng. 74|2 (1908) 863; H. J. Lam Verb. Malay. Archipel. (1919) 335.

Borneo, fide King & Gamble l.c. India to the Malay Peninsula.

4. **Sphenodesme triflora** Wight Ic. (1850) t. 1478; H. J. Lam Verb. Malay. Archipel. (1919) 332.

Borneo(?) fide Lam l.c. Malay Peninsula, Sumatra.

1. **Avicennia alba** Blume Bijdr. (1826) 821; King & Gamble in Journ. As. Soc. Beng. 74|2 (1908) 868.

Sarawak, *Haviland, Foxworthy 292!*, *Sarawak Museum 187!*; Dutch Borneo, *Foxworthy 555!*, *Beccari 1770.* Along the sea-shore, India to tropical Australia.

2. **Avicennia officinalis** Linn. Sp. Pl. (1753) 110; Becc. Nelle Foreste di Borneo (1902) 581. *Avicennia oepata* Ham. in

Trans. Linn. Soc. 17 (1835) 221; Hall. f. in Meded. Rijks Herb. Leiden 37 (1918) 89.

Sarawak, *Beccari*, *Native collector 1616!* *Bur. Sci.* Along the seashore in the tropics of the Old World.

Labiatae.

1. *Gomphostemma microcalyx* Prain in Journ. As. Soc. Beng. 59|2 (1891) 316.

Sarawak, *Native collector 701!* *Bur. Sci.* Malay Peninsula.

1. *Paraphlomis rugosa* (Benth.) Prain in Ann. Bot. Gard. Calcutta 9|1 (1901) 60. *Phlomis rugosa* Benth. in Wall. Pl. As. Rar. 1 (1830) 63; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 216.

British North Borneo, *Clemens 10491!*, *10465!*, *10397!*, *Haviland 1228*. India to southern China, the Philippines, and Malaya.

1. *Leucas zeylanica* (Linn.) R. Br. ex Spreng. Syst. 2 (1825) 472 (*ceylanica*); Hall. f. in Bull. Herb. Boiss. 6 (1898) 617 (var. *latifolia* Hall. f.). *Leucas bancana* Miq. Fl. Ind. Bat. (1860-62) 572; Hall. f. in Ann. Jard. Bot. Buitenz. 13 (1896) 293, t. 24.

Sarawak, *Beccari 269*, *Hose 282!*, *Native collector 1051!*, *1399!*, *2277!* *Bur. Sci.*; British North Borneo, *Clemens 9737!*; Dutch Borneo, *Teysmann 8624*. India to Malaya and the Philippines.

1. *Anisomeles indica* (Linn.) O. Kuntze Rev. Gen. Pl. (1891) 512. *Anisomeles ovata* R. Br.; Miq. Fl. Ind. Bat. 2 (1857-59) 975.

Sarawak, *Hose 283!*, *Native collector 142!*, *1888!* *Bur. Sci.* Tropical Asia and Malaya.

1. *Melissa parviflora* Benth. Lab. Gen. Sp. (1832-36) 394; Miq. Fl. Ind. Bat. 2 (1857-59) 969.

Borneo, fide *Miquel* l.c. India, Java.

1. *Pogostemon cablin* (Blanco) Benth. in DC. Prodr. 12 (1848) 156. *Pogostemon patchouly* Pellet in Mém. Soc. Sci. Orleans 5 (1845) 277; Boerl. Handl. Fl. Nederl. Ind. 2|2 (1899) 714. (*patchouli*).

Borneo, fide *Boerlage* l.c. India to Malaya, widely cultivated.

2. *Pogostemon heyneanus* Benth. in Wall. Pl. As. Rar. 1 (1830) 31.

Sarawak, *Native collector 2035!*, *1398!* *Bur. Sci.* India to Malaya and the Philippines.

3. **Pogostemon menthoides** Blume Bijdr. (1826) 825; Boerl. Handl. Fl. Nederl. Ind. 2|2 (1899) 714.

Borneo, fide *Boerlage* l.c. Java, Sumatra.

1. **Dysophylla auricularia** (Linn.) Blume Bijdr. (1826) 826. *Pogostemon auricularia* Hassk.; Miq. Fl. Ind. Bat. 2 (1857-59) 964.

British North Borneo, *Clemens* 9711!; Sarawak, *Native collector* 2021! *Bur. Sci.* India to China and Malaya.

2. **Dysophylla verticillata** Benth. in Wall. Pl. As. Rar. 1 (1830) 30; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 124.

British North Borneo, *Gibbs* 2968. India to Australia.

1. **Hyptis brevipes** Poir. in Ann. Mus. Paris 7 (1806) 465; Hallier f. in Bull. Herb. Boiss. 5 (1897) 1041; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 124.

Dutch Borneo, *Hallier*, *Grabowsky*!; British North Borneo, *Gibbs* 2676, *Clemens* 9701!, 11237!; Sarawak, *Native collector* 175!, 1889! *Bur. Sci.* A pantropic weed of American origin.

2. **Hyptis capitata** Jacq. Coll. 1 (1786) 102; Hallier f. in Bull. Herb. Boiss. 5 (1897) 1041.

Dutch Borneo, *Hallier*. A weed of American origin, now very common in the Philippines, occurring also in Java, Amboina, etc.

3. **Hyptis suaveolens** (Linn.) Poir. in Ann. Mus. Paris 8 (1806) 472, t. 29, f. 2.

British North Borneo, *Clemens* 9536!, *Topping* 1477! Pantropic; of American origin.

1. **Coleus atropurpureus** Benth. in Wall. Pl. As. Rar. 2 (1831) 16.

Sarawak, *Native collector* 1911! *Bur. Sci.* Malay Peninsula and Archipelago.

1. **Mesona palustris** Blume Bijdr. (1826) 838; Miq. Fl. Ind. Bat. 2 (1857-59) 940.

Dutch Borneo, *Korthals*. Java, Celebes.

1. **Moschosma polystachyum** (Linn.) Benth. in Wall. Pl. As. Rar. 2 (1831) 13; Boerl. Handl. Fl. Nederl. Ind. 2|2 (1899) 713.

Borneo, fide *Boerlage* l.c. Tropical Africa and Asia to Australia.

1. **Ocimum basilicum** Linn. Sp. Pl. (1753) 597; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 124.

British North Borneo, *Gibbs* 3016. Pantropic.

2. **Ocimum sanctum** Linn. Mant. 1 (1767) 85; Miq. Fl. Ind. Bat. 2 (1857-59) 939.

Borneo, fide *Miquel* l.c.; British North Borneo, *Clemens* 9547!; Sarawak, *Foxworthy* 73! Pantropic.

1. **Orthosiphon aristatus** (Blume) Miq. Fl. Ind. Bat. 2 (1857-59) 943. *Ocimum aristatum* Blume Bijdr. (1826) 833. *Orthosiphon stamineus* Benth. in Wall. Pl. As. Rar. 2 (1831) 15; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 124.

Dutch Borneo, *Korthals*; British North Borneo, *Gibbs* 2980. Tropical Asia to tropical Australia.

Solanaceae.

1. **Physalis angulata** Linn. Sp. Pl. (1753) 183.

Sarawak, *Native collector* 1141! *Bur. Sci.* Pantropic.

2. **Physalis minima** Linn. Sp. Pl. (1753) 183, var. **indica** (Lam.) Clarke in Hook. f. Fl. Brit. Ind. 4 (1883) 238. *Physalis pseudoangulata* Blume Bijdr. (1825) 706; Miq. Fl. Ind. Bat. 2 (1857-59) 663.

Dutch Borneo, *Korthals*. Pantropic.

1. **Solanum biflorum** Lour. Fl. Cochinch. (1790) 129; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 209.

British North Borneo, *Low*, *Haviland* 1234, *Clemens* 11017!, 10400!, 10375!; Sarawak, *Native collector* 2127! *Bur. Sci.* Southern Asia and Malaya.

2. **Solanum blumei** Nees ex Blume Bijdr. (1825) 697; Miq. Fl. Ind. Bat. 2 (1857-59) 642; King & Gamble in Journ. As. Soc. Beng. 74|2 (1905) 330.

Borneo, fide *Miquel* l.c. Malay Peninsula, Sumatra, Java.

3. **Solanum cyanocarphium** Blume Bijdr. (1825) 700; Miq. Fl. Ind. Bat. 2 (1857-59) 656.

Dutch Borneo, *Korthals*. Java.

4. **Solanum ferox** Linn. Sp. Pl. ed. 2 (1762) 267; Miq. Fl. Ind. Bat. 2 (1857-59) 646.

Borneo, fide *Miquel* l.c. India to Malaya.

5. **Solanum melongena** Linn. Sp. Pl. (1753) 186; Becc. Nelle Foreste di Borneo (1902) 597. *Solanum undatum* Lam.; Miq. Fl. Ind. Bat. 2 (1857-59) 654.

Sarawak, *Beccari*, *Native collector* 2342! *Bur. Sci.* Pantropic in cultivation; the egg-plant or brinjal.

6. **Solanum parasiticum** Blume Bijdr. (1825) 697; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 113.

British North Borneo, *Gibbs 3126*; Sarawak, *Hose 119*! Malay Peninsula, Sumatra, Java.

7. **Solanum torvum** Sw. Prodr. Veg. Ind. Occ. (1788) 47, Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 113. *Solanum pseudosaponaceum* Blume Bijdr. (1825) 702; Miq. Fl. Ind. Bat. 2 (1857-59) 647.

British North Borneo, *Gibbs 2639*, *Yates 18*!, *Clemens 11229*! *Villamil 138*!, *329*!; Sarawak, *Native collector 1887*! *Bur. Sci.*; Dutch Borneo, *Korthals*. Pantropic.

8. **Solanum verbascifolium** Linn. Sp. Pl. (1753) 184; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 113.

British North Borneo, *Gibbs 2661*, *Villamil 395*! Pantropic.

1. **Nicotiana tabacum** Linn. Sp. Pl. (1753) 180; Ridl. in Journ. Str. Branch Roy. As. Soc. 63 (1912) 62.

Sarawak, *Moulton*. Tobacco; cultivated in Borneo as in all other warm countries, a native of tropical America.

Capsicum frutescens Linn., *C. annum* Linn., *Lycopersicum esculentum* Mill., the tomato, and *Datura fastuosa* Linn. undoubtedly also occur in Borneo.

Scrophulariaceae.

1. **Brookea albicans** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 211.

British North Borneo, *Haviland 1344*. Endemic.

2. **Brookea dasyantha** Benth. in Hook. Ic. III 2 (1876) 84, t. 1197.

Sarawak, *Beccari 1145*, *3203*, *Lobb, Native collector 2511*! *Bur. Sci.*, *Sarawak Museum*! Endemic.

3. **Brookea tomentosa** Benth. in Hook. Ic. III (1876) 84.

Sarawak, *Lobb, Hose 310*!, *Native collector 319*!, *2510*! *Bur. Sci.*; British North Borneo, *Clemens 9712*!, *9881*!, *9900*!, Endemic; the genus is confined to Borneo.

1. **Wightia borneensis** Hook. f. Ic. III 5 (1883) 35, t. 1444; King & Gamble in Journ. As. Soc. Beng. 74|2 (1905) 342.

Sarawak, *Lobb*. Malay Peninsula.

1. **Linnophila fragrans** (Forst.) Seem. Fl. Vit. (1865-68) 180.

British North Borneo, *Clemens 978*!, *11261*! Malaya to Polynesia.

2. ***Limnophila heterophylla*** Benth. Scroph. Ind. (1835) 25; Boerl. Handl. Fl. Nederl. Ind. 2|2 (1899) 553.

Borneo, fide *Boerlage* l.c. Tropical Asia and Malaya.

3. ***Limnophila hirsuta*** (Heyne) Benth. in DC. Prodr. 10 (1846) 388; Boerl. Handl. Fl. Nederl. Ind. 2|2 (1899) 553.

Borneo, fide *Boerlage* l.c.; British North Borneo, *Clemens* 9710! Malay Peninsula to southern China, Sumatra, Java, and the Philippines.

4. ***Limnophila sessiliflora*** Blume Bijdr. (1826) 750; Becc. Nelle Foreste di Borneo (1902) 270.

Sarawak, *Beccari*. Tropical Asia and Malaya.

1. ***Adenosma capitatum*** Benth. ex Hook. f. Fl. Brit. Ind. 4 (1884) 264.

Sarawak, *Native collector 1913!* *Bur. Sci.*; British North Borneo, *Clemens* 9593!, 9676!, *Topping* 1412! Tropical Asia and Malaya.

2. ***Adenosma caeruleum*** R. Br. Prodr. (1810) 443; Boerl. Handl. Fl. Nederl. Ind. 2|2 (1899) 552.

Borneo, fide *Boerlage* l.c.; Sarawak, *Native collector 1890!* *Bur. Sci.*; British North Borneo, *Clemens* 9831! Indo-China to Australia.

3. ***Adenosma hirsutum*** (Miq.) Kurz in Journ. As. Soc. Beng. 35|2 (1895) 143; King & Gamble in Journ. As. Soc. Beng. 74|2 (1905) 346.

Borneo, *Motley* 215. Malay Peninsula, Sumatra, Banca; this is probably the form credited to Borneo by Beccari, *Nelle Foreste di Borneo* (1902) 595 as *A. villosum* Benth.

4. ***Adenosma javanicum*** (Blume) Merr. in Philip. Journ. Sci. 11 (1916) Bot. 312. *Herpestis javanica* Blume Bijdr. (1826) 748. *Herpestis ovata* Benth. Scroph. Ind. (1835) 30. *Adenosma ovatum* Hook. f. Fl. Brit. Ind. 4 (1884) 263; Boerl. Handl. Fl. Nederl. Ind. 2|2 (1899) 552.

British North Borneo, *Clemens* 9916! Indo-China to Malaya and the Philippines.

1. ***Microcarpaea minima*** (Koenig) Merr. in Philip. Journ. Sci. 7 (1912) Bot. 100. *Paederota minima* Koenig in Retz. Obs. 5 (1789) 10. *Microcarpaea muscosa* R. Br. Prodr. (1810) 436.

British North Borneo, *Clemens* 11259! India to tropical Australia.

1. ***Torenia lamponga*** Miq. Fl. Ind. Bat. Suppl. (1860-62) 562; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 114.

British North Borneo, *Gibbs* 2723. Sumatra.

Torenia concolor Lindl. is cultivated for ornamental purposes, Sarawak, *Foxworthy* 72!

2. ***Torenia polygonoides*** Benth. Scroph. Ind. (1835) 352; Boerl. Handl. Fl. Nederl. Ind. 2|2 (1899) 553.

Sarawak, *Native collector* 1380!, 2383!, 2384! *Bur. Sci.* Tropical Asia and Malaya.

1. ***Lindernia angustifolia*** (Benth.) Wettst. in Engl. & Prantl Nat. Pflanzenfam. 4|3b (1891) 73. *Vandellia angustifolia* Benth. in Wall. Cat. (1831) No. 3951.

British North Borneo, *Clemens* 11266! India to Japan and Malaya.

2. ***Lindernia crustacea*** (Linn.) F. Muell. Census (1882) 97. *Vandellia crustacea* Linn. Mant. 1 (1767) 87; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 114.

British North Borneo, *Gibbs* 2604, *Clemens* 9931!, 9684!, 10034!; Sarawak, *Hose* 346! Pantropic.

3. ***Lindernia cordifolia*** (Vahl) comb. nov. *Gratiola cordifolia* Vahl Enum. 1 (1804) 97. *Vandellia pedunculata* Benth. Scroph. Ind. (1835) 37; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 114.

British North Borneo, *Gibbs* 2729; Sarawak, *Ridley* 12442!

4. ***Lindernia hirsuta*** (Benth.) Wettst. in Engl. & Prantl Nat. Pflanzenfam. 4|3b (1891) 73. *Vandellia hirsuta* Benth. Scroph. Ind. (1835) 36; Boerl. Handl. Fl. Nederl. Ind. 2|2 (1899) 554.

Borneo, fide *Boerlage* l.c. Tropical Asia and Malaya.

5. ***Lindernia pusilla*** (Thunb.) Merr. in Philip. Journ. Sci. 11 (1916) Bot. 312. *Selago pusilla* Thunb. Prodr. Pl. Cap. (1794-1800) 99. *Vandellia scabra* Benth. Scroph. Ind. (1835) 36; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 114.

British North Borneo, *Gibbs* 2605, *Clemens* 11162!, 9931a!; Sarawak, *Hose* 349! Tropical Africa, Asia, and Malaya.

1. ***Curanga fel-terrae*** (Lour.) Merr. Interpret. Herb. Amb. (1917) 467. *Picria fel-terrae* Lour. Fl. Cochinch. (1790) 393. *Curanga amara* Juss. in Ann. Mus. Paris 9 (1807) 319.

British North Borneo, *Clemens* 10207!, 10012! India to Malaya and the Philippines.

1. ***Ilysanthes antipoda*** (Linn) Merr. Interpret. Herb. Amb. (1917) 467. *Ruellia antipoda* Linn. Sp. Pl. (1753) 635. *Bonnaya veronicaefolia* Retz. Obs. 4 (1768) 8.

British North Borneo, *Clemens* 9759! Tropical Asia and Malaya.

2. *Ilysanthes ciliata* (Koenig) O. Kuntze Rev. Gen. Pl. (1891) 461. *Gratiola ciliata* Koenig in Vahl Symb. 1 (1790) 97. *Bonnaya reptans* Spreng Syst. 1 (1825) 41.

British North Borneo, *Clemens* 9966!, 10011! India to Malaya and the Philippines.

3. *Ilysanthes serrata* (Roxb.) Urb. in Ber. Deutsch. Bot. Gesel. 2 (1884) 436. *Gratiola serrata* Roxb. Fl. Ind. 1 (1820) 139. *Bonnaya brachiata* Link & Otto Ic. Pl. Sel. 1 (1841) 25, t. 11.

Sarawak, *Hose* 351! India to China, Malaya, and the Philippines.

1. *Scoparia dulcis* Linn. Sp. Pl. (1753) 116; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 114.

British North Borneo, *Gibbs* 3635, 2752, *Villamil* 136!, *Clemens* 9673!, 9734!, 11236!, *Yates* 28!; Sarawak, *Hose* 277!, *Native collector* 159! *Bur. Sci.* A pantropic weed of American origin.

1. *Euphrasia borneensis* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 210, t. 16, f. B, 10-16; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 114.

British North Borneo, *Haviland* 1061, *Gibbs* 3047, 4274, *Clemens* 10699!, 10605!, *Haslam*!, *Topping* 1661! Northern Luzon.

Bignoniaceae.

1. *Dolichandrone spathacea* (Linn. f.) K. Schum. Fl. Kaiser Wilh. Land (1889) 123. *Dolichandrone rheedii* Seem. in Journ. Bot. 8 (1870) 380. *Spathodea rheedii* Wall.; Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 200.

Labuan, *Motley*; Dutch Borneo, *Korthals*; Sarawak, *Sarawak Museum* 188!, *Foxworthy* 496! Along the seashore, India to New Guinea.

1. *Radermachera gigantea* (Blume) Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 250. *Lagaropyxis gigantea* Miq. Ann. Mus. Bot. Lugd.-Bat. 1 (1863-64) 198. *Spathodea gigantea* Blume Bijdr. (1826) 761. *Spathodea lobbii* T. & B. in Nat. Tijdschr. Nederl. Ind. 25 (1863) 413. *Radermachera lobbii* Miq. Ann. Mus. Bot. Lugd.-Bat. 3 (1867) 250. *Radermachera amoena* Seem. in Journ. Bot. 8 (1870) 146.

Dutch Borneo, *Korthals*. Malay Peninsula, Java.

2. *Radermachera glandulosa* (Blume) K. Schum. in Engl. & Prantl Nat. Pflanzenfam. 4|3b (1894) 243; King & Gamble in Journ. As. Soc. Beng. 74|2 (1905) 380. *Spathodea glandulosa* Blume Bijdr. (1826) 762.

Sarawak, *Beccari* 811. Burma, Malay Peninsula, Sumatra, Java.

Pedaliaceae.

1. **Sesamum orientale** Linn. Sp. Pl. (1753) 634. *Sesamum indicum* Linn. l.c.,

British North Borneo, *Clemens 9538!* Pantropic, wild and cultivated, a native of tropical Asia; sesame.

Orobanchaceae.

1. **Aeginetia indica** Linn. Sp. Pl. (1753) 632.

Dutch Borneo, *Hallier 2293*; Sarawak, *Foxworthy 354!*, *Native collector 2529!* *Bur. Sci.* India to southern China, the Philippines and Malaya.

Gesneriaceae.

1. **Didissandra elongata** (Jack) Clarke in DC. Monog. Phan. 5 (1883) 67.

Borneo, *Herb. Lugd.-Bat.* Sumatra.

2. **Didissandra ornata** Clarke in DC. Monog. Phan. 5 (1883) 69, t. 8.

Sarawak, *Beccari 1889, Lobb.* Endemic.

3. **Didissandra rufa** Clarke in DC. Monog. Phan. 5 (1883) 70; Boerl. Handl. Fl. Nederl. Ind. 2|2 (1899) 580.

Dutch Borneo, *Teysmann 11211.* Endemic.

4. **Didissandra(?) triflora** Clarke in DC. Monog. Phan. 5 (1883) 69.

Dutch Borneo, *Teysmann 11212, 11217.* Endemic.

1. **Didymocarpus alternifolia** Clarke in DC. Monog. Phan. 5 (1883) 106.

Dutch Borneo, *Teysmann 10799.* Endemic.

2. **Didymocarpus amoena** Clarke in DC. Monog. Phan. 5 (1883) 87.

Borneo, *Burbidge.* Endemic.

3. **Didymocarpus angustifolia** Clarke in DC. Monog. Phan. 5 (1883) 89.

Sarawak, *Beccari 3629.* Endemic.

4. **Didymocarpus areolatus** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 213.

British North Borneo, *Haviland 1248.* Endemic.

5. **Didymocarpus beccarii** Clarke in DC. Monog. Phan. 5 (1883) 89.

Sarawak, *Beccari* 3884, 3442; Dutch Borneo, *Teysmann* 8441. Endemic.

6. *Didymocarpus bullata* Clarke in DC. Monog. Phan. 5 (1883) 92.

Sarawak, *Beccari* 2108, *Lobb*, *Hewitt*!, *Native collector* 1439!, 2247! *Bur. Sci.* Endemic.

7. *Didymocarpus conicapsularis* Clarke in DC. Monog. Phan. 5 (1883) 100.

Dutch Borneo, *Teysmann* 11215. Endemic.

8. *Didymocarpus crenata* Baker in Kew Bull. (1896) 25.

British North Borneo, *Creagh*. Endemic.

9. *Didymocarpus crinita* Jack in Malay Miscel. 1, 5 (1820) 1; Clarke in DC. Monog. Phan. 5 (1883) 93; Ridl. in Journ. Linn. Soc. Bot. 32 (1896) 505.

Dutch Borneo, *Teysmann* 7986, 11221.

Var. *exasperata* Clarke l.c.; Winkler in Engl. Bot. Jahrb. 44 (1910) 537. *Didymocarpus clarkei* Becc. Nelle Foreste di Borneo (1902) 517.

Dutch Borneo, *Korthals*, *Winkler* 2504!; Sarawak, *Beccari* 1557, *Hewitt*!

Var. *latifolia* Clarke in DC. Monog. Phan. 5 (1883) 93.

Sarawak, *Beccari* 342, 829, 2857; Dutch Borneo, *Teysmann* 11209. Malay Peninsula, Lingga, Sumatra.

10. *Didymocarpus elegans* Clarke in DC. Monog. Phan. 5 (1883) 88.

Borneo, *Lobb*. Endemic.

11. *Didymocarpus follicularis* Clarke in DC. Monog. Phan. 5 (1883) 98.

Dutch Borneo, *Teysmann* 11218. Endemic.

12. *Didymocarpus gracilipes* Clarke in DC. Monog. Phan. 5 (1883) 97.

Sarawak, *Beccari* 3229. Endemic.

13. *Didymocarpus kampsoboea* Clarke in DC. Monog. Phan. 5 (1883) 92, t. 10; Ridl. in Journ. Linn. Soc. Bot. 32 (1896) 506.

Sarawak, *Beccari* 3440. Malay Peninsula.

14. *Didymocarpus lanceolata* Clarke in DC. Monog. Phan. 5 (1883) 89.

Borneo, *Lobb*. Endemic.

15. **Didymocarpus leptocalyx** Clarke in DC. Monog. Phan. 5 (1883) 91.
Sarawak, *Beccari 1794, Lobb.*
Var. **tenuior** Clarke l.c.
Sarawak, *Beccari.* Endemic.
16. **Didymocarpus nervosa** Clarke in DC. Monog. Phan. 5 (1883) 95.
Sarawak, *Beccari 3889.* Endemic.
17. **Didymocarpus paraboea** Clarke in DC. Monog. Phan. 5 (1883) 106.
Borneo, *Lobb.* Endemic.
18. **Didymocarpus petiolaris** Clarke in DC. Monog. Phan. 5 (1883) 100.
Labuan, *Motley 347; Borneo, Barber.* Endemic.
19. **Didymocarpus punctata** Clarke in DC. Monog. Phan. 5 (1883) 99.
Borneo, *Lobb.* Endemic.
20. **Didymocarpus reticulosa** Clarke in DC. Monog. Phan. 5 (1883) 90.
Sarawak, *Beccari 1713, Lobb.* Endemic.
21. **Didymocarpus rufa** Clarke in DC. Monog. Phan. 5 (1883) 70.
Dutch Borneo, *Teysmann 11211.* Endemic.
22. **Didymocarpus rufescens** Clarke in DC. Monog. Phan. 5 (1883) 99.
Sarawak, *Beccari 2130, Lobb, Hewitt!* Endemic.
23. **Didymocarpus scabrinervia** Clarke in DC. Monog. Phan. 5 (1883) 91.
Sarawak, *Beccari 2493; Dutch Borneo, Teysmann 10883.* Endemic.
24. **Didymocarpus schefferi** Forbes in Journ. Linn. Soc. Bot. 19 (1882) 298; Clarke in DC. Monog. Phan. 5 (1883) 106.
Dutch Borneo, *Teysmann 8430.*
Var. **ambigua** Clarke l.c.
Dutch Borneo, *Teysmann 4214.* Endemic.
25. **Didymocarpus teres** Clarke in DC. Monog. Phan. 5 (1883) 88.
Sarawak, *Beccari 385, 1353, Hewitt!* Endemic.

26. **Didymocarpus verbenaeflos** Clarke in DC. Monog. Phan. 5 (1883) 99.

Borneo, *Burbidge*. Endemic.

27. **Didymocarpus violoides** Clarke in DC. Monog. Phan. 5 (1883) 97.

Borneo, *Lobb*. Endemic.

1. **Chirita fusca** Clarke in DC. Monog. Phan. 5 (1883) 129.
Borneo, *Lobb*. Endemic.

1. **Boea brettiana** W. W. Sm. in Notes Bot. Gard. Edinburgh 8 (1915) 319.

Sarawak, *Ridley 11724, Haviland 1460, Native collector 14 Edinb.* Endemic.

2. **Boea swinhoii** Hance in Ann. Sci. Nat. V 5 (1866) 231; Clarke in DC. Monog. Phan. 5 (1883) 142, var. *diffusior* Clarke l.c.

Borneo, *Herb. Lugd.-Bat.* Formosa, Luzon (the species), Java (the variety).

1. **Trichosporum angustifolium** (Blume) Nees in Flora 8 (1825) 144. *Aeschynanthus angustifolius* Steud. Nomencl. ed. 2, 1 (1840) 32; Hallier in Nat. Tijdschr. Nederl. Ind. 56 (1897) 335.

Dutch Borneo, *Hallier 3299, 3312, 3318*. Java, Sumatra.

2. **Trichosporum brevicalyx** (Miq.) O. Kuntze Rev. Gen. Pl. (1891) 477. *Aeschynanthus brevicalyx* Miq. Fl. Ind. Bat. 2 (1857-59) 720; Hallier f. in Nat. Tijdschr. Nederl. Ind. 56 (1897) 340.

Dutch Borneo, *Hallier 1709*. Endemic.

3. **Trichosporum cryptanthum** (Clarke) O. Kuntze Rev. Gen. Pl. (1891) 477. *Aeschynanthus cryptantha* Clarke in DC. Monog. Phan. 5 (1883) 50.

Sarawak, *Beccari 4048*. Endemic.

4. **Trichosporum curtisii** (Clarke) O. Kuntze Rev. Gen. Pl. (1891) 778. *Aeschynanthus curtisii* Clarke in DC. Monog. Phan. 5 (1883) 45.

Borneo, *Curtis*. Endemic.

5. **Trichosporum dasycalyx** (Hallier f.) comb. nov. *Aeschynanthus dasycalyx* Hallier f. in Nat. Tijdschr. Nederl. Ind. 56 (1897) 342.

Dutch Borneo, *Hallier 3059, 3060*. Endemic.

6. **Trichosporum elongatum** (Clarke) O. Kuntze Rev. Gen. Pl. (1891) 477. *Aeschynanthus elongata* Clarke in DC. Monog. Phan. 5 (1883) 45.

Dutch Borneo, *Korthals* 102. Endemic.

7. **Trichosporum fraserianum** (Kränzl.) comb. nov. *Aeschynanthus fraseriana* Kränzl. in Journ. Linn. Soc. Bot. 37 (1906) 284.

British North Borneo, *Fraser* 268. Endemic.

8. **Trichosporum gibbsiae** (S. Moore) comb. nov. *Aeschynanthus gibbsiae* S. Moore ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 117.

British North Borneo, *Gibbs* 3987. Endemic.

9. **Trichosporum hians** (Clarke) O. Kuntze Rev. Gen. Pl. (1891) 477. *Aeschynanthus hians* Clarke in DC. Monog. Phan. 5 (1883) 51.

Sarawak, *Beccari* 590, 2694, 675, 690. Endemic.

10. **Trichosporum hoseanum** (Kränzl.) comb. nov. *Aeschynanthus hoseana* Kränzl. in Journ. Linn. Soc. Bot. 37 (1916) 284.

Sarawak, *Haviland* 3528. Endemic.

11. **Trichosporum boschianum** (De Vriese) O. Kuntze Rev. Gen. Pl. (1891) 477. *Aeschynanthus boschiana* De Vriese ex Morr. in Ann. Soc. Agric. Bot. Gand 2 (1846) 403. *Aeschynanthus lamponga* Miq. Fl. Ind. Bat. Suppl. (1860-62) 563, var. *obtusa* Clarke in DC. Monog. Phan. 5 (1883) 42.

Sarawak, *Beccari* 100, 1371, 2288. Sumatra (the species).

12. **Trichosporum lepidospermum** (Clarke) O. Kuntze Rev. Gen. Pl. (1891) 477. *Aeschynanthus lepidosperma* Clarke in DC. Monog. Phan. 5 (1883) 35; Hallier f. in Nat. Tijdschr. Nederl. Ind. 56 (1897) 339.

Sarawak, *Beccari* 2803; Dutch Borneo, *Teysmann* 8433. Endemic.

13. **Trichosporum lobbianum** (Hook.) O. Kuntze Rev. Gen. Pl. (1891) 477. *Aeschynanthus lobbiana* Hook. in Curtis's Bot. Mag. t. 4260; Clarke in DC. Monog. Phan. 5 (1883) 44; Ridl. in Journ. Linn. Soc. Bot. 32 (1896) 501. *Aeschynanthus parviflora* R. Br. var. *lobbiana* Hallier f. in Nat. Tijdschr. Nederl. Ind. 56 (1897) 343.

Sarawak, *Beccari* 2470, 3600, 3619, *Native collector* 883!, 888!, *Bur. Sci.*; Dutch Borneo, *Teysmann* 8438, *Motley* 978, 194. Malay Peninsula, Sumatra, Java.

14. **Trichosporum mangificum** (Stapf) comb. nov. *Aeschynanthus magnificus* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 212.

British North Borneo, *Haviland 1255, Clemens 10195!*
Endemic.

15. **Trichosporum microphyllum** (Clarke) O. Kuntze Rev. Gen. Pl. (1891) 477. *Aeschynanthus microphylla* Clarke in DC. Monog. Phan. 5 (1883) 49.

Borneo, *Burbidge*. Celebes.

16. **Trichosporum miniatum** (Lindl.) O. Kuntze Rev. Gen. Pl. (1891) 477, var. **cordifolium** (Hook.) *Aeschynanthus miniata* Lindl. var. *cordifolia* Clarke in DC. Monog. Phan. 5 (1883) 51. *Aeschynanthus cordifolia* Hook. f. in Curtis's Bot. Mag. III 15 (1859) t. 5131, Fl. des Serres 14 (1859) 101, t. 1431.

Borneo, *Lobb*. Java (the species).

17. **Trichosporum motleyi** (Clarke) O. Kuntze Rev. Gen. Pl. (1891) 477. *Aeschynanthus motleyi* Clarke in DC. Monog. Phan. 5 (1883) 20; Ridl. in Journ. Linn. Soc. Bot. 32 (1896) 500; Hallier f. in Nat. Tijdschr. Nederl. Ind. 56 (1897) 334.

Dutch Borneo, *Korthals, Motley 916*. Malay Peninsula, Sumatra, Celebes, Ceram.

18. **Trichosporum obconicum** (Clarke) O. Kuntze Rev. Gen. Pl. (1891) 477. *Aeschynanthus obconica* Clarke in DC. Monog. Phan. 5 (1883) 50; Ridl. ex King & Gamble in Journ. As. Soc. Beng. 74|2 (1908) 737.

Borneo, *Motley 687*. Malay Peninsula.

19. **Trichosporum obovatum** (Clarke) O. Kuntze Rev. Gen. Pl. (1891) 477. *Aeschynanthus obovata* Clarke in DC. Monog. Phan. 5 (1883) 47.

Borneo, *Motley 1158*. A variety in Java.

20. **Trichosporum pulchrum** Blume Bijdr. (1826) 764. *Aeschynanthus pulchra* Don Gen. Syst. 4 (1838) 656; Clarke in DC. Monog. Phan. 5 (1883) 44; Hallier f. in Nat. Tijdschr. Nederl. Ind. 56 (1897) 344.

Dutch Borneo, *Korthals 35*. Java.

21. **Trichosporum radicans** Nees in Flora 8 (1825) 144. *Aeschynanthus radicans* Jack in Trans. Linn. Soc. 14 (1825) 43; Ridl. in Journ. Linn. Soc. Bot. 32 (1896) 501.

Sarawak, *Haviland, Foxworthy 327!*

Var. **robustius** Clarke in DC. Monog. Phan. 5 (1883) 41; Winkler in Engl. Bot. Jahrb. 44 (1910) 537; Hallier f. in Nat. Tijdschr. Nederl. Ind. 56 (1897) 345.

Dutch Borneo, *Teysmann* 80, 39, 8716, 11633, 11207, *Hallier*, *Winkler* 3354, *Motley* 517, 196. Malay Peninsula, Sumatra, Java.

22. **Trichosporum rhodophyllum** (Kränzl.) comb. nov. *Aeschynanthus rhodophylla* Kränzl. in Journ. Linn. Soc. Bot. 37 (1906) 283.

Sarawak, *Haviland* 1513. Endemic.

23. **Trichosporum siphonanthum** (Clarke) O. Kuntze Rev. Gen. Fl. (1891) 478. *Aeschynanthus siphonantha* Clarke in DC. Monog. Phan. 5 (1883) 45.

Borneo, *Lobb*. Endemic.

24. **Trichosporum speciosum** (Hook.) O. Kuntze Rev. Gen. Pl. (1891) 478. *Aeschynanthus speciosa* Hook. in Curtis's Bot. Mag. (1847) t. 4320 Clarke in DC. Monog. Phan. 5 (1883) 33.

Sarawak, *Beccari* 1548; British North Borneo, *Wood* 459!, *Clemens* 10320!, 10332! Malay Peninsula, Sumatra, Java.

25. **Trichosporum tricolor** (Hook. f.) O. Kuntze Rev. Gen. Pl. (1891) 478. *Aeschynanthus tricolor* Hook. f. in Curtis's Bot. Mag. t. 5031; Miq. Fl. Ind. Bat. 2 (1857-59) 1083; Clarke in DC. Monog. Phan. 5 (1883) 48; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 212; Hallier f. in Nat. Tijdschr. Nederl. Ind. 56 (1897) 341; Winkler in Engl. Bot. Jahrb. 44 (1910) 537.

British North Borneo, *Burbidge*. Dutch Borneo, *Winkler* 2789!; Borneo, *Lobb*, *Motley* 687, 177, 191; British North Borneo, *Clemens* 10275!, 9894!, *Haslam*!, *Agama* 417! Endemic.

26. **Trichosporum wallichii** (R. Br.) O. Kuntze Rev. Gen. Pl. (1891) 478. *Aeschynanthus wallichii* R. Br. in Benn. Pl. Jav. Rar. (1840) 160; Ridl. in Journ. Linn. Soc. Bot. 32 (1896) 502.

Borneo, fide *Ridley* l.c. Malay Peninsula, Sumatra.

1. **Dichrotrichum asperifolium** (Blume) Benth. & Hook. f. ex Clarke in DC. Monog. Phan. 5 (1883) 54; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 212; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 118. *Agalmyla tuberculata* Hook. f. Ic. II 5 (1852) t. 897; Walp. Ann. 5 (1858) 525.

British North Borneo, *Low*, *Haviland* 1076. Java, Amboina.

1. **Klugia notoniana** (Wall.) A. DC. Prodr. 9 (1845) 276; Winkler in Engl. Bot. Jahrb. 44 (1910) 537.

Dutch Borneo, *Winkler* 284. India and Ceylon.

1. **Rhynchoglossum obliquum** Blume Bijdr. (1826) 741; Winkler in Engl. Bot. Jahrb. 44 (1910) 538.

Dutch Borneo, *Winkler 2669*. India to Malaya and the Philippines.

1. **Cyrtandromoea minor** Ridl. in Journ. Str. Branch Roy. As. Soc. 49 (1908) 20.

Sarawak, *Hewitt*. Endemic.

1. **Hexatheca fulva** Clarke in DC. Monog. Phan. 5 (1883) 194, t. 22.

Sarawak, *Beccari 230, 1069, 2640, 3852*; Dutch Borneo, *Teysmann 11213*. A monotypic endemic genus.

1. **Stauranthera argyrescens** Hallier f. in Ann. Jard. Bot. Buitenz. 13 (1896) 286, t. 22, f. 2a-b; Boerl. Handl. Fl. Nederl. Ind. 2|2 (1899) 582.

Dutch Borneo, *Hallier 3453*. Endemic.

1. **Monophyllea beccarii** Clarke in DC. Monog. Phan. 5 (1883) 183.

Sarawak, *Beccari 211, Native collector 2521!* *Bur. Sci.* Endemic.

2. **Monophyllea glauca** Clarke in DC. Monog. Phan. 5 (1883) 132, t. 20; Winkler in Engl. Bot. Jahrb. 44 (1910) 538.

Sarawak, *Lobb, Native collector 882!, 2109!* *Bur. Sci.*; Dutch Borneo, *Winkler 2817*. Endemic.

3. **Monophyllea loweii** Clarke in DC. Monog. Phan. 5 (1883) 183.

Borneo, *Low*. Endemic.

1. **Moultonia singularis** Balf. & W. W. Sm. in Sarawak Mus. Journ. 2 (1915) 278, t. 2, Notes Bot. Gard. Edinburgh 8 (1915) 348, t. 146.

Sarawak, *Native collector 2112!* *Bur. Sci.* A monotypic endemic genus.

1. **Epithema carnosum** Benth. Scroph. Ind. (1835) 57; Winkler in Engl. Bot. Jahrb. 44 (1910) 538.

Dutch Borneo, *Winkler 2670, 3035*. India to Malaya.

2. **Epithema saxatile** Blume Bijdr. (1826) 738; Clarke in DC. Monog. Phan. 5 (1883) 178; Ridl. ex King & Gamble in Journ. As. Soc. Beng. 74|2 (1908) 784.

Sarawak, *Beccari 1063, Native collector 2095!, 2525!* *Bur. Sci.*; Dutch Borneo, *Winkler 2670a*. Malay Peninsula, Sumatra, Java.

1. *Cyrtandra anisopoda* Kränzl. in Notizbl. Kgl. Bot. Gart. Berlin 4 (1907) 292.
Borneo, *Schlechter 13355*. Endemic.
2. *Cyrtandra atrichos* Clarke in DC. Monog. Phan. 5 (1883) 237.
Sarawak, *Beccari 2792*. Endemic.
3. *Cyrtandra axillaris* Clarke in DC. Monog. Phan. 5 (1883) 260.
Dutch Borneo, *Teysmann 10886*. Endemic.
4. *Cyrtandra basiflora* Clarke in DC. Monog. Phan. 5 (1883) 254.
Sarawak, *Beccari 2735*, *Hewitt!* Endemic.
5. *Cyrtandra borneensis* Clarke in DC. Monog. Phan. 5 (1883) 244.
Borneo, *Lobb*. Endemic.
6. *Cyrtandra burbidgei* Clarke in DC. Monog. Phan. 5 (1883) 214.
British North Borneo, *Burbidge*, *Haviland 1223*, *Clemens 9994!*, *10009!*, *10338!* Endemic.
7. *Cyrtandra chrysea* Clarke in DC. Monog. Phan. 5 (1883) 212.
Borneo, *Lobb*. Endemic.
8. *Cyrtandra clarkei* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 213, t. 16, f. C, 17-19.
British North Borneo, *Haviland 1131*, *Clemens 10925!*, *10993!* Endemic.
9. *Cyrtandra cretacea* Kränzl. in Journ. Linn. Soc. Bot. 37 (1906) 279.
Sarawak, *Haviland & Hose 3530*. Endemic.
10. *Cyrtandra decurrens* De Vriese Pl. Ind. Bat. Or. (1845) 14, var. *puncticulata* Clarke in DC. Monog. Phan. 5 (1883) 232.
Dutch Borneo, *Teysmann 7987*, *7988*, *8435*, *10881*: Sarawak, *Beccari 253*, *909*, *938*, *1070*, *Lobb*. Penang and the Malay Peninsula to New Guinea.
11. *Cyrtandra dilatata* Clarke in DC. Monog. Phan. 5 (1883) 238.
Sarawak, *Beccari 3835*. Endemic.

12. *Cyrtandra eminens* Clarke in DC. Monog. Phan. 5 (1883) 208.
Sarawak, *Beccari 3803*. Endemic.
13. *Cyrtandra eximia* Clarke in DC. Monog. Phan. 5 (1883) 210.
Sarawak, *Beccari 1440*. Endemic.
14. *Cyrtandra farinosa* Clarke in DC. Monog. Phan. 5 (1883) 238.
Sarawak, *Beccari 229*. Endemic.
15. *Cyrtandra gibbsiae* S. Moore ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 116.
British North Borneo, *Gibbs 3113, Clemens 10138!, 10415!*
Endemic.
16. *Cyrtandra gracilentia* Kränzl. in Journ. Linn. Soc. Bot. 37 (1906) 278.
Borneo, *Curtis*. Endemic.
17. *Cyrtandra imminuta* Clarke in DC. Monog. Phan. 5 (1883) 254.
Sarawak, *Beccari 3858*. Endemic.
18. *Cyrtandra latens* Clarke in DC. Monog. Phan. 5 (1883) 215.
Sarawak, *Beccari 2300*. Endemic.
19. *Cyrtandra mamillata* Hallier f. in Bull. Herb. Boiss. 6 (1898) 287, t. 7, f. 1.
Dutch Borneo, *Teysmann 10603, 11612, 10882, 7991, Hallier*.
Endemic.
20. *Cyrtandra microcalyx* Schltr. in Notizbl. Kgl. Bot. Gart. Berlin 4 (1907) 292.
Borneo, *Schlechter 13490*. Endemic.
21. *Cyrtandra microcarpa* Clarke in DC. Monog. Phan. 5 (1883) 244.
Sarawak, *Beccari 764, 1222, 1335*. Endemic.
22. *Cyrtandra mirabilis* Clarke in DC. Monog. Phan. 5 (1883) 283.
Dutch Borneo, *Teysmann 11224*. Endemic.
23. *Cyrtandra multibracteata* Clarke in DC. Monog. Phan. 5 (1883) 253.
Sarawak, *Beccari 3777*. Endemic.

24. *Cyrtandra oblongifolia* Benth. & Hook. f. ex Clarke in DC. Monog. Phan. 5 (1883) 206; Winkler in Engl. Bot. Jahrb. 44 (1910) 538.

Sarawak, *Beccari* 207; Dutch Borneo, *Winkler* 2692. Java, Philippines.

25. *Cyrtandra paxiana* Lauterb. ex Winkler in Engl. Bot. Jahrb. 44 (1910) 540.

Dutch Borneo, *Winkler* 2818. Endemic.

26. *Cyrtandra phoenicolasia* Lauterb. ex Winkler in Engl. Bot. Jahrb. 44 (1910) 541.

Dutch Borneo, *Winkler* 3026, 2860. Endemic.

27. *Cyrtandra radiciflora* Clarke in DC. Monog. Phan. 5 (1883) 239, t. 28; Lauterb. ex Winkler in Engl. Bot. Jahrb. 44 (1910) 541.

Sarawak, *Beccari* 2318; Dutch Borneo, *Winkler* 2831, 3213. Endemic.

28. *Cyrtandra russa* Clarke in DC. Monog. Phan. 5 (1883) 238.

Sarawak, *Beccari* 498. Endemic.

29. *Cyrtandra sarawakensis* Clarke in DC. Monog. Phan. 5 (1883) 209.

Sarawak, *Beccari* 153, 911, 917. Endemic.

30. *Cyrtandra schizostyla* Clarke in DC. Monog. Phan. 5 (1883) 205.

Sarawak, *Beccari* 3842, 3316. Endemic.

31. *Cyrtandra serrato-bracteata* Lauterb. ex Winkler in Engl. Bot. Jahrb. 44 (1910) 538.

Dutch Borneo, *Winkler* 3027. Endemic.

32. *Cyrtandra splendens* Clarke in DC. Monog. Phan. 5 (1883) 209.

Sarawak, *Beccari* 947, *Hewitt!*; Dutch Borneo, *Teysmann* 7991, 10882. Endemic.

33. *Cyrtandra teres* Clarke in DC. Monog. Phan. 5 (1883) 207.

Dutch Borneo, *Teysmann* 8436. Endemic.

34. *Cyrtandra trisepala* Clarke in DC. Monog. Phan. 5 (1883) 263, t. 29; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 214.

Sarawak, *Beccari* 2452; Dutch Borneo, *Teysmann* 11347, 11349; British North Borneo, *Haviland* 1245, 1292, *Clemens* 10895!, 11173! Endemic.

35. *Cyrtandra tubiflora* Kränzl. in Journ. Linn. Soc. Bot. 37 (1906) 276.

Sarawak, *Haviland* & *Hose* 3537. Endemic.

36. *Cyrtandra urceolata* Clarke in DC. Monog. Phan. 5 (1883) 236.

Dutch Borneo, *Teysmann* 11216. Endemic.

37. *Cyrtandra velutina* Korth. ex Clarke in DC. Monog. Phan. 5 (1883) 208; Lauterb. ex Winkler in Engl. Bot. Jahrb. 44 (1910) 538.

Dutch Borneo, *Korthals*, *Motley* 1223, *Winkler* 3268. Endemic.

38. *Cyrtandra verrucosissima* Kränzl. in Philip. Journ. Sci. 8 (1913) Bot. 173.

Sarawak, *Native collector* 887! *Bur. Sci.* Endemic.

39. *Cyrtandra warburgiana* Lauterb. ex Winkler in Engl. Bot. Jahrb. 44 (1910) 540.

Dutch Borneo, *Winkler* 2987. Endemic.

40. *Cyrtandra winkleri* Lauterb. ex Winkler in Engl. Bot. Jahrb. 44 (1910) 539.

Dutch Borneo, *Winkler* 3028. Endemic.

Lentibulariaceae.

1. *Utricularia affinis* Wight, var. *griffithii* Oliv. in Journ. Linn. Soc. Bot. 3 (1859) 179; King & Gamble in Journ. As. Soc. Beng. 74|2 (1905) 370.

Borneo, fide *King & Gamble* l.c. Burma to southern China and the Malay Peninsula.

2. *Utricularia bifida* Linn. Sp. Pl. (1753) 18; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 115.

British North Borneo, *Gibbs* 2600, *Clemens* 11187! India to Japan southward to Australia.

3. *Utricularia calliphysa* Stapf ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 115, fig.

British North Borneo, *Gibbs* 3015, *Clemens* 9579! Endemic.

4. *Utricularia exoleta* R. Br. Prodr. (1810) 430; Becc. Nelle Foreste di Borneo (1902) 275.

Sarawak, *Beccari*. Southern Asia to tropical Australia.

5. *Utricularia orbiculata* Wall. Cat. (1829) No. 1500; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 211.

British North Borneo, *Haviland* 1327, 1328, *Clemens* 10948! Southern Asia, Malaya, and the Philippines.

6. *Utricularia punctata* Wall. Cat. (1829) No. 2121; King & Gamble in Journ. As. Soc. Beng. 74|2 (1905) 369.

Borneo, fide *King & Gamble* l.c. Tenasserim, Malay Peninsula.

7. *Utricularia racemosa* Wall. var. *filicaulis* Clarke in Hook. f. Fl. Brit. Ind. 4 (1884) 333; Boerl. Handl. Fl. Nederl. Ind. 2|2 (1899) 561.

Borneo, fide *Boerlage* l.c. India to Indo-China and the Malay Peninsula.

Acanthaceae.

1. *Staurogyne axillaris* S. Moore ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 118.

British North Borneo, *Gibbs* 3991, *Clemens* 10798! Endemic.

2. *Staurogyne setigera* (Nees) O. Kuntze Rev. Gen. Pl. (1891) 497; Clarke ex King & Gamble in Journ. As. Soc. Beng. 74|2 (1907) 635.

Borneo, fide *Clarke* l.c. Siam to Malaya.

1. *Thunbergia alata* Sims Bot. Mag. (1825) t. 2591.

Sarawak, *Foxworthy* 28!, *Native collector* 1429!, 1892!, 2345; *Bur. Sci.*; British North Borneo, *Yates* 41!, *Villamil* 297! Widely distributed in the tropics of the Old World, a native of tropical Africa.

2. *Thunbergia fragrans* Roxb. Pl. Coromandel. 1 (1795) 47, t. 67; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 214; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 118.

British North Borneo, *Creagh*, *Haviland* 1360, *Gibbs* 2617. India to tropical Australia.

1. *Cardanthera griffithii* Benth. ex Clarke in Hook. f. Fl. Brit. Ind. 4 (1884) 404; Boerl. Handl. Fl. Nederl. Ind. 2|2 (1899) 657.

Borneo, fide *Boerlage* l.c. India to Burma.

1. *Hygrophila phlomoides* Nees in Wall. Pl. As. Rar. 3 (1832) 80; Clarke ex King & Gamble in Journ. As. Soc. Beng. 74|2 (1907) 646.

Borneo, fide *Clarke* l.c. India to Indo-China, the Malay Peninsula, and the Philippines.

2. **Hygrophila quadrivalvis** Nees in Wall. Pl. As. Rar. 3 (1832) 80; Clarke l.c. 645.

Borneo, fide *Clarke* l.c. India to Malaya.

3. **Hygrophila salicifolia** (Vahl) Nees in Wall Pl. As. Rar. 3 (1832) 81; Boerl. Handl. Fl. Nederl. Ind. 2|2 (1899) 657. Var. *dimidiata* (Clarke).

Borneo, fide *Boerlage* l.c. India to Japan and Malaya.

4. **Hygrophila saxatilis** Ridl. in Trans. Linn. Soc. Bot. 3 (1893) 333; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 119.

British North Borneo, *Gibbs* 2749. Ceylon to Indo-China.

1. **Nomaphila stricta** Nees in DC. Prodr. 11 (1847) 84; Clarke ex King & Gamble in Journ. As. Soc. Beng. 74|2 (1907) 647.

Borneo, fide *Clarke* l.c.; Sarawak, *Native collector* 2516! *Bur. Sci.* Malay Peninsula, Java, Philippines.

1. **Hemigraphis alternata** T. Anders. in Journ. Linn. Soc. Bot. 7 (1864) 114; Gibbs op. cit. 42 (1914) 120.

British North Borneo, *Gibbs* 2796. Malay Peninsula, Sumatra, Java.

2. **Hemigraphis confinis** T. Anders. in Journ. Linn. Soc. Bot. 9 (1867) 463; Clarke ex King & Gamble in Journ. As. Soc. Beng. 74|2 (1907) 652.

Borneo, fide *Clarke* l.c. Malay Peninsula.

3. **Hemigraphis hirsuta** T. Anders. in Journ. Agr. Hort. Soc. Ind. 1 (1868) 270; Clarke ex King & Gamble in Journ. As. Soc. Beng. 74|2 (1897) 853.

Borneo, fide *Clarke* l.c. Malay Peninsula, Java, Philippines.

1. **Strobilanthes galeopsis** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 215; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 120.

British North Borneo, *Haviland* 1159, *Gibbs* 4231. Endemic.

2. **Strobilanthes kinabaluensis** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 214; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 120.

British North Borneo, *Gibbs* 3952, *Haviland* 1262, *Clemens* 10368! Endemic.

3. **Strobilanthes mesargyrea** Hallier f. in Nov. Act. Acad. Nat. Cur. 70 (1897) 195, t. 14, f. 1.

Dutch Borneo, *Hallier*. Endemic.

1. **Ruellia repens** Linn. Mant. 1 (1767) 89; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 119.

British North Borneo, *Gibbs 2868*. Southern Asia to Malaya.

2. **Ruellia tuberosa** Linn. Sp. Pl. (1753) 635; Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 116.

British North Borneo, *Foxworthy 619!*. Naturalized from tropical America.

1. **Aporuella borneensis** S. Moore ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 119.

British North Borneo, *Gibbs 2695*. Endemic.

1. **Lepidagathis staurogynoides** S. Moore ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 120.

British North Borneo, *Gibbs 2873, 2902, Clemens 9901!, 11182!* Endemic.

1. **Acanthus ebracteatus** Vahl Symb. 2 (1791) 75, t. 40; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 120.

British North Borneo, *Gibbs 2606, Agama 432*; Sarawak, *Native collector 1430!, 2162!* *Bur. Sci.* Malay Peninsula to the Moluccas, in brackish swamps.

1. **Andrographis tenuiflora** Anders. in Journ. Linn. Soc. Bot. 9 (1867) 502; Boerl. Handl. Fl. Nederl. Ind. 2|2 (1899) 661.

Borneo, fide *Boerlage l.c.* India to Java.

1. **Asystasia gangetica** (Linn.) T. Anders. in Thwaites Enum. Pl. Zeyl. (1859-64) 235.

British North Borneo, *Clemens 9739!*; Sarawak, *Native collector 1898!, 2272!, 2274!* *Bur. Sci.* Tropical Africa and Asia to Malaya.

1. **Pseuderanthemum borneense** (Hook. f.) Hallier f. in Ann. Jard. Bot. Buitenz. 15 (1898) 26, in nota. *Eranthemum borneense* Hook. f. in Curtis's Bot. Mag. III 39 (1883) t. 6701.

Introduced into cultivation from Borneo. Endemic.

1. **Hallieracantha anisophylla** (Hallier f.) Stapf in Journ. Linn. Soc. Bot. 38 (1907) 17. *Ptyssiglottis anisophylla* Hallier f. in Ann. Jard. Bot. Buitenz. 13 (1896) 289, t. 23, f. 2, a-c, Nov. Act. Acad. Nat. Cur. 70 (1898) 219.

Dutch Borneo, *Haller 3095, Tesmann 11509*. Endemic.

2. **Hallieracantha auriculata** (Hallier f.) Stapf in Journ. Linn. Soc. Bot. 38 (1907) 10. *Ptyssiglottis auriculata* Hallier f. in Ann. Jard. Bot. Buitenz. 13 (1896) 292, Nov. Act. Acad. Nat. Cur. 70 (1898) 219, t. 14, f. 3.

Dutch Borneo, *Hallier 2291*. Endemic.

3. **Hallieracantha beccarii** Stapf in Journ. Linn. Soc. Bot. 38 (1907) 13.

Sarawak, *Beccari 1053, Haviland 571*. Endemic.

4. **Hallieracantha caudata** Stapf in Journ. Linn. Soc. Bot. 38 (1907) 16.

Sarawak, *Haviland 988*. Endemic.

5. **Hallieracantha creaghii** Stapf in Journ. Linn. Soc. Bot. 38 (1907) 11.

British North Borneo, *Creagh*. Endemic.

6. **Hallieracantha dispar** (Hallier f.) Stapf in Journ. Linn. Soc. Bot. 38 (1907) 16. *Ptyssiglottis dispar* Hallier f. in Nov. Act. Acad. Nat. Cur. 70 (1898) 220, t. 15, f. 4.

Dutch Borneo, *Teysmann 11495*. Endemic.

7. **Hallieracantha dulcamarioides** Stapf in Journ. Linn. Soc. Bot. 38 (1907) 10.

Sarawak, *Haviland 792, 3512*. Endemic.

8. **Hallieracantha frutescens** (Hallier f.) Stapf in Journ. Linn. Soc. Bot. 38 (1907) 16. *Ptyssiglottis frutescens* Hallier f. in Nov. Act. Acad. Nat. Cur. 70 (1898) 222, t. 16, f. 2.

Dutch Borneo, *Hallier 2837, 3071, Teysmann 7920*. Endemic.

9. **Hallieracantha gibbsiae** S. Moore ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 122.

British North Borneo, *Gibbs 2931*. Endemic.

10. **Hallieracantha granulata** Stapf in Journ. Linn. Soc. Bot. 38 (1907) 16.

Sarawak, *Haviland 993*. Endemic.

11. **Hallieracantha hallieri** (Valeton) comb. nov. *Ptyssiglottis hallieri* Valeton in Ic. Bogor. 3 (1908) 128, t. 252, Fedde Repert. 9 (1911) 305.

Dutch Borneo, *Nieuwenhuis*. Endemic.

12. **Hallieracantha hirsuta** (Hallier f.) Stapf in Journ. Linn. Soc. Bot. 38 (1907) 10. *Ptyssiglottis hirsuta* Hallier f. in Nov. Act. Acad. Nat. Cur. 70 (1898) 217, t. 14, f. 2.

Dutch Borneo, *Hallier*. Endemic.

13. **Hallieracantha lanceolata** (Hallier f.) Stapf in Journ. Linn. Soc. Bot. 38 (1907) 12. *Ptyssiglottis lanceolata* Hallier f. in Nov. Act. Acad. Nat. Cur. 70 (1898) 221, t. 15, f. 1.

Dutch Borneo, *Hallier 82, 177*; Sarawak, *Hose 120!, 168!, 285!, 300, Haviland & Hose 3546*. Endemic.

14. **Hallieracantha laxa** Stapf in Journ. Linn. Soc. Bot. 38 (1907) 11.

Borneo, *Motley*, *Barber* 334. Endemic.

15. **Hallieracantha leptoneura** (Hallier f.) Stapf in Journ. Linn. Soc. Bot. 38 (1907) 13. *Ptyssiglottis leptoneura* Hallier f. in Nov. Act. Acad. Nat. Cur. 70 (1898) 222, t. 12, f. 2.

Dutch Borneo, *Teysmann* 7923, 7918. Endemic.

16. **Hallieracantha maxima** (Valeton) comb. nov. *Ptyssiglottis maxima* Valeton in Ic. Bogor. 3 (1908) 125, t. 251, in Fedde Repert. 9 (1911) 304.

Dutch Borneo, *Jaheri*.

Var. **maculata** Valeton l.c.

Dutch Borneo, *Jaheri*. Endemic.

17. **Hallieracantha micropollinia** Stapf in Journ. Linn. Soc. Bot. 38 (1907) 15.

Sarawak, *Haviland* 1717. Endemic.

18. **Hallieracantha motleyi** Stapf in Journ. Linn. Soc. Bot. 38 (1907) 13.

Labuan, *Motley* 123, *Barber* 273; Sarawak, *Hose* 460! Endemic.

19. **Hallieracantha procrdifolia** (Hallier f.) Stapf in Journ. Linn. Soc. Bot. 38 (1907) 15. *Ptyssiglottis procrdifolia* Hallier f. in Nov. Act. Acad. Nat. Cur. 70 (1898) 223, t. 16, f. 1.

Dutch Borneo, *Hallier* 2512, *Teysmann* 11425. Endemic.

20. **Hallieracantha psychotriifolia** Stapf in Journ. Linn. Soc. Bot. 38 (1907) 14.

Sarawak, *Haviland* 576, *Hose* 760. Endemic.

21. **Hallieracantha salicifolia** Stapf in Journ. Linn. Soc. Bot. 38 (1907) 12.

Sarawak, *Haviland* 2032. Endemic.

1. **Peristrophe bivalvis** (Linn.) Merr. Interpret. Herb. Amb. (1917) 476. *Peristrophe tinctoria* Nees in Wall. Pl. As. Rar. 3 (1832) 113.

Sarawak, *Hose* 293!, 380!, *Native collector* 2661! *Bur. Sci.* Southern Asia, and Malaya, wild and cultivated.

1. **Hypoestes floribunda** R. Br. Prodr. (1810) 474; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 122.

British North Borneo, *Gibbs* 2619, *Yates* 33!, *Villamil* 218! Malay Archipelago to tropical Australia.

1. **Filetia** spp. Clarke ex King & Gamble in Journ. As. Soc. Beng. 74|2 (1907) 669.

Several undescribed species in Borneo, fide Clarke l.c.

1. **Clinacanthus nutans** (Burm. f.) Lindau in Engl. & Prantl Nat. Pflanzenfam. 4|3b (1895) 340. *Clinacanthus burmanni* Nees in DC. Prodr. 10 (1847) 511; Clarke ex King & Gamble in Journ. As. Soc. Beng. 74|2 (1907) 680.

Borneo, fide Clarke l.c. Siam to Hainan and the Malay Peninsula, Java and the Moluccas.

1. **Justicia gendarussa** Burm. f. Fl. Ind. (1768) 10; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 121.

British North Borneo, Gibbs 2608, Clemens 9655! India to Malaya.

1. **Dianthera bullata** N. E. Br. in Ill. Hort. (1886) 43, t. 589; Kew Bull. Add. Series 4 (1900) 156.

Introduced into cultivation from Borneo. Endemic.

Plantaginaceae.

1. **Plantago major** Linn. Sp. Pl. (1753) 112; Boerl. Handl. Fl. Nederl. Ind. 2|2 (1899) 719.

Borneo, fide Boerlage l.c. All warm countries, an introduced plant in Malaya.

Rubiaceae.

1. **Dentella repens** (Linn.) Forst. Char. Gen. (1776) 26, t. 13; Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 228.

Dutch Borneo, Korthals. Tropics of the Old World.

1. **Xanthophytum capitatum** Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 542.

Dutch Borneo, Winkler 2825! Endemic.

2. **Xanthophytum fruticosum** Blume Bijdr. (1826) 989; Valetton in Ic. Bogor. 4 (1912) 155, t. 347 (var. *borneense* Valetton). *Lerchea fruticulosa* Reinw. ex Blume l.c.; Korth. in Nederl. Kruidk. Arch. 2 (1851) 165.

Dutch Borneo, Korthals, Hallier 2583, Nieuwenhuis 195; Sarawak, Foxworthy 413!, Native collector 2024!, 2776!, 2779! Bur. Sci. Java, Philippines.

3. **Xanthophytum involucreatum** Merr. in Philip. Journ. Sci. 13 (1918) Bot. 121.

Sarawak, Native collector 2591! Bur. Sci. Endemic.

1. **Oldenlandia biflora** Linn. Sp. Pl. (1753) 119. *Oldenlandia paniculata* Linn. Sp. Pl. ed. 2 (1763) 1667. *Anotis blumeana* Korth. in Nederl. Kruidk. Arch. 2 (1951) 150. *Oldenlandia ramosissima* Miq. Fl. Ind. Bat. 2 (1857-59) 193. *Hedyotis ramosissima* Blume Bijdr. (1826) 974.

British North Borneo, *Clemens* 9548! India to Polynesia.

2. **Oldenlandia corymbosa** Linn. Sp. Pl. (1753) 119; Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 542.

Dutch Borneo, *Korthals*, *Winkler* 3413. Pantropic.

3. **Oldenlandia diffusa** Roxb. Fl. Ind. ed. 2, 1 (1832) 423; Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 542; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 92. *Oldenlandia brachypoda* DC. Prodr. 4 (1830) 424; Korth. in Nederl. Kruidk. Arch. 2 (1851) 152; Miq. Fl. Ind. Bat. 2 (1857-58) 158, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 227.

Dutch Borneo, *Korthals*, *Winkler* 2100; British North Borneo, *Gibbs* 2776, *Clemens* 9807!; Sarawak, *Hose* 345! India to Malaya.

4. **Oldenlandia erythraeoides** Miq. Fl. Ind. Bat. 2 (1857-59) 353; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 92.

British North Borneo, *Gibbs* 2950. Sumatra.

5. **Oldenlandia pumila** (Linn. f.) DC. Prodr. 4 (1830) 425; Korth. in Nederl. Kruidk. Arch. 2 (1851) 153; Miq. Fl. Ind. Bat. 2 (1857-59) 188.

Dutch Borneo, *Korthals*. India to Malaya.

6. **Oldenlandia recurva** (Korth.) Miq. Fl. Ind. Bat. 2 (1857-59) 195; Boerl. Handl. Fl. Nederl. Ind. 2|1 (1891) 126. *Dimetia recurva* Korth. in Nederl. Kruidk. Arch. 2 (1851) 154.

Dutch Borneo, *Korthals*. Endemic.

7. **Oldenlandia santubongensis** W. W. Sm. in Notes Bot. Gard. Edinb. 8 (1915) 324.

Sarawak, *Lobb*, *Hullett* 356, *Haviland*, *Ridley* 11759, *Hewitt* 12387, *Native collector* E285, D182 Edinb. Endemic.

8. **Oldenlandia subulata** Korth. in Nederl. Kruidk. Arch. 2 (1851) 153; Walp. Ann. 2 (1851) 772; Miq. Fl. Ind. Bat. 2 (1857-59) 188, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 227. *Oldenlandia horneriana* Miq. Fl. Ind. Bat. 2 (1857-59) 190.

Dutch Borneo, *Korthals*. Java, Sumatra.

9. **Oldenlandia trinervia** Retz. Obs. 4 (1786) 23; King in Journ. As. Soc. Beng. 72|2 (1903) 170.

Borneo, fide *King* l.c. Tropical Africa and Asia, Sumatra, Java.

1. **Hedyotis barbata** Korth. in Nederl. Kruidk. Arch. 2 (1851) 160; Walp. Ann. 2 (1851) 769; Miq. Fl. Ind. Bat. 2 (1857-59) 184, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 225.

Dutch Borneo, *Korthals*. Sumatra.

2. **Hedyotis borneensis** Miq. Fl. Ind. Bat. 2 (1857-59) 184. *Hedyotis capitata* Korth. in Nederl. Kruidk. Arch. 2 (1851) 159; Walp. Ann. 2 (1851) 769, non Lam.

Dutch Borneo, *Korthals*. Endemic.

3. **Hedyotis capitellata** Wall. Cat. (1829) No. 837.

Sarawak, *Sarawak Museum!*, *Native collector 566!*, *1223!*, *1729!*, *2016!* *Bur. Sci.*, *Hose 199!*, *280!*, *374!*, *435!* *Bur. Sci.!*; British North Borneo, *Clemens 10369!*, *10340!*, *9928!*, *10027!* Malay Peninsula and Archipelago.

4. **Hedyotis ciliolata** (Korth.) Walp. Ann. 2 (1851) 772. *Oldenlandia ciliolata* Korth. in Nederl. Kruidk. Arch. 2 (1851) 152; Miq. Fl. Ind. Bat. 2 (1857-59) 190. *Hedyotis barbata* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 226; Valetton in Engl. Bot. Jahrb. 44 (1910) 543, non *Korthals*.

Dutch Borneo, *Korthals*, *Winkler 2954*. Endemic.

5. **Hedyotis costata** (Roxb.) Kurz in Journ. As. Soc. Beng. 45|2 (1876) 135. *Spermacoce costata* Roxb. Fl. Ind. 1 (1820) 376. *Hedyotis vestita* R. Br. in Wall. Cat. (1829) No. 847; Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 544; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 89.

Dutch Borneo, *Winkler 2157*; British North Borneo, *Gibbs 2865*, *Clemens 9644!*, *9915!*; Sarawak, *Native collector 1899!*, *2518!* *Bur. Sci.* India to Malaya and the Philippines.

6. **Hedyotis havilandii** King in Journ. As. Soc. Beng. 72|2 (1903) 164.

Sarawak, *Haviland & Hose 3450*. Burma, Malay Peninsula.

7. **Hedyotis macrostegia** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 170, t. 12, f. C. 7-9; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 90.

British North Borneo, *Haviland 1120*, *Low*, *Gibbs 4187*, *Clemens 10566!*, *Haslam!* Endemic.

8. **Hedyotis macrostemon** Hook. & Arn. Bot. Beechy's Voy. (1841) 192; Valetton ex Hallier in Engl. Bot. Jahrb. 44 (1910) 545.

Dutch Borneo, *Winkler 3151*. Southern China.

9. **Hedyotis miqueliana** Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 545. *Hedyotis monocephala* Miq. Ann. Mus. Bot. Lugd.-Bat 4 (1868-69) 225, non R. Br. *Scleromitron capitatum* Miq. Fl. Ind. Bat. 2 (1857-59) 186.

Dutch Borneo, *Winkler*. Java.

10. **Hedyotis ovalis** (Korth.) Walp. Ann. 2 (1851) 769; Miq. Fl. Ind. Bat. 2 (1857-59) 180. *Diplophragma ovale* Korth. in Nederl. Kruidk. Arch. 2 (1851) 150.

Dutch Borneo, *Korthals*. Endemic.

11. **Hedyotis pinifolia** Wall. Cat. (1829) No. 850; Boerl. Handl. Fl. Nederl. Ind. 21 (1891) 125.

Borneo fide *Boerlage* l.c. India to Java and Sumatra.

12. **Hedyotis prostrata** (Blume) Korth. in Nederl. Kruidk. Arch. 2 (1851) 160; Miq. Fl. Ind. Bat. 2 (1857-59) 179; Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 544 (var. *robustior* Valetton).

Dutch Borneo, *Korthals*, *Winkler* 2332; Sarawak, *Native collector* 1258!, 2561! *Bur. Sci.* Java, Moluccas.

13. **Hedyotis protrusa** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 169, t. 12, f. A, 1-3; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 89.

British North Borneo, *Haviland* 1265, *Gibbs* 4066, *Clemens* 10899! Endemic.

14. **Hedyotis pulchella** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 169, t. 12, f. B, 4-6; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 89.

British North Borneo, *Haviland* 1122, *Gibbs* 4127, *Clemens* 10510!, 10711!, *Haslam*!

Var. **magnistipula** Wernh. ex Gibbs l.c.

British North Borneo, *Gibbs* 4047. Endemic.

15. **Hedyotis recurva** (Korth.) Walp. Ann. 2 (1851) 769. *Dimetia recurva* Korth. in Nederl. Kruidk. Arch. 2 (1851) 154.

Dutch Borneo, *Korthals*. Endemic.

16. **Hedyotis rigida** (Blume) Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 224; Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 544. *Metabolus rigidus* Blume Bijdr. (1826) 992. *Hedyotis carnosa* Korth. in Nederl. Kruidk. Arch. 2 (1851) 161; Walp. Ann. 2 (1851) 767; Miq. Fl. Ind. Bat. 2 (1857-59) 179. *Hedyotis congesta* R. Br. in Wall. Cat. (1829) No. 844; King in Journ. As. Soc. Beng. 72|2 (1903) 161.

Dutch Borneo, *Korthals*, *Winkler* 3099, 2333, 2370; Sarawak, *Hose* 341!, 550!, *Native collector* 786!, 1233!, 1922!, 2873! *Bur. Sci.*, *Foxworthy* 250!; British North Borneo, *Villamil* 260bis! 400! Malay Peninsula, Sumatra, Java, Philippines.

17. ***Hedyotis tenelliflora*** Blume Bijdr. (1826) 971. *Scleromitrium tetraquetrum* Miq. Fl. Ind. Bat. 2 (1857-59) 186. *Hedyotis angustifolia* Cham. & Schlecht.; Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 226; Boerl. Handl. Fl. Nederl. Ind. 2 (1891) 125.

Dutch Borneo, *Korthals*. Malay Peninsula and Archipelago to the Philippines.

18. ***Hedyotis tetragularis*** (Korth.) Walp. Ann. 2 (1851) 769; Valeton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 543. *Diplophragma tetragulare* Korth. in Nederl. Kruidk. Arch. 2 (1851) 149. *Hedyotis quadrangularis* Miq. Fl. Ind. Bat. 2 (1857-59) 180.

Dutch Borneo, *Korthals*, *Winkler* 2163, 2272!, 2403, 3394; British North Borneo, *Clemens* 9566!, 9745!, *Topping* 1922! Endemic.

19. ***Hedyotis venosa*** (Blume) Korth. in Nederl. Kruidk. Arch. 2 (1851) 160; Valeton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 543. *Metabolus venosus* Blume Bijdr. (1826) 991.

Dutch Borneo, *Winkler* 2367, 2720; Sarawak, *Native collector* 2105! *Bur. Sci.* Southern Asia and Malaya.

20. ***Hedyotis verticillata*** (Linn.) Merr. Interpret. Herb. Amb. (1917) 479. *Oldenlandia verticillata* Linn. Mant. 1 (1767) 40. *Hedyotis hispida* Retz. Obs. 4 (1786) 23; Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 225; Valeton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 543. *Scleromitrium hispidum* Korth. in Nederl. Kruidk. Arch. 2 (1851) 155; Miq. Fl. Ind. Bat. 2 (1857-59) 185.

Dutch Borneo, *Korthals*, *Winkler* 2954; Sarawak, *Native collector* 1217! *Bur. Sci.* India to Malaya and the Philippines.

1. ***Dichilanthe borneensis*** Baill. Hist. Pl. 7 (1880) 428, *nomen*; Becc. Nelle Foreste di Borneo (1902) 269 *nomen*.

Sarawak, *Beccari* 3431; Dutch Borneo, *Teysmann* 8331! Endemic.

1. ***Phyllocratera gibbsiae*** Wernh. ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 90, *fig.*

British North Borneo, *Gibbs* 4307, *Clemens* 10653! A monotypic endemic genus.

1. **Ophiorrhiza arenicola** Ridl. in Sarawak Mus. Journ. **1** (1912) 31.

Sarawak, *Ridley 12449*. Endemic.

2. **Ophiorrhiza axillaris** Ridl. in Sarawak Mus. Journ. **1** (1912) 30.

Sarawak, *Haviland 84, Hullett, Ridley*. Endemic.

3. **Ophiorrhiza communis** Ridl. in Journ. Str. Branch Roy. As. Soc. **61** (1912) 16.

Sarawak, fide *Ridley l.c.* Malay Peninsula.

4. **Ophiorrhiza ferruginea** Valetton ex Winkler in Engl. Bot. Jahrb. **44** (1910) 545.

Dutch Borneo, *Winkler 2716*. Endemic.

5. **Ophiorrhiza havilandii** Ridl. in Sarawak Mus. Journ. **1** (1912) 30.

Sarawak, *Haviland 57, 1709, Ridley 11758*. Endemic.

6. **Ophiorrhiza longifolia** Blume Bijdr. (1826) 977; Miq. Ann. Mus. Bot. Lugd.-Bat. **4** (1868-69) 230 (forma *borneensis* Miq.); Boerl. Handl. Fl. Nederl. Ind. **1|2** (1891) 126.

Borneo, fide *Miquel l.c.* Sumatra, Java.

7. **Ophiorrhiza reticulata** Ridl. in Sarawak Mus. Journ. **1** (1912) 31.

Sarawak, *Ridley 12364, 11756, Haviland 8495*. Endemic.

8. **Ophiorrhiza rubella** Korth. in Nederl. Kruidk. Arch. **2** (1851) 126; Walp. Ann. **2** (1851) 773; Miq. Fl. Ind. Bat. **2** (1857-59) 168; Valetton ex Winkler in Engl. Bot. Jahrb. **44** (1910) 546.

Dutch Borneo, *Winkler 3212a, 2715, Korthals*. Endemic.

9. **Ophiorrhiza stenophylla** Valetton ex Winkler in Engl. Bot. Jahrb. **48** (1912) 110.

Sarawak, *Beccari 976*. Endemic.

10. **Ophiorrhiza subserrulata** Valetton ex Winkler in Engl. Bot. Jahrb. **44** (1910) 547.

Dutch Borneo, *Korthals 3020*. Endemic.

11. **Ophiorrhiza winkleri** Valetton ex Winkler in Engl. Bot. Jahrb. **44** (1910) 546.

Dutch Borneo, *Winkler 2365*. Endemic.

1. **Jackia ornata** Wall. in Roxb. Fl. Ind. **2** (1824) 321; Miq. Fl. Ind. Bat. **2** (1857-59) 237, Ann. Mus. Bot. Lugd.-Bat. **4** (1868-69) 135; Valetton ex Winkler in Engl. Bot. Jahrb. **44** (1910) 547, **48** (1912) 111.

Dutch Borneo, *Korthals, Winkler 2455*; Sarawak, *Beccari 2706, Sarawak Museum!*, *Native collector 2493!* *Bur. Sci. Malay Peninsula, Sumatra, Billiton.*

1. **Argostemma boragineum** Blume, var. **rotundifolium** Valetton ex Winkler in *Engl. Bot. Jahrb.* 44 (1910) 548.

Dutch Borneo, *Winkler 2853*. Java, Sumatra, Malay Peninsula (*A. nutans* King).

2. **Argostemma brachyantherum** Stapf in *Trans. Linn. Soc. Bot.* 4 (1894) 168.

British North Borneo, *Haviland 1326*. Endemic.

3. **Argostemma gracile** Stapf in *Trans. Linn. Soc. Bot.* 4 (1894) 168, *t. 12, f. D, 10-12*; Ridl. in *Journ. Str. Branch Roy. As. Soc.* 33 (1900) 22.

British North Borneo, *Haviland 1325, Clemens 11076!*; Sarawak, *Shelford, Native collector 2899!* *Bur. Sci.* Endemic.

4. **Argostemma hallieri** Valetton in *Ic. Bogor.* 4 (1914) 267, *t. 387*.

Dutch Borneo, *Hallier 3228*. Endemic.

5. **Argostemma hameliaefolium** Wernh. ex Gibbs in *Journ. Linn. Soc. Bot.* 42 (1914) 89.

British North Borneo, *Gibbs 4101, Clemens 10190!, 10128!* Endemic.

6. **Argostemma havilandii** Ridl. in *Journ. Str. Branch Roy. As. Soc.* 61 (1912) 13.

Sarawak, *Haviland 2958*. Endemic.

7. **Argostemma humifusum** W. W. Sm. in *Notes Bot. Gard. Edinb.* 8 (1915) 317.

Sarawak, *Beccari 150, Native collector D131 Edinb.* Endemic.

8. **Argostemma kinabaluense** Wernh. ex Gibbs in *Journ. Linn. Soc. Bot.* 42 (1914) 88.

British North Borneo, *Gibbs 4056, Clemens 10981!, 10989!* Endemic.

9. **Argostemma lanceolatum** Valetton in *Ic. Bogor.* 4 (1914) 269, *t. 388*.

Dutch Borneo, *Teysmann 11291, 11292, Hallier 474, 594*; Sarawak, *Native collector 294!, 299!, 408!, 781!, 1020!, 2403!, 2875!* *Bur. Sci., Foxworthy 389!* Endemic.

10. **Argostemma ophirensense** Maingay ex Hook. f. *Fl. Brit. Ind.* 3 (1880) 45; King in *Journ. As. Soc. Beng.* 72|2 (1903) 153.

Borneo, fide King l.c. Malay Peninsula.

11. **Argostemma pauciflorum** Blume ex DC. Prodr. 4 (1830) 418; Korth. in Nederl. Kruidk. Arch. 2 (1851) 121.

Dutch Borneo, *Korthals*. Java.

12. **Argostemma salicifolium** Ridl. in Journ. Str. Branch Roy. As. Soc. 61 (1912) 14.

Sarawak, *Hullett, Ridley 11751*. Endemic.

13. **Argostemma sarawakense** W. W. Sm. in Notes Bot. Gard. Edinb. 8 (1915) 318.

Sarawak, *Haviland 689, 1613, 2958, Haviland & Hose 3408, Native collector 28, 85 Edinb.* Endemic.

14. **Argostemma streblsifolium** Valeton in Ic. Bogor. 4 (1914) 271, t. 389.

Borneo, fide *Valeton l.c.* Endemic.

1. **Neurocalyx borneensis** Valeton in Fedde Repert. 12 (1913) 514.

Dutch Borneo, *Teysmann, Hallier B499*. Endemic.

2. **Neurocalyx corallinus** Valeton op. cit. 513.

Sarawak, *Hewitt*. Endemic.

3. **Neurocalyx elatus** Valeton op. cit. 514.

Dutch Borneo, *Nieuwenhuis 1655*. Endemic.

4. **Neurocalyx matangensis** W. W. Sm. in Notes Bot. Gard. Edinb. 8 (1915) 323.

Sarawak, *Lobb, Beccari 1695, 2965, Haviland 677, 682, Haviland & Hose 3412, Ridley 11750, Native collector 104, 244 Edinb.* Endemic; probably the same as *Neurocalyx n. sp.* credited to Borneo by Boerlage, *Handl. Fl. Nederl. Ind. 2|1 (1891) 142*.

1. **Wendlandia paniculata** (Roxb.) DC. Prodr. 4 (1830) 411; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 168; Wernh. ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 88.

British North Borneo, *Haviland 1366, Gibbs 3020, Clemens 9911!, 11223!* India to Malaya.

1. **Coptosapelta flavescens** Korth. in Nederl. Kruidk. Arch. 2 (1851) 115; Miq. Fl. Ind. Bat. 2 (1857-59) 155; Walp. Ann. 2 (1851) 780.

Dutch Borneo, *Korthals*. Malay Peninsula, Sumatra, Java, Philippines.

2. **Coptosapelta parviflora** Ridl. in Journ. Str. Branch Roy. As. Soc. 79 (1918) 76.

Sarawak, *Beccari 2518!*

1. **Mussaendiopsis beccariana** Baill. *Adansonia* 12 (1879) 282; Stapf in Hook. Ic. IV 4 (1895) t. 2388.

Sarawak, *Beccari* 358, 1176, 2651. Malay Peninsula.

1. **Mitragyna speciosa** Korth. Obs. Naucl. Ind. (1839) 19; Havil. in Journ. Linn. Soc. Bot. 33 (1897) 69; Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 548. *Stephegyne speciosa* Korth. Verh. Nat. Gesch. Bot. (1839-42) 160, t. 35; Walp. Repert. 2 (1843) 513; 6 (1846) 71; Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 181. *Nauclea speciosa* Miq. Fl. Ind. Bat. 2 (1857-59) 140.

Dutch Borneo, *Korthals*, *Motley* 1169, *Winkler* 3141. Malay Peninsula, Sumatra, Philippines, New Guinea.

1. **Uncaria acida** (Hunter) Roxb. Fl. Ind. 2 (1824) 129; Korth. Verh. Nat. Gesch. Bot. (1839-42) 171; Miq. Fl. Ind. Bat. 2 (1857-59) 144, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 186; Havil. in Journ. Linn. Soc. Bot. 33 (1897) 79.

Dutch Borneo, *Korthals*; Sarawak, *Haviland* 913, 916, *Motley*, *Hose* 512!, *Native collector* 212!, 362!, 570!, 1016!, 1247! *Bur. Sci.*; British North Borneo, *Creagh*. Burma, Malay Peninsula, Sumatra, Java, Philippines.

2. **Uncaria attenuata** Korth. Verh. Nat. Gesch. Bot. (1839-42) 170; Havil. in Journ. Linn. Soc. Bot. 33 (1897) 83.

British North Borneo, *Creagh*; Dutch Borneo, *Teysmann* 11289. Burma, Malay Peninsula, Sumatra, Java.

3. **Uncaria borneensis** Havil. in Journ. Linn. Soc. Bot. 33 (1897) 84.

British North Borneo, *Creagh*. Endemic.

4. **Uncaria callophylla** Korth. Verh. Nat. Gesch. Bot. (1839-42) 170; Miq. Fl. Ind. Bat. 2 (1857-59) 144, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 185; Havil. in Journ. Linn. Soc. Bot. 33 (1897) 80. *Nauclea callophylla* Walp. Repert. 2 (1843) 513.

Dutch Borneo, *Korthals*. Endemic.

5. **Uncaria canescens** Korth. Verh. Nat. Gesch. Bot. (1839-42) 172; Havil. in Journ. Linn. Soc. Bot. 33 (1897) 80.

Labuan, *Lobb*. Malay Peninsula, Sumatra.

6. **Uncaria cordata** (Lour.) Merr. Interpret. Herb. Amb. (1917) 479. *Restiaria cordata* Lour. Fl. Cochinch. (1790) 639. *Uncaria pedicellata* Roxb. Fl. Ind. 2 (1824) 128; Korth. Verh. Nat. Gesch. Bot. (1839-42) 166; Miq. Fl. Ind. Bat. 2 (1857-59) 142, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 184; Havil. in Journ.

Linn. Soc. Bot. 33 (1897) 77; Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 548, 48 (1912) 111. *Uncaria grandifolia* Baker in Kew Bull. (1896) 23, quoad infl.

Dutch Borneo, *Winkler* 2477; Sarawak, *Beccari* 789, 428, *Haviland* 836, *Foxworthy* 470!, *Native collector* 221! *Bur. Sci.* India to New Guinea.

7. *Uncaria ferrea* DC. Prodr. 4 (1830) 348; Korth. Verh. Nat. Gesch. Bot. (1839-42) 173; Miq. Fl. Ind. Bat. 2 (1957-59) 150, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 185 (forma *borneensis*); Havil. in Journ. Linn. Soc. Bot. 33 (1897) 87; Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 548.

Dutch Borneo, *Korthals*, *Winkler* 2232, 3073; Sarawak, *Haviland*; British North Borneo, *Creagh*, *Burbidge*. Burma, Malay Peninsula, Sumatra, Java.

8. *Uncaria gambir* (Hunter) Roxb. Fl. Ind. 2 (1824) 126; Havil. in Journ. Linn. Soc. Bot. 33 (1897) 81; Becc. Nelle Foreste di Borneo (1902) 594.

Sarawak, *Beccari*, *Foxworthy* 461!, *Native collector* 213!, 793!, 1243!, 1740!, 1958!, 2476! *Bur. Sci.*; British North Borneo, *Creagh*. Malay Peninsula, Sumatra, Java.

9. *Uncaria glabrata* DC. Prodr. 4 (1830) 348; Havil. in Journ. Linn. Soc. Bot. 33 (1897) 85; Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 548.

Dutch Borneo, *Winkler* 2306; Sarawak, *Beccari* 29, 545, *Hullett* 291, *Haviland* 960, *Hoše* 473!, *Native collector* 433!, 1229!, 1593! *Bur. Sci.*; British North Borneo, *Creagh*. Malay Peninsula, Sumatra, Java.

10. *Uncaria insignis* DC. Prodr. 4 (1830) 348; Havil. in Journ. Linn. Soc. Bot. 33 (1897) 78; Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 548. *Uncaria hallii* Korth. Verh. Nat. Gesch. Bot. (1839-42) 165, t. 33; Miq. Fl. Ind. Bat. 2 (1857-59) 143, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 184. *Nauclea hallii* Walp. Repert. 2 (1843) 512.

Dutch Borneo, *Korthals*, *Winkler* 3074, *Motley* 859; British North Borneo, *Creagh*, *Clemens* 9870!, 11157! Philippines.

11. *Uncaria jasminiflora* Hook. f. Fl. Brit. Ind. 3 (1880) 32; Havil. in Journ. Linn. Soc. Bot. 33 (1897) 80.

Sarawak, *Haviland* 2825. Malay Peninsula.

12. *Uncaria ovata* Hook. f. Fl. Brit. Ind. 3 (1880) 29; Havil. in Journ. Linn. Soc. Bot. 33 (1897) 83.

Dutch Borneo, *Teysmann* 11288; British North Borneo, *Creagh*. Malay Peninsula.

13. *Uncaria pteropoda* Miq. Fl. Ind. Bat. 2 (1857-59) 343; Havil. in Journ. Linn. Soc. Bot. 33 (1897) 81.

Borneo, *Motley 1184, Barber 362*; Sarawak, *Native collector 463!*, *1769!* *Bur. Sci.* Malay Peninsula to New Guinea.

14. *Uncaria perrottetii* (A. Rich.) Merr. in Philip. Journ. Sci. 8 (1913) Bot. 60. *Uncaria hookeri* Vidal Phan. Cuming. Philip. (1885) 177; Havil. in Journ. Linn. Soc. Bot. 33 (1897) 86, t. 4, f. 13-18.

Sarawak, *Haviland 1561, Hose 368!*, 472; British North Borneo, *Clemens 10014!* Philippines.

15. *Uncaria roxburghiana* Korth. Verh. Nat. Gesch. Bot. (1839-42) 172; Miq. Fl. Ind. Bat. 2 (1857-59) 149, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 186. *Nauclea roxburghiana* Walp. Repert. 2 (1843) 513.

Dutch Borneo, *Korthals*. Sumatra, Malay Peninsula.

16. *Uncaria sclerophylla* (Hunter) Roxb. Fl. Ind. 2 (1824) 130; Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 184; Havil. in Journ. Linn. Soc. Bot. 33 (1897) 78. *Uncaria ferruginea* DC.; Korth. Verh. Nat. Gesch. Bot. (1839-42) 164; Miq. Fl. Ind. Bat. 2 (1857-59) 142.

Dutch Borneo, *Korthals, Motley 933*; Sarawak, *Native collector 1767!*, *2492!* *Bur. Sci.* Malay Peninsula, Banca, Sumatra, Java.

17. *Uncaria toppingii* Merr. in Journ. Str. Branch Roy. As. Soc. 76 (1917) 117.

British North Borneo, *Topping 1519!*, *Clemens 10129!* Endemic.

1. *Neonauclea angustifolia* (Havil.) Merr. in Journ. Wash. Acad. Sci. 5 (1915) 539. *Nauclea angustifolia* Havil. in Journ. Linn. Soc. Bot. 33 (1897) 55, t. 3, f. 1-7.

Sarawak, *Haviland 2150, Hose 316!* Endemic.

Nauclea rivularis Becc. Nelle Foreste di Borneo (1902) 524, f. 65, 6, a *nomen nudum* based on *Beccari 3827* from Sarawak is perhaps a synonym of *Neonauclea angustifolia*.

2. *Neonauclea calycina* (Bartl.) Merr. in Journ. Wash. Acad. Sci. 5 (1915) 539. *Nauclea purpurascens* Korth. Verh. Nat. Gesch. Bot. (1839-42) 158; Havil. in Journ. Linn. Soc. Bot. 33 (1897) 58.

Borneo, *Motley 526*. Malay Peninsula, Java, Celebes, Philippines.

3. *Neonauclea cyrtopoda* (Miq.) Merr. in Journ. Wash. Acad. Sci. 5 (1915) 539. *Nauclea cyrtopoda* Miq. Fl. Ind. Bat. 2 (1857-59) 342; Havil. in Journ. Linn. Soc. Bot. 33 (1897) 57.

Sarawak, *Low, Haviland*. Sumatra, Java.

4. *Neonauclea cyrtopodioides* (Wernh.) comb. nov. *Nauclea cyrtopodioides* Wernh. ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 87.

British North Borneo, *Gibbs 2758*. Endemic.

5. *Neonauclea gigantea* (Valeton) Merr. in Journ. Wash. Acad. Sci. 5 (1915) 540. *Nauclea gigantea* Valeton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 549.

Dutch Borneo, *Winkler 2533, 2924*. Endemic.

6. *Neonauclea peduncularis* (G. Don) Merr. in Journ. Wash. Acad. Sci. 5 (1915) 541. *Nauclea peduncularis* G. Don Gen. Syst. 3 (1834) 469; *Havil.* in Journ. Linn. Soc. Bot. 33 (1897) 57.

Sarawak, *Beccari 1890*. Malay Peninsula.

7. *Neonauclea strigosa* (Korth.) Merr. in Journ. Wash. Acad. Sci. 5 (1915) 542. *Nauclea strigosa* Korth. Verh. Nat. Gesch. Bot. (1839-42) 157; Walp. Repert. 2 (1843) 511; Miq. Fl. Ind. Bat. 2 (1857-59) 138; *Havil.* in Journ. Linn. Soc. Bot. 33 (1897) 53, t. 2, f. 1-9; Valeton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 549.

Borneo, *Low, Burbidge, Motley*; Sarawak, *Beccari 1500, Haviland 1560, Native collector 2620!*, 2588! *Bur. Sci.*; British North Borneo, *Fraser 260, Creagh*; Dutch Borneo, *Winkler 2697, 2909*. Palawan.

8. *Neonauclea synkorynes* (Korth.) Merr. in Journ. Wash. Acad. Sci. 5 (1915) 542. *Nauclea synkorynes* Korth. Verh. Nat. Gesch. Bot. (1839-42) 158; Walp. Repert. 2 (1843) 512; Miq. Fl. Ind. Bat. 2 (1857-59) 137; *Havil.* in Journ. Linn. Soc. Bot. 33 (1897) 60; Valeton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 549.

Dutch Borneo, *Winkler 2273!*, *Korthals 1*; Sarawak, *Beccari 1095, Haviland 1559, Hose 225!*, *Native collector 2771!* *Bur. Sci.* Indo-China, Malay Peninsula, Sumatra, Celebes.

1. *Nauclea hirsuta* (*Havil.*) Merr. in Journ. Wash. Acad. Sci. 5 (1915) 536. *Sarcocephalus hirsutus* *Havil.* in Journ. Linn. Soc. Bot. 33 (1897) 32.

Sarawak, *Haviland 1568, 3406*. Malay Peninsula.

2. *Nauclea junghuhnii* (Miq.) Merr. in Journ. Wash. Acad. Sci. 5 (1915) 536. *Sarcocephalus junghuhnii* Miq. Fl. Ind. Bat. 2 (1857-59) 133; *Havil.* in Journ. Linn. Soc. Bot. 33 (1897) 29.

Sarawak, *Beccari 890, 1430, 2683, 3200*. Malay Peninsula and Indo-China to Sumatra, Java, and the Philippines.

3. **Nauclea maingayi** Hook. f. Fl. Brit. Ind. 3 (1880) 27; Merr. in Journ. Wash. Acad. Sci. 5 (1915) 536. *Sarcocephalus maingayi* Havil. in Journ. Linn. Soc. Bot. 33 (1897) 33.

Sarawak, *Beccari* 681; Dutch Borneo, *Teysmann*. Malay Peninsula.

4. **Nauclea mitragyna** (Miq.) Merr. in Journ. Wash. Acad. Sci. 5 (1915) 536. *Sarcocephalus mitragynus* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 180; Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 550.

Dutch Borneo, *Winkler* 2524! Ceram, Amboina.

5. **Nauclea parva** (Havil.) Merr. in Journ. Wash. Acad. Sci. 5 (1915) 536. *Sarcocephalus parvus* Havil. in Journ. Linn. Soc. Bot. 33 (1897) 31.

Sarawak, *Haviland* 1519. Endemic.

6. **Nauclea pubescens** (Valetton) Merr. in Journ. Wash. Acad. Sci. 5 (1915) 537. *Sarcocephalus pubescens* Winkler in Engl. Bot. Jahrb. 44 (1910) 550.

Dutch Borneo, *Winkler* 2214. Endemic.

7. **Nauclea subdita** (Korth.) Merr. in Journ. Wash. Acad. Sci. 5 (1915) 537. *Platanocarpum subditum* Korth. Verh. Nat. Gesch. Bot. (1839-42) 153, t. 32. *Sarcocephalus subditus* Miq. Fl. Ind. Bat. 2 (1857-59) 134, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 180; Havil. in Journ. Linn. Soc. Bot. 33 (1897) 30.

Dutch Borneo, *Korthals*, *Motley* 677; Sarawak, *Haviland* 710, *Native collector* 2315!, 2545! *Bur. Sci.* Malay Peninsula, Sumatra, Java, New Guinea.

1. **Anthocephalus cadamba** (Roxb.) Miq. Fl. Ind. Bat. 2 (1857-59) 135. *Nauclea cadamba* Roxb. Fl. Ind. 2 (1824) 121. *Anthocephalus indicus* A. Rich. in Mém. Soc. Hist. Nat. Paris 5 (1834) 237; Havil. in Journ. Linn. Soc. Bot. 33 (1897) 22, t. 4, f. 38-43. *Anthocephalus morindaefolius* Korth. Verh. Nat. Gesch. Bot. (1839-42) 154, t. 48; Miq. Fl. Ind. Bat. 2 (1857-59) 135, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 180.

Dutch Borneo, *Korthals*. India to New Guinea.

2. **Anthocephalus macrophyllus** Havil. in Journ. Linn. Soc. Bot. 33 (1897) 23; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 87.

British North Borneo, *Gibbs* 2822. Amboina; also cultivated in the Calcutta Botanic Garden.

1. **Mussaenda acuminata** Blume Bijdr. (1826) 986; Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 189.

Dutch Borneo, *Korthals*. Java; perhaps a form of *M. frondosa* Linn. *sensu latiore*.

2. ***Mussaenda coccinea*** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 171.

British North Borneo, *Low, Haviland 1356, 1357, Clemens 10115!, 10188!*; Sarawak, *Foxworthy 439!* Endemic.

3. ***Mussaenda frondosa*** Linn. Sp. Pl. (1753) 177; Miq. Fl. Ind. Bat. 2 (1857-59) 212 (var. *glabra*); Wernh. ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 92. *Mussaenda glabra* Vahl, Symb. 3 (1794) 38; Korth. in Nederl. Kruidk. Arch. 2 (1851) 185; Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 189. *Mussaenda penangensis* Miq. Fl. Ind. Bat. 2 (1857-59) 214; Boerl. Handl. Fl. Nederl. Ind. 2|1 (1891) 127 (*penangiana*).

Dutch Borneo, *Korthals, De Vriese*; British North Borneo, *Haviland 1355, Gibbs 2929*. India to Malaya.

1. ***Acranthera abbreviata*** Valeton in Ic. Bogor. 4 (1913) 181, t. 355..

Dutch Borneo, *Hallier 2589*. Endemic.

2. ***Acranthera atropella*** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 173.

British North Borneo, *Low, Haviland 1237*. Endemic.

3. ***Acranthera axilliflora*** Valeton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 550.

Dutch Borneo, *Winkler 2821*. Endemic.

4. ***Acranthera capitata*** Valeton in Ic. Bogor. 4 (1914) 275, t. 391.

Dutch Borneo, *Amdjah 428, 429, 534, 456, 664*. Endemic.

5. ***Acranthera frutescens*** Valeton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 551.

Dutch Borneo, *Winkler 3032*. Endemic.

6. ***Acranthera hallieri*** Valeton in Ic. Bogor. 4 (1913) 183, t. 356.

Dutch Borneo, *Nieuwenhuis*. Endemic.

7. ***Acranthera hirtostipula*** Valeton in Ic. Bogor. 4 (1914) 277, t. 392.

Dutch Borneo, *Nieuwenhuis 874, 1002*. Endemic.

8. ***Acranthera involucrata*** Valeton in Ic. Bogor. 4 (1914) 279, t. 393.

Dutch Borneo, *Hallier 486, 650*; Sarawak, *Haviland & Hose 887, Hewitt R.52!* Endemic.

9. **Acranthera lanceolata** Valetton in Ic. Bogor. 4 (1914) 281, t. 394.

Dutch Borneo, *Nieuwenhuis* 206, 214, 30. Endemic.

10. **Acranthera maculata** Valetton in Ic. Bogor. 4 (1914) 283, t. 395.

Dutch Borneo, *Nieuwenhuis* 337, 362, 539, 585, 605, 1045, 1211, 1345, 1371. Endemic.

11. **Acranthera monantha** Valetton ex Winkler in Engl. Bot. Jahrb. 48 (1912) 111.

Borneo, *Beccari* 3154. Endemic.

12. **Acranthera multiflora** Valetton in Ic. Bogor. 4 (1914) 285, t. 396.

Dutch Borneo, *Nieuwenhuis* 1118; Sarawak, *Native collector* 740! *Bur. Sci.* Endemic.

13. **Acranthera ophiorrhizoides** Valetton in Ic. Bogor. 4 (1914) 287, t. 397.

Dutch Borneo, *Amdjah*. Endemic.

14. **Acranthera parviflora** Valetton in Ic. Bogor. 4 (1914) 289, t. 398.

Dutch Borneo, *Hallier* 3247, 2817. Endemic.

15. **Acranthera strigosa** Valetton in Ic. Bogor. 4 (1914) 291, t. 399.

Dutch Borneo, *Nieuwenhuis* 660, 1330. Endemic.

1. **Lucinaea membranacea** King in Journ. As. Soc. Beng. 72|2 (1903) 178.

Borneo, fide *King* in l.c. Malay Peninsula.

2. **Lucinaea montana** Korth. in Nederl. Kruidk. Arch. 2 (1851) 167; Walp. Ann. 2 (1851) 791; Miq. Fl. Ind. Bat. 2 (1857-59) 198, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 187; Ridl. in Journ. Str. Branch Roy. As. Soc. 63 (1912) 60; Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 552.

Dutch Borneo, *Korthals*, *Winkler* 3267. Endemic.

3. **Lucinaea parvifolia** W. W. Sm. in Notes Bot. Gard. Edinb. 8 (1915) 323.

Sarawak, *Haviland* 678, *Native collector* 136 *Edinb.* Endemic.

4. **Lucinaea polysperma** (Jack) K. Schum. in Engl. & Prantl Nat. Pflanzenfam. 44 (1891) 64. *Morinda polysperma* Jack in Malay Miscel. 15 (1820) 14. *Lucinaea morinda* DC. Prodr. 4 (1830) 368; Miq. Fl. Ind. Bat. 2 (1857-59) 198. *Lucinaea korthalsiana* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 187.

Dutch Borneo, *Korthals*. Sumatra, Malay Peninsula.

5. **Lucinaea nervulosa** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 174.

British North Borneo, *Haviland* 1239. Endemic.

6. **Lucinaea pentacme** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 174.

British North Borneo, *Haviland* 1238, *Clemens* 10802! Endemic.

7. **Lucinaea rheedii** Korth. in Nederl. Kruidk. Arch. 2 (1851) 167; Walp. Ann. 2 (1851) 791; Miq. Fl. Ind. Bat. 2 (1857-59) 198.

Dutch Borneo, *Korthals*. Endemic.

8. **Lucinaea ridleyi** King in Journ. As. Soc. Beng. 72|2 (1903) 178.

Sarawak, *Beccari* 3505. Malay Peninsula.

1. **Coptophyllum bracteatum** Korth. in Nederl. Kruidk. Arch. 2 (1851) 162; Boerl. Handl. Fl. Nederl. 2|1 (1891) 128.

Borneo, fide *Boerlage* l.c. Sumatra.

1. **Campanocalyx winkleri** Valeton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 554, f. 1.

Dutch Borneo, *Winkler* 2838. A monotypic endemic genus.

1. **Myrioneuron borneense** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 175.

British North Borneo, *Haviland* 1332. Endemic.

2. **Myrioneuron cyaneum** Hallier f. in Ann. Jard. Bot. Buitenz. 13 (1896) 325, t. 13, f. 1, Bull. Herb. Boiss. 6 (1898) 218.

Dutch Borneo, *Hallier*. Endemic.

3. **Myrioneuron ? pubescens** Valeton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 553.

Dutch Borneo, *Winkler* 2744, 2824. Endemic.

1. **Mycetia fasciculata** (Blume) Korth. in Nederl. Kruidk. Arch. 2 (1851) 118; Valeton in Ic. Bogor. 3 (1908) t. 282. *Adenosacme fasciculata* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 239.

Dutch Borneo, *Korthals*. Java.

2. **Mycetia javanica** (Blume) Korth. in Nederl. Kruidk. Arch. 2 (1851) 118; Valeton in Ic. Bogor. 3 (1908) t. 270. *Bertiera javanica* Blume Bijdr. (1826) 987. *Adenosacme*

longifolia Wall. Cat. (1832) No. 6280; Miq. Fl. Ind. Bat. 2 (1857-59) 217.

Sarawak, *Native collector 2034!* *Bur. Sci.*

Var. **anthotricha** Valetton in Ic. Bogor. 3 (1908) 185.

Dutch Borneo, *Korthals*.

Var. **minor** Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 554.

Dutch Borneo, *Winkler 2732!* Malay Peninsula to the Philippines and New Guinea.

3. **Mycetia lateriflora** (Blume) Korth. in Nederl. Kruidk. Arch. 2 (1851) 118; Valetton in Ic. Bogor. 3 (1908) t. 281. *Bertiera lateriflora* Blume Bijdr. (1826) 987. *Mycetia cauliflora* Reinw. in Syll. Ratisb. 2 (1828) 9. *Adenosacme cauliflora* Miq. Fl. Ind. Bat. 2 (1857-59) 215, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 239.

Dutch Borneo, *Korthals*. Sumatra, Java.

1. **Urophyllum borneense** Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 238; Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 556.

Dutch Borneo, *De Vriese, Winkler 2111*. Endemic.

2. **Urophyllum cyphandrum** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 176.

British North Borneo, *Haviland 1123, 1124*. Endemic.

3. **Urophyllum elongatum** (Korth.) Miq. Fl. Ind. Bat. 2 (1857-59) 225, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 132. *Axanthopsis elongata* Korth. in Nederl. Kruidk. Arch. 2 (1851) 195; Walp. Ann. 2 (1851) 768.

Dutch Borneo, *Korthals*. Endemic.

4. **Urophyllum glabrum** Jack in Roxb. Fl. Ind. 2 (1824) 186; Miq. Fl. Ind. Bat. 2 (1857-59) 223; Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 556.

Dutch Borneo, *Winkler 2218a, 2303!, 2320!*; British North Borneo, *Villamil 248!, Clemens 9853!, 9942!*; Sarawak, *Hose 599!, Sarawak Museum!, Native collector 283!, 790!, 1662!* *Bur. Sci.* Malay Peninsula, Banca, Sumatra, Java, Philippines.

5. **Urophyllum lineatum** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 177; Wernh. ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 92.

British North Borneo, *Haviland 1266, Gibbs 4046, Clemens 10905!, 10985!* Endemic.

6. **Urophyllum longidens** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 178.

British North Borneo, *Haviland 1120, Clemens 10710!* Endemic.

7. **Urophyllum macrophyllum** Korth. in Nederl. Kruidk. Arch. 2 (1851) 194; Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 238, var. **korthalsii** Miq. l.c. *Urophyllum korthalsii* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 133.

Dutch Borneo, *Korthals*. Java (the species).

8. **Urophyllum nigricans** Wernh. ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 92,

British North Borneo, *Gibbs 4115, 4112; Sarawak, Beccari 1669, Ridley 12279*. Endemic.

9. **Urophyllum polyneurum** Miq. Ann. Bot. Lugd.-Bat. 4 (1868-69) 239.

Dutch Borneo, *Korthals*. Endemic.

10. **Urophyllum salicifolium** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 177.

British North Borneo, *Haviland 1231*. Endemic.

11. **Urophyllum streptopodium** Wall. Cat. (1848) No. 8317; Wernh. ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 92.

British North Borneo, *Gibbs 3975*. Malay Peninsula.

12. **Urophyllum strigosum** (Blume) Korth. in Nederl. Kruidk. Arch. 2 (1851) 194; Miq. Fl. Ind. Bat. 2 (1857-59) 223. *Axanthes strigosa* Blume Bijdr. (1826) 1003.

Dutch Borneo, *Korthals*. Sumatra, Java.

13. **Urophyllum subanurum** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 175.

British North Borneo, *Haviland 1074*. Endemic.

1. **Lecananthus erubescens** Jack in Malay Miscel. 2|7 (1822) 83; Korth. in Nederl. Kruidk. Arch. 2 (1851) 168; Miq. Fl. Ind. Bat. 2 (1857-59) 199; King in Journ. As. Soc. Beng. 72|2 (1903) 179.

Dutch Borneo, *Korthals; Sarawak, Hose 206!, 387!, 587! 2431!, Native collector 235!, 1021!, 1228! Bur. Sci.* Malay Peninsula, Sumatra.

2. **Lecananthus fuscescens** Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 552.

Dutch Borneo, *Winkler 3269*. Endemic.

1. **Praravinia densiflora** Korth. Verh. Nat. Gesch. Bot. (1839-42) 190, t. 41, Flora 31: 580; Walp. Ann. 2 (1851) 766; Miq. Fl. Ind. Bat. 2 (1857-59) 225; Koord. in Nat. Tijdschr. Nederl. Ind. 53 (1904) 73.

Dutch Borneo, *Korthals*. Endemic.

1. **Tarena borneensis** Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 557.

Dutch Borneo, *Winkler 2717*. Endemic.

2. **Tarena coriacea** (Korth.) comb. nov. *Stylocoryne coriacea* Korth. in Nederl. Kruidk. Arch. 2 (1851) 175; Walp. Ann. 2 (1850-51) 793; Miq. Fl. Ind. Bat. 2 (1857-59) 203. *Webera coriacea* Boerl. Handl. Fl. Nederl. Ind. 21 (1891) 121.

Dutch Borneo, *Korthals*. Endemic.

3. **Tarena fragrans** (Blume) Koord. & Valetton in Meded. Lands Plant. 59 (1902) 77; Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 557. *Stylocoryna fragrans* Blume Bijdr. (1826) 982; Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 189 (var. *borneensis* Miq.) *Webera fragrans* Hook. f. Fl. Brit. Ind. 3 (1880) 103; Boerl. Handl. Fl. Nederl. Ind. 21 (1891) 129. *Stylocoryna laxiflora* Blume Bijdr. (1826) 983; Korth. in Nederl. Kruidk. Arch. 2 (1851) 175; Miq. Fl. Ind. Bat. 2 (1857-59) 203, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 130.

Dutch Borneo, *Korthals*.

Var. **parvifolia** Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 557.

Dutch Borneo, *Winkler 3153!*; Sarawak, *Foxworthy 22!*, 297!, *Hose 85!*, 226!, *Native collector 205!*, 218!, 287!, 302!, 430!, 565!, 1249!, 1623!, 1791!, 1861!, 1985! *Bur. Sci.* Malay Peninsula and Archipelago.

4. **Tarena gibbsiae** Wernh. ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 93.

British North Borneo, *Gibbs 4106*. Endemic.

5. **Tarena winkleri** Valetton ex Winkler in Engl. Bot. Jahrb. 48 (1912) 112, Ic. Bogor. 4 (1912) 147, t. 345. *Tarena mollis* Valetton op. cit. 44 (1910) 558, non *Stylocoryne mollis* Wall.

Dutch Borneo, *Nieuwenhuis 690*, *Teysmann*, *Hallier 1440*, *Winkler 2315!*, Sarawak, *Beccari 193*, *Hewitt!*, *Haviland & Hose*, *Foxworthy 355!*, *Native collector 245!*, 568! *Bur. Sci.* Endemic.

1. **Randia abnormis** (Korth.) Boerl. Handl. Fl. Nederl. Ind. 21 (1891) 130. *Gynopachys abnormis* Korth. in Nederl. Kruidk. Arch. 2 (1851) 182.

Dutch Borneo, *Korthals*. Endemic.

2. **Randia auriculata** (Wall.) K. Schum. in Engl. & Prantl Nat. Pflanzenfam. 4|4 (1891) 75. *Webera auriculata* Wall. in Roxb. Fl. Ind. 2 (1824) 537. *Anomanthodia auriculata* Hook. f. Fl. Brit. Ind. 3 (1880) 108; Boerl. Handl. Fl. Nederl. Ind. 2|1 (1891) 130. *Gynopachys corymbosa* Blume Cat. Gew. Buitenz. (1823) 48; Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 262, non *Randia corymbosa* W. & A. *Randia corymbosa* Boerl. Handl. Fl. Nederl. Ind. 2|1 (1891) 130; Valeton in Ic. Bogor. 2 (1904) 183, t. 145.

Sarawak, *Hose* 363!, *Sarawak Museum*!; Dutch Borneo, *Korthals*. Malay Peninsula and Archipelago to the Philippines.

3. **Randia beccariana** Baill. in *Adansonia* 12 (1876-79) 246. Sarawak, *Beccari* 778, 3594. Endemic.

4. **Randia boerlagei** Valeton in Ic. Bogor. 3 (1907) 115, t. 247. *Gynopachys acuminata* Blume Cat. Gew. Buitenz. (1823) 48; Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 261. *Randia acuminata* Boerl. Handl. Fl. Nederl. Ind. 2|1 (1891) 130, non Benth.

Borneo, fide *Boerlage* l.c. Java, Sumatra?

5. **Randia dilleniacea** Baill. in *Adansonia* 12 (1876-79) 245. Sarawak, *Beccari* 398. Endemic.

6. **Randia grandis** (Korth.) Valeton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 559. *Gardenia grandis* Korth. in Nederl. Kruidk. Arch. 2 (1851) 191.

Dutch Borneo, *Winkler* 3273, *Korthals*. Endemic.

7. **Randia impressinervis** King & Gamble in Journ. As. Soc. Beng. 72|2 (1903) 206.

Sarawak, *Haviland* 1895, 2969. Malay Peninsula.

8. **Randia jambosoides** Valeton in Ic. Bogor. 4 (1912) 135, t. 342.

Dutch Borneo, *Teysmann*, *Nieuwenhuis* 842; Sarawak, *Beccari* 778, *Native collector* 208! *Bur. Sci.* Endemic.

9. **Randia korthalsii** nom. nov. *Griffithia acuminata* Korth. in Nederl. Kruidk. Arch. 2 (1851) 178; Walp. Ann. 2 (1851) 794; Miq. Fl. Ind. Bat. 2 (1857-59) 209. *Randia acuminata* Boerl. Handl. Fl. Nederl. Ind. 2|1 (1891) 131, nec Boerl. op. cit. 130, nec Benth.

Dutch Borneo, *Korthals*. Endemic.

10. **Randia kuchingensis** W. W. Sm. in Notes Bot. Gard. Edinb. 8 (1915) 326.

Sarawak, *Haviland* 676, *Haviland & Hose*, *Native collector* 74, C226 *Edinb.* Endemic.

11. *Randia longiflora* Lam. *Encycl.* 3 (1789) 26; *Valeton in Ic. Bogor.* 3 (1907) 117, t. 248, *Winkler in Engl. Bot. Jahrb.* 44 (1910) 559. *Griffithia eucantha* Korth. in *Nederl. Kruidk. Arch.* 2 (1851) 178; *Walp. Ann.* 2 (1851) 794; *Miq. Fl. Ind. Bat.* 2 (1857-59) 209, ex descr. *Randia euacantha* Boerl. *Handl. Fl. Nederl. Ind.* 2|1 (1891) 131.

Dutch Borneo, *Winkler* 3083; Sarawak, *Hose* 305!, *Native collector* 215!, 2297! *Bur. Sci.* Malay Peninsula, Java.

12. *Randia patula* *Miq. Ann. Mus. Bot. Lugd.-Bat.* 4 (1868-69) 235.

British North Borneo, *Clemens* 11265!, 9674!, 9661!; Labuan, *Merrill!* Java.

13. *Randia racemosa* (Cav.) F.-Vill. *Novis. App.* (1880) 108. *Randia densiflora* Benth. *Fl. Hongk.* (1861) 155; *Stapf in Trans. Linn. Soc. Bot.* 4 (1894) 178; *Gibbs in Journ. Linn. Soc. Bot.* 42 (1914) 94.

British North Borneo, *Haviland* 1380, *Gibbs* 4290, *Yates* 38! *Clemens* 9863!, 9462!; Sarawak, *Hose* 125, *Native collector* 2786! *Bur. Sci.* India to China, through Malaya to tropical Australia.

14. *Randia scortechinii* *King & Gamble in Journ. As. Soc. Beng.* 72|2 (1903) 210.

Sarawak, *Beccari* 2599, *Haviland* 84, 697, 2161. Malay Peninsula.

15. *Randia spinosa* (Thunb.) *Poir. in Lam. Encycl. Suppl.* 2 (1812) 829. *Randia dumetorum* Lam. *Ill.* 2 (1797) 227. *Randia malabarica* Boerl. *Handl. Fl. Nederl. Ind.* 2|1 (1891) 130?, non Lam. *Griffithia fragrans* *Miq. Ann. Mus. Bot. Lugd.-Bat.* 4 (1868-69) 130?, non W. & A.

British North Borneo, *Villamil* 207! India to southern China and Malaya.

1. *Gardenia acuminata* Korth. in *Nederl. Kruidk. Arch.* 2 (1851) 192; *Walp. Ann.* 2 (1851) 796; *Miq. Fl. Ind. Bat.* 2 (1857-59) 231.

Dutch Borneo, *Korthals.* Endemic.

2. *Gardenia affinis* *Valeton ex Winkler in Engl. Bot. Jahrb.* 48 (1912) 115.

Dutch Borneo, *Teysmann* 19306, *Hallier* 1083, 2337, 2448. Endemic.

3. **Gardenia augusta** (Linn.) Merr. Interpret. Herb. Amb. (1917) 485. *Gardenia florida* Linn. Sp. Pl. ed. 2 (1762) 305; Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 235.

Dutch Borneo, *Korthals*. A native of southern China, now widely cultivated for ornamental purposes.

4. **Gardenia anisophylla** Jack in Roxb. Fl. Ind. 2 (1824) 561.

Dutch Borneo, *De Vriese*.

Var. **macroptera** (Miq.) Valetton in Engl. Bot. Jahrb. 48 (1912) 114. *Gardenia macroptera* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 236.

Dutch Borneo, *De Vriese*, *Nieuwenhuis*.

Var. **polyneura** Valetton ex Winkler l.c.

Dutch Borneo, *Hallier* 2881.

Var. **subsessilis** Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 558, 48 (1912) 113. *Randia beccarii* King & Gamble in Journ. As. Soc. Beng. 72|2 (1903) 210, *nomen*.

Sarawak, *Beccari* 760, *Haviland* 3420; *Native collector* 303!, 2426!, 2800! *Bur. Sci.* Dutch Borneo, *Winkler* 2563, 3339. Malay Peninsula, Sumatra.

5. **Gardenia campanulata** Roxb. Fl. Ind. 2 (1824) 556. *Gardenia blumeana* DC. Prodr. 4 (1830) 383; Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 235.

Dutch Borneo, *Korthals*. India to Java.

6. **Gardenia elata** Ridl. in Journ. Str. Branch Roy. As. Soc. 79 (1918) 81.

Sarawak, *Hose* 229.

7. **Gardenia grandis** Korth. in Nederl. Kruidk. Arch. 2 (1851) 191; Walp. Ann. 2 (1851) 796; Miq. Fl. Ind. Bat. 2 (1857-59) 231, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 236.

Dutch Borneo, *Korthals*. Endemic.

8. **Gardenia merrillii** Elm. Leafl. Philip. Bot. 1 (1906) 5; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 94.

British North Borneo, *Gibbs* 4340, *Foxworthy* 600!, *Topping* 1911! Philippines.

9. **Gardenia pterocalyx** Valetton in Ic. Bogor. 4 (1912) 128, t. 339.

Dutch Borneo, *Teysmann* 8267, 8333, *Hallier* 1416! Sumatra.

10. **Gardenia racemulosa** Korth. in Nederl. Kruidk. Arch. 2 (1851) 192; Walp. Ann. 2 (1851) 797; Miq. Fl. Ind. Bat. 2 (1857-59) 232.

Dutch Borneo, *Korthals*. Endemic.

11. **Gardenia tentaculata** Hook. f. *Fl. Brit. Ind.* 3 (1880) 119; King in *Journ. As. Soc. Beng.* 72|2 (1903) 217; Valeton ex Winkler in *Engl. Bot. Jahrb.* 44 (1909) 558.

Sarawak, *Beccari*, *Haviland* 2967; Dutch Borneo, *Motley* 934, *Winkler* 2233. Malay Peninsula.

12. **Gardenia tubifera** Wall. in *Roxb. Fl. Ind.* 2 (1824) 562; Valeton ex Winkler in *Engl. Bot. Jahrb.* 48 (1912) 112. *Gardenia resinifera* Korth. in *Nederl. Kruidk. Arch.* 2 (1851) 191; Walp. *Ann.* 2 (1851) 796; Miq. *Fl. Ind. Bat.* 2 (1857-59) 231.

Dutch Borneo, *Korthals*, *Winkler* 3250, *Hallier* 1257!, 1285!; Sarawak, *Curtis*, *Motley* 341, *Beccari* 3250, *Hose* 506!, *Native collector* 214! *Bur. Sci.* Siam, Malay Peninsula, Sumatra, Java.

1. **Petunga coniocarpa** Korth. in *Nederl. Kruidk. Arch.* 2 (1851) 173; Walp. *Ann.* 2 (1851) 792; Miq. *Fl. Ind. Bat.* 2 (1857-59) 202, *Ann. Mus. Bot. Lugd.-Bat.* 4 (1868-69) 131; Valeton ex Winkler in *Engl. Bot. Jahrb.* 44 (1910) 560.

Dutch Borneo, *Korthals*, *Winkler* 2577; 2257. Endemic.

2. **Petunga gracilis** Korth. in *Nederl. Kruidk. Arch.* 2 (1851) 171; Walp. *Ann.* 2 (1851) 792; Miq. *Fl. Ind. Bat.* 2 (1857-59) 201, *Ann. Mus. Bot. Lugd.-Bat.* 4 (1868-69) 131.

Dutch Borneo, *Korthals*. Endemic.

3. **Petunga lanceolata** Korth. in *Nederl. Kruidk. Arch.* 2 (1851) 171; Walp. *Ann.* 2 (1851) 792; Miq. *Fl. Ind. Bat.* 2 (1857-59) 201; Valeton ex Winkler in *Engl. Bot. Jahrb.* 44 (1910) 560.

Dutch Borneo, *Winkler* 2936, 2937, 2538. Endemic.

4. **Petunga microcarpa** (Blume) DC. *Prodr.* 4 (1830) 399. *Higginsia microcarpa* Blume *Bijdr.* (1826) 988. *Petunga longifolia* DC. *Prodr.* 4 (1830) 399; Korth. in *Nederl. Kruidk. Arch.* 2 (1851) 171.

Dutch Borneo, *Korthals*. Malay Peninsula, Sumatra, Java.

5. **Petunga racemosa** (Roxb.) K. Schum. in *Engl. & Prantl Nat. Pflanzenfam.* 4|4 (1891) 80. *Petunga roxburghii* DC. *Prodr.* 4 (1830) 399; Boerl. *Handl. Fl. Nederl. Ind.* 2|1 (1891) 132. *Petunga variabilis* Hassk. *Cat. Hort. Bogor.* (1858) 114; Miq. *Fl. Ind. Bat.* 2 (1857-59) 201.

Dutch Borneo, *Korthals*; Sarawak, *Foxworthy* 298! India to Sumatra, and Java, and Palawan.

6. **Petunga salicina** Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 132; Valeton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 560. *Petunga salicifolia* Boerl. Handl. Fl. Nederl. Ind. 2|1 (1891) 132.

Dutch Borneo, *Korthals*, *Winkler* 3154. Endemic.

1. **Cowiea borneensis** Wernham ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 97.

British North Borneo, *Gibbs* 2790, 2795, *Yates* 31!, *Villamil* 396! A monotypic endemic genus.

1. **Scyphiphora hydrophyllacea** Gaertn. Fruct. 3 (1805-07) 91, t. 196.

Sarawak, *Foxworthy* 290!, *Native collector* 1024!, 2284! *Bur. Sci.*; British North Borneo, *Foxworthy* 627! Along the seashore, India to tropical Australia and New Caledonia.

1. **Diplospora abnormis** (Korth.) Valeton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 560. *Gynopachys abnormis* Korth. in Nederl. Kruidk. Arch. 2 (1851) 182; Walp. Ann. 2 (1851) 798; Miq. Fl. Ind. Bat. 2 (1857-59) 222, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 134. *Diplospora singularis* Korth. in Nederl. Kruidk. Arch. 2 (1851) 182; Walp. Ann. 2 (1850-51); Miq. Fl. Ind. Bat. 2 (1857-59) 238, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 250. *Randia abnormis* Boerl. Handl. Fl. Nederl. Ind. 2|1 (1891) 130.

Dutch Borneo, *Korthals*, *Winkler* 2413!, *Villamil* 374! Tropical Asia to Malaya.

2. **Diplospora beccariana** King & Gamble in Journ. As. Soc. Beng. 72|2 (1903) 225.

Sarawak, *Beccari* 300, 2062. Malay Peninsula.

3. **Diplospora cuspidata** Valeton ex Winkler in Engl. Bot. Jahrb. 48 (1912) 116.

Borneo, *Beccari*. Endemic.

1. **Knoxia corymbosa** Willd. Sp. Pl. 1 (1798) 582; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 94.

British North Borneo, *Gibbs* 2764. India to tropical Australia.

2. **Knoxia lineata** (Blume) DC. Prodr. 4 (1830) 570; Miq. Fl. Ind. Bat. 2 (1857-59) 330. *Spermacoce lineata* Blume Bijdr. (1826) 947. *Knoxia stricta* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 260; Valeton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 561.

Dutch Borneo, *Korthals*, *Winkler* 3111. Endemic?

1. **Plectronia approximata** (Korth.) comb. nov. *Canthium approximatum* Korth. in Nederl. Kruidk. Arch. 2 (1851) 234;

Walp. Ann. 2 (1851) 753; Miq. Fl. Ind. Bat. 2 (1857-59) 252, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 252.

Dutch Borneo, *Korthals*. Endemic.

2. **Plectronia conferta** (Korth.) comb. nov. *Canthium confertum* Korth. in Nederl. Kruidk. Arch. 2 (1851) 235; Walp. Ann. 2 (1851) 757; Miq. Fl. Ind. Bat. 2 (1857-59) 254, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 253; Boerl. Handl. Fl. Nederl. Ind. 2|1 (1891) 134.

Dutch Borneo, *Korthals*; Sarawak, *Native collector 2461!* *Bur. Sci.* Malay Peninsula, Banca, Penang.

3. **Plectronia didyma** (Gaertn.) Kurz in Journ. As. Soc. Beng. 46|2 (1877) 153. *Canthium fasciculatum* Blume Bijdr. (1826) 967; Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 253; Boerl. Handl. Fl. Nederl. Ind. 2|1 (1891) 134.

Dutch Borneo, *Korthals*; Sarawak, *Foxworthy 300!* India to Malaya and the Philippines.

4. **Plectronia glabra** (Blume) Kurz in Journ. As. Soc. Beng. 46|2 (1877) 153. *Canthium glabrum* Blume Bijdr. (1826) 967; Korth. in Nederl. Kruidk. Arch. 2 (1851) 234; Miq. Fl. Ind. Bat. 2 (1857-59) 254.

Dutch Borneo, *Korthals*. Burma to Sumatra and Java.

5. **Plectronia horrida** (Blume) Kurz in Journ. As. Soc. Beng. 46|2 (1877) 153; K. Schum. in Engl. & Prantl Nat. Pflanzenfam. 4|4 (1891) 92; Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 561; Hallier f. in Beihefte Bot. Centralbl. 34|2 (1916) 45. *Canthium horridum* Blume Bijdr. (1826) 966; Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 251 (var. *xanthocaulon* Miq.).

Dutch Borneo, *Korthals*, *Winkler 2589, 3167, 3407.* Burma to Malaya and the Philippines.

6. **Plectronia korthalsii** K. Schum. in Engl. & Prantl Nat. Pflanzenfam. 4|4 (1891) 92. *Canthium umbellatum* Korth. in Nederl. Kruidk. Arch. 2 (1851) 235; Walp. Ann. 2 (1851) 757; Miq. Fl. Ind. Bat. 2 (1857-59) 252, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 253.

Dutch Borneo, *Korthals*. Endemic.

7. **Plectronia scandens** (Blume) Koord. & Valetton in Meded. Lands Plantent. 49 (1902) 140. *Canthium scandens* Blume Bijdr. (1826) 966; Korth. in Nederl. Kruidk. Arch. 2 (1851) 235; Miq. Fl. Ind. Bat. 2 (1857-59) 255, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 251.

Dutch Borneo, *Korthals*. Java.

8. **Plectronia umbelligera** (Miq.) Valeton in Nova Guinea 8 (1911) 477. *Canthium umbelligerum* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 252.

Dutch Borneo, *Korthals*. Moluccas, New Guinea.

1. **Guettarda speciosa** Linn. Sp. Pl. (1753) 991.

Sarawak, *Foxworthy 266!*, *Native collector 2374!* *Bur. Sci.* Along the seashore, tropical Asia to Polynesia.

1. **Timonius billitonensis** Valeton in Bull. Dépt. Agr. Ind. Néerl. 26 (1909) 59.

Dutch Borneo, *Hallier 2444, 1278!*; Sarawak, *Native collector 2463!* Billiton.

2. **Timonius borneensis** Valeton in Bull. Dépt. Agr. Ind. Néerl. 26 (1909) 48.

Dutch Borneo, *Teysmann 7994, Hallier 1511, 1305!*, *Nieuwenhuis 1586!*; British North Borneo, *Clemens 9883!*; Sarawak, *Native collector 291!* *Bur. Sci.* Endemic.

3. **Timonius clementis** Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 244.

British North Borneo, *Clemens 11078!* Endemic.

4. **Timonius esherianus** W. W. Sm. in Notes Bot. Gard. Edinb. 8 (1915) 327.

Sarawak, *Native collector 200 Edinb.* Endemic.

5. **Timonius flavescens** (Jack) Baker Fl. Maurit. (1877) 144; Valeton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 561, 48 (1912) 117. *Antirrhoea borneensis* Hallier f. in Beihefte Bot. Centralbl. 34|2 (1916) 43.

Dutch Borneo, *Hallier 1604!*, *Winkler 2198, 3355!*; Sarawak, *Beccari 1382, Foxworthy 278!*, *Hose 301!*, *659!*, *Sarawak Museum!*, *Native collector 300!*, *363!*, *1005!*, *2299!* *Bur. Sci.*; British North Borneo, *Clemens 9742!*, *9629!*, *Villamil 132!*

Var. **brevipetiolata** Valeton in Bull. Dépt. Agr. Ind. Néerl. 26 (1909) 34.

Dutch Borneo, *Teysmann 8348.*

Var. **grandiflora** Valeton l.c.

Sarawak, *Hewitt Rb. 46, 3.* Mauritius, Malay Peninsula, Sumatra.

6. **Timonius heterophyllus** Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 243.

British North Borneo, *Clemens 9811!* Endemic.

7. **Timonius hirsutus** Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 242.

Sarawak, *Hose 651!* Endemic.

8. **Timonius hosei** Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 239.

Sarawak, *Hose 660!* Endemic.

9. **Timonius involucratus** Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 241.

Sarawak, *Native collector 1252!* *Bur. Sci.* Endemic.

10. **Timonius lasianthoides** Valetton in Bull. Dépt. Agr. Ind. Néerl. 26 (1909) 48, Winkler in Engl. Bot. Jahrb. 48 (1912) 117.

Dutch Borneo, *Nieuwenhuis 172, De Vriese, Hallier 1516!, 1537!, 1487!, Teysmann*; Sarawak, *Beccari 751, Hose 484!*; *Native 1537!, 1487!, Teysmann*; Sarawak, *Beccari 751, Hose 484!*; *Native collector 292!, 569!, 1006!, 1251!, 1907!, 2012!* *Bur. Sci.* Endemic.

11. **Timonius matangensis** Valetton in Bull. Dépt. Agr. Ind. Néerl. 26 (1909) 58.

Sarawak, *Hewitt Rb. 56-2.* Endemic.

12. **Timonius mutabilis** (Korth.) Walp. Ann. 2 (1851) 765; Boerl. Handl. Fl. Nederl. Ind. 2|1 (1891) 132; Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 561; Bull. Dépt. Agr. Ind. Néerl. 26 (1909) 42. *Bobea mutabilis* Korth. in Nederl. Kruidk. Arch. 2 (1851) 212; Miq. Fl. Bat. 2 (1857-59) 212. *Polyphragmon mutabile* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 240.

Dutch Borneo, *Korthals, Winkler 3402.* Endemic.

13. **Timonius ovalis** (Korth.) Boerl. Handl. Fl. Nederl. Ind. 2|1 (1891) 132; Valetton in Bull. Dépt. Agr. Ind. Néerl. 26 (1909) 56. *Polyphragmon ovale* Korth. in Nederl. Kruidk. Arch. 2 (1851) 216; Walp. Ann. 2 (1851) 786; Miq. Fl. Ind. Bat. 2 (1857-59) 235, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 240.

Dutch Borneo, *Korthals.* Endemic.

14. **Timonius polyneurus** Valetton in Bull. Dépt. Agr. Ind. Néerl. 26 (1909) 59.

Dutch Borneo, *Teysmann 8361.* Endemic.

15. **Timonius salicifolius** Valetton in Ic. Bogor. 3 (1909) 298, t. 298, Bull. Dépt. Agr. Ind. Néerl. 26 (1909) 37.

Dutch Borneo, *Hallier 1330!, 2482, 1300, 2200, Teysmann 8326, 8327, 8330.* Endemic.

16. **Timonius villamilii** Merr. in Journ. Str. Branch. Roy. As. Soc. 77 (1917) 240.

British North Borneo, *Villamil 129!*, *361!*, *252 bis!* Endemic.

1. **Pavetta gracilis** Korth. in Nederl. Kruidk. Arch. 2 (1851) 262; Walp. Ann. 2 (1851) 753; Miq. Fl. Ind. Bat. 2 (1857-59) 266.

Dutch Borneo, *Korthals*. Endemic.

2. **Pavetta indica** Linn. Sp. Pl. (1753) 110; Korth. in Nederl. Kruidk. Arch. 2 (1851) 265; Miq. Fl. Ind. Bat. 2 (1857-59) 275; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 94.

Dutch Borneo, *Korthals*; British North Borneo, *Gibbs 2765*, *Villamil 255!*, *Clemens 10341!*, *10932!*; Sarawak, *Native collector 1710!*, *1795!* *Bur. Sci.* India to southern China and Malaya.

3. **Pavetta laevifolia** Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 562.

Dutch Borneo, *Winkler 3481*. Endemic.

4. **Pavetta limbata** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 179.

British North Borneo, *Haviland 1240*. Endemic.

5. **Pavetta montana** Reinw. ex Blume Bijdr. (1826) 952; Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 195 (forma *borneensis* Miq.); Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 561.

Dutch Borneo, *Korthals*, *Winkler 2289*. Java.

6. **Pavetta oblonga** Korth. in Nederl. Kruidk. Arch. 2 (1851) 753; Miq. Fl. Ind. Bat. 2 (1857-59) 279.

Dutch Borneo, *Korthals*. Endemic.

7. **Pavetta odorata** Blume Bijdr. (1826) 952; Korth. in Nederl. Kruidk. Arch. 2 (1851) 264; Miq. Fl. Ind. Bat. 2 (1857-59) 277.

Dutch Borneo, *Korthals*. Java.

8. **Pavetta oligantha** Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 561.

Dutch Borneo, *Winkler 3056*. Endemic.

9. **Pavetta sumatrensis** Roth. Nov. Pl. Sp. (1821) 88; Wernham ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 94.

British North Borneo, *Gibbs 2581*. Sumatra.

1. **Ixora accedens** Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 563.

Dutch Borneo, *Winkler 3308, 3308a*. Endemic.

2. *Ixora amoena* Wall. Cat. (1832) No. 6121; Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 562.

Dutch Borneo, *Winkler 2154!*, 2483. Malay Peninsula.

3. *Ixora boerlagei* nom. nov. *Ixora acuminata* Boerl. Handl. Fl. Nederl. Ind. 2|1 (1891) 135, non Roxb. *Pavetta acuminata* Korth. in Nederl. Kruidk. Arch. 2 (1851) 263; Walp. Ann. 2 (1851) 753; Miq. Fl. Ind. Bat. 2 (1857-59) 278, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 194.

Dutch Borneo, *Korthals*. Endemic.

4. *Ixora coccinea* Linn. Sp. Pl. (1753) 110.

British North Borneo, *Foxworthy 595!*, cultivated. Widely cultivated in the Indo-Malayan region.

5. *Ixora borneensis* (Miq.) Boerl. Handl. Fl. Nederl. Ind. 2|1 (1891) 135. *Pavetta borneensis* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 200.

Dutch Borneo, *Korthals*. Endemic.

6. *Ixora chinensis* Lam. Encycl. 3 (1789) 344. *Ixora stricta* Roxb. Fl. Ind. ed. 2, 1 (1832) 379; Wernham ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 94.

British North Borneo, *Gibbs 2876, 3023*. India to Malaya, often cultivated.

7. *Ixora ciliolata* (Korth.) Boerl. Handl. Fl. Nederl. Ind. 2|1 (1891) 135. *Pavetta ciliolata* Korth. in Nederl. Kruidk. Arch. 2 (1851) 261; Walp. Ann. 2 (1851) 753; Miq. Fl. Ind. Bat. 2 (1857-59) 265, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 196.

Dutch Borneo, *Korthals*. Endemic.

8. *Ixora floribunda* (Miq.) Boerl. Handl. Fl. Nederl. Ind. 2|1 (1891) 135. *Pavetta floribunda* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 193.

Dutch Borneo, *Korthals*. Endemic.

9. *Ixora grandifolia* Z. & M. Syst. Verzeich. (1854) 65. *Ixora macrophylla* Boerl. Handl. Fl. Nederl. Ind. 2|1 (1891) 135, non Bartl. *Pavetta macrophylla* Blume Bijdr. (1826) 953; Korth. in Nederl. Kruidk. Arch. 2 (1851) 264; Miq. Fl. Ind. Bat. 2 (1857-59) 273.

Dutch Borneo, *Korthals*. Malay Peninsula, Sumatra, Java.

10. *Ixora hajupensis* Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 563.

Dutch Borneo, *Winkler 2102, 2587*. Endemic.

11. *Ixora javanica* (Blume) DC. Prodr. 4 (1830) 487. *Pavetta javanica* Blume Bijdr. (1826) 949; Korth. in Nederl. Kruidk. Arch. 2 (1851) 263; Miq. Fl. Ind. Bat. 2 (1857-59) 267.

Dutch Borneo, *Korthals*; Sarawak, *Foxworthy* 221!, *Native collector* 785!, 1231!, 1755!, 1804!, 2402! *Bur. Sci.* Java, Sumatra.

12. *Ixora kinabaluensis* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 178.

British North Borneo, *Haviland* 1236, *Clemens* 10378!, 10410! Endemic.

13. *Ixora macroptera* (Miq.) Boerl. Handl. Fl. Nederl. Ind. 2|1 (1891) 135. *Pavetta macroptera* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 197.

Dutch Borneo, *Korthals*. Sumatra.

14. *Ixora paludosa* (Blume) Boerl. Handl. Fl. Nederl. Ind. 2|1 (1891) 136; O. Kuntze Rev. Gen. Pl. (1891) 287. *Pavetta paludosa* Blume Bijdr. (1826) 954.

Sarawak, *Foxworthy* 468! Sumatra, Java.

15. *Ixora philippinensis* Merr. in Philip. Journ. Sci. 5 (1910) Bot. 238.

British North Borneo, *Topping* 1475! Philippines.

16. *Ixora pseudamboinica* (Korth.) Valeton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 562. *Pavetta pseudo-amboinica* Korth. in Nederl. Kruidk. Arch. 2 (1851) 261; Walp. Ann. 2 (1851) 753, Miq. Fl. Ind. Bat. 2 (1857-59) 264.

Dutch Borneo, *Korthals*, *Winkler* 3182. Endemic.

17. *Ixora rivalis* Valeton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 564.

Dutch Borneo, *Winkler* 3243. Endemic.

18. *Ixora salicifolia* (Blume) DC. Prodr. 4 (1830) 487.

British North Borneo, *Clemens* 10067!; Sarawak, *Native collector* 1010!, 1011!, 1012!, 1635!, 1994!, 2150! *Bur. Sci.* Malaya to the Philippines.

19. *Ixora stenophylla* (Korth.) Valeton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 562. *Pavetta stenophylla* Korth. in Nederl. Kruidk. Arch. 2 (1851) 262; Walp. Ann. 2 (1851) 753; Miq. Fl. Ind. Bat. 2 (1857-59) 265. *Ixora polita* Boerl. Handl. Fl. Nederl. Ind. 2|1 (1891) 135? *Pavetta polita* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 196?

Dutch Borneo, *Korthals*, *Winkler* 2286. Endemic.

20. *Ixora umbellata* Valetton in Meded. Lands Plant. 59 (1902) 162, Ic. Bogor. 2 (1896) 275, t. 183.

Dutch Borneo, *Hallier* 317! Java.

1. *Gardeniopsis* sp. aff. *Gardeniopsis longiflora* Miq.; King in Journ. As. Soc. Beng. 73|2 (1904) 64.

Sarawak, *Haviland* 3011.

1. *Streblosa glabra* Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 567.

Dutch Borneo, *Winkler* 2751; Sarawak, *Foxworthy* 414!, *Native collector* 1248! *Bur. Sci.* Endemic.

2. *Streblosa undulata* Korth. in Nederl. Kruidk. Arch. 2 (1851) 247; Walp. Ann. 2 (1851) 746; Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 568. *Psychotria undulata* Miq. Fl. Ind. Bat. 2 (1857-59) 294.

Dutch Borneo, *Korthals*, *Winkler* 2583, 2826, 2861. Endemic.

3. *Streblosa urticina* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 182, t. 13, f. A, 1-10.

British North Borneo, *Haviland* 1328, *Clemens* 10179! Endemic.

1. *Streblosiopsis cupulata* Valetton ex Winkler Engl. Bot. Jahrb. 44 (1910) 570.

Dutch Borneo, *Winkler* 2968. A monotypic endemic genus.

1. *Psychotria albomarginata* Hallier f. in Bull. Herb. Boiss. 6 (1898) 283, t. 9, f. 2.

Dutch Borneo, *Hallier*. Endemic.

2. *Psychotria angulata* Korth. in Nederl. Kruidk. Arch. 2 (1851) 243; Walp. Ann. 2 (1851) 745; Miq. Fl. Ind. Bat. 2 (1857-59) 293, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 210; Boerl. Handl. Fl. Nederl. Ind. 2|1 (1891) 138.

Dutch Borneo, *Korthals*. Malay Peninsula, Penang, Banca.

3. *Psychotria cuspidella* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 209. *Psychotria coriacea* Korth. in Nederl. Kruidk. Arch. 2 (1851) 242; Walp. Ann. 2 (1851) 745; Miq. Fl. Ind. Bat. 2 (1857-59) 289, non Poir.

Dutch Borneo, *Korthals*. Endemic.

4. *Psychotria crassifolia* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 205.

Dutch Borneo, *Korthals*. Endemic.

5. *Psychotria densifolia* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 182, t. 13, f. B, 11-13.

British North Borneo, *Haviland 1116, Clemens 10511!*
Endemic.

6. *Psychotria divergens* Blume Bijdr. (1826) 959; Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 206.

Dutch Borneo, *Korthals*. Java.

7. *Psychotria elegans* Ridl. in Sarawak Mus. Journ. 1 (1912) 32.

Sarawak, *Ridley 12294, Hewitt*. Endemic.

8. *Psychotria expansa* Blume Bijdr. (1826) 963; Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 566; Ic. Bogor. 3 (1909) 229, t. 284.

Dutch Borneo, *Winkler 3070*. Sumatra, Java, Batoe.

9. *Psychotria gyrulosa* Stapf in Trans. Linn. Soc. Bot. 4 (1894) 180.

British North Borneo, *Haviland 1335*. Endemic.

10. *Psychotria iteophylla* Stapf in Trans. Linn. Soc. Bot. Bot. 4 (1894) 181.

British North Borneo, *Haviland 1321*. Endemic.

11. *Psychotria laxiflora* Blume Bijdr. (1826) 964; Korth. in Nederl. Kruidk. Arch. 2 (1851) 242; Miq. Fl. Ind. Bat. 2 (1857-59) 287.

Dutch Borneo, *Korthals*. Java, Sumatra, Malay Peninsula.

12. *Psychotria leucocarpa* Blume var. *pubescens* Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 566.

Dutch Borneo, *Winkler 2101*. Sumatra, Java (the species).

13. *Psychotria malayana* Jack in Malay Miscel. 1|1 (1820) 3; Calc. Journ. Nat. Hist. 4 (1843) 26; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 179; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 94; Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 565. *Grumilea aurantiaca* Miq. Fl. Ind. Bat. 2 (1857-59) 296.

Dutch Borneo, *Korthals, Winkler 3059*; British North Borneo, *Gibbs 4128, Haviland 1389, Clemens 9447!, 9751!, 9764!*

Var. *lanceolata* (Miq.) Valetton l.c. *Psychotria aurantiaca* Wall. var. *lanceolata* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 205.

Dutch Borneo, *Korthals*. Malay Peninsula, Sumatra, Java, Palawan.

14. *Psychotria microcephala* Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 566.

Dutch Borneo, *Winkler 3188*. Endemic.

15. *Psychotria nieuwenhuzii* Valetton in Ic. Bogor. 3 (1909) 237, t. 286. *Psychotria acuminata* Becc. Nelle Foreste di Borneo (1902) 524, f. 65, 3, *nomen nudum*, non Benth.

Dutch Borneo, *Nieuwenhuis 1611*; Sarawak, *Beccari 3840*; *Hose 480!*, *487!*, *Native collector 2784!* *Bur. Sci.* Endemic.

16. *Psychotria polytricha* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 207. *Psychotria laxiflora* Blume var. *lepidota* Korth. in Nederl. Kruidk. Arch. 2 (1851) 242.

Dutch Borneo, *Korthals*. Sumatra, Java.

17. *Psychotria robusta* Blume Bijdr. (1826) 962; Valetton in Ic. Bogor. 3 (1909) 245, t. 289.

Dutch Borneo, *Nieuwenhuis*. Java.

18. *Psychotria rostrata* Blume Bijdr. (1826) 961; Valetton in Ic. Bogor. 3 (1909) 249, t. 290, *Winkler* in Engl. Bot. Jahrb. 44 (1910) 566.

Dutch Borneo, *Teysmann 11792*, *Winkler 3145*, *Hailier*, *Nieuwenhuis*; Sarawak, *Native collector 2416!* *Bur. Sci.*, *Sarawak Museum!* Java.

19. *Psychotria rufipila* Valetton in Ic. Bogor. 3 (1909) 253, t. 291.

Dutch Borneo, *Jaheri 509*, *Teysmann 8000*. Endemic.

20. *Psychotria sarmentosa* Blume Bijdr. (1826) 964; Valetton ex *Winkler* in Engl. Bot. Jahrb. 44 (1910) 565.

Dutch Borneo, *Winkler 3255*; British North Borneo, *Clemens 9469!*, *9663!*, *Yates 4!*, *Wood 440!*, *Villamil 288!*; Sarawak, *Hose 268!*, *Native collector 1773!* *Bur. Sci.* Malay.

21. *Psychotria sarmentosoides* Valetton in Ic. Bogor. 3 (1909) 255, t. 292; *Winkler* in Engl. Bot. Jahrb. 44 (1910) 565.

Dutch Borneo, *Winkler 2893*, *2922*. Burma to Java.

22. *Psychotria subcaudata* Valetton in Ic. Bogor. 3 (1909) 263, t. 294.

Sarawak, *Haviland*, *Foxworthy 415!*, *Hose 440!*; British North Borneo, *Clemens 10821!* Endemic.

23. *Psychotria viridiflora* Reinw. ex Blume Bijdr. (1826) 965; Korth. in Nederl. Kruidk. Arch. 2 (1851) 244; Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 207. *Grumilea viridiflora* Miq. Fl. Ind. Bat. 2 (1857-59) 298. *Psychotria sylvatica* Blume Bijdr. (1826) 963; Korth. in Nederl. Kruidk. Arch. 2 (1851) 244; Miq. Fl. Ind. Bat. 2 (1857-59) 298.

Dutch Borneo, *Korthals, Winkler 2615, 2256*; Sarawak, *Beccari, Motley, Haviland, Sarawak Museum!* Malay Peninsula, Sumatra, Java.

Cleisocratera elegans Korth. Verh. Nat. Gesch. Bot. (1839-42) 257, t. 62, Nederl. Kruidk. Arch. 2 (1851) 238; Miq. Fl. Ind. Bat. 2 (1857-59) 384, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 256, a genus and species based on a specimen from Dutch Borneo, *Korthals*, which has been reduced to *Psychotria*; as figured it differs radically from all species of *Psychotria* known to me, and is probably not properly referable to this genus.

1. **Chasalia gracilis** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 183.

British North Borneo, *Haviland 1294*. Endemic.

2. **Chasalia lurida** (Blume) Miq. Fl. Ind. Bat. 2 (1857-59) 282. *Psychotria lurida* Blume Bijdr. (1826) 919. *Zwaardekronia lurida* Korth. in Nederl. Kruidk. Arch. 2 (1851) 252; Walp. Ann. 2 (1851) 747. *Chasalia curviflora* Thw. Enum. Pl. Zeyl. (1859-64) 150; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 95; Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 567.

Dutch Borneo, *Korthals, Winkler 2145, 2656, 3480*; British North Borneo, *Gibbs 2787, 2691*; Sarawak, *Hewitt!, Hose 309!, 530!* India to Malaya and the Philippines.

1. **Geophila herbacea** (Linn.) O. Kuntze Rev. Gen. Pl. (1891) 300. *Geophila reniformis* Don Prodr. (1825) 136.

Sarawak, *Foxworthy 409!* Pantropic.

2. **Geophila hirta** Korth. in Nederl. Kruidk. Arch. 2 (1851) 247; Walp. Ann. 2 (1851) 744; Miq. Fl. Ind. Bat. 2 (1857-59) 312, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 244.

Dutch Borneo, *Korthals*. Endemic.

3. **Geophila pilosa** Pearson in Hook. Ic. IV 7 (1900) t. 2691; King in Journ. As. Soc. Beng. 73|2 (1904) 103.

Borneo, *Barber 249*. Singapore.

1. **Cephaelis psychotrioides** Valetton in Ic. Bogor. 4 (1913) 185, t. 357.

Dutch Borneo, *Hallier*. Endemic.

2. **Cephaelis stipulacea** Blume Bijdr. (1826) 1005; Miq. Fl. Ind. Bat. 2 (1857-59) 310; Valetton in Ic. Bogor. 4 (1912) 115, t. 336.

Dutch Borneo, *Nieuwenhuis, Teysmann*; Sarawak, *Haviland 3000, Hewitt, Native collector 330!, 787!, 1030!, 2399!* *Bur. Sci.* Java.

1. ***Lasianthus appressus*** Hook. f. Fl. Brit. Ind. 3 (1880) 181; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 95.
British North Borneo, *Gibbs 2881*. Malay Peninsula.
2. ***Lasianthus capitatus*** Blume Bijdr. (1826) 996; Miq. Fl. Ind. Bat. 2 (1857-59) 320, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 246. *Mephitidia capitata* DC., var. *ferruginea* Korth. in Nederl. Kruidk. Arch. 2 (1851) 221.
Dutch Borneo, *Korthals*. Sumatra, Java.
3. ***Lasianthus constrictus*** Wight in Calc. Journ. Nat. Hist. 6 (1846) 515; King in Journ. As. Soc. Beng. 73:2 (1904) 117. Sarawak, *Haviland*. Malay Peninsula, Java.
4. ***Lasianthus griffithii*** Wight in Calc. Journ. Nat. Hist. 6 (1846) 505; King in Journ. As. Soc. Beng. 73:2 (1904) 111. Sarawak, *Haviland 84*. Malay Peninsula.
5. ***Lasianthus euneurus*** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 185.
British North Borneo, *Haviland 1119*. Endemic.
6. ***Lasianthus inaequalis*** Blume Bijdr. (1826) 996; Miq. Fl. Ind. Bat. 2 (1857-59) 316; Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 568. *Mephitidia inaequalis* DC.; Korth. in Nederl. Kruidk. Arch. 2 (1851) 220. *Lasianthus cyanocarpus* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 245, non Jack.
Dutch Borneo, *Korthals, Winkler 2706*; British North Borneo, *Villamil 233!* Malay Peninsula, Sumatra, Java, Philippines.
7. ***Lasianthus inodorus*** Blume Bijdr. (1826) 998; Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 248.
Dutch Borneo, *Korthals*. Java.
8. ***Lasianthus kinabaluensis*** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 184; Wernham ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 95
British North Borneo, *Haviland 1306, 1323, Gibbs 4423*. Endemic.
9. ***Lasianthus laevigatus*** Blume Bijdr. (1826) 998; Boerl. Handl. Fl. Nederl. Ind. 2:1 (1891) 140.
Borneo, fide *Boerlage* l.c. Java, Sumatra?
10. ***Lasianthus latifolius*** Blume ex Miq. Fl. Ind. Bat. 2 (1857-59) 320. *Mephitidia latifolia* Blume ex DC. Prodr. 4 (1830) 452.
Dutch Borneo, *Korthals*. Java, Sumatra.

11. **Lasianthus membranaceus** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 184.

British North Borneo, *Haviland 1300, 1336.*

Var. (?) *firma* Stapf l.c.

British North Borneo, *Haviland 1241.* Endemic.

12. **Lasianthus cyanocarpus** Jack in Trans. Linn. Soc. 14 (1823) 125. *Lasianthus oculus-cati* Miq. Fl. Ind. Bat. 2 (1857-59) 315, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 245.

Dutch Borneo, *Korthals.* India to Malaya and the Philippines.

13. **Lasianthus ovatus** (Korth.) Miq. Fl. Ind. Bat. 2 (1857-59) 321, var. *oligoneura* (Korth.) Boerl. Handl. Fl. Nederl. Ind. 2 (1891) 141. *Mephitidia ovata* Korth. in Nederl. Kruidk. Arch. 2 (1851) 221, var. *oligoneura* Korth. l.c.; Walp. Ann. 2 (1851) 763.

Dutch Borneo, *Korthals.* Sumatra (the species).

14. **Lasianthus polycarpus** Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 247.

Dutch Borneo, *De Vriese.* Endemic.

15. **Lasianthus reticulatus** Blume Bijdr. (1826) 1000; Valeton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 569.

Dutch Borneo, *Winkler 2470.* Java, Sumatra.

16. **Lasianthus rotundatus** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 185.

British North Borneo, *Haviland 1141.* Endemic.

17. **Lasianthus spathulatus** Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 246.

Dutch Borneo, *De Vriese.* Endemic.

18. **Lasianthus stercorarius** Blume Bijdr. (1826) 1000; Valeton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 569 (var. *borneensis* Miq.). *Lasianthus mucronulatus* Miq. Fl. Ind. Bat. 2 (1857-59) 325, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 249. *Mephitidia mucronulata* Korth. in Nederl. Kruidk. Arch. 2 (1851) 223; Walp. Ann. 2 (1851) 763.

Dutch Borneo, *Korthals, Winkler 2218.* Sumatra, Java.

19. **Lasianthus stipularis** Blume Bijdr. (1826) 997; Miq. Fl. Ind. Bat. 2 (1857-59) 319, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 246. *Mephitidia stipularis* Korth. in Nederl. Kruidk. Arch. 2 (1851) 223.

Dutch Borneo, *Korthals*; Sarawak, *Native collector 282!, 2622!* *Bur. Sci.* Sumatra, Java, Philippines.

20. **Lasianthus vrieseanus** Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 249.

Dutch Borneo, *De Vriese*. Endemic.

1. **Saprosma arboreum** Blume Bijdr. (1826) 956; Korth. in Nederl. Kruidk. Arch. 2 (1851) 251; Miq. Fl. Ind. Bat. 2 (1857-59) 303, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69); Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 569 (var. *parviflorum* Miq.).

Dutch Borneo, *Korthals*, *Winkler 2217!*; British North Borneo, *Villamil 236!* Sumatra, Java.

2. **Saprosma borneense** Wernham ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 95.

British North Borneo, *Gibbs 2799*. Endemic.

1. **Amaracarpus pubescens** Blume Bijdr. (1826) 954; Boerl. Handl. Fl. Nederl. Ind. 2|1 (1891) 142.

Borneo, fide *Boerlage* l.c.; Sarawak, *Native collector 2683!* *Bur. Sci.* Java.

1. **Hydnophytum coriaceum** Becc. Malesia 2 (1885) 158.

Sarawak, *Beccari 661*. Endemic.

2. **Hydnophytum formicarium** Jack in Trans. Linn. Soc. 14 (1823) 124; Becc. Malesia 2 (1885) 159. *Hydnophytum montanum* Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 256.

Borneo, *Beccari*.

Var. **montanum borneense** Becc. Malesia 2 (1885) 162.

Sarawak, *Beccari 711*.

Var. **montanum lucidum** Becc. Malesia 2 (1886) 164, *t. 49, f. 11-15*.

Sarawak, *Beccari 3671*. Siam and Indo-China to Celebes.

1. **Myrmecodia echinata** Gaudich. Bot. Freyc. Voy. (1826) 472, *t. 96*; Wernham ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 95.

British North Borneo, *Gibbs 2762*. Rawak and Aru Islands.

2. **Myrmecodia tuberosa** Jack in Trans. Linn. Soc. 14 (1823) 123; Becc. Malesia 2 (1884) 99, *t. 13, 14*.

Sarawak, *Beccari 326*. Malay Peninsula, Sumatra, Java.

1. **Gaertnera borneensis** Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 568.

Dutch Borneo, *Winkler 3321*. Endemic.

2. **Gaertnera rufinervis** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 183.

British North Borneo, *Haviland 1210*. Endemic.

3. **Gaertnera vaginans** (DC.) comb. nov. *Psychotria vaginans* DC. Prodr. 4 (1830) 520. *Gaertnera koenigii* Wight Ic. 4 (1850) 6, t. 1318.

Sarawak, *Native collector 326!*, 429!, 775!, 1025!, 1633!, 1730!, 1777!, 1984!, *Bur. Sci.*, *Foxworthy 277!*; British North Borneo, *Yates!* Ceylon, Malay Peninsula.

4. **Gaertnera viminea** C. B. Clarke in Hook. f. Fl. Brit. Ind. 4 (1883) 91.

Sarawak, *Native collector 1009!*, 1035!, 1121!, 2228! *Bur. Sci.*, *Foxworthy 438!*, 442! Singapore.

1. **Paederia verticillata** Blume Bijdr. (1826) 968; King in Journ. As. Soc. Beng. 73|2 (1904) 97.

British North Borneo, *Clemens 10134!*; Sarawak, *Native collector 540!*, 1219!, 1885!, 2764!, 2881! *Bur. Sci.* Malay Peninsula, Philippines.

1. **Nertera depressa** Banks & Sol. ex Gaertn. Fruct. 1 (1788) 124, t. 26; Miq. Fl. Ind. Bat. 2 (1857-59) 262; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 186.

Dutch Borneo, *Korthals*; British North Borneo, *Haviland 1075*. Sumatra, Java, Philippines, S. Australia, New Zealand, Central and South America.

1. **Coprosma crassicaulis** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 186.

British North Borneo, *Low*, *Haviland 1073*, *Clemens 10561!* Endemic.

2. **Coprosma hookeri** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 187; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 95.

British North Borneo, *Haviland 1072*, *Gibbs 4303*, 4204, *Clemens 10655!* Endemic.

1. **Tetralopha motleyi** Hook. f. Ic. III 1 (1870) 57, t. 1072; Valeton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 569.

Dutch Borneo, *Winkler 3064*, *Motley*. Endemic.

1. **Gynochthodes coriacea** Blume Bijdr. (1826) 993; Miq. Fl. Ind. Bat. 2 (1857-59) 313; King in Journ. As. Soc. Beng. 73|2 (1904) 92.

Dutch Borneo, *Korthals*. Malay Peninsula, Sumatra, Java, Timor.

2. **Gynochthodes sublanceolata** Miq. Fl. Ind. Bat. Suppl. (1860-62) 548; King in Journ. As. Soc. Beng. 73|2 (1904) 92.

Borneo, fide *King* l.c. Malay Peninsula, Sumatra.

1. **Coelospermum scandens** Blume Bijdr. (1826) 994; Miq. Fl. Ind. Bat. 2 (1857-59) 301, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 244.

Dutch Borneo, *Korthals*. Java, Banca, New Guinea.

1. **Prismatomeris tetrandra** (Roxb.) K. Schum. in Engl. & Prantl Nat. Pflanzenfam. 4:4 (1891) 138. *Coffea glabra* Korth. in Nederl. Kruidk. Arch. 2 (1851) 254; Walp. Ann. 2 (1851) 749; Miq. Fl. Ind. Bat. 2 (1857-59) 307, Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 258. *Prismatomeris glabra* Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 569, 48 (1912) 117.

Sarawak, *Beccari* 1825, *Native collector* 288! *Bur. Sci.*; Dutch Borneo, *Korthals*, *Winkler* 2331!, 2543. India to Malaya and the Philippines.

2. **Prismatomeris urophyloides** Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 556.

Dutch Borneo, *Winkler* 3184. Endemic.

1. **Morinda citrifolia** Linn. Sp. Pl. (1753) 176; Korth. in Nederl. Kruidk. Arch. 2 (1851) 226; Miq. Ann. Mus. Bot. Lugd.-Bat. 4 (1868-69) 211.

Dutch Borneo, *Korthals*; British North Borneo, *Villamil* 257 *bis*!; Sarawak, *Native collector* 2207! *Bur. Sci.* India to Polynesia.

2. **Morinda celebica** Miq. Fl. Ind. Bat. 2 (1857-59) 246.

British North Borneo, *Clemens* 9468!, *Yates* 47! Palawan, Celebes.

3. **Morinda jackiana** Korth. in Nederl. Kruidk. Arch. 2 (1851) 227; Walp. Ann. 2 (1851) 759; Fl. Ind. Bat. 2 (1857-59) 245.

Borneo, fide *Miquel* l.c. Sumatra, Java; perhaps identical with *M. polyneura* Miq.

4. **Morinda rigida** Miq. Fl. Ind. Bat. 2 (1857-59) 246; Valetton ex Winkler in Engl. Bot. Jahrb. 44 (1910) 570.

Dutch Borneo, *Winkler* 3225. Banca, Malay Peninsula.

5. **Morinda tinctoria** Roxb. Fl. Ind. 2 (1824) 197; Becc. Nelle Foreste di Borneo (1902) 594.

Sarawak, fide *Beccari* l.c. India to Malaya.

1. **Renellia speciosa** (Wall.) Hook. f. Fl. Brit. Ind. 3 (1880) 158.

Sarawak, *Foxworthy* 236!, *Native collector* 1008!, 2586! *Bur. Sci.* Burma, Malay Peninsula, Sumatra.

1. **Tibrachya beccariana** Baill. ex Boerl. Handl. Fl. Nederl. Ind. 2:1 (1891) 137. *Dibrachia beccariana* Baill. l.c. *Morinda beccariana* Baill. ex K. Schum. in Engl. & Prantl Nat. Pflanzenfam. 4:4 (1891) 138.

Borneo, *Beccari*; to be compared with *Renellia speciosa* (Wall.) Hook. f. Endemic.

Morinda borneensis Baill. ex K. Schum. in Engl. & Prantl Nat. Pflanzenfam. 4/4 (1891) 138, *nomen*, is apparently a *Tibrachya* or *Renellia*.

1. **Rubia cordifolia** Linn. Syst. ed. 12 (1767) 229.

British North Borneo, *Clemens 10420!* Warmer parts of the Old World.

Caprifoliaceae.

1. **Sambucus javanica** Reinw. ex Blume Bijdr. (1825) 657; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 87.

British North Borneo, *Gibbs 4129, Clemens 10390!* India to Japan southward to the Malay Archipelago.

1. **Viburnum vernicosum** Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 86.

British North Borneo, *Gibbs 3990.* Endemic.

2. **Viburnum lutescens** Blume Bijdr. (1825) 655. *Viburnum sundaicum* Miq. Fl. Ind. Bat. 2 (1857-59) 121.

Borneo, fide *Miquel* l.c. Sumatra, Java.

3. **Viburnum sambucinum** Reinw. ex Blume Bijdr. (1825) 656; Miq. Fl. Ind. Bat. 2 (1857-59) 120.

Dutch Borneo, *Korthals.* Malay Peninsula, Sumatra, Java.

1. **Lonicera confusa** DC. Prodr. 4 (1830) 333; Rehder in Rept. Mo. Bot. Gard. 14 (1903) 159.

Borneo, *Burbidge.* Southern China, Hainan, Java (cultivated?).

Cucurbitaceae.

1. **Zanonia indica** Linn. Sp. Pl. ed. 2 (1763) 1457; Cogn. in DC. Monog. Phan. 3 (1881) 296.

Borneo, *Herb. Lugd.-Bat.* India to New Guinea.

1. **Macrozania macrocarpa** (Blume) Cogn. in Fedde Rept. 4 (1907) 380. *Zanonia macrocarpa* Blume Bijdr. (1826) 927; Cogn. in DC. Monog. Phan. 3 (1881) 927.

Sarawak, *Beccari 4020*; Dutch Borneo, *Korthals.* Java to New Guinea.

1. **Thladiantha cordifolia** (Blume) Cogn. in DC. Monog. Phan. 3 (1881) 424; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 82.

British North Borneo, *Gibbs 2631*. Sumatra, Java.

1. **Melothria affinis** King in Journ. As. Soc. Beng. 67|2 (1898) 38.

Borneo, *Motley 167*. Malay Peninsula.

2. **Melothria indica** Lour. Fl. Cochinch. (1790) 35; Cogn. in DC. Monog. Phan. 3 (1881) 598.

Sarawak, *Beccari 10*. Tropical Asia to Malaya.

3. **Melothria javanica** (Miq.) Cogn. in DC. Monog. Phan. 3 (1881) 625; Winkler in Engl. Bot. Jahrb. 48 (1912) 117.

Dutch Borneo, *Winkler 2246, 2268, Schlechter 13494*. Java to Amboina.

4. **Melothria leucocarpa** (Blume) Cogn. in DC. Monog. Phan. 3 (1881) 601 var. **triloba** Clarke in Hook. f. Fl. Brit. Ind. 2 (1879) 626; Winkler in Engl. Bot. Jahrb. 48 (1912) 117.

Dutch Borneo, *Winkler 2267*. India to the Moluccas.

5. **Melothria maderaspatana** (Linn.) Cogn. in DC. Monog. Phan. 3 (1881) 623; Winkler in Engl. Bot. Jahrb. 48 (1912) 117.

Dutch Borneo, *Winkler 2174, Motley*. Tropical Africa and Asia through Malaya, to tropical Australia.

6. **Melothria marginata** (Blume) Cogn. in DC. Monog. Phan. 3 (1881) 593; Winkler in Engl. Bot. Jahrb. 48 (1912) 118.

Dutch Borneo, *Schlechter 13402*. Malay Peninsula, Sumatra, Java.

7. **Melothria mucronata** (Blume) Cogn. in DC. Monog. Phan. 3 (1881) 608.

Sarawak, *Beccari 778*. British India to New Guinea.

1. **Momordica charantia** Linn. Sp. Pl. (1753) 1009; Winkler in Engl. Bot. Jahrb. 48 (1912) 118.

Dutch Borneo, *Winkler 3484, Clemens 9669!* Pantropic, wild and cultivated.

2. **Momordica cochinchinensis** (Lour.) Spreng. Syst. 3 (1826) 14; Cogn. in DC. Monog. Phan. 3 (1881) 445; Boerl. Handl. Fl. Nederl. Ind. 1 (1890) 595.

Borneo, fide *Boerlage* l.c. Tropical Asia to New Guinea.

3. **Momordica denticulata** Miq. Fl. Ind. Bat. 1|1 (1858) 1090; Cogn. in DC. Monog. Phan. 3 (1881) 447.

Dutch Borneo, *Korthals, Teysmann*. Sumatra.

4. **Momordica racemiflora** (Miq.) Cogn. in DC. Monog. Phan. 3 (1881) 448. *Momordica denticulata* Miq. var. *racemiflora* Miq. Fl. Ind. Bat. 1|1 (1858) 1090.

Sarawak, *Beccari 3901*. Sumatra.

5. **Momordica suringarii** Cogn. in DC. Monog. Phan. 3 (1881) 434.

Borneo, fide *Cogniaux* l.c. Sumatra.

1. **Luffa acutangula** (Linn.) Roxb. Hort. Beng. (1814) 70, Fl. Ind. ed. 2, 3 (1832) 713; Cogn. in DC. Monog. Phan. 3 (1881) 459.

Sarawak, *Beccari* 1753. In general cultivation in the tropics of the Old World. *Luffa cylindrica* Roem. doubtless also occurs in Borneo.

1. **Cucumis sativus** Linn. Sp. Pl. (1753) 1012; Becc. Nelle Foreste di Borneo (1902) 599.

The cucumber, cultivated in Borneo, as it is in all warm countries.

1. **Gymnopetalum cochinchinense** (Lour.) Kurz in Journ. As. Soc. Beng. 40/2 (1871) 57; Cogn. in DC. Monog. Phan. 3 (1881) 391; Winkler in Engl. Bot. Jahrb. 48 (1912) 118; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 82.

Sarawak, *Beccari* 2777; Dutch Borneo, *Schlechter* 13340, 13545; British North Borneo, *Gibbs* 2623. India to southern China and Malaya.

1. **Trichosanthes borneensis** Cogn. in DC. Monog. Phan. 3 (1881) 369.

Borneo, *Herb. Lugd.-Bat.* Endemic.

2. **Trichosanthes bracteata** (Lam.) Voigt Hort. Suburb. Calc. (1845) 58; Cogn. in DC. Monog. Phan. 3 (1881) 375; Winkler in Engl. Bot. Jahrb. 48 (1912) 118.

Dutch Borneo, *Winkler* 2266. India through Malaya to Timor and Celebes.

3. **Trichosanthes cucumerina** Linn. Sp. Pl. (1753) 1008; Winkler in Engl. Bot. Jahrb. 48 (1912) 118.

Dutch Borneo, *Winkler* 2173. India to southern China, Java, and the Philippines.

4. **Trichosanthes multiloba** Miq. Ann. Mus. Bot. Lugd.-Bat. 2 (1865) 82; Cogn. in DC. Monog. Phan. 3 (1881) 372.

Sarawak, *Beccari* 151, 2015. Japan.

5. **Trichosanthes quinquangulata** A. Gray Bot. Wilkes U. S. Expl. Exped. (1854) 654.

British North Borneo, *Clemens* 11222! Philippines.

6. **Trichosanthes tricuspidata** Lour. Fl. Cochinch. (1790) 588; Cogn. in DC. Monog. Phan. 3 (1881) 374.

Sarawak, *Beccari 2779*. Java, Cochinchina.

1. **Hodgsonia macrocarpa** (Blume) Cogn. in DC. Monog. Phan. 3 (1881) 349; Boerl. Handl. Fl. Nederl. Ind. 1 (1890) 594. *Hodgsonia heteroclita* Hook. f. & Th. in Proc. Linn. Soc. 2 (1853) 257; King in Journ. As. Soc. Beng. 67|2 (1898) 25. Borneo, fide *Boerlage* and *King l.c.* India to Malaya.

1. **Gynostemma pedatum** Blume Bijdr. (1825) 23; Cogn. in DC. Monog. Phan. 3 (1881) 913; Winkler in Engl. Bot. Jahrb. 48 (1912) 118.

Borneo, *Motley*; Dutch Borneo, *Winkler 2667*. India to Japan southward to Malaya.

2. **Gynostemma simplicifolium** Blume Bijdr. (1825) 24. British North Borneo, *Clemens 9921!*, *10399!* Philippines, Java.

3. **Gynostemma winkleri** Cogn. ex Winkler in Engl. Bot. Jahrb. 48 (1912) 118. Dutch Borneo, *Winkler 2757*. Endemic.

Campanulaceae.

1. **Campanumoea celebica** Blume Bijdr. (1825) 727; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 188. British North Borneo, *Haviland 1358*, *Clemens 10114!*, *9923!*, India to Malaya.

1. **Pratia borneensis** Hemsl. in Hook. Ic. III 6 (1886) *t. 1532*. Sarawak, *Hullett*.

Var. **grandifolia** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 188; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 100. British North Borneo, *Haviland 1309*, *Gibbs 4136*. Endemic.

1. **Pentaphragma albiflorum** Pearson in Hook. Ic. IV, 8 (1901) *t. 2706*. Borneo, *Lobb*. Endemic.

2. **Pentaphragma aurantiacum** Stapf in Trans. Linn. Soc. Bot. 4 (1894) 188; Ridl. in Journ. Str. Branch Roy. As. Soc. 63 (1912) 60. British North Borneo, *Haviland 1227*; Sarawak, *Moulton*. Endemic.

3. **Pentaphragma viride** Stapf & Greene ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 100. British North Borneo, *Gibbs 4291*, *Clemens 10097!*, *10124!*, *10079!* Endemic.

Goodenoviaceae.

1. *Scaevola frutescens* (Mill.) Krause in Engl. Pflanzenreich 54 (1912) 125, f. 25. *Scaevola koenigii* Vahl Symb. 3 (1794) 36.

British North Borneo, *Fraser*; Sarawak, *Foxworthy 271!*, *Native collector 1617!*, *2209!* *Bur. Sci.* Along the seashore, India to Madagascar, Malaya and Polynesia.

2. *Scaevola pedunculata* Merr. var. *mollis* Merr. in Philip. Journ. Sci. 5 (1910) Bot. 251; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 100.

British North Borneo, *Gibbs 4048*, *Clemens 10951!*, *10984!* Palawan.

Compositae.

1. *Sparganophorus vaillantii* Crantz Inst. 1 (1766) 261; Ridl. in Journ. Str. Branch Roy. As. Soc. 49 (1908) 18.

Sarawak, fide *Ridley* l.c. Pantropic; a native of the West Indies.

1. *Vernonia arborea* Ham. in Trans. Linn. Soc. 14 (1824) 218; Martelli in Nuov. Giorn. Bot. Ital. 15 (1883) 286; Ridl. in Journ. Str. Branch Roy. As. Soc. 63 (1912) 60; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 97.

Sarawak, *Moulton*, *Beccari 288*, *Native collector 416!*, *728!*, *1413!*, *1737!*, *1998!* *Bur. Sci.*, *Sarawak Museum 7!*; British North Borneo, *Gibbs 2973*, *Clemens 9832!*, *11176!*, *11207!*, *Villamil 328!* India to Malaya.

2. *Vernonia borneensis* Miq. Fl. Ind. Bat. 2 (1857-59) 16. Dutch Borneo, *Korthals*. Endemic; perhaps a form of *V. cinerea* Less.

3. *Vernonia cinerea* (Linn.) Less in Linnaea 4 (1829) 291; Martelli in Nuov. Giorn. Bot. Ital. 15 (1883) 286.

Sarawak, *Beccari 1275*, *Native collector 2450!* *Bur. Sci.*; British North Borneo, *Clemens 9748!*, *11238!* Pantropic.

1. *Elephantopus mollis* H. B. K. Nov. Gen. Sp. Pl. 4 (1820) 26.

British North Borneo, *Villamil 272!*, *Clemens 9641!* Tropical America; introduced and now very common in the Marianne Islands and the Philippines.

2. *Elephantopus scaber* Linn. Sp. Pl. (1753) 814; Miq. Fl. Ind. Bat. 2 (1857-59) 21; Martelli in Nuov. Giorn. Bot. Ital. 15 (1883) 287; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 97.

Sarawak, *Beccari 3289*, *Native collector 2512!* *Bur. Sci.*; British North Borneo, *Gibbs 2641*. Pantropic.

1. **Adenostemma lavenia** (Linn.) O. Kuntze *Rev. Gen. Pl.* (1891) 304. *Adenostemma viscosum* Forst. *Char. Gen.* (1776) 90; Martelli in *Nuov. Giorn. Bot. Ital.* 15 (1883) 287; Gibbs in *Journ. Linn. Soc. Bot.* 42 (1914) 97.

Dutch Borneo, *Teysmann*; British North Borneo, *Gibbs 4118*, *Clemens 10453!*, *Haslam!*; Sarawak, *Native collector 2032!* *Bur. Sci.* Pantropic.

1. **Ageratum conyzoides** Linn. *Sp. Pl.* (1753) 839; Martelli in *Nuov. Giorn. Bot. Ital.* 15 (1883) 288.

Sarawak, *Beccari 824*; British North Borneo, *Villamil 311!*, *Clemens 11239!* Pantropic; a weed of American origin.

1. **Eupatorium triplinerve** Vahl *Symb.* 3 (1794) 97. *Eupatorium ayapana* Vent. *Jard. Malm.* (1803) t. 3; *Miq. Fl. Ind. Bat.* 2 (1857-59) 26.

Borneo, fide *Miquel* l.c. Widely distributed in the tropics, cultivated and naturalised, a native of tropical America.

1. **Mikania scandens** (Linn.) Willd. *Sp. Pl.* 3 (1800) 1743; Martelli in *Nuov. Giorn. Bot. Ital.* 15 (1883) 288; Gibbs in *Journ. Linn. Soc. Bot.* 42 (1914) 97. *Mikania volubilis* Willd.; *Miq. Fl. Ind. Bat.* 2 (1857-59) 28.

Dutch Borneo, *Teysmann*; Sarawak, *Hose 170!*, *279!*, *Beccari 459*; British North Borneo, *Gibbs 2739*, *Clemens 10212!*, *9774!* Pantropic.

1. **Dichrocephala latifolia** (Lam.) DC. in *Guill. Archiv. Bot.* 2 (1833) 518; Stapf in *Trans. Linn. Soc. Bot.* 4 (1894) 188.

British North Borneo, *Haviland 1274*, *Clemens 10017!*, *10452!* Tropical Asia and Africa to Malaya.

1. **Lagenophora gibbsiae** Merr. in *Journ. Str. Branch Roy. As. Soc.* 77 (1917) 246.

British North Borneo, *Clemens 10560!* Endemic.

1. **Erigeron linifolius** Willd. *Sp. Pl.* 3 (1800) 1955.

Sarawak, *Native collector 2456!* *Bur. Sci.* Most warm countries.

1. **Blumea balsamifera** (Linn.) DC. *Prodr.* 5 (1836) 447; Martelli in *Nuov. Giorn. Bot. Ital.* 15 (1883) 293; Gibbs in *Journ. Linn. Soc. Bot.* 42 (1914) 98.

Dutch Borneo, *Teysmann*; British North Borneo, *Gibbs 3115*, *Villamil 307!*, *310!*; Sarawak, *Hose 400!*, *Native collector 143!*, *726!*, *2045!* *Bur. Sci.* India to Malaya.

2. **Blumea borneensis** S. Moore ex Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 98.

British North Borneo, *Gibbs* 2629, *Clemens* 10333! Endemic.

3. **Blumea chinensis** (Linn.) DC. Prodr. 5 (1836) 444; Martelli in Nuov. Giorn. Bot. Ital. 15 (1883) 292; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 97.

Sarawak, *Beccari* 770, *Native collector* 2003! *Bur. Sci.*; British North Borneo, *Gibbs* 2628, *Clemens* 11023!, 10174!

Var. **riparia** (Blume) King & Gamble in Journ. As. Soc. Beng. 74|2 (1905) 32.

Borneo, fide *King & Gamble* l.c. India to southern China, the Philippines, and Malaya.

1. **Pluchea indica** (Linn.) Less. in Linnaea 6 (1831) 150; DC. Prodr. 5 (1836) 451; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 98. *Conyza indica* Blume; Miq. Fl. Ind. Bat. 2 (1857-59) 58.

British North Borneo, *Gibbs* 4322, *Clemens* 9679!, 9544!, 11254!, *Topping* 1390! India to Australia, near the sea.

1. **Sphaeranthus africanus** Linn. Sp. Pl. ed. 2 (1763) 1314; Boerl. Handl. Fl. Nederl. Ind. 2|1 (1891) 240.

Borneo, fide *Boerlage* l.c. Tropics of the Old World.

1. **Gnaphalium luteo-album** Linn. var. **multiceps** Hook. f. Fl. Brit. Ind. 3 (1881) 288; Stapf in Trans. Linn. Soc. Bot. 4 (1894) 187.

British North Borneo, *Burbidge*. Most warm countries.

1. **Xanthium strumarium** Linn. Sp. Pl. (1753) 987; Boerl. Handl. Fl. Nederl. Ind. 2|1 (1891) 241. *Xanthium indicum* Koen. var. *inaequilaterum* (DC.) Miq. Fl. Ind. Bat. 2 (1857-59) 68.

Borneo, fide *Miquel* l.c. Pantropic.

1. **Eclipta alba** (Linn.) Hassk. Pl. Jav. Rar. (1848) 528; Martelli in Nuov. Giorn. Bot. Ital. 15 (1883) 295. *Eclipta erecta* Linn. Mant. 2 (1771) 286; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 99.

Sarawak, *Beccari* 2202, *Hose* 69!; British North Borneo, *Gibbs* 2859, *Clemens* 11234! All warm countries.

1. **Wedelia biflora** (Linn.) DC. in Wight Contrib. (1834) 18; Martelli in Nuov. Giorn. Bot. Ital. 15 (1883) 296. *Wedelia scabriuscula* DC.; Miq. Fl. Ind. Bat. 2 (1857-59) 71.

Sarawak, *Beccari* 2173, *Native collector* 381!, 1087!, 1414!, 2197! *Bur. Sci.*, *Hose* 616!; British North Borneo, *Clemens* 9686! Along the seashore, tropical Asia to Polynesia.

1. **Spilanthes acmella** (Linn.) Murr. Syst. (1774) 610. *Spilanthes pseudo-acmella* Murr. l.c.; Miq. Fl. Ind. Bat. 2 (1857-59) 80.

Borneo, fide *Miquel* l.c. Pantropic.

2. **Spilanthes urens** Jacq. Enum. Pl. Carib. (1760) 28; Martelli in Nuov. Giorn. Bot. Ital. 15 (1883) 296.

Sarawak, *Beccari* 1750. Tropical America.

1. **Synedrella nodiflora** (Linn.) Gaertn. Fruct. 2 (1791) 456, t. 171; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 99.

British North Borneo, *Gibbs* 2788, *Clemens* 9611; Sarawak, *Native collector* 2164! *Bur. Sci.* A pantropic weed of American origin.

1. **Bidens pilosa** Linn. Sp. Pl. (1753) 832; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 99.

British North Borneo, *Gibbs* 2866, 2724. Pantropic.

1. **Chrysanthemum indicum** Linn. Sp. Pl. (1753) 889.

British North Borneo, *Clemens* 9729!, 9730! Widely cultivated in the warmer parts of the World, a native of China.

2. **Chrysanthemum marginatum** Korth. ex Miq. Fl. Ind. Bat. 2 (1857) 86, in syn.; Boerl. Handl. Fl. Nederl. Ind. 2 (1891) 243. *Pyrethrum marginatum* Miq. Fl. Ind. Bat. 2 (1857) 85.

Dutch Borneo, *Korthals*. Endemic; perhaps not a representative of this genus.

1. **Centipeda minima** (Linn.) A. Br. & Aschers. Ind. Sem. Hort. Berol. (1867) App. 6. *Artemisia minima* Linn. Sp. Pl. (1753) 849. *Myriogyne minuta* Less. in *Linnaea* 6 (1831) 219; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 99. *Centipeda orbicularis* Lour. Fl. Cochinch. (1790) 493; Martelli in Nuov. Giorn. Bot. Ital. 15 (1883) 298.

British North Borneo, *Gibbs* 3116, *Clemens* 11269!; Sarawak, *Beccari* 3019. Widely distributed in the tropics of the Old World.

1. **Erechtites valerianifolia** (Wolf) DC. Prodr. 6 (1837) 295.

Dutch Borneo, *Teysmann*; Sarawak, *Native collector* 727! *Bur. Sci.*; British North Borneo, *Haslam*! Pantropic; of American origin.

1. **Gynura albicaulis** W. W. Sm. in Notes Bot. Gard. Edinb. 8 (1915) 322.

Sarawak, *Haviland* 1500, *Native collector* D2 Edinb. Endemic.

2. *Gynura sarmentosa* (Blume) DC. Prodr. 6 (1837) 298; Miq. Fl. Ind. Bat. 2 (1857-59) 97; Martelli in Nuov. Giorn. Bot. Ital. 15 (1883) 299; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 99.

Dutch Borneo, *Teysmann 11309*; British North Borneo, *Gibbs 3944*, *Clemens 10176!* Tropical Asia through Malaya to New Guinea.

1. *Emilia sonchifolia* (Linn.) DC. Prodr. 6 (1837) 302; Martelli in Nuov. Giorn. Bot. Ital. 15 (1883) 300; Gibbs in Journ. Linn. Soc. Bot. 42 (1914) 99. *Emilia purpurea* Cass.; Boerl. Handl. Fl. Nederl. Ind. 2|1 (1891) 244.

Sarawak, *Beccari 50*, *Native collector 322!*, *2548!* *Bur. Sci.*; British North Borneo, *Gibbs 2675*, *Clemens 10194!*, *9665!*, *Villamil 304!* Pantropic.

1. *Carthamus tinctorius* Linn. Sp. Pl. (1753) 830; Miq. Fl. Ind. Bat. 2 (1857-59) 106.

Borneo, fide *Miquel l.c.*; in scattered cultivation throughout India and Malaya; the safflower.

1. *Sonchus arvensis* Linn. Sp. Pl. (1753) 793.

Sarawak, *Native collector 2452!* *Bur. Sci.*; British North Borneo, *Clemens 10456!* All warm countries.

1. *Lactuca kanitziana* Martelli in Nuov. Giorn. Bot. Ital. 15 (1883) 302.

Sarawak, *Beccari 3020*. Endemic.

2. *Lactuca retrorsidens* Merr. in Journ. Str. Branch Roy. As. Soc. 77 (1917) 245.

British North Borneo, *Clemens 10623!* Endemic.

1. *Crepis japonica* (Linn.) Benth. Fl. Hongk. (1861) 194.

British North Borneo, *Clemens 10050!*, *10370!* Widely distributed in the warmer parts of the Old World.

Postscript.

After the consideration of the Orchidaceae was printed (pp. 134-204) a very important contribution to our knowledge appeared in Ames' and Schweinfurth's "Orchids of Mount Kinabalu, British North Borneo" (Ames, *Orchidaceae* 6 (1920) xiv and 1-233, t. 80-97). In this paper 222 species are enumerated, including 110 described as new. These new species are ascribed to the genera *Habenaria*, *Chlorosa*, *Goodyera*, *Kuhlhasseltia*, *Vrydagzyna*, *Nephela-*

phyllum, *Coelogyne*, *Dendrochilum*, *Pholidota*, *Nabalua* (gen. nov.)
Malaxis, *Oberonia*, *Liparis*, *Arundina*, *Dendrobium*, *Eria*, *Ceratostylis*,
Agrostophyllum, *Chilopogon*, *Appendicula*, *Bromheadia*, *Phaius*,
Calanthe, *Bulbophyllum*, *Thelasis*, *Eulophia*, *Grammatophyllum*,
Cymbidium, *Thrixspermum*, *Trichoglottis*, *Malleola*, *Sarcanthus*, and
Microsaccus. A number of species previously described from extra
Bornean material are also ascribed to Borneo for the first time. This
brings the number of orchids known to occur in Borneo from 656 as
stated on p. xv. above, to 776.

E.D.M.

ADDENDA.

Araceae (pp. 86-109).

Alocasia crassinervia Engl. Pflanzenreich 71 (1920) 82.
Borneo, cultivated at Buitenzorg, Java. Endemic.

Amorphophallus hewittii v.A.v.R. in Bull. Jard. Bot.
Buitenz. III 1 (1920) 370.

Borneo (probably Sarawak) *Hewitt*. Endemic.

Lasia concinna v.A.v.R. op. cit. 379.

Borneo, in cultivation at Buitenzorg, Java. Endemic.

Pothos longivaginat v.A.v.R. op. cit. 380.

Dutch Borneo, *Jaheri* 1159. Endemic.

Raphidophora celatocaulis v.A.v.R. op. cit. 382. *Pothos celatocaulis* N. E. Br.; see p. 86.

Raphidophora hallieri v.A.v.R. op. cit. 385.

Dutch Borneo, *Hallier* 1187. Endemic.

Scindapsus glaucescens (Engl. & Krause) v.A.v.R. op. cit. 387. *Epipremnum glaucescens* Engl. & Krause p.p.; see p. 89.

Scindapsus mamilliferus v.A.v.R. op. cit. 387. *Raphidophora glaucescens* Engl. & Krause p.p.; see p. 89.

Orchidaceae.

Vanilla havilandii Rolfe in Kew Bull. (1918) 236.

Sarawak, *Haviland*, *Ridley*. Endemic.

Fagaceae (p. 211).

Quercus hypophoenicea von Seem. in Engl. Bot. Jahrb. 23
(1897) Beibl. 57: 52.

Sarawak, *Beccari* 2287. Endemic.

Rubiaceae (p. 550).

Neurocalyx corallinus Valeton in Fedde Repert. 12 (1913)
513.

Sarawak, *Hewitt*. Endemic.

Neurocalyx borneensis Valeton op. cit. 514.

Dutch Borneo, *Teysmann*, *Hallier* B 499. Endemic.

Neurocalyx elatus Valeton op. cit. 514.

Dutch Borneo, *Nieuwenhuis* 1655. Endemic.

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