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**C. L. Ledermann's collection of flowering plants from the Caroline Islands****Abstract**

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A survey is given on C. L. Ledermann's collection of flowering plants gathered from October 1913 to March 1914 on the Caroline Islands, notably on Ponape and Palau. All collection numbers are listed with their correct identifications and their full locality data; notes on nomenclatural status are included as well as on the herbaria, where the specimens are deposited. In addition, several species of flowering plants from the Carolines are described as new to science, i.e. *Glochidion deistanthoides*, *G. excorticans*, *G. excorticans* var. *calvum*, *G. hosokawae*, *G. websteri* (Euphorbiaceae) and *Sterculia ellipticifolia* (Sterculiaceae). The name *Althernanthera paronychioides* var. *bettzickiana* (Amaranthaceae) is validated and miscellaneous notes on several species of Apocynaceae, Euphorbiaceae, Ulmaceae and Verbenaceae are included. A list of missing type specimens of Ledermann's collection is also provided as well as a list of Ledermann's extant specimens of flowering plants arranged according to family, genus and species.

1. Introduction
2. Miscellaneous notes
3. Numerical list of Ledermann Micronesian collections
4. Missing Ledermann types
5. Ledermann specimens listed by family

**1. Introduction** (by F. R. Fosberg)

Carl Ludwig Ledermann was born on 29 July 1875 in Cennier near Neuchâtel in Switzerland; he studied at the University of Heidelberg and joined in 1904 the Botanical Garden in Victoria, then German Cameroon. After extensive collecting in tropical Africa (Zaire 1904–06, Cameroon 1908–09) Ledermann took part in the German Kaiserin-Augusta-Fluß-Expedition to New Guinea (1912).

Due to several publications by Ledermann and by other authors we are rather well informed about his stay in Africa (e.g. Hepper 1974) and New Guinea (e.g. Stollé 1914). In contrast very little is known about Ledermann's subsequent visit to Micronesia, where he collected in Ponape (10. 1913 – 1. 1914), Truk (1. 1914), Rota (probably 1. 1914 long enough to collect at least one specimen), and Palau (2.–3. 1914). Judging by the spread of his collection numbers, he made over 1440 collections, i.e. *Ledermann 13133–14576*, with at least a few duplicates of many of them. Information on the circumstances of this expedition is remarkably scarce. I have not seen a published account and his collections are apparently the only trace he left behind.

When the First World War broke out Ledermann returned to Europe, joined the German armed forces as a volunteer and took part in military action in the Carpathians and the Balkans. There is no evidence that he continued botanical collecting afterwards; he lived in Berlin in the Thirties and moved to Untereisenheim near Würzburg in 1939. Ledermann died in February 1958 in Volkach in the Federal Republic of Germany at the age of 83 years (Anon. 1958, van Steenis-Kruseman 1958). A brief biographical account and a portrait had been published earlier in *Flora Malesiana* (van Steenis-Kruseman 1950).

Ledermann's Micronesian collections went to Berlin during Engler's regime, and the Berlin staff and associates systematically worked up at least most of the families. Their results were primarily published in *Botanische Jahrbücher für Systematik, Pflanzengeschichte und Pflanzengeographie* over a period of years, up to at least 1930. These papers form the basis of the botany of the Caroline Islands.

The first set of Ledermann's Micronesian collections was incorporated into the herbarium of the Botanical Museum Berlin-Dahlem and duplicates were distributed to several institutions, e.g. the Royal Botanic Gardens Kew and the B. Bishop Museum, Honolulu. The bombing of the Botanical Museum Berlin-Dahlem and the subsequent fire in the night from 1 March – 2 March 1943 resulted in an almost complete destruction of the herbarium. Fortunately the fern collection was not affected and survived intact; consequently the first set of Ledermann's Micronesian ferns are still extant at the Botanical Museum Berlin-Dahlem, they are not dealt with in this paper.

The collection of flowering plants suffered terrible losses, but in several families type material had been extracted and survived, e.g. in *Piperaceae* (Hiepko 1978); in these cases type material belonging to Ledermann's first set of Micronesian collections has also remained intact. However, the bulk of the first set had been destroyed during the Second World War.

Since that time, Micronesian botany, both Japanese and American, has included a strong component of guessing, since so many species were apparently without type specimens. We did our best with descriptions and later collections to interpret the German literature, but not always with much confidence.

Hence it was with great excitement that we heard that a large partial set of undistributed Ledermann duplicates had escaped destruction and was in possession of the resurgent herbarium of the Botanical Museum Berlin-Dahlem. Being aware of our interest in the Micronesian flora, the authorities in Berlin offered to send the Micronesian part of the collection of flowering plants to me on loan. We have had these specimens on loan for some time and have determined them according to our current ideas. I have indicated which are isotypes (IT), syntypes (ST), or paratypes (PT) and selected lectotypes where appropriate, stating reasons for my selections. In addition, data on duplicates located in other herbaria are included, as well as locality information from specimen labels and the numbers for which we have found no specimens.

It will be noticed that numbers and sequences of numbers occur with nothing listed. These represent either non-flowering plants or unicats that have been destroyed by the bombing of the Botanical Museum Berlin-Dahlem. Of some of the latter there may be duplicates in other herbaria where we have not encountered them. The Ledermann duplicates at Kew have only partly been located and recorded. Hopefully some of the missing type collections will turn up in herbaria at Kew, Bishop Museum, and other institutions that exchanged specimens with Berlin in the first third of this century. Some collections not accounted for here may have been cited in monographs like the series of revisions published in Engler's *Pflanzenreich*. I have located a few of these, but have not had the time to make a systematic search for them.

#### Principles governing choice of lectotypes

If a particular collection, by number, or otherwise, is indicated as type (by some authors contributing to Diels' *Micronesia* series published in *Botanische Jahrbücher für Systematik, Pflanzengeschichte und*

Pflanzengeographie as “Original der Art”) its duplicates, if any survive, are isotypes, and one of these is selected as lectotype, and reason given for the selection.

If another author, not in this series has selected and published a type or lectotype, and if it does not conflict with the description, it is accepted as type or lectotype, or if lost or destroyed, one of its duplicates is selected. If the selection has not been published, it is either ignored or redesignated.

If only one collection was cited, selection is from its surviving isotypes.

If more than one collection was cited and no type was designated by the author, all cited collections are considered syntypes and one particular sheet is designated lectotype and reason(s) given.

If more than one collection are cited, one being indicated by the author as type or “original”, but this collection including its duplicates, is missing, the other collections cited are treated as paratypes and one sheet is designated as lectotype.

Duplicates of sheets selected as lectotype may be called isolectotypes.

### Arrangement of combined list

In order to facilitate retrieving the data for a particular collection number, a combined list of Ledermann Micronesian collections is arranged numerically, with the names, as identified and accepted by me. In addition, for each of these, the locality and elevation, as recorded from the specimen labels, is indicated, the type status, if any, is specified by symbols (T, IT, ST, PT) in the fourth column, and the herbarium where the specimen is located, is given in the third column by Lanjouw symbols in parentheses. An explanation is given if the specimen is regarded as type of a name; if this name is a synonym the name is given in this explanation.

A specimen cited in literature by number, but not found in the collection studied or located in a herbarium, is listed and indicated by m (standing for missing) in the third column, the m without parentheses and in lower case distinguishes it from a herbarium symbol. Its type status, if known, is indicated in the fourth column. The names listed for these are the names given in the publications where they are cited, not corrected by me (Fosberg) as I have not seen the specimens.

Numbers listed with no information are either non-flowering plants or those for which no specimen or citation have been found. Some of these doubtless exist in other herbaria, and if located, may be listed in future addenda to this paper.

### Miscellaneous notes (by F. R. Fosberg)

#### *Amaranthaceae*

*Alternanthera paronychioides* A. St. Hil. var. *bettzickiana* (Regel) Fosberg, **comb. nova**

= *Telanthera bettzickiana* Regel in Gartenflora 11: 178 (1862); Ind. Sem. Hort. Petrop. 28 (1862).

= *Alternanthera ficoidea* (L.) J. E. Smith var. *bettzickiana* (Regel) Backer in van Steenis, Fl. Males. 4: 93 (1949).

This epithet of a much-named and confused tropical ornamental border-plant must now be transferred to *Alternanthera paronychioides*, generally considered to be the older available name for the plant heretofore called *Alternanthera ficoidea* (L.) J. E. Smith. This results from the action of the Berlin Congress, 1987, ratifying the rejection of *Gomphrena ficoidea* L., the basionym of *A. ficoidea*.



*Apocynaceae*

*Cerbera manghas* L., Sp. Pl. 208 (1753); Markgraf in Bot. Jahrb. Syst. 63: 285 (1930).

## Specimen examined:

Caroline Islands: Ponape, Patapan, Buschwald am Thol, Nov. 1913, *Ledermann 13455* (B).

Although this is a syntype of *C. dilatata*, its narrow leaves with abrupt subulate points do not fit well with that species. It is the only basis for the reputed presence of *C. dilatata* on Ponape or outside the Marianas. The specimen is sterile, and my conclusion is that it belongs in *C. manghas* L. I deliberately exclude it from *C. dilatata* Markgraf; in the key *C. dilatata* is said to occur "nur auf den Marianen", but this Ponape specimen is cited following the description (Markgraf 1930).

*Cerbera dilatata* Markgraf in Bot. Jahrb. Syst. 63: 285 (1930).

## Specimens examined:

Iles Mariannes, *Gaudichand* (G) "Plumeria, Tchiouti incol." (det. R. E. Woodson, Jr. as *C. manghas*) (only 1/2 fruit), seeds with a circular wing and probable duplicate in Paris, are also syntypes of *C. dilatata*. One of them may eventually have to be designated lectotype of *C. dilatata*. Markgraf (1930) cites also *Fritz s.n.* in 1903, from Saipan, *Höfer 41* also from Saipan, and *Kersting (Gibbon) 1162* from Tinian. The latter specimens were doubtless destroyed in the Berlin bombing.

*Clitandropsis insularis* Markgraf in Bot. Jahrb. Syst. 63: 281 (1930); Kanehira in J. Dept. Agric. Kyushu Imp. Univ. 4: 394 (1935); Kanehira & Hatusima in Bot. Mag. (Tokyo) 53: 190 (1939); Fosberg, Sachtet & Oliver in Micronesia 15: 215 (1979).

This species is known from Malakal and Babeldaob islands, Palau. The fragment of *Ledermann 14419* at Kyushu University herbarium (FU) was compared with and corresponded very well with collections by *Kanehira & Hatusima 4953* (FU) and *Hatusima 4721* (FU). The fruit (not described by Markgraf) on no. 4721 is spherical, 3–4 cm in diameter. The (B) sheet of *Ledermann 14419* is designated lectotype.

*Euphorbiaceae*

*Glochidion excorticans* Fosberg, *spec. nova*

Typus: *Ledermann 13643x* (Holo- B).

Frutex vel arbuscula, ramulis excorticantibus, foliis tenuibus ovatis vel ellipticis, valde acuminatis, basim vix asymmetricis, nervis 4-jugatis, laminis infra subtiliter reticulatis, petiolis 1.5–2.5 mm; stipulis late triangularibus acute acuminatis; floribus monoeciis, fasciculatis, pulvinatis, brevipetiolatis, pulvinis aliquantum ad 5 mm elongatis vermiformibus, recurvantibus; pedicellis brevibus staminatis raro 2–3 mm, pistillatis brevioribus; tepalis anguste ovatis, acutis, 1–1.5 mm; stylis in columna connatis perianthum superantibus ad apicem vix denticulatis; capsula globosa 1 cm diametro, 6-loculari.

Much branched shrub (or small tree, no information given on labels); older branchlets conspicuously shedding flakes of very thin brown bark, leaves up to 13 x 7.5 cm, usually smaller, ovate to somewhat oblong or elliptic, rarely slightly obovate, acute to usually sharply acuminate, base obtuse to



rounded or subcordate, usually nearly symmetric, blade thin, principal veins usually 4 on a side with occasionally a few weaker ones, arching at margin and anastomosing, secondary veins ladder-like in arrangement, network fine and giving a notably reticulate appearance on lower surface, texture thin, petiole short, 1.5–2.5 mm long, rather thick; stipules broad at base, triangular and sharply acuminate; flowers monoecious in fascicles on scaly-bracted pulvini, 1-several pulvini in an axil, bearing 1-few florets at a time, but on older branchlets elongating to as much as 5 mm, recurving, worm-like, densely covered by pedicel-scars and scales; pedicels short, staminate rarely 2–3 mm, filiform, pistillate shorter but becoming slightly longer in fruit; tepals ovate, acute, rather narrow, 1–1.5 mm long, buds with receptacle to 2 mm, styles completely fused into a subulate column that notably exceeds the perianth, scarcely toothed at apex, elongating somewhat in fruit; capsules globose, about 1 cm in diameter, about 6-celled, but well-developed ones scarcely available.

Two forms or varieties are evident in the material at hand, one with stems, undersides of leaves, and stipules sparsely short pilose or pilosulous, the base of the stylar-column usually puberulent, the other glabrous throughout.

This species seems endemic to Ponape, and probably includes the plants from there that have been called *G. marianum*.

The epithet alludes to the conspicuously excorticating bark noted on practically all specimens.

*Glochidion excorticans* Fosberg var. *excorticans*

Planta brevis pubescens.

Stems, under surfaces of leaves and stipules, and usually the base of stylar column, short pubescent.

Specimens examined:

Caroline Islands: Ponape, s.l., *Ledermann* 13643x, 13753 (B, US), 13754 (B), 13809 (B), 13815 (B), 13834 (B, 2 sheets).

*Glochidion excorticans* var. *calvum* Fosberg, var. *nova*

Typus: *Ledermann* 13333 (Holo- B)

Planta tota glabra.

Specimens examined:

Caroline Islands: Ponape, s.l., *Ledermann* 13333, 13443 (B), 13552 (B, 2 sheets), 13643 (B, 2 sheets).

*Glochidion hosokawae* Fosberg, spec. *nova*

Typus: *Fosberg* 60467 (Holo- US, iso- BISH, L)

Arbuscula glabrata, caulibus aliquantum angulatis; foliis oblongis obtuse acuminatis, basi aliquantum asymmetricis, nervis 6–8 jugatis; floribus in fasciculis separatis in axillis foliorum, floribus staminatis plerumque in ramis proximalibus, pistillatis in ramis distalibus, interdum in fasciculis mixtis; floribus hexameris pedicellatis; floribus staminatis perianthio rotato, staminibus 6 connatis, cylindro antherarum fusco ad apicem atrotuberculato; floribus pistillatis lobis perianthii erectis ovario puberulento stigmatato connatis subglobosis; capsula conferta depresso-globosa, 7 x 3 mm, dense puberulenti.

Small tree, stems glabrous except minutely puberulent at extreme tips, somewhat angled; leaves oblong, base somewhat asymmetric, apex bluntly acuminate, (6-)7-(8) veins on a side, petiole short but evident; flowers in fascicles in leaf axils, staminate and pistillate in separate clusters with staminate mostly toward bases of branchlets, or, also on same plant, mixed, staminate flowers on mostly notably longer more filiform pedicels, perianth rotate or nearly so, 6-parted, 3 outer segments broader than inner, all pale yellow-green, recurring in age; stamens with filaments united into a short androphore, 6 anthers united into a cylinder, dull brown, a black tubercle or appendage at end of cylinder; pistillate perianth also of 6 segments, these erect, scale-like, the outer smaller, ovary puberulent, stigmas united into a subglobose mass which persists as a short cylinder on the fruit; fruits persisting in dense clusters on short pedicels, depressed globose, about 7 mm wide, 3 mm high, minutely but densely short-puberulent, persistent stigmas cylindrical of slightly tapering, blunt, less than 1 mm long; seeds with glossy orange aril.

This species is notable for its small densely clustered fruits, cylindrical featureless persistent stigmatic remnant, and especially for having all stages of both sexes on the same plant simultaneously.

I take pleasure in dedicating this species to the late Professor Tadashi Hosokawa of Kyushu University, who contributed more than anyone else to our knowledge of Micronesian *Glochidion*.

**Specimen examined:**

Caroline Islands: Ponape, Awak, on a high open road cut in swampy forest back of mangrove, 25. 8. 1980, Fosberg 60467.

***Glochidion websteri* Fosberg, spec. nova**

Typus: *Ledermann 14507* (Holo- B).

Planta lignosa, ramulis griseis vix puberulentis; foliis ovatis vel late ellipticis apicibus plerumque acuminatis basim obtusis vel rotundatis, petiolis 5-6 mm longis; stipulis nullis vel obsoletis; floribus pistillatis brevipedicellatis in fasciculis 1-25-meris, pulvinis valde squamatis axillaribus; perianthiis hexameris segmentis biseriatis basim vix imbricatis subaequalibus marginibus vix ciliolatis; staminodia desunt; ovario 6-loculari, ovulis in loculo binis, stylo crasso columnari ad apicem 6-lobato, lobis incurvis; floribus staminatis fructibusque ignotis.

Ligneous plant with slender grayish branchlets, entirely glabrous except for slight minute ciliation or puberulence on basal parts of perianth segments and around nodes; internodes 1-2(-2.5) cm long; densely hispidulous-ciliolate bracteal scales; leaves alternate, ovate to ovate-oblong or broadly elliptic, mostly acuminate, base rounded to obtuse or somewhat acutish, blade firm-chartaceous, veins 4-6 on a side, anastomosing toward margins, secondary veins in a somewhat ladder-like arrangement, network clear but not prominent, a weak submarginal vein usually present, margin entire, petiole slender, 5-6 mm long; stipules none or perhaps represented by slight triangular ridges below petiole attachment; flowers on short (1-2 mm) pedicels in fascicles on small very scaly axillary protuberances or pulvini, 1-25 flowers in a cluster; perianth of six ovate segments in 2 whorls of 3 members each, erect or subspreading, subequal, outer slightly overlapping inner at base, on a slightly thickened receptacle, segments of firm texture with thin, slightly ciliolate margins; only pistillate flowers known; no staminodia evident; ovary shorter than perianth, (5-)6-loculed, 2 ovules in each locule, placentation axile; style very thick, columnar, about 2-2.5 mm long, branches very short, closely incurved, appearing as 6 rather blunt lobes; staminate flowers and fruit unknown.

**Specimen examined:**

Caroline Islands: Palau: s.l., *Ledermann 14507*.

***Glochidion cleistanthoides* Fosberg, spec. nova**Typus: *Ledermann 13599a* (Holo- B).

Planta caule flexuoso sparse tomentello, longitudine porcato; foliis apparenter pseudodistichis, ovato-oblongis, circa 9 x 3 cm, apice obtuse acuminatis, basi acutis vel obtusis, infra sparse puberulentis, nervis 4–10 jugatis; stipulis parvis auriformibus; floribus hexameris, fasciculatis in pulvinis squami-bracteatibus, bracteis minute ciliatis, pedicellis inaequalibus, in floribus pistillatis brevioribus; tepalis biseriatis, antheribus oblongis erectis connatis vel contiguis, sessilibus; floribus pistillatis cum tepalis ovatis pistillo dimidio longis et ad pistillum lanatum adpressis; capsula deest.

Stems slender, slightly zig-zag, sparsely tomentellous, with longitudinal ridges; internodes 1–2 cm long; leaves apparently falsely distichous, ovate-oblong, to 9 x 3 cm, margin entire, blade bluntly acuminate, base acute to obtusish, glabrous above, sparsely puberulent beneath, veins about 4–10 on a side, with ladderlike secondary veins and several orders of network, blade somewhat decurrent on puberulent petiole 3–5 mm long; stipules very small, ear-like, opening outward and downward; flowers in monoecious fascicles on densely scaly-bracted, very condensed dwarf-branchlets or pulvini, the bracts minutely ciliate; pedicels unequal, 2–5 mm long, in staminate flowers longer and more numerous, in pistillate flowers shorter and tending to be in separate fascicles; tepals 6, in 2 whorls, those of staminate flowers ovate-oblong, about 1.2–1.5 mm long, apex rounded, inner series slightly smaller and more ovate; anthers 5–6, erect, contiguous or connate, sessile; pistillate flowers with tepals smaller, more ovate, more pointed, closely appressed to, and about half as long as, the ovoid, densely woolly, blunt pistil; pistil slightly lobed at tip.

This species is not close to any of the other known Micronesian or Polynesian species of *Glochidion* known to me. A superficial resemblance to the genus *Cleistanthus* was misleading, but Prof. Grady L. Webster, specialist in *Euphorbiaceae-Phyllanthaeae*, confirmed that it falls within the limits of a broad definition of *Glochidion*.

## Specimen examined:

Caroline Islands: Ponape, 1913, *Ledermann 13599a*.

***Homalanthus fastuosus*** (Muell. Arg.) Fernandez-Villar in Blanco, Fl. Filip. ed. 3, Nov. App. 196 (1879).

A collection of *Homalanthus* from Ponape, i.e. *Ledermann 13797* (B, K), differs conspicuously from the common Micronesian and widespread *H. nutans* (Forster f.) Guillemain, in having peltately attached leaves. In this respect, at least, it matches the Philippine *H. fastuosus*, of which I have examined a considerable series in US, which shows a very considerable variation. It was by Merrill considered a Philippine endemic, but has since been found more widely, at least in the Solomon Islands, e.g. *Gafui 18648* (K). I am rather hesitant about extending its distribution to Micronesia on the basis of one sterile collection, but it seems to agree in all features present on this collection. This would add another species to the clear phyto-geographic connection between Micronesia and the Philippines, which is shown by Micronesian species of *Acalypha*, *Pinanga*, *Exorrhiza*, *Sciaphila*, and others. It should be looked for and recollected in fertile condition, to check the possibility that it could be an undescribed species.

***Sterculiaceae******Sterculia ellipticifolia* Fosberg, spec. nova**Typus: *Ledermann 13525* (Holo- B).



Frutex vel arbuscula, ramificationibus pseudodichotomis ramis diametro inaequalibus, caulibus cylindricis furfuraceis, cicatricibus foliorum orbicularibus vel reniformibus ornatis; foliis ellipticis oblongis vel obovatis, subcoriaceis, glabris vel subglabris, petiolatis, petiolis ad 2.5 cm longis; stipulis tuberculiformibus valde reductis vel obscuris; paniculis brevibus ad 4.5 cm longis axillaribus ad nodis, minute stellato-pubescentibus; floribus sessilibus articulatis ad pedicellis, calycibus dense stellato-tomentosis campanulatis vel late crateriformibus, lobis 4–6, intus plicatis, ovatis; floribus staminatis intus fundo dense albo-hispido circa androphorum crassum brevissimum, androceo duplici annulato 10–12 antherum filamentis connato discum pistillodium cingente; flores pistillati fructusque desunt.

Shrub or tree, branching appearing dichotomous with branches of forks unequal in thickness; branchlets cylindric, slightly irregularly sulcate when dry, subscurfy; leaf scars broadly prominent, orbicular to almost reniform, with a broad rounded indentation distally, filled by a firm ovoid-conic bud, the caducous sheath of which leaves a circular scar, with the incipient bud in its center; leaves elliptic to somewhat oblong or obovate, to 12 x 6 cm, shortly bluntly acuminate, base acute or obtusish, blade subcoriaceous, glabrous or almost so, 5–7 nerves on a side, prominent beneath, weakly anastomosing near margin, network much less conspicuous, venation more obscure above, base conspicuously articulate to summit of petiole, petiole stiff, to 2.5 cm long; stipules reduced to slightly elongate tubercles or obscure; panicles 1–2 at a node, small, to 4.5 cm long, tending to be decurved, branched at base, branches with several to few short pedicels, whole inflorescence finely stellate-tomentose, with early-caducous lanceolate bracts; pedicels 4–5 mm long, articulate to a slightly thicker very short stipitate receptacle-base (possibly better interpreted as a very short pedicel on a pedicel-like inflorescence-branchlet); calyx densely stellate-tomentose outside, much less so within, cup campanulate to broadly bowl-shaped, slightly fluted, 5 mm long, lobes 5(4–6) ovate, 5.5–6 mm long, acute, fluted or plicate within; staminate flowers with base of perianth densely white-hispid within around the androphore, the latter thick, somewhat tapering, less than 1 mm high, very sparsely hispid; androecium a double ring of about 10–12 anthers on very short connate filaments forming a disk surrounding an erect cylindric 5–6-lobed pistillode; anthers dehiscing by a transverse broad slit, the opening directed outward or slightly downward; pistillate flowers and fruits not available.

The relationships of this species are not clear, but it is scarcely related to any known Micronesian species. Its leaves resemble those of the one available specimen of *S. blumei* G. Don, but the inflorescences of this are much different and more slender. The leaves also are similar to those of several unidentified specimens from New Guinea, but again, the inflorescences are different.

Specimen examined:

Caroline Islands: Ponape, s.l., 1913, *Ledermann 13525*.

*Ulmaceae*

*Celtis* spec. (no. 1)

Small branches gray, puberulent when very young, strongly lenticellate; leaves thinly stiff-coriaceous, ovate to broadly ovate, slightly asymmetric at base, apparently acuminate (but points mostly broken off specimen), very small punctiform cystoliths abundant but not prominent, blade moderately trinerved, petiole less than 1 cm long; stipules or bud-scales small, triangular, slightly acuminate, early caducous, scars becoming prominent and corky; small (3–4 cm) panicles terminal and in upper axils; pedicels very short, buds appearing sessile; tepals broadly ovate, ciliate; specimen in bud and fruit only; drupe broadly ovate, 6 x 5 mm, apex conic, base broadly rounded to almost subtruncate, flesh drying

very wrinkled, sub-persistent stigmas lance-linear, sparsely hirsutulous, recurved, disk at base very woolly-hirsute; endocarp globose, inconspicuously coarsely rugose.

This specimen would be placed in *Celtis paniculata* (Endl.) Planchon in the broadest sense, but that species is an aggregate that has not been clarified as yet. A description of this specimen is offered here to help in the eventual clarification of the Micronesian and Polynesian *Celtis* species. The leaves are much too thick to fit the poorly known *Celtis palauensis* Kanehira & Hatusima.

Specimen examined:

Caroline Islands: Palau, s.l., *Ledermann* 14263 (B).

### *Celtis* spec. (no. 2)

This plant, at first glance not appearing to be a *Celtis*, as it lacks the trinerved basal venation, cannot belong to either of the two *Celtis* species reported from Palau, *C. paniculata* (Endl.) Planchon and *C. palauensis* Kanehira & Hatusima. A brief description is included here to call attention and stimulate further collecting to get better specimens.

A woody plant with alternate elliptic, abruptly short acuminate, thin but stiffish leaves, venation pinnate, not at all trinerved at base, network somewhat visible on both surfaces, petiole less than 1 cm long; fruiting racemes axillary, to 2.5–3 cm long, with a few almost sessile broadly ovoid fruits 6–7 x 4 mm, tapering towards apex which is crowned by two broadly oblong or suborbicular stigmas.

This may possibly not be a *Celtis* but no other likely genus comes to mind.

Specimens examined:

Caroline Islands: Palau, Babeldaob, s.l., *Ledermann* 14460 (B); Airai, 0.2 miles NE of bridge to Koror, 3 m elev., *Canfield* 575 (US).

## Verbenaceae

### Clarification of *Gmelina palawensis*

During identification of the Ledermann duplicates it became evident that the name *Gmelina palawensis* H. J. Lam was based on a mixture of two species, both from the Palau group in the western Carolines but belonging to two different families. Following is the result of an attempt to clear up this confusion. New descriptions are provided of both of the two plants concerned.

*Gmelina palawensis* H. J. Lam, Verbenaceae Malay Archipelago 224 (1919); Lam in Bot. Jahrb. Syst. 59: 28 (1924); Kanehira, Flora Micronesia 341 (1933); Kanehira, Enum. Micr. Pl. Okabe, Nanyo no Sangyo (Industry of the South Seas) Autumn No. 3 (1941) (Transl. by Takeda, 1952); Moldenke, Known Geogr. Distr. Verbenaceae 143 (1949); Fosberg, Sachet & Oliver in Micronesica 15: 235 (1979); Fosberg et al., Vascular Pl. Palau Vern. Names 38 (1980).

This is a rather distinctive species of *Gmelina*, locally common in Palau on weathered volcanic substrata. However, among the five collections cited by Lam in his two publications concerning this name (Lam 1919, 1924), two species are included belonging to different families. Two of the collections, *Raymundus* 114 and 320 were apparently lost completely at Berlin, as were the first set of the three others, *Ledermann* 14410, 14420 and 14331. In 1919 Lam had cited *Ledermann* 14420 and 14331, while in 1924 he cited 14410 and 14331. We have, in the lot of duplicates under study, sheets of 14410 and 14331 but we

have not located any material of 14420. The possibility exists, of course, that 14420 is merely an error for 14410, but we cannot assume this. We have consulted the authorities at both Leiden and Utrecht as to whether Lam may have retained a set of the material used in preparation of his thesis (Lam 1919). In neither place are there any of the specimens concerned. Lam did his thesis work at Utrecht, and doubtless returned the borrowed Ledermann and Raymundus specimens to Berlin. Hence, to the best of my knowledge, only one sheet of the original syntype material cited in 1919, i.e. *Ledermann 14331*, remains, and fortunately, it belongs to the genus *Gmelina* (*Verbenaceae*), and may be designated lectotype of *Gmelina palawensis* Lam. The other surviving specimens belonging to *Bridelia palauensis* Kanehira (*Euphorbiaceae*).

A description of *Gmelina palawensis*, prepared from the lectotype plus the several subsequently collected specimens, is offered here. This was prepared without reference to the original description which may have included characters of both *Gmelina* and *Bridelia*.

Small tree, to 15 m tall, wood white, with very pungent odor when freshly cut; leaves thick-chartaceous to coriaceous, elliptic to broadly ovate or rarely obovate, up to 20 x 12 cm, usually smaller, apex obtuse to acute or slightly acuminate, base acute to obtuse, main veins 3–5 on a side, widely spaced, lowest pair opposite or subopposite from at or near base of blade, the others subopposite to very alternate, network rather coarse, not prominent, finer reticulations rather obscure, petiole 4–8 cm long; panicle elongate, pyramidal to cylindrical, much ramified, glabrous, somewhat leafy-bracteate near base, more distal bracts reduced, reflexed, ultimate ones only 1–2 mm long; true pedicels almost lacking; flowers articulate to ultimate branches, nodding; calyx cup-shaped, 5 x 4–5 mm, truncate, glabrous; corolla about 2–2.3 cm long, funnelform-campanulate, externally densely sericeous-tomentose, tube 5–6 mm long, throat 1 cm, lobes about 5–6 mm, rounded, 4 of them recurved, palate extended, color white with palate internally bright purple with yellow spot at base; drupe purple, pyriform, about 20 mm long, 10–15 mm wide, stone very hard, knobby.

Vernacular names reported as “Blachaiosch” (Ledermann), “Brakios” (Kanehira), “Blaheos” (Ledermann), “Blackaiosch” (Raymundus), “Blacheos” (Otobed), “Bracios” (Okabe), “Blios” (Cheatham).

This species has generally been regarded as a Palau endemic. However, in 1951 Moldenke published two varieties of it, var. *dingatensis* from the Philippines, and var. *celebica* from Celebes, both based on leaf characters. The types are both in Herbarium Bogoriense, and I have not seen them. The characters given are all within the range shown by leaves of the Palau specimens cited below. At least it seems safe to assume that the species distribution is extended to the Philippines and Indonesia.

#### Specimens examined:

Caroline Islands: Palau, s.l., *Richardson 31* (US); Babeldaob Island, Ngarsul, 200–300 m, 2. 1914, *Ledermann 14331* (B, lectotype); Arumonogui (as Arumo-gui), *Hosokawa 6969* (US); Kaiguru, *Takamatsu 1594* (US); Aimiriik, *Kanehira 1923* (US); Lake Ngardok, 25–50 m, *Fosberg 32528* (BISH, K, MO, POM, US); Airai (as Arraii), *Salsedo 212* (US); Airai, Mun. Ngesuas, 5 m, *Canfield 446* (US); Koror Island, N section, 75 ft., *Hosaka 3338* (BISH, US); Ngarmid, 100 m, *Fosberg 32324* (BISH, NY, P, US); Agricultural Station, cultivated, *Cheatham 140* (US); near Royal Palauan Hotel, cultivated, *Cheatham 144* (A, B, BISH, BM, BRI, CANB, CHR, GUAM, MO, NSW, NY, P, Papeete, POM, S, TI, UC, US); Malakal Island, 30–50 m, s.l., *Fosberg 47522* (A, B, BISH, BRI, CHR, GUAM, K, MO, NSW, NY, P, Papeete, POM, S, US); Truk, Moen Island, Nantaku, cultivated, introduced from Palau, at Agricultural substation, *Fosberg 60359* (A, BISH, POM, US).

*Ledermann 14410* and *14242*, the first named by Lam *Gmelina palawensis* and cited as such by him in 1924, prove to be *Bridelia palauensis* Kanehira (*Euphorbiaceae*). Since the latter species has only been collected, to my knowledge, twice otherwise, and is not at all well known, the following description, prepared from the two Ledermann collections, is offered to further elucidate this species.



*Bridelia palauensis* Kanehira in Kanehira & Hatusima in Bot. Mag. (Tokyo) 53: 152 (1939); name used as nomen nudum in Kanehira, in J. Dept. Agric. Kyushu Imp. Univ. 4: 347 (1935).

Woody plant, twigs elongate, slender, dark brown when dry, marked with longitudinal elliptic pale lenticels, surface turning light brownish gray, internodes 1–3 cm long; leaves membranous, alternate, broadly elliptic to somewhat obovate, up to 13.5 x 7 cm, mostly smaller, apex obtuse in general outline, but abruptly and sharply acuminate, main veins 9–11 on a side at about 45° angle to midrib then near margin curving upward and anastomosing along margin, connected by a scalariform, secondary venation conspicuous beneath, between these cross-veins a somewhat irregularly rectangular, rather coarse network, this not conspicuous, upper surface glabrous, lower minutely and sparsely puberulent, petiole 5–8 mm long, slender, slightly curved; stipule scars pointed curving downward; in each leaf axil a close fascicle of thin brown scarious bracts and/or perianth segments, whorls of these scales surrounding scars where sessile or subsessile fruits have been attached, scales sparsely ciliolate, sparsely curly-pilose without, the rudimentary pedicels below the scales densely so; fruits glabrous, broadly ellipsoid or almost subglobose, 10 x 5–7 mm, substipitate, perianth remnants in 2 series persisting on some fruits, summit tipped with a tiny beak-like remnant of a style, exocarp or mesocarp very thin, endocarp thin, hard, under pressure of drying tending to split into 2–4 not-too-regular valves.

Specimens examined:

Caroline Islands: Palau, Babeldaob, Ngarsul, 2. 1914, *Ledermann 14410* (B, 2 sheets); s.l., *Ledermann 14242* (B), both collections fruiting.

3. Numerical list of Ledermann Micronesian collections (by F. R. Fosberg & R. L. Oliver)

| Ledermann collection number              | Identity  | Indication of herbarium where deposited or, m, for missing specimen | Type/status |
|--|---|---|-------------|
| 13133                                    | <i>Clerodendrum blumeianum</i> Schauer  | m   |             |
| 13134, 13135, 13136, 13137, 13138, 13139 |   |   |             |
| 13140                                    | <i>Premna integrifolia</i> subsp. <i>dentatolabium</i> Lam                      | m   | T           |
| 13141                                    | <i>Hedyotis biflora</i> (L.) Lam. – Karolinen: Ponape                           | (B)   |             |
| 13142                                    | <i>Fuirena umbellata</i> Rottb. – Karolinen: Ponape                             | (B, US)   |             |
| 13143                                    |   |   |             |
| 13144                                    | <i>Dendrobium ponapense</i> Schlechter – Karolinen: Ponape, s.l.                | m   | T           |
| 13145                                    | <i>Dendrobium carolinense</i> Schlechter – Karolinen: Ponape, Nanpomal, 20–40 m | m   | ST          |
| 13146                                    | <i>Dendrobium amesianum</i> Schlechter – Karolinen: Ponape, Nanpomal, 10–20 m   | m   | ST          |
| 13147, 13148                             |   |   |             |
| 13149                                    | <i>Phreatia thompsonii</i> Ames – Karolinen: Ponape, Nanpomal, 10–20 m          | m   |             |
| 13150, 13151, 13152                      |   |   |             |
| 13153                                    | <i>Melochia villosissima</i> (Presl) Merr. – Karolinen: Ponape                  | (B)   |             |

- 13154, 13155, 13156, 13157, 13158, 13159, 13160, 13161, 13162, 13163,  
13164, 13165, 13166, 13167, 13168, 13169
- 13170 *Macaranga carolinensis* Volkens – Karolinen: Ponape (K)
- 13171 *Moerenhoutia leucantha* var. *glabrata* Schlechter – Karolinen: (K, photo T  
Ponape. Here chosen as lectotype as it is possibly the only  
in US)  
surviving isotype
- 13172 *Phaius amboinensis* Blume – Karolinen: Ponape, auf dem Tol, m  
bei Patapat, 100–200 m
- 13173 *Ficus tinctoria* var. *neo-ebudarum* (Summerh.) Fosberg (B, K)
- 13174, 13175, 13176, 13177
- 13178 *Discocalyx ponapensis* Mez – Karolinen: Ponape, Patapat, Hänge m T  
des Tol, 100–600 m
- 13179 *Amaracarpus macrophyllus* Valetton – Karolinen: Ponape, m ST  
Patapat, Abhänge von Tol, 100–200 m
- 13180
- 13181 *Acalypha ponapensis* Kanehira & Hatus.? (B)
- 13182, 13183, 13184, 13185, 13186
- 13187 *Maesa carolinensis* Mez – Karolinen: Ponape, Patapat, Abhänge (B, K) ST  
des Tol, 20–600 m
- 13188, 13189, 13190, 13191, 13192, 13193, 13194, 13195, 13196, 13197,  
13198, 13199, 13200
- 13201 *Gynotroches axillaris* Blume – Karolinen: Ponape (US)
- 13201 *Bentinckiopsis ponapensis* Becc. m
- 13202, 13203, 13204, 13205, 13206, 13207, 13208, 13209, 13210, 13211,  
13212, 13213, 13214, 13215, 13216, 13217
- 13218 *Canthium barbatum* var. *korrorensis* (Valetton) Fosberg – Karo- (B) ST  
linen: Ponape, Hänge des Tol, 400–600 m. Syntype of *Plectronia*  
*korrorensis* Valetton
- 13219, 13220, 13221, 13222, 13223, 13224, 13225, 13226, 13227
- 13228 *Cyrtandra uruillei* C. B. Clarke m
- 13229 *Melicope ponapensis* Lauterb. – Karolinen: Ponape, Patapat, am (B) ST  
Tol. Syntype
- 13230 *Syzygium carolinense* (Koidz.) Hosokawa – Karolinen: Ponape, (B, K) ST  
Patapat am Tol. Syntypes of *Syzygium ponapense* Diels
- 13231 *Homalanthus nutans* (Forster f.) Guillemain – Karolinen: Ponape (K)
- 13232 *Melastoma malabathricum* L. sensu lato – Karolinen: Ponape (B, K)
- 13232a *Premna serratifolia* L. sensu lato – Karolinen: Ponape, Pailapalap, (B) ST  
100–200 m. Syntype, here designated lectotype of *Premna*  
*integrifolia* subsp. *dentatolabium* Lam, chosen because it has better  
a developed cyme than other available syntype specimens
- 13233 *Merremia peltata* (L.) Merr. (anomalous form) – Karolinen: (B)  
Ponape
- 13234 *Hypolytrum dissitiflorum* Steudel (B)
- 13235, 13236
- 13237 *Geniostoma stenurum* Gilg & Benedict – Karolinen: Ponape, (B) ST  
Patapat am Tol, 100–600 m. Syntype, here chosen as lectotype,  
as it is a good specimen, showing flowers and good leaves
- 13238, 13239

- 13240 *Eurya japonica* Thunb. m
- 13241, 13242, 13243, 13244, 13245
- 13246 *Barringtonia racemosa* Blume m
- 13247
- 13248 *Amaracarpus macrophyllus* Valetton – Karolinen: Patapat, m ST  
Abhänge vom Tol, 100–200 m
- 13249, 13250, 13251, 13252, 13253, 13254, 13255, 13256, 13257, 13258,  
13259, 13260
- 13261 *Phreatia thompsonii* Ames – Karolinen: Ponape, Tol, 100–200 m m
- 13262 *Hoya schneei* Schlechter m ST
- 13263, 13264, 13265
- 13266 *Piper ponapense* C. DC. – Karolinen: Ponape, s.l. (BISH)
- 13267 *Amaracarpus carolinensis* var. *squarrosus* Valetton – Karolinen: m T  
Ponape
- 13268, 13269, 13270, 13271, 13272, 13273
- 13274 *Psychotria merrillii* Kanehira var. *merrillii* – Karolinen: Ponape, (B) ST  
Patapat am Tol, 100–200 m. Syntype of *Plectronia obovata* Valetton
- 13275, 13276, 13277, 13278, 13279, 13280, 13281, 13282, 13283, 13284
- 13285 *Ficus tinctoria* var. *neo-ebudaram* (Summerh.) Fosberg – Karo- (B)  
linen: Ponape, Patapat, 100–200 m
- 13286, 13287
- 13288 *Elaeocarpus carolinensis* Kanehira – Karolinen: Ponape, Tol, (B)  
100–200 m
- 13289
- 13290 *Elaeocarpus kerstingianus* Schlechter (B)
- 13291 *Gynotroches axillaris* Blume (B)
- 13292
- 13293 *Geniostoma stenurum* Gilg & Benedict – Karolinen: Ponape, (B) ST  
Patapat am Tol, 100–600 m. Syntype
- 13294 *Discocalyx ponapensis* Mez – Karolinen: Ponape, Patapat, Hänge m ST  
des Tol, 100–200 m
- 13295 *Geniostoma stenurum* Gilg & Benedict – Karolinen: Ponape, Pata- (B) ST  
pat am Tol, 100–600 m. Syntype
- 13296
- 13297 *Maesa carolinensis* Mez m ST
- 13298
- 13299 *Palaquium karrak* Kanehira – Karolinen: Ponape (B)
- 13300 *Gynotroches axillaris* Blume – Karolinen: Ponape (B)
- 13300a *Hoya schneei* Schlechter m ST
- 13301 *Claoxylon carolinianum* Pax & Hoffman m ST
- 13302, 13303
- 13304 *Amaracarpus macrophyllus* Valetton – Karolinen: Ponape, Pata- m ST  
pat, Abhänge des Tol, 200–300 m
- 13305 *Plectronia korrorensis* Valetton – Karolinen: Ponape, Patapat, m ST  
Hänge des Tol, 200–300 m
- 13305 *Oplismenus compositus* (L.) Beauv. – Karolinen: Ponape, Hänge (B)  
des Tol (clearly a wrong label as it is determined as. “*Plectronia korrorensis* Val. n. sp.” three sheets all with identical wrong



labels.) (This number, see above, with these data, is cited with others in Valeton's original description of *Plectronia korrorensis* Valeton in Bot. Jahrb. Syst. 63: 312 (1930))

- 13306, 13307, 13308, 13309, 13310, 13311, 13312, 13313, 13314, 13315, 13316
- 13317 *Canthium barbatum* var. *korrorense* (Valeton) Fosberg – Karolinen: Ponape. Syntype (B) ST
- 13318, 13319, 13320, 13321
- 13322 *Hibiscus tiliaceus* L. – Karolinen: Ponape (B)
- 13323
- 13324 *Jambosa stelechantha* Diels m ST
- 13325, 13326, 13327, 13328, 13329, 13330, 13331, 13332
- 13333 *Glochidion excorticans* var. *calvum* Fosberg – Karolinen: Ponape. Holotype (B) T
- 13334, 13335, 13336
- 13337 *Paspalum longifolium* Roxb. – Karolinen: Ponape (B)
- 13338, 13339, 13340, 13341, 13342
- 13343 *Ludwigia octovalvis* (Jacq.) Raven – Karolinen: Ponape (B)
- 13343a, 13344, 13345, 13346, 13347, 13348
- 13348a *Discocalyx ponapensis* Mez – Karolinen: Ponape, Patapat, Hänge des Tol, 100–400 m m ST
- 13349 *Aglaiia ponapensis* Kanehira – Karolinen: Ponape (B)
- 13350 *Fagraea berteriana* var. *sair* (Gilg & Benedict) Fosberg & Sanchet – Karolinen: Ponape, bis Patapat, in den Hängen des Tol m ST
- 13351 *Canthium barbatum* var. *korrorense* (Valeton) Fosberg – Karolinen: Ponape, Patapat, Hänge des Tol. Syntype of *Plectronia korrorensis* Valeton (with mature fruit) (B) ST
- 13352 *Melicope ponapensis* Lauterb. – Karolinen: Ponape, Patapat, am Tol, 100–600 m. Syntype (B) ST
- 13353 *Dendrobium carolinense* Schlechter – Karolinen: Ponape, Patapat, 300–600 m m ST
- 13354
- 13355 *Plectronia obovata* Valeton – Karolinen: Ponape, Patapat, am Tol, 600–700 m m ST
- 13356 *Bulbophyllum micronesiacum* Schlechter – Karolinen: Ponape, Hänge des Tol, Patapat, 400–600 m m ST
- 13357 *Garcinia ponapensis* Lauterb. – Karolinen: Ponape, Patapat m
- 13358
- 13359 *Mediocalcar ponapense* Schlechter – Karolinen: Ponape, Patapat, 400–600 m m ST
- 13360 *Timonius ledermannii* Valeton – Karolinen: Ponape. Syntype (B) ST
- 13361 *Timonius ponapensis* Valeton – Karolinen: Ponape, Patapat, 400–600 m. Syntype (B) ST
- 13361a *Dendrobium brachyanthum* Schlechter m ST
- 13362
- 13363 *Amyema artensis* (Montr.) Danser – Karolinen: Ponape (B)
- 13364 *Discocalyx ponapensis* Mez – Karolinen: Ponape, Patapat, Hänge des Tol, 100–400 m m ST

13365, 13366

13367 *Garcinia ponapensis* Lauterb. ST

13368, 13369, 13370

13371 *Fimbristylis annua* f. *tomentosa* (Vahl) Kük. m13372 *Geniostoma stenurum* Gilg & Benedict – Karolinen: Ponape, Patapat, am Tol und an Abhängen des Tol, 100 m m ST

13373, 13374

13375 *Syzygium carolinense* (Koidz.) Hosokawa – Karolinen: Ponape, Patapat am Tol (B, K, US)

13376

13377 *Elatostema flumineo-rupestre* Hosokawa – Karolinen: Ponape (B)13378 *Dendrobium amesianum* Schlechter – Karolinen: Ponape, Patapat, 400–600 m m ST13379 *Pittosporum ferrugineum* Aiton – Karolinen: Ponape (B)

13380, 13381, 13382, 13383, 13384

13384a *Hoya schneei* Schlechter m ST13384b *Hoya schneei* Schlechter m ST

13385, 13386, 13387

13388 *Melicope ponapensis* Lauterb. m ST13389 *Pseuderia micronesiaca* Schlechter – Karolinen: Ponape. Syntype (K, photo in US) ST

13390

13390a *Timonius ponapensis* Valeton – Karolinen: Ponape, Pailapalap, 20–40 m. Syntype (B) ST

13391, 13392, 13393, 13394, 13395

13396 *Phreatia carolinensis* Schlechter – Karolinen: Ponape, Hänge des Tol, 400–600 m m ST13397 *Ponapea ledermanniana* Becc. m ST13398 *Myristica insularis* Kanehira – Karolinen: Ponape, Patapat, Hänge des Tol, 200–300 m (B, US)

13399, 13400, 13401, 13402, 13403, 13404

13405 *Dendrobium violaceo-miniatum* Schlechter m ST13406 *Dendrobium flavicolle* Schlechter m ST

13407, 13408

13408a *Dendrobium carolinense* Schlechter – Karolinen: Ponape, bei Patapat, 300–600 m. Syntype (B, photo in US) ST

13409, 13410, 13411, 13412

13413 *Psychotria hombroniana* var. *hirtella* (Valeton) Fosberg – Karolinen: Ponape, Patapat, 200–300 m. Syntype, here designated lectotype of *Amaracarpus hirtellus* Valeton as its other syntype seems to be missing (B) ST13414 *Psychotria lasianthoides* Valeton – Karolinen: Ponape. Syntype (B) ST13415 *Dendrobium violaceo-miniatum* Schlechter – Karolinen: Ponape, Patapat, 200–300 m m ST

13416, 13417

13418 *Timonius ledermannii* Valeton – Karolinen: Ponape, Paue, Hänge des Tol, 700–800 m. Syntype (B) ST

13419, 13419a

|                            |  |                        |    |
|----------------------------|--|------------------------|----|
| 13420                      | <i>Elatostema flumineo-rupestre</i> Hosokawa – Karolinen: Ponape   | (B)                    |    |
| 13421, 13422               |  |                        |    |
| 13423                      | <i>Kyllinga monocephala</i> Rottb.   | m                      |    |
| 13424                      |  |                        |    |
| 13425                      | <i>Elatostema flumineo-rupestre</i> Hosokawa – Karolinen: Ponape   | (B)                    |    |
| 13426                      |  |                        |    |
| 13427                      | <i>Canthium barbatum</i> var. <i>korrorense</i> (Valeton) Fosberg – Karolinen: Ponape, Hänge des Tol, 400–600 m. Syntype, here designated lectotype of <i>Plectronia korrorense</i> Valeton as it is in flowering condition and illustrates the varietal characters very well  | (B)                    | ST |
| 13428                      |  |                        |    |
| 13429                      | <i>Elaeocarpus kerstingianus</i> Schlechter  | m                      | ST |
| 13429a                     | <i>Piper ponapense</i> C. DC. – Fragment of holotype in G, holotype in B.  | (B, G,<br>photo in US) | T  |
| 13430, 13431               |  |                        |    |
| 13432                      | <i>Geniostoma stenurum</i> Gilg & Benedict – Karolinen: Ponape, Patapat, am Tol und an Hängen des Tol, 100–600 m   | m                      | ST |
| 13433                      | <i>Gynotroches axillaris</i> Blume – Karolinen: Ponape   | (B)                    |    |
| 13434                      | <i>Melicope ponapensis</i> Lauterb. – Karolinen: Ponape, Patapat am Tol, 100–600 m. Syntype  | (B)                    | ST |
| 13435, 13436, 13437        |  |                        |    |
| 13438                      | <i>Jambosa stelechantha</i> Diels  | m                      | T  |
| 13439, 13440, 13441, 13442 |  |                        |    |
| 13443                      | <i>Glochidion excorticans</i> var. <i>calvum</i> Fosberg – Karolinen: Ponape, 1913. Paratype   | (B)                    | PT |
| 13444, 13445               |  |                        |    |
| 13446                      | <i>Dioscorea nummularia</i> Lam. – Karolinen: Ponape   | (K)                    |    |
| 13447                      | <i>Bulbophyllum ponapense</i> Schlechter – Karolinen: Ponape, Hänge des Tolberges  | m                      | ST |
| 13448                      |  |                        |    |
| 13448a                     | <i>Dendrobium flavicolle</i> Schlechter – Karolinen: Ponape, Patapat, 200–300 m  | m                      | ST |
| 13449, 13450, 13451, 13452 |  |                        |    |
| 13453                      | <i>Syzygium carolinense</i> (Koidz.) Hosokawa – Karolinen: Ponape, Patapat am Thol   | (B)                    |    |
| 13454                      |  |                        |    |
| 13455                      | <i>Cerbera manghas</i> L. – Karolinen: Ponape, Patapat, Buschwald am Tol. Sterile sheet, technically a syntype of <i>C. dilatata</i> Markgraf, but here excluded from that species which is restricted to the Marianas. It is doubtful if a sterile specimen in this genus can be identified or that a significant range extension should be based on one. | (B)                    |    |
| 13456                      | <i>Pachygone ledermannii</i> Diels – Karolinen: Ponape   | (B)                    |    |
| 13457                      |  |                        |    |
| 13458                      | <i>Maesa carolinensis</i> Mez – Karolinen: Ponape. Syntype   | (K)                    | ST |
| 13459                      |  |                        |    |
| 13459b                     | <i>Dendrobium violaceo-miniatum</i> Schlechter – Karolinen: Ponape, Patapat, 200–300 m   | m                      | ST |



|  |   |                     |    |
|--|---|---------------------|----|
| 13460  | <i>Dendrobium amesianum</i> Schlechter – Karolinen: Ponape, Patapat, 400–600 m  | m                   | ST |
| 13461  |   |                     |    |
| 13461a   | <i>Geniostoma stenurum</i> Gilg & Benedict – Karolinen: Patapat am Tol. Syntype   | (B)                 | ST |
| 13462  | <i>Dendrobium carolinense</i> Schlechter – Karolinen: Ponape, bei Patapat, 300–600 m. Syntypes, B sheet chosen as lectotype from three still-extant specimens (not including one said to be in BM that I have not seen) because it shows several flowers as well as essential vegetative features | (B, K, photo in US) | ST |
| 13462a   | <i>Amaracarpus heteropoides</i> [sic] Valeton – Karolinen: Ponape   | m                   | T  |
| 13463, 13464, 13465  |   |                     |    |
| 13465a   | <i>Timonius ponapensis</i> Valeton – Karolinen: Ponape, Pailapalap. Syntype   | (B)                 | ST |
| 13466  | <i>Dendrobium carolinense</i> Schlechter – Karolinen: Ponape  | m                   | ST |
| 13467  |   |                     |    |
| 13468  | <i>Melochia villosissima</i> (Presl) Merr. – Karolinen: Ponape  | (B)                 |    |
| 13469  |   |                     |    |
| 13470  | <i>Syzygium stelechanthum</i> (Diels) Glassman – Karolinen: Ponape. Paratype of <i>Jambosa stelechantha</i> Diels   | (K)                 | PT |
| 13471, 13472   |   |                     |    |
| 13473  | <i>Jambosa stelechantha</i> Diels   | m                   | ST |
| 13474, 13475, 13476  |   |                     |    |
| 13477  | <i>Embelia palauensis</i> Mez – Karolinen: Ponape, Patapat, Hänge des Tol, 500–600 m  | m                   | ST |
| 13478, 13479   |   |                     |    |
| 13480  | <i>Asclepias curassavica</i> L. – Karolinen: Ponape   | m                   |    |
| 13481  |   |                     |    |
| 13482  | <i>Cynometra ramiflora</i> L. – Karolinen: Ponape   | (B)                 |    |
| 13483  | <i>Amaracarpus macrophyllus</i> Valeton – Karolinen: Ponape, Pailapalap, 20–40 m  | m                   | ST |
| 13484  | <i>Syzygium carolinense</i> (Koidz.) Hosokawa – Karolinen: Ponape. Syntype  | (K)                 | ST |
| 13485  | <i>Elaeocarpus gibbonii</i> Schlechter  | m                   | ST |
| 13486  |   |                     |    |
| 13487  | <i>Timonius ponapensis</i> Valeton – Karolinen: Ponape, Pailapalap, 20–40 m. Syntype  | (B)                 | ST |
| 13488  | <i>Pittosporum ferrugineum</i> Aiton – Karolinen: Ponape  | (B)                 |    |
| 13489  | <i>Pachygone ledermannii</i> Diels. – Cited by Glassman in Bernice P. Bishop Mus. Bull. 209: 54 (1952)  | (BM)                |    |
| 13490, 13491   |   |                     |    |
| 13492  | <i>Aidia cochinchinensis</i> Lour. – Karolinen: Ponape  | (B)                 |    |
| 13493, 13494   |   |                     |    |
| 13495  | <i>Syzygium stelechanthum</i> (Diels) Glassman – Karolinen: Ponape. Paratype of <i>Jambosa stelechantha</i> Diels   | (K)                 | PT |
| 13496, 13497, 13498, 13499, 13500, 13501, 13502, 13503, 13504, 13505, 13506, 13507, 13508, 13509, 13510, 13511 |   |                     |    |
| 13512  | <i>Cyperus cyperoides</i> subsp. <i>cyperinus</i> (Vahl) Kük.   | m                   |    |

|                     |  |                     |    |
|---------------------|--|---------------------|----|
| 13513               | <i>Fimbristylis miliacea</i> (Thunb.) Vahl   | m                   |    |
| 13514               | <i>Fimbristylis littoralis</i> Gaudich. – Karolinen: Ponape  | (B)                 |    |
| 13515               | <i>Cinnamomum carolinense</i> Koidz. – Karolinen: Ponape   | (B)                 |    |
| 13515a              | <i>Elaeocarpus joga</i> Merr.  | m                   |    |
| 13516               |  |                     |    |
| 13517               | <i>Bulbophyllum ponapense</i> Schlechter – Karolinen: Ponape, Hänge<br>des Tol Berges  | m                   | ST |
| 13518, 13519, 13520 |  |                     |    |
| 13521               | <i>Thoracostachyum hypolytroides</i> subsp. <i>immensum</i> Kük.   | m                   |    |
| 13522, 13523, 13524 |  |                     |    |
| 13525               | <i>Sterculia ellipticifolia</i> Fosberg – Karolinen: Ponape. Holotype  | (B)                 | T  |
| 13526               | <i>Syzygium carolinense</i> (Koidz.) Hosokawa – Karolinen: Ponape.<br>Syntype of <i>Syzygium ponapense</i> Diels   | m                   | ST |
| 13527               |  |                     |    |
| 13528               | <i>Coffea liberica</i> Bull ex Hiern – Karolinen: Ponape. Isotype<br>here designated lectotype of <i>Plectronia oblonga</i> Valetton, as it is<br>probably the only remaining specimen | (B)                 | T  |
| 13529               | <i>Sonneratia alba</i> Smith – Karolinen: Ponape   | (B)                 |    |
| 13530               |  |                     |    |
| 13531               | <i>Dendrobium carolinense</i> Schlechter – Karolinen: Ponape. Syn-<br>types, B sheat here designated lectotype, as it has good flowers   | (K, photo<br>in US) | ST |
| 13532               | <i>Polygala chinensis</i> L. – Karolinen: Ponape   | (B)                 |    |
| 13533               |  |                     |    |
| 13534               | <i>Dendrobium carolinense</i> Schlechter – Karolinen: Ponape, Nan-<br>pomal, 20–60 m   | m                   | ST |
| 13535               |  |                     |    |
| 13536               | <i>Amyema artensis</i> (Montr.) Danser – Karolinen: Ponape   | (B)                 |    |
| 13537               | <i>Oldenlandia uncinelloides</i> Valetton – Karolinen: [Ponape],<br>Leperei, 100 m   | m                   | T  |
| 13538               | <i>Plectranthus scutellarioides</i> (L.) R. Br. – Karolinen: Ponape  | (B)                 |    |
| 13538b              | <i>Hedyotis uncinelloides</i> (Valetton) Hosokawa – Karolinen: Ponape.<br>Syntype of <i>Oldenlandia uncinelloides</i> Valetton   | (B)                 | ST |
| 13539               | <i>Syzygium carolinense</i> (Koidz.) Hosokawa – Karolinen: Ponape.<br>Syntype of <i>Syzygium ponapense</i> Diels   | m                   | ST |
| 13540, 13541        |  |                     |    |
| 13542               | <i>Eurya japonica</i> Thunb.   | m                   |    |
| 13543               | <i>Canthium barbatum</i> var. <i>korrorense</i> (Valetton) Fosberg – Karo-<br>linen: Ponape, Paue, 800 m. Syntype of <i>Plectronia korrorense</i><br>Valetton                          | (B)                 | ST |
| 13544               | <i>Geniostoma stenurum</i> Gilg & Benedict   | m                   | ST |
| 13545               | <i>Melicope ponapensis</i> Lauterb. – Karolinen: Ponape, Leperei,<br>100 m   | m                   | ST |
| 13546               | <i>Premna serratifolia</i> L. – Karolinen: Ponape, Leperei. Syntype<br>of <i>Premna integrifolia</i> subsp. <i>dentatolabium</i> Lam   | (B)                 | ST |
| 13547               | <i>Thrixspermum arachnitiforme</i> Schlechter – Karolinen: [Ponape],<br>Leperei, 100 m   | m                   | T  |
| 13548, 13549        |  |                     |    |
| 13550               | <i>Dendrobium brachyanthum</i> Schlechter  | m                   | ST |

|  |   |                                    |  |    |
|--|---|------------------------------------|--|----|
| 13551  |   |                                    |  |    |
| 13552  | <i>Glochidion excorticans</i> var. <i>calvum</i> Fosberg – Karolinen: Ponape.<br>Paratypes  | (B, US)                            |  | PT |
| 13553  |   |                                    |  |    |
| 13554  | <i>Scleria caricina</i> (R. Br.) Benth.   | m                                  |  |    |
| 13555  | <i>Palaquium karak</i> Kanehira – Karolinen: Ponape   | (B)                                |  |    |
| 13556  | <i>Garcinia ponapensis</i> Lauterb. – Karolinen: Ponape. Paratype   | (B, K)                             |  | PT |
| 13557  |   |                                    |  |    |
| 13558  | <i>Ischaemum setaceum</i> Honda – Karolinen: Ponape   | (B)                                |  |    |
| 13559, 13560   |   |                                    |  |    |
| 13561  | <i>Fimbristylis annua</i> var. <i>pseudoferruginea</i> Kük.   | m                                  |  | ST |
| 13562, 13563, 13564, 13565                             |   |                                    |  |    |
| 13565a   | <i>Psychotria hombroniana</i> var. <i>squarrosa</i> (Valeton) Fosberg –<br>Karolinen: Ponape  | (B)                                |  |    |
| 13566  |   |                                    |  |    |
| 13567  | <i>Commersonia bartramia</i> (L.) Merr.   | (B)                                |  |    |
| 13568  | <i>Hypolytrum dissitiflorum</i> Steudel   | m                                  |  |    |
| 13569, 13570, 13571                                    |   |                                    |  |    |
| 13572  | <i>Thoracostachyum hypolytroides</i> var. <i>immensum</i> Kük.  | m                                  |  |    |
| 13573, 13574, 13575, 13576, 13577, 13578, 13579, 13580 |   |                                    |  |    |
| 13581  | <i>Glochidion puberulum</i> Hosokawa – Karolinen: Ponape  | (B)                                |  |    |
| 13582, 13583, 13584, 13585, 13586                      |   |                                    |  |    |
| 13586a   | <i>Maesa carolinensis</i> Mez   | m                                  |  |    |
| 13587  | <i>Melastoma malabathricum</i> L. – Karolinen: Ponape   | (B)                                |  |    |
| 13588  | <i>Maesa carolinensis</i> Mez – Karolinen: Ponape. Syntype  | (K)                                |  | ST |
| 13589  | <i>Fimbristylis annua</i> var. <i>pseudoferruginea</i> Kük.   | m                                  |  | ST |
| 13590, 13591   |   |                                    |  |    |
| 13592  | <i>Lindernia pusilla</i> (Willd.) Schlechter  | m                                  |  |    |
| 13593  | <i>Melicope ponapensis</i> Lauterb. – Karolinen: Ponape, Leperei,<br>100 m. Syntype, here designated lectotype, because it has the<br>best flowers of any of the syntypes | (B)                                |  | ST |
| 13594  | <i>Ficus tinctoria</i> var. <i>neo-ebudarum</i> (Summerh.) Fosberg – Karo-<br>linen: Ponape, Leperei, 100 m   | (B)                                |  |    |
| 13595  |   |                                    |  |    |
| 13596  | <i>Allophylus</i> spec. – Karolinen: Ponape   | (K)                                |  |    |
| 13597  | <i>Mangifera minor</i> Blume – Karolinen: Ponape, Leperei, 600 m  | m                                  |  |    |
| 13598  | <i>Pitiosporum ferrugineum</i> Aiton  | (B, US)                            |  |    |
| 13599  |   |                                    |  |    |
| 13599a   | <i>Glochidion cleistanthoides</i> Fosberg – Karolinen: Ponape.<br>Holotype  | (B)                                |  |    |
| 13600  | <i>Melastoma malabathricum</i> L. sensu lato – Karolinen: Ponape  | (B)                                |  |    |
| 13601  |   |                                    |  |    |
| 13602  | <i>Microstegium glabratum</i> (Brongn.) Camus – Karolinen:<br>Ponape  | (B)                                |  |    |
| 13603  | <i>Phyllanthus urinaria</i> L. sensu lato – Karolinen: Ponape   | (B)                                |  |    |
| 13604  | <i>Scleria scrobiculata</i> Nees & Mey. ex Nees – Karolinen: Ponape,<br>Leperei, 100 m  | (B + fragm. ex<br>herb. Kükenthal) |  |    |
| 13605  | <i>Paspalum commersonii</i> Lam. – Karolinen: Ponape  | (B)                                |  |    |



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|--|---|---------|----|
| 13606                                    |   |         |    |
| 13607                                    | <i>Oplismenus hirtellus</i> var. <i>imbecillis</i> (Roemer & Schultes) Fosberg & Sachet – Karolinen: Ponape   | (B)     |    |
| 13608                                    | <i>Antidesma kusaiense</i> Kanehira   | (B)     |    |
| 13609                                    | <i>Ficus prolixa</i> var. <i>carolinensis</i> (Warb.) Fosberg – Karolinen: Ponape, Leperei  | (B)     |    |
| 13610                                    |   |         |    |
| 13611                                    | <i>Campnosperma brevipetiolata</i> Volkens  | m       |    |
| 13612                                    | <i>Tacca leontopetaloides</i> (L.) Kuntze – Karolinen: Ponape   | (B)     |    |
| 13613                                    |   |         |    |
| 13613a                                   | <i>Fimbristylis globulosa</i> (Retz.) Kunth   | (K)     |    |
| 13614                                    |   |         |    |
| 13615                                    | <i>Canthium barbatum</i> var. <i>korrorense</i> (Valeton) Fosberg – Karolinen: Ponape. Syntype of <i>Plectronia korrorense</i> Valeton  | (B)     | ST |
| 13616                                    | <i>Desmodium heterocarpon</i> var. <i>strigosum</i> v. Meeuwen – Karolinen: Ponape  | (B)     |    |
| 13617                                    | <i>Melicope ponapensis</i> Lauterb. – Karolinen: Ponape, Leperei, 100 m. Syntype  | (B)     | ST |
| 13618                                    | <i>Flacourtia rukam</i> var. <i>micronesica</i> Fosberg & Sachet – Karolinen: Ponape  | (B)     |    |
| 13619                                    | <i>Liparis guamensis</i> Ames – Karolinen: Ponape   | m       |    |
| 13619                                    | <i>Jambosa stelecantha</i> Diels  | m       |    |
| 13619a                                   | <i>Scleria novae-hollandiae</i> Boeckeler – Karolinen: Ponape   | (B)     |    |
| 13620, 13621                             |   |         |    |
| 13622                                    | <i>Rhus taitensis</i> Guillemin – Karolinen: Ponape, Leperei, 100 m   | (B, K)  |    |
| 13622a                                   | <i>Syzygium ponapense</i> Diels   | m       |    |
| 13623                                    | <i>Bentinckiopsis ponapensis</i> Becc.  | m       |    |
| 13624                                    | <i>Centosteca lappacea</i> (L.) Desv. – Karolinen: Ponape   | (B)     |    |
| 13625, 13626, 13627, 13628, 13629, 13630 |   |         |    |
| 13631                                    | <i>Vitex negundo</i> var. <i>bicolor</i> (Willd.) Lam – Karolinen: Ponape, Namponmal  | (B)     |    |
| 13632, 13633, 13634, 13635               |   |         |    |
| 13636                                    | <i>Glochidion ponapense</i> Hosokawa – Karolinen: Ponape  | (B)     |    |
| 13637                                    | <i>Rhynchospora corymbosa</i> (L.) Britt.   | m       |    |
| 13638                                    | <i>Ficus prolixa</i> var. <i>carolinensis</i> (Warb.) Fosberg – Karolinen: Ponape   | (B)     |    |
| 13639                                    | <i>Morinda citrifolia</i> L.  | m       |    |
| 13640, 13641, 13642                      |   |         |    |
| 13643                                    | <i>Glochidion excorticans</i> var. <i>calvum</i> Fosberg – Karolinen: Ponape. Paratypes   | (B, US) | PT |
| 13643a                                   |   |         |    |
| 13643x                                   | <i>Glochidion excorticans</i> Fosberg var. <i>excorticans</i> – Karolinen: Ponape. Holotype   | (B)     | T  |
| 13644                                    | <i>Garcinia ponapensis</i> Lauterb. – Karolinen: Ponape, Nanponmal, 150 m. Isotypes, B sheet designated as lectotype, as it is the more intact of the isotypes, K sheet, isotype. Holotype (B) probably destroyed | (B, K)  | IT |
| 13645                                    | <i>Discocalyx ponapensis</i> Mez – Karolinen: Ponape, Nanpomal, 150 m. Syntype, here designated lectotype, as it is probably the only syntype still extant  | (B)     | ST |

- 13646 *Geniostoma stenurum* Gilg & Benedict – Karolinen: Ponape, Nanpomal, 150 m. Syntype (B) ST
- 13647 *Eleocharis variegata* var. *laxiflora* (Thwaites) C. B. Clarke m
- 13648 *Hypolytrum dissitiflorum* Steudel m
- 13648 portion *Hypolytrum dissitiflorum* var. *oligostachyum* (Schumann & Lauterb.) Kuk. (B)
- 13649 *Melicope ponapensis* Lauterb. – Karolinen: Ponape, Nanpomal, 150 m. Syntype (B) ST
- 13650, 13651
- 13652 *Syzygium stelechanthum* (Diels) Glassman (B, K)
- 13653
- 13653a *Oplismenus compositus* (L.) Beauv. var. *compositus* – Karolinen: Ponape (B)
- 13654
- 13655 *Fimbristylis dichotoma* subsp. *podocarpa* (Nees & Mart.) Koyama – Karolinen: Ponape (B)
- 13656 *Fuirena umbellata* Rottb. – Karolinen: Ponape, Nanpomal (B, K)
- 13657 *Eleocharis ochrostachys* Steudel – Karolinen: Ponape (B)
- 13658 *Scleria novae-hollandiae* Boeckeler – Karolinen: Ponape, Nanpomal (B)
- 13659 *Rhus taitensis* Guillemain – Karolinen: Ponape, Nanpomal, 150 m (B, K)
- 13660 *Clerodendrum inerme* var. *oceanicum* A. Gray – Karolinen: Ponape, Nanpomal (B, US)
- 13661 *Digitaria setigera* Roemer & Schultes – Karolinen: Ponape (B, US)
- 13661a *Ficus tinctoria* Forster f. var. *tinctoria* – Karolinen: Ponape, Leperei, 100 m (B, US)
- 13662
- 13663 *Allophylus panigerus* Fosberg (ined.) (*Allophylus ternatus* (Forst.) Radlk. non Lour. 1790) – Karolinen: Ponape (B, K)
- 13664, 13665
- 13666 *Ludwigia octovalvis* (Jacq.) Raven – Karolinen: Ponape (B)
- 13667, 13668
- 13669 *Elaeocarpus kusanoi* Koidz. – Karolinen: Ponape, Nanpomal. Syntype of *Elaeocarpus gibbonii* Schlechter, here designated lectotype, as all other syntypes probably destroyed (B) ST
- 13670
- 13671 *Phaius amboinensis* Blume – Karolinen: Ponape, Poue, 700 m m
- 13672 *Rhus simarubaefolia* A. Gray m
- 13673
- 13674 *Isachne carolinensis* Ohwi – Karolinen: Ponape (B, US)
- 13675
- 13676 *Moerenhoutia leucantha* Schlechter – Karolinen: Ponape, Monte Santo bei Paue, 700 m m
- 13677, 13678, 13679
- 13680 *Fimbristylis glomerata* f. *spathacea* (Roth.) Kuk. m
- 13681
- 13682 *Cyrtandra urvillei* C. B. Clarke (K)
- 13683, 13684, 13685, 13686
- 13686a *Maesa carolinensis* Mez – Karolinen: Ponape, Paue, Monte Santo, (B, US) ST

- 700 m. Syntype, designated lectotype by Fosberg & Sachet in *Phytologia* 44: 365 (1970), cited as 13568a in error by both Mez and Fosberg & Sachet
- 13687, 13688
- 13689 *Psychotria merrillii* Kanehira var. *merrillii* – Karolinen: Ponape, Station Paue, 600–800 m. Syntype of *Plectronia obovata* Valeton. Leaves unusually large, pubescent. (B, US)
- 13690 *Timonius ledermannii* Valeton – Karolinen: Ponape, Paue, Hänge des Tol, 400–600 m. Syntype (B) ST
- 13691
- 13692 *Vrydagzynia micronesiaca* Schlechter – Karolinen: Ponape, bei Paue. Syntype m ST
- 13693 *Hypolytrum dissitiflorum* Steudel – Karolinen: Ponape, Monte Santo, 700 m, 400–500' (B)
- 13694
- 13695 *Myrsine carolinensis* (Mez) Fosberg & Sachet – Karolinen: Ponape, Paue, Monte Santo, 700 m. Syntypes, B sheet here designated lectotype, as it is a good flowering sheet, US sheet is an isolectotype (B, US) ST
- 13696, 13697, 13698, 13699, 13700
- 13701 *Ilex volkensiana* (Loes.) Kanehira & Hatus. – Karolinen: Ponape, Paue, Monte Santo, 700 m. Two isotype sheets, B sheet here designated lectotype, as it has, on different pieces, staminate flowers and immature fruits, US sheet an isolectotype (B, US) T
- 13702
- 13703 *Geniostoma stenurum* Gilg & Benedict – Karolinen: Ponape, Paue, 700 m. Syntype (B) ST
- 13704, 13705, 13706
- 13706a *Zehneria mucronata* (Blume) Miq. – Karolinen: Ponape (B)
- 13707
- 13708 *Psychotria hombroniana* var. *hirtella* (Valeton) Fosberg, in its strong side veins approaching var. *kusaiensis* (Kanehira) Fosberg (ined.) – Karolinen: Ponape. Syntype of *Amaracarpus hirtellus* Valeton (B) ST
- 13709 *Rhopalephora vitiensis* (Seemann) Faden – Karolinen: Ponape (B)
- 13710 *Astronidium ponapensis* (Kanehira) Markgraf – Karolinen: Ponape (B, US)
- 13710a *Hoya schneei* Schlechter m ST
- 13711
- 13712 *Mediocalcar ponapense* Schlechter – Karolinen: Ponape, Paue, 700 m m ST
- 13713, 13714, 13715, 13716, 13717, 13718, 13719, 13720, 13721
- 13722 *Terminalia carolinensis* Kanehira – Karolinen: Ponape (B)
- 13723, 13724
- 13725 *Joinvillea ascendens* var. *borneensis* (Becc.) Newell – Karolinen: Ponape (B)
- 13725a *Fagraea berteriana* var. *sair* (Gilg & Benedict) Fosberg & Sachet – Karolinen: Ponape, Patapat, 400–600 m. Syntype of *Fagraea sair* Gilg & Benedict (B) ST



|  |  |                     |    |
|--|--|---------------------|----|
| 13726  | <i>Phreatia ponapensis</i> Schlechter  | m                   | ST |
| 13726a   | <i>Timonius ponapensis</i> Valetton – Karolinen: Ponape, Pailapalap, 20–40 m. Syntype  | (B)                 | ST |
| 13727  | <i>Phreatia ponapensis</i> Schlechter – Karolinen: Ponape, Monte Santo, bei dem Lager Paue, 600–800 m  | m                   | ST |
| 13728  | <i>Eurya japonica</i> var. <i>nitida</i> (Korth.) Dyer – Karolinen: Ponape, Paue, 700–800 m  | (B)                 |    |
| 13728a   | <i>Aglaia ponapensis</i> Kanehira – Karolinen: Ponape  | (B)                 |    |
| 13729  | <i>Amyema artensis</i> (Montr.) Danser – Karolinen: Ponape   | (B, US)             |    |
| 13730  | <i>Myrsine carolinensis</i> (Mez) Fosberg & Sacht – Karolinen: Ponape, Paue, Monte Santo, 700 m. Syntype of <i>Rapanea carolinensis</i> Mez  | (B)                 | ST |
| 13731  | <i>Melicope ponapensis</i> Lauterb. – Karolinen: Ponape, Paue, Monte Santo, 800 m. Syntype   | (B)                 | ST |
| 13732  | <i>Cinnamomum sessilifolium</i> Kanehira – Karolinen: Ponape   | (B, US)             |    |
| 13733  |  |                     |    |
| 13734  | <i>Bruguiera gymnorhiza</i> (L.) Lam. – Karolinen: Ponape  | (B, US)             |    |
| 13735, 13736, 13737, 13738, 13738a                                   |  |                     |    |
| 13739  | <i>Peperomia breviramula</i> C. DC. – Karolinen: Ponape, Paue, Monte Santo, 700–800 m. Holotype in B, fragment in G (Paue, Ponape, Ost-Karolinen)  | (B, G, photo in US) | T  |
| 13740, 13741, 13742, 13743, 13744, 13745, 13746, 13747, 13748, 13749 |  |                     |    |
| 13750  | <i>Bulbophyllum micronesiacum</i> Schlechter – Karolinen: Ponape, Paue, 700–800 m  | m                   | ST |
| 13751  |  |                     |    |
| 13752  | <i>Amaracarpus hirtellus</i> Valetton – Karolinen: Ponape, Paue  | m                   | ST |
| 13753  | <i>Glochidion excorticans</i> Fosberg var. <i>excorticans</i> – Karolinen: Ponape. Paratypes   | (B, US)             | PT |
| 13754  | <i>Glochidion excorticans</i> Fosberg var. <i>excorticans</i> – Karolinen: Ponape. Paratype  | (B)                 | PT |
| 13755  | <i>Syzygium stelechanthum</i> (Diels) Glassmann – Karolinen: Ponape, Paue. Paratype, selected lectotype because it shows better inflorescences than other paratypes                                    | (B)                 | PT |
| 13756  | <i>Piper ponapense</i> C. DC. – Karolinen: Ponape. Paratype  | (B)                 | PT |
| 13757, 13758   |  |                     |    |
| 13759  | <i>Canthium barbatum</i> var. <i>korrorense</i> (Valetton) Fosberg – Karolinen: Ponape, Paue, 800 m. Syntype of <i>Plectronia korrorense</i> Valetton  | (B)                 | ST |
| 13760  | <i>Habenaria carolinensis</i> Schlechter – Karolinen: Ponape, Monte Santo bei Paue, 400 m. Isotype, here designated lectotype as holotype was destroyed  | (B)                 | T  |
| 13761  | <i>Syzygium carolinense</i> (Koidz.) Hosokawa – Karolinen: Ponape, Paue, Monte Santo. Isotypes of <i>S. ponapense</i> Diels, B sheet here designated lectotype, as it is most complete of two isotypes | (B, US)             | T  |
| 13762  | <i>Moerenhoutia leucantha</i> Schlechter – Karolinen, Ponape. Monte Santo bei Paue, 700 m  | m                   | ST |
| 13763  | <i>Glochidion puberulum</i> Hosokawa – Karolinen: Ponape   | (B, US)             |    |
| 13764, 13765   |  |                     |    |

|   |  |         |    |
|---|--|---------|----|
| 13766   | <i>Elatostema flumineo-rupestre</i> Hosokawa – Karolinen: Ponape   | (B)     |    |
| 13767, 13768  |  |         |    |
| 13769   | <i>Barringtonia racemosa</i> Blume   | m       |    |
| 13769a, 13770, 13771, 13772, 13773, 13774, 13775, 13776 |  |         |    |
| 13777   | <i>Vrydagzynea micronesiaca</i> Schlechter – Karolinen: Ponape, Monte Santo bei Paue, 700 m  | m       |    |
| 13778, 13779, 13779a, 13780                             |  |         |    |
| 13780a  | <i>Geniostoma stenurum</i> Gilg & Benedict – Karolinen: Ponape, Patapat, am Tol, 100–600 m. Syntype  | (B)     | ST |
| 13781   |  |         |    |
| 13782   | <i>Pittosporum ferrugineum</i> Aiton – Karolinen   | (B)     |    |
| 13783   | <i>Hedyotis ponapensis</i> (Valeton) Kanehira – Karolinen: Ponape, Monte Santo, 800 m. Isotype of <i>Oldenlandia ponapensis</i> Valeton, here designated lectotype, as it is probably the only surviving isotype                                   | (B)     | T  |
| 13784   |  |         |    |
| 13785   | <i>Melicope ponapensis</i> Lauterb. – Karolinen: Ponape, Monte Santo. Syntypes   | (B, US) | ST |
| 13786   | <i>Myrsine ledermannii</i> (Mez) Fosberg & Sachet – Karolinen: Ponape, Paue, Monte Santo, 800 m. Isotypes, B sheet here designated lectotype, as it is a good flowering sheet showing branching  | (B, US) | T  |
| 13787   |  |         |    |
| 13788   | <i>Elaeocarpus kerstingianus</i> Schlechter – Karolinen: Ponape, Monte Santo, 800 m. Syntype, B sheet here designated lectotype, as it has a single old flower and budding inflorescences  | (B, US) | ST |
| 13789   |  |         |    |
| 13790   | <i>Psychotria merrillii</i> Kanehira var. <i>merrillii</i> – Karolinen: Ponape, Station Paire, 600–800 m. Syntype, here designated lectotype of <i>Plectronia obovata</i> Valeton, as it seems the best available syntype to represent the species | (B)     | ST |
| 13791, 13792, 13793                                     |  |         |    |
| 13794   | <i>Claoxylon carolinianum</i> Pax & K. Hoffm. – Karolinen: Ponape. Syntype, here designated lectotype as it is probably the only surviving syntype   | (B)     | ST |
| 13795   |  |         |    |
| 13795a  | <i>Jambosa stelechantha</i> Diels. – Paratype  | m       | PT |
| 13796   | <i>Palaquium karrak</i> Kanehira – Karolinen: Ponape   | (B)     |    |
| 13797   | <i>Homalanthus fastuosus</i> (Linden) Fernandez-Villar – Karolinen: Ponape   | (B, K)  |    |
| 13798   | <i>Psychotria lasianthoides</i> Valeton – Karolinen: Ponape, Paue, 800 m. Isotypes, B sheet here designated lectotype, as it better illustrates reproductive details   | (B, US) | T  |
| 13799   | <i>Cypholophus decipiens</i> H. Winkler – Karolinen: Ponape  | (B)     |    |
| 13800   | <i>Elatostema flumineo-rupestre</i> Hosokawa – Karolinen: Ponape   | (B)     |    |
| 13801   |  |         |    |

- 13802 *Canthium barbatum* var. *korrorense* (Valeton) Fosberg – (B, US) ST  
Karolinen: Ponape, Paue, 800 m. Syntype of *Plectronia korrorensis* Valeton
- 13803 *Gironniera celtidifolia* Gaudich. – Karolinen: Ponape (B, US)
- 13804, 13805, 13806, 13807
- 13808 *Oplismenus hirtellus* (L.) Beauv. var. *hirtellus* – Karolinen: (B)  
Ponape
- 13809 *Glochidion excorticans* Fosberg var. *excorticans* – Karolinen: (B) PT  
Ponape. Paratype
- 13809a *Geniostoma stenurum* Gilg & Benedict – Karolinen: Ponape, (B) ST  
Patapat, am Tol, 100–600 m. Syntype
- 13810 *Elaeocarpus kerstingianus* Schlechter – Karolinen: Ponape, (B, US) ST  
Monte Santo, 800 m. Syntypes
- 13811 *Nothocnide repanda* (Blume) Blume – Karolinen: Ponape (B)
- 13812 *Pseuderia micronesiaca* Schlechter – Karolinen: Ponape, (B, K, ST  
bei Paue, 700–800 m. Syntype photo in US)
- 13813 *Syzygium carolinense* (Koidz.) Hosokawa – Karolinen: (B, K) PT  
Ponape, Paue, Monte Santo. Paratypes of *Syzygium ponapense* Diels
- 13814 *Plectronia polyneura* Valeton – Karolinen: Ponape, Paue, m ST  
700–800 m
- 13815 *Glochidion excorticans* Fosberg var. *excorticans* – Karolinen: (B) PT  
Ponape. Paratype
- 13816 *Meryta senffiana* Volkens – Karolinen: Ponape (B, K)
- 13817
- 13818 *Bruguiera gymnorrhiza* (L.) Lam. – Karolinen: Ponape (B)
- 13819 *Pittosporum ferrugineum* Aiton – Karolinen: Ponape (B, US)
- 13820 *Isachne carolinensis* Ohwi – Karolinen: Ponape (B)
- 13821 *Timonius ledermannii* Valeton – Karolinen: Ponape, Paue, (B) ST  
Hänge des Tol. Syntype, here designated as lectotype as it is an ample specimen showing fruit and young buds
- 13822, 13823, 13824, 13825, 13826, 13827, 13828
- 13829 *Psychotria merrillii* Kanehira var. *merrillii* – Karolinen: (B) ST  
Ponape, Station Paue, 600–800 m. Syntype of *Plectronia obovata* Valeton
- 13830, 13831
- 13832 *Claoxylon carolinianum* Pax & K. Hoffm. m ST
- 13833 *Hypolytrum dissitiflorum* Steudel (B)
- 13834 *Glochidion excorticans* Fosberg var. *excorticans* – Karolinen: (B, US) PT  
Ponape. Paratype
- 13834a *Bulbophyllum micronesiacum* Schlechter – Karolinen: Ponape, m ST  
Paue, 700–800 m
- 13835 *Phreatia ponapensis* Schlechter – Karolinen: Ponape, auf dem (K, photo ST  
Monte Santo, bei dem Lager Paue, 600–800 m. Syntype of in US)  
*Phreatia ponapensis* Schlechter, designated “type” by N. Halle, in Fl. Nouv.-Caled. 8: 323 (1977). This can be considered a lectotypification, especially as the K sheet is probably the only surviving syntype. Not represented in the Berlin collection examined



|                                   |  |                     |    |
|-----------------------------------|--|---------------------|----|
| 13836                             | <i>Microstegium spectabile</i> (Trin.) Camus f. <i>spectabile</i> – Karolinen: Ponape  | (B)                 |    |
| 13837, 13838, 13839, 13840        |  |                     |    |
| 13840a                            | <i>Cypholophus warburgianus</i> Lauterb. – Karolinen: Ponape   | (B)                 |    |
| 13840b                            | <i>Vrydagzynia micronesiaca</i> Schlechter – Karolinen: Ponape, Monte Santo, 700 m. Syntype  | m                   | ST |
| 13841                             | <i>Bulbophyllum micronesiacum</i> Schlechter – Karolinen: Ponape, Paue, 700–800 m  | m                   | ST |
| 13842                             | <i>Rhynchophreatia carolinensis</i> (Schlechter) Fosberg & Sachet – Karolinen: Ponape. Syntype of <i>Phreatia carolinensis</i> Schlechter, the B sheet here designated lectotype, as it is a very adequate flowering sheet of the surviving collection of this species | (B, K, photo in US) | ST |
| 13843                             | <i>Triumfetta rhomboidea</i> Jacq. – Karolinen: Ponape   | (B)                 |    |
| 13844                             | <i>Hypolytrum dissitiflorum</i> Steudel  | (B)                 |    |
| 13845                             | <i>Phreatia thompsonii</i> Ames – Karolinen: Ponape, Nanpiop, 300–400 m  | m                   |    |
| 13845a                            | <i>Pseuderia micronesiaca</i> Schlechter – Karolinen: Ponape, bei Paue, 700–800 m  | m                   | ST |
| 13846, 13847, 13848, 13849, 13850 |  |                     |    |
| 13850a                            | undetermined, sterile, perhaps <i>Leea</i> spec.   | (B)                 |    |
| 13851, 13852, 13853, 13854        |  |                     |    |
| 13855                             | <i>Clerodendrum thomsonae</i> Balf.  | m                   |    |
| 13856                             | <i>Ipomoea aquatica</i> Forsskål – Karolinen: Ponape   | (B, K)              |    |
| 13857, 13858                      |  |                     |    |
| 13859                             | <i>Manihot esculenta</i> Crantz – Karolinen: Ponape  | (B)                 |    |
| 13860                             | <i>Habenaria carolinensis</i> Schlechter   | m                   | T  |
| 13861                             | <i>Ocimum basilicum</i> L. – Karolinen: Ponape   | (B)                 |    |
| 13862, 13863, 13864, 13865        |  |                     |    |
| 13866                             | <i>Cyperus polystachyos</i> Rottb.   | m                   |    |
| 13867                             | <i>Eragrostis amabilis</i> (L.) Wight & Arn.   | (B)                 |    |
| 13868, 13869                      |  |                     |    |
| 13870                             | <i>Ageratum conyzoides</i> L. – Ponape, s.l.   | (BISH)              |    |
| 13871                             | <i>Rhus succedanea</i> var. <i>japonica</i> Engler   | m                   |    |
| 13872                             | <i>Cyperus compressus</i> L.   | m                   |    |
| 13873                             | <i>Timonius ponapensis</i> Valetton – Karolinen: Ponape, Pailapalap, 20–40 m. Syntype, here designated lectotype because it is an ample, well-pressed sheet that shows good inflorescences, leaves and stipules  | (B)                 | ST |
| 13873a                            | <i>Pittosporum ferrugineum</i> Aiton – Karolinen: Ponape   | (B)                 |    |
| 13874                             | <i>Physalis angulata</i> var. <i>lanceifolia</i> (Nees) Waterfall – Karolinen: Ponape  | (B, K)              |    |
| 13875                             | <i>Vernonia cinerea</i> Less. – Karolinen: Ponape  | (B)                 |    |
| 13876                             | <i>Paspalum orbiculare</i> Forster f. – Karolinen: Ponape  | (B)                 |    |
| 13877                             |  |                     |    |
| 13878                             | <i>Synedrella nodiflora</i> (L.) Gaertner – Karolinen: Ponape  | (B, K)              |    |
| 13878a                            | <i>Phyllanthus amarus</i> Schum.   | (B)                 |    |
| 13879, 13880                      |  |                     |    |
| 13881                             | <i>Cleome viscosa</i> L. – Karolinen: Ponape   | (B, US)             |    |

- 13882  
13883 *Acacia farnesiana* (L.) Willd. – Karolinen: Ponape (B, K)  
13884  
13885 *Hyptis capitata* Jacq. – Karolinen: Ponape (B)  
13886 *Tephrosia villosa* (L.) Pers. – Karolinen: Ponape (B)  
13887 *Cenchrus echinatus* L. – Karolinen: Ponape (B)  
13888  
13889 *Calophyllum inophyllum* L. – Karolinen: Ponape (K)  
13890 *Amaranthus viridis* L. – Karolinen: Ponape (B)  
13891, 13892, 13893  
13894 *Vernonia chinensis* Less. – Karolinen: Ponape (B)  
13895  
13896 *Hyptis mutabilis* (Rich.) Briq. – Karolinen: Ponape (B)  
13897, 13898  
13899 *Spermacoce hispida* L. var. – Karolinen: Ponape, Pailapalap, 20–40 m. Isotype of *Borreria rotundifolia* Valetton (non Anders.) here designated lectotype, as it is probably the only surviving isotype (a piece of *Melochia corchorifolia* L. is mounted on same sheet, here designated *Ledermann 13899a*, vide infra) (B) T  
13899a *Melochia corchorifolia* L. – Karolinen: Ponape (on same sheet with *Ledermann 13899*) (B)  
13900 *Euphorbia hirta* L. – Karolinen: Ponape (B)  
13901 *Fimbristylis miliacea* (Thunb.) Vahl m  
13902 *Ludwigia hyssopifolia* (G. Don) Exell – Karolinen: Ponape (B)  
13903 *Cassia occidentalis* L. – Karolinen: Ponape (B)  
13904, 13905, 13906, 13907  
13908 *Scoparia dulcis* L. m  
13909 *Pilea microphylla* (L.) Liebm. – Karolinen: Ponape (B)  
13910, 13911, 13912  
13913 *Syzygium malaccense* (L.) Merr. & Perry – Karolinen: Ponape (B)  
13914 *Peperomia ponapensis* C. DC. – Nan Madol. Holotype B, fragment in G. Photo in US (Metalanim, Ponape) (B, G, T photo in US)  
13914a *Ervatamia coronaria* (Jacq.) Stapf m  
13915 *Ischaemum polystachyum* var. *chordatum* (Trin.) Fosberg & Sacht? – Karolinen: Ponape (B)  
13916 *Sida rhombifolia* L. – Karolinen: Ponape (B)  
13917 *Citrus sinensis* (L.) Osbeck ? – Karolinen: Ponape, Pailapalap (B)  
13918 *Alternanthera paronychioides* var. *betzickiana* (Regel) Fosberg – Karolinen: Ponape (B)  
13919, 13920  
13921 *Cyperus javanicus* Houtt.? – Karolinen: Ponape, Pailapalap (B)  
13922 *Wollastonia biflora* (L.) DC. – Karolinen: Ponape (K)  
13923 *Hedyotis corymbosa* (L.) Lam. – Karolinen: Ponape (B)  
13924, 13925  
13926 *Fimbristylis miliacea* (Thunb.) Vahl m  
13927  
13927a *Dendrobium carolinense* Schlechter – Karolinen: Ponape, Patapat, 300–600 m m ST

|                                   |   |         |    |
|-----------------------------------|---|---------|----|
| 13928                             | <i>Leucaena leucocephala</i> (Lam.) de Wit – Karolinen: Ponape  | (K)     |    |
| 13929, 13930, 13931               |   |         |    |
| 13932                             | <i>Fagraea berteriana</i> var. <i>sair</i> (Gilg & Benedict) Fosberg & Sachet – Karolinen: Ponape, Pailapalap. Syntype of <i>Fagraea sair</i> Gilg & Benedict here designated lectotype, as it is the only flowering syntype known still to exist | (B)     | ST |
| 13933                             | <i>Neisosperma oppositifolia</i> (Lam.) Fosberg & Sachet – Karolinen: Ponape, Pailapalap  | (B)     |    |
| 13934                             | <i>Coffea arabica</i> L. – Karolinen: Ponape  | (B, US) |    |
| 13935, 13936, 13937, 13938, 13939 |   |         |    |
| 13940                             | <i>Eleusine indica</i> (L.) Gaertner – Karolinen: Ponape  | (B)     |    |
| 13940a                            |   |         |    |
| 13941                             | <i>Dalbergia candenatensis</i> (Dennst.) Prain – Karolinen: Ponape  | (B, US) |    |
| 13942                             | <i>Echinochloa colonum</i> (L.) Link – Karolinen: Ponape  | (B)     |    |
| 13943                             | <i>Elephantopus mollis</i> Kunth – Karolinen: Ponape  | (B, K)  |    |
| 13944                             | <i>Barringtonia racemosa</i> Blume  | m       |    |
| 13945                             | <i>Vigna marina</i> (Burman) Merr. – Karolinen: Ponape  | (B)     |    |
| 13946                             | <i>Inocarpus fagifer</i> (Parkinson) Fosberg – Karolinen: Ponape  | (B, K)  |    |
| 13947                             | <i>Colubrina asiatica</i> (L.) Brongn. – Karolinen: Ponape, Pailapalap  | (B)     |    |
| 13948, 13949                      |   |         |    |
| 13950                             | <i>Melia azedarach</i> L. – Karolinen: Ponape   | (B)     |    |
| 13951                             | <i>Passiflora foetida</i> var. <i>hispida</i> (DC.) Killip – Karolinen: Ponape  | (B, K)  |    |
| 13952                             | <i>Crotalaria pallida</i> Aiton – Karolinen: Ponape   | (B)     |    |
| 13952a                            | <i>Paspalum conjugatum</i> Bergius – Karolinen: Ponape  | (B)     |    |
| 13953                             | <i>Lagenaria siceraria</i> (Mol.) Standley – Karolinen: Ponape  | (K)     |    |
| 13954                             | <i>Terminalia carolinensis</i> Kanehira – Karolinen: Ponape   | (K)     |    |
| 13955, 13956, 13957               |   |         |    |
| 13957a                            | <i>Ludwigia byssopifolia</i> (G. Don) Exell – Karolinen: Ponape   | (B)     |    |
| 13958                             | <i>Mimosa pudica</i> var. <i>tetrandra</i> (Humb. & Bonpl. ex Willd.) DC. – Karolinen: Ponape   | (B)     |    |
| 13959                             | <i>Urena lobata</i> L. – Karolinen: Ponape  | (B)     |    |
| 13960                             | <i>Nothocnide repanda</i> (Blume) Blume – Karolinen: Ponape   | (B)     |    |
| 13960a                            | <i>Paspalum cartilagineum</i> Presl – Karolinen: Ponape   | (B)     |    |
| 13961                             | <i>Fimbristylis littoralis</i> Gaudich. – Karolinen: Ponape   | (B)     |    |
| 13962                             | <i>Spermacoce hispida</i> L. – Karolinen: Ponape  | (B)     |    |
| 13963                             | <i>Oldenlandia corymbosa</i> L.   | m       |    |
| 13964                             |   |         |    |
| 13965                             | <i>Spondias dulcis</i> Forster f. [Parkinson]   | m       |    |
| 13966, 13967                      |   |         |    |
| 13968                             | <i>Claoxylon carolinianum</i> Pax & K. Hoffm. – Karolinen: Ponape, Leperei. Syntype   | (B)     | ST |
| 13969                             | <i>Blechum brownei</i> f. <i>puberulum</i> Leonard – Karolinen: Ponape  | (B)     |    |
| 13970                             | <i>Ipomoea macrantha</i> Roemer & Schultes – Karolinen: Ponape  | (K)     |    |
| 13971                             | <i>Desmodium umbellatum</i> (L.) DC. – Karolinen: Ponape  | (B)     |    |
| 13972                             | <i>Tournefortia argentea</i> L. f. – Karolinen: Ponape  | (B)     |    |
| 13973                             | <i>Cordia subcordata</i> Lam. – Karolinen: Ponape   | (B)     |    |
| 13974                             | <i>Scaevola sericea</i> Vahl (as <i>S. frutescens</i> (Miller) K. Krause)   | (K)     |    |
| 13975                             |   |         |    |



- 13976 *Bruguiera gymnorhiza* (L.) Lam. – Karolinen: Ponape (B)  
 13977 *Pemphis acidula* Forster – Karolinen: Ponape (B, K)  
 13978  
 13979 *Brassica integrifolia* var. *timoreana* (DC.) Schultz m  
 13980  
 13981 *Allophylus timorensis* (DC.) Blume – Karolinen: Ponape (B)  
 13982 *Laportea ruderalis* (Forster f.) Chew – Karolinen: Ponape (B)  
 13983 *Microstegium glabratum* (Brongn.) Camus – Karolinen: Ponape (B)  
 13984, 13985  
 13986 *Peperomia ponapensis* C. DC. – Karolinen: Ponape s.l. (G)  
 13987 *Croton ripense* Kanehira & Hatus. – Karolinen: Ponape (B)  
 13988 *Thespesia populnea* (L.) Correa – Karolinen: Ponape (B)  
 13989 *Colubrina asiatica* (L.) Brongn. – Karolinen: Ponape, Metalanim (B, US)  
 13990, 13991  
 13991a *Lumnitzera littorea* (Jack) Voigt – Karolinen: Ponape (B)  
 13992  
 13993 *Inocarpus fagifer* (Parkinson) Fosberg – Karolinen: Ponape (K)  
 13993a *Jambosa javanica* (Lam.) Schum. & Lauterb. m  
 13994 *Taeniophyllum petrophilum* Schlechter – Karolinen: Ponape, Mutok, 10–20 m m ST  
 13995  
 13996 *Syzygium aqueum* (Burm. f.) Alston – Karolinen: Ponape, Kiti, 20–40 m (B, K)  
 13997 *Terminalia carolinensis* Kanehira – Karolinen: Ponape, 10–40 m (B, US)  
 13998 *Spilanthes iabadicensis* A. H. Moore – Karolinen: Ponape (B, US)  
 13999 *Achyranthes aspera* var. *pubescens* (Moq.) Townsend – Karolinen: Ponape (B)  
 14000, 14001  
 14001b *Terminalia carolinensis* Kanehira – Karolinen: Ponape (B)  
 14002, 14003  
 14004 *Atuna racemosa* Raf. – Karolinen: Ponape (B)  
 14005 *Breymia disticha* Forster – Karolinen: Ponape (B)  
 14006 *Kyllinga brevifolia* Rottb. m  
 14007  
 14008 *Rhizophora mucronata* var. *stylosa* (Griffith) Schimper – Karolinen: Ponape (B)  
 14009, 14010, 14011, 14012, 14013, 14014, 14015, 14016  
 14017 *Hernandia sonora* var. *nymphaeaefolia* (Presl) Fosberg – Mikronesien: Truk-Inseln (B, K)  
 14018 *Abrus precatorius* L. – Mikronesien: Truk-Inseln (B)  
 14019 *Callicarpa cardicans* var. *integrifolia* f. *glabriuscula* (Lam) Fosberg – Mikronesien: Truk-Inseln (B)  
 14020, 14021  
 14022 *Ochrocarpus excelsus* (Planchon & Triana) Vesque m  
 14023 *Ischaemum muticum* L. – Mikronesien: Truk-Inseln (B)  
 14024 *Ficus prolixa* var. *carolinensis* (Warb.) Fosberg – Mikronesien: Truk-Inseln (B)  
 14025 *Bentinckiopsis carolinensis* Becc. m

|        |   |         |    |
|--------|---|---------|----|
| 14026  | <i>Bikkia tetrandra</i> (L. f.) A. Rich (s.l.) – Mariannen: Rota. Isotype of <i>Bikkia longicarpa</i> Valetton here designated lectotype  | (B)     | T  |
| 14027  |   |         |    |
| 14028  | <i>Cerbera manghas</i> L.   | m       |    |
| 14029  | <i>Ficus microcarpa</i> var. <i>latifolia</i> (Miq.) Corner – Palau-Inseln: Korrer, 10–100 m  | (B)     |    |
| 14030  |   |         |    |
| 14031  | <i>Salacia chinensis</i> L. – Palau-Inseln: Korrer  | (B)     |    |
| 14032  | <i>Decaspermum parviflorum</i> (Lam.) Scott – Palau-Inseln, 20–30 m   | (B, K)  |    |
| 14033  | <i>Commersonia bartramia</i> (L.) Merr. – Palau-Inseln  | (B, K)  |    |
| 14034  | <i>Connarus semidecandrus</i> var. <i>gaudichaudii</i> (DC.) Fosberg  | (B)     |    |
| 14035  | <i>Melastoma malabathricum</i> var. <i>mariannum</i> (Naudin) Fosberg & Sacht – Palau-Inseln  | (B)     |    |
| 14036  | <i>Phyllanthus palauensis</i> Hosokawa – Palau-Inseln   | (B)     |    |
| 14037  |   |         |    |
| 14038  | <i>Hedyotis korrorensis</i> (Valeton) Hosokawa – Palau-Inseln. Syntype, here designated lectotype of <i>Oldenlandia korrorensis</i> Valeton, as it is an excellent sheet and probably the only surviving sheet of the original cited material   | (B)     | ST |
| 14039  |   |         |    |
| 14040  | <i>Glochidion</i> spec. – Palau-Inseln  | (B)     |    |
| 14040a | <i>Cleistanthus carolinensis</i> Jabl.  | (B)     |    |
| 14041  |   |         |    |
| 14042  | <i>Euryajaponica</i> var. <i>nitida</i> (Korth.) Dyer – Palau-Inseln  | (B)     |    |
| 14043  | <i>Spathoglottis micronesiaca</i> Schlechter – Palau-Inseln: Korrer, 20–30 m  | m       | ST |
| 14044  | <i>Macaranga carolinensis</i> Volkens – Palau-Inseln  | (B, K)  |    |
| 14045  | <i>Vitex cofassus</i> Reinw. ex Blume – Palau-Inseln  | (B)     |    |
| 14046  | <i>Timonius subauritus</i> Valeton var. <i>subauritus</i> – Palau-Inseln: Korrer, 10–20 m. Syntype, B sheet designated lectotype by Fosberg & Sacht in <i>Micronesica</i> 20: 163 (1987) because it shows well the characters of the pistillate flowering plant as described by Valeton | (B, US) | ST |
| 14047  | <i>Morinda pedunculata</i> Valeton – Palau-Inseln: Korrer, 20 m   | m       | ST |
| 14048  |   |         |    |
| 14049  | <i>Cayratia trifolia</i> (L.) Domin – Palau-Inseln: Korrer  | (B, K)  |    |
| 14050  | <i>Machaerina mariscoides</i> (Gaudich.) Kern   | (B)     |    |
| 14051  | <i>Timonius corymbosus</i> Valeton – Palau-Inseln: Korrer. Syntype, designated lectotype by Fosberg & Sacht in <i>Micronesica</i> 20: 159 (1987) selected because it shows very well the ample staminate cymes characteristic of this species   | (B)     | ST |
| 14052  | <i>Casuarina equisetifolia</i> L. – Palau-Inseln  | (B, K)  |    |
| 14053  | <i>Dendrobium elongaticolle</i> Schlechter – Palau-Inseln: Korrer, 20–100 m   | m       | ST |
| 14054  | <i>Dendrobium kraemeri</i> Schlechter – Palau-Inseln: Korrer, 20–30 m   | m       | ST |
| 14055  | <i>Digitaria radicata</i> (Presl) Miq. – Palau-Inseln   | (B)     |    |
| 14056  | <i>Taeniophyllum petrophilum</i> Schlechter – Palau-Inseln: Korrer, 20–30 m   | m       | ST |
| 14057  | <i>Bulbophyllum volkensis</i> Schlechter – Palau-Inseln: Babeldaob, 20–30 m   | m       | ST |

|                     |   |                  |    |
|---------------------|---|------------------|----|
| 14058               |   |                  |    |
| 14059               | <i>Rhynchophreatia palawensis</i> Schlechter – Palau-Inseln: Korrer, 10–100 m. Isotype, here designated lectotype as it is probably the only remaining isotype  | (K)              | T  |
| 14060               | <i>Scaevola sericea</i> Vahl – Palau-Inseln   | (K)              |    |
| 14061               |   |                  |    |
| 14062               | <i>Pemphis acidula</i> Forster – Palau-Inseln   | (B)              |    |
| 14063               | <i>Trichoglottis ledermannii</i> Schlechter – Palau-Inseln. Isotype (?) not cited by Schlechter, who cites 13063, certainly in error, as he gives Palau, Korrer as locality, which would not fit his numbering, as Palau collections have 14000 numbers, hence this is probably an isotype and is here designated lectotype | (K, photo in US) | T  |
| 14064               | <i>Eugenia reinwardtiana</i> (Blume) DC. – Palau Inseln: Korrer. Large leafed form  | (B)              |    |
| 14065               | <i>Callicarpa elegans</i> Hayek – Palau-Inseln: Korrer  | (B)              |    |
| 14066               | <i>Vandopsis raymundii</i> Schlechter – Palau-Inseln: Korrer, 10–100 m. Syntype, here designated lectotype, as it is probably the only surviving syntype and is a good specimen with a flowering inflorescence  | (K, photo in US) | ST |
| 14067               | <i>Aidia cochinchinensis</i> Lour. – Palau-Inseln: Korrer   | (B)              |    |
| 14068               | <i>Flacourtia rukam</i> var. <i>micronesica</i> Fosberg & Sachet – Palau-Inseln   | (B)              |    |
| 14068a              | <i>Flacourtia rukam</i> var. <i>micronesica</i> Fosberg & Sachet – Palau-Inseln   | (B)              |    |
| 14069               | <i>Guettarda speciosa</i> L. var. – Palau-Inseln  | (B)              |    |
| 14070               |   |                  |    |
| 14071               | <i>Euodia palawensis</i> Lauterb. – Palau-Inseln: Korrer, 10–100 m  | m                | ST |
| 14072               | <i>Acalypha amentacea</i> var. <i>palauensis</i> Fosberg – Palau-Inseln   | (B)              |    |
| 14073               | <i>Bikkia palauensis</i> Valeton – Palau-Inseln: Korrer, Kokeal, 10 m   | m                |    |
| 14074               | <i>Premna serratifolia</i> L. – Palau-Inseln: Korrer, 20–200 m. Syntype of <i>Premna integrifolia</i> subsp. <i>denticulabium</i> Lam   | (B)              | ST |
| 14075               | <i>Micromelum minutum</i> Seemann – Palau-Inseln: Korrer, 10–100 m  | m                |    |
| 14076, 14077, 14078 |   |                  |    |
| 14079               | <i>Pouteria obovata</i> (R. Br.) Baehni – Palau-Inseln  | (B)              |    |
| 14080               | <i>Alyxia palauensis</i> Markgraf – Palau-Inseln: Korrer. Syntype, here designated lectotype  | (B)              | ST |
| 14081               | <i>Hemigraphis reptans</i> (Forster f.) T. Anderson – Palau-Inseln  | (B)              |    |
| 14082, 14083        |   |                  |    |
| 14084               | <i>Maesa palauensis</i> Mez – Palau-Inseln. Isotype, here designated lectotype, as it is probably the only remaining isotype  | (K)              | T  |
| 14085               | <i>Gymnosporia palauica</i> Loes. – Palau-Inseln: Kokeal Insel near Korrer  | m                | ST |
| 14086               | <i>Desmodium umbellatum</i> (L.) DC. – Palau-Inseln   | (B, US)          |    |
| 14087               |   |                  |    |
| 14088               | <i>Clerodendrum inerme</i> var. <i>oceanicum</i> A. Gray – Palau-Inseln: Korrer, 20–40 m  | (B)              |    |
| 14089, 14090, 14091 |   |                  |    |
| 14092               | <i>Flemingia strobilifera</i> (L.) R. Br. – Palau-Inseln  | (B)              |    |
| 14093               | <i>Ischaemum timorense</i> Kunth – Palau-Inseln   | (B)              |    |
| 14094               |   |                  |    |

|              |  |         |    |
|--------------|--|---------|----|
| 14095        | <i>Flacourtia rukam</i> var. <i>micronesica</i> Fosberg & Sachet – Palau-Inseln  | (B)     |    |
| 14096        | <i>Salacia forsteniana</i> Miq. – Palau-Inseln: Korrör, 10–100 m. Syntype, here designated lectotype of <i>Salacicrates kraemeri</i> Loesner as it is probably the only surviving syntype                                      | (B)     | ST |
| 14097        |  |         |    |
| 14098        | <i>Badusa palauensis</i> Valetton – Palau-Inseln: Korrör, 10–100 m   | m       | ST |
| 14099        | <i>Psychotria hombroniana</i> var. <i>squarrosa</i> (Valetton) Fosberg – Palau-Inseln: Korrör. Isotype, here designated lectotype of <i>Amaracarpus carolinensis</i> Valetton, as it is probably the only surviving isotype    | (B)     | T  |
| 14099a       | <i>Badusa palauensis</i> Valetton – Palau-Inseln. This number is not cited by Valetton with the original description   | (B)     |    |
| 14100        | <i>Derris trifoliata</i> Lour. – Palau-Inseln  | (B)     |    |
| 14101        | <i>Micromelum minutum</i> Seemann – Palau-Inseln: Korrör, Kalkfelsen   | (B)     |    |
| 14102        | <i>Peperomia palauensis</i> C. DC. – Palau-Inseln: Kalkfelsen. Holotype still in B, fragment in G  | (B, G)  | T  |
| 14103        | <i>Microstylis calcarea</i> Schlechter – Palau-Inseln: Korrör, Kalkfelsen, 10–100 m  | m       | ST |
| 14103        | <i>Badusa palauensis</i> Valetton  | m       | ST |
| 14104        | <i>Limnophila fragrans</i> var. <i>brevis</i> Schlechter   | m       | T  |
| 14105        |  |         |    |
| 14106        | <i>Symplocos racemosa</i> var. <i>palauensis</i> (Koidz.) Nooteb. – Palau-Inseln: Korrör, “Kaptui”, 20–40 m. Syntype of <i>Symplocos chabdui</i> Brand, here designated lectotype as it is probably the only surviving syntype | (B)     | ST |
| 14107        | <i>Leea brunoniana</i> C. B. Clarke  | m       |    |
| 14108        |  |         |    |
| 14109        | <i>Euphorbia gaudichaudii</i> Boiss. – Palau-Inseln  | (B, K)  |    |
| 14110        | <i>Ambroma augusta</i> (L.) L. f. – Palau-Inseln   | (B, K)  |    |
| 14111        | <i>Mollugo pentaphylla</i> L. – Palau-Inseln   | (B)     |    |
| 14112        | <i>Salomonina cantoniensis</i> Lour. – Palau-Inseln  | (B, US) |    |
| 14113        | <i>Phyllanthus amarus</i> Schum. – Palau-Inseln  | (B)     |    |
| 14114        | <i>Amaranthus viridis</i> L. – Palau-Inseln  | (B)     |    |
| 14115        |  |         |    |
| 14116        | <i>Limnophila fragrans</i> (Forster f.) Seemann – Palau-Inseln: Korrör, 20–40 m  | (B, K)  |    |
| 14117        | <i>Psilotrichum ferrugineum</i> (Roxb.) Moq. – Palau-Inseln  | (B)     |    |
| 14118, 14119 |  |         |    |
| 14120        | <i>Melochia compacta</i> Hochr. – Palau-Inseln   | (B)     |    |
| 14121        | <i>Trema virgata</i> var. <i>scabra</i> Blume – Palau-Inseln   | (B)     |    |
| 14122        | <i>Vitex negundo</i> var. <i>bicolor</i> (Willd.) Lam – Palau-Inseln: Korrör   | (B)     |    |
| 14123        | <i>Cyperus kyllingia</i> Endl. – Palau-Inseln  | (K)     |    |
| 14124        | <i>Hemigraphis palauana</i> Hosokawa – Palau-Inseln  | (B, K)  |    |
| 14125        |  |         |    |
| 14126        | <i>Callicarpa cana</i> var. <i>longifolia</i> Lam  | m       | ST |
| 14127, 14128 |  |         |    |
| 14129        | <i>Peperomia pellucida</i> Kunth – Palau-Inseln  | (B)     |    |



|                            |   |        |    |
|----------------------------|---|--------|----|
| 14130, 14131               |   |        |    |
| 14132                      | <i>Wikstroemia elliptica</i> Merr. – Palau-Inseln   | (B, K) |    |
| 14133                      | <i>Clerodendrum buchananii</i> var. <i>fallax</i> (Lindl.) Bakh. – Palau-Inseln   | (B)    |    |
| 14134                      |   |        |    |
| 14135                      | <i>Dodonaea viscosa</i> Jacq. – Palau-Inseln  | (B)    |    |
| 14136                      |   |        |    |
| 14137                      | <i>Semecarpus venenosa</i> Volkens  | m      |    |
| 14138                      |   |        |    |
| 14139                      | <i>Spondias mangifera</i> Willd.  | m      |    |
| 14140, 14141               |   |        |    |
| 14142                      | <i>Eriachne pallescens</i> R. Br.   | (B)    |    |
| 14143                      | <i>Plectronia ovalifolia</i> Valetton – Palau-Inseln: Korrer, 20–40 m   | m      |    |
| 14144, 14145, 14146        |   |        |    |
| 14147                      | <i>Semecarpus venenosa</i> Volkens – Palau-Inseln: Korrer, 10–100 m   | m      |    |
| 14148                      | <i>Euodia palawensis</i> Lauterb. – Palau-Inseln: Korrer, 10–100 m, limestone island without soil. Syntype, here designated lectotype as it has open flowers  | (B)    | ST |
| 14148a                     | <i>Dendrobium kraemeri</i> Schlechter – Palau-Inseln: Korrer, 20–30 m   | m      |    |
| 14149                      | <i>Gulubiopsis palauensis</i> Becc.   | m      | T  |
| 14150                      | <i>Badusa palauensis</i> Valetton – Palau-Inseln: Korrer, 10–160 m. Syntype, here designated lectotype, as it is adequate, both flowering and fruiting, and it may be the only surviving syntype sheet  | (B)    | ST |
| 14151                      | <i>Corymbis ledermannii</i> Schlechter – Palau-Inseln: Korrer   | m      | ST |
| 14152                      | <i>Psychotria mycetoides</i> Valetton – Palau-Inseln: Korrer, 10–100 m  | m      | ST |
| 14153, 14154, 14155        |   |        |    |
| 14156                      | <i>Dendrobium elongaticolle</i> Schlechter – Palau-Inseln: Korrer, 20–100 m   | m      | ST |
| 14157                      | <i>Capparis carolinensis</i> Kanehira – Palau-Inseln  | (B)    |    |
| 14158                      | <i>Aidia cochinchinensis</i> Lour. – Palau-Inseln   | (B)    |    |
| 14159                      |   |        |    |
| 14160                      | <i>Allophylus timorensis</i> (DC.) Blume – Palau-Inseln   | (B)    |    |
| 14161, 14162, 14163, 14164 |   |        |    |
| 14164a                     | <i>Gmelina elliptica</i> Smith – Palau-Inseln, 20–40 m  | (B)    |    |
| 14165                      | <i>Cyperus haspan</i> L.  | m      |    |
| 14166, 14167               |   |        |    |
| 14168                      | <i>Setaria pallide-fusca</i> (Schum.) Stapf & C. E. Hubb. – Palau-Inseln  | (B)    |    |
| 14169                      | <i>Setaria pallide-fusca</i> (Schum.) Stapf & C. E. Hubb. – Palau-Inseln  | (B)    |    |
| 14170                      |   |        |    |
| 14171                      | <i>Hedyotis tomentosa</i> (Valetton) Hosokawa – Palau-Inseln: Korrer, 20–40 m. Syntype, here designated lectotype of <i>Oldenlandia tomentosa</i> Valetton, because it is a full sheet, showing more of the characters of the species than other specimens examined | (B)    | ST |
| 14172                      | <i>Euphorbia hirta</i> L. – Palau-Inseln  | (B)    |    |
| 14173                      | <i>Rhynchospora corymbosa</i> (L.) Britt. – Palau-Inseln: Korrer  | (B)    |    |
| 14174                      | <i>Fimbristylis dichotoma</i> subsp. <i>longispica</i> (Steudel) Koyama – Palau-Inseln. Syntype of <i>Fimbristylis annua</i> var. <i>subferruginea</i> Kük., here designated lectotype as it may be the only surviving syntype                                      | (B)    | ST |

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|--|--|-----------|----|
| 14175                                    | <i>Scleria bancana</i> Miq.  | m         |    |
| 14176                                    |  |           |    |
| 14177                                    | <i>Indigofera suffruticosa</i> Miller – Palau-Inseln   | (B)       |    |
| 14178                                    | <i>Andropogon brevifolius</i> var. <i>paradoxus</i> (Buse) Ohwi – Palau-Inseln   | (B)       |    |
| 14179                                    | <i>Wollastonia biflora</i> (L.) DC. – Palau-Inseln   | (B, K)    |    |
| 14180                                    | <i>Asclepias curassavica</i> L.  | m         |    |
| 14181                                    | <i>Euphorbia gaudichaudii</i> Boiss. – Palau-Inseln  | (B)       |    |
| 14182                                    | <i>Ilysanthes veronicaefolia</i> (Retz.) Urban   | m         |    |
| 14183                                    | <i>Sida rhombifolia</i> L. – Palau-Inseln  | (B)       |    |
| 14184                                    |  |           |    |
| 14185                                    | <i>Eurya japonica</i> var. <i>nitida</i> (Korth.) Dyer   | m         |    |
| 14186                                    | <i>Desmodium heterocarpon</i> var. <i>strigosum</i> v. Meeuwen – Palau-Inseln  | (B)       |    |
| 14187, 14188                             |  |           |    |
| 14189                                    | <i>Fagraea ksid</i> Gilg & Benedict – Palau-Inseln: Korrer, 20–40 m  | m         |    |
| 14190                                    |  |           |    |
| 14191                                    | <i>Scleria caricina</i> (R. Br.) Benth. – Palau-Inseln   | (B, BISH) |    |
| 14192                                    | <i>Alysicarpus bupleurifolia</i> (L.) DC. – Palau-Inseln   | (B)       |    |
| 14193                                    | <i>Maranthes corymbosa</i> Blume – Palau-Inseln  | (B)       |    |
| 14194                                    | <i>Trema orientalis</i> var. <i>amboinensis</i> (Willd.) Lauterb. – Palau-Inseln: Korrer   | (B)       |    |
| 14195                                    | <i>Connarus semidecandrus</i> var. <i>gaudichaudii</i> (DC.) Fosberg – Palau-Inseln: Korrer  | (B)       |    |
| 14196                                    | <i>Timonius subauritus</i> Valetton var. <i>subauritus</i> – Palau-Inseln: Korrer, 10–20 m. Syntype  | (B)       | ST |
| 14197, 14198, 14199                      |  |           |    |
| 14200                                    | <i>Plectronia ovalifolia</i> Valetton  | m         |    |
| 14201                                    | <i>Callicarpa elegans</i> Hayek – Palau-Inseln: Korrer, 10–40 m  | (B)       |    |
| 14202                                    | <i>Euodia nitida</i> Lauterb. – Palau-Inseln: Korrer, 20–40 m. Syntype, here selected as lectotype because both buds and fruits are present  | (B)       | ST |
| 14203, 14204                             |  |           |    |
| 14205                                    | <i>Sacciolepis indica</i> (L.) Chase – Palau-Inseln  | (B)       |    |
| 14206                                    | <i>Tephrosia villosa</i> (L.) Pers. – Palau-Inseln   | (B)       |    |
| 14207                                    | <i>Cyrtococcum oxyphyllum</i> (Hochst. ex Steudel) Stapf – Palau-Inseln  | (B)       |    |
| 14208, 14209, 14210, 14211               |  |           |    |
| 14212                                    | <i>Ipomoea littoralis</i> Blume – Palau-Inseln   | (B, K)    |    |
| 14213                                    |  |           |    |
| 14214                                    | <i>Crateva speciosa</i> Volkens – Palau-Inseln   | (B)       |    |
| 14215                                    |  |           |    |
| 14216                                    | <i>Syzygium samarangense</i> (Blume) Merr. & Perry – Palau-Inseln  | (K)       |    |
| 14217                                    | <i>Mussaenda frondosa</i> L. sensu lato – Palau-Inseln   | (B)       |    |
| 14218                                    | <i>Serianthes kanehirae</i> Fosberg – Palau-Inseln   | (B)       |    |
| 14219, 14220, 14221, 14222               |  |           |    |
| 14223                                    | <i>Cyperus kyllingia</i> Endl. – Palau-Inseln: Korrer  | (B)       |    |
| 14224, 14225, 14226, 14227, 14228, 14229 |  |           |    |
| 14230                                    | <i>Psychotria leptothyrsa</i> var. <i>longicarpa</i> Valetton – Palau-Inseln: Korrer, 10–100 m. Syntype, here designated lectotype, selected because it shows fully developed fruit and has a locality indicated | (B)       | ST |

|                     |  |        |    |
|---------------------|--|--------|----|
| 14231               | <i>Calophyllum cholobtaches</i> Lauterb.   | m      | ST |
| 14232               | <i>Embelia palauensis</i> Mez – Palau-Inseln: Korrör, 10–100 m   | m      | ST |
| 14233               |  |        |    |
| 14234               | <i>Eugenia palauensis</i> Kanehira – Palau-Inseln  | (B)    |    |
| 14235               |  |        |    |
| 14236               | <i>Morinda latibracteata</i> Valetton – Palau-Inseln: Korrör, 10–100 m   | m      | T  |
| 14237, 14238, 14239 |  |        |    |
| 14240               | <i>Horsfieldia spicata</i> (Roxb.) Sinclair – Palau-Inseln: Kalkfelsinsel bei Korrör, 10–100 m   | (B)    |    |
| 14241               |  |        |    |
| 14242               | <i>Bridelia palauensis</i> Kanehira & Hatus. – Palau-Inseln  | (B)    |    |
| 14243               |  |        |    |
| 14244               | <i>Fagraea berteriana</i> var. <i>galilai</i> (Gilg & Benedict) Fosberg & Sachet – Palau-Inseln: Korrör, 10–100 m  | m      | ST |
| 14245               | <i>Jossinia reinwardtiana</i> (Blume) Blume  | m      |    |
| 14246               |  |        |    |
| 14247               | <i>Psychotria leptothyrsa</i> var. <i>longicarpa</i> Valetton – Palau-Inseln. Syn-type   | (B)    | ST |
| 14248, 14249, 14250 |  |        |    |
| 14251               | <i>Calophyllum soulattri</i> Burm. f. – Palau-Inseln: Korrör, 10–100 m. Fragment designated lectotype of <i>Calophyllum cholobtaches</i> Lauterb. by P. Stevens in J. Arnold Arbor. 61: 278 (1980)       | (WRSL) | T  |
| 14252, 14253        |  |        |    |
| 14254               | <i>Buchanania palawensis</i> Lauterb. – Palau-Inseln: Korrör, 10–100 m. Isotype, here designated lectotype as it is probably the only remaining isotype and has young and mature fruit, buds and flowers | (B)    | T  |
| 14255               |  |        |    |
| 14256               | <i>Rhysopteris timoriensis</i> (DC.) Blume – Palau-Inseln: Korrör  | (B)    |    |
| 14257               | <i>Lepiniopsis trilocularis</i> Markgraf – Palau-Inseln: Korrör  | m      | T  |
| 14257a              | <i>Callicarpa elegans</i> Hayek – Palau-Inseln: Korrör   | (B)    |    |
| 14258               |  |        |    |
| 14259               | <i>Barringtonia racemosa</i> Blume   | m      |    |
| 14260               | <i>Dimeria ornithopoda</i> var. <i>tenera</i> (Trin.) Hackel – Palau-Inseln  | (B)    |    |
| 14261               | <i>Tristellateia australasiae</i> A. Rich. – Palau-Inseln: Narogobesang (Ngarakabesan)   | (B)    |    |
| 14262               | <i>Mucuna gigantea</i> (Willd.) DC. – Palau-Inseln   | (B)    |    |
| 14263               | <i>Celtis</i> spec. [ <i>Celtis paniculata</i> auct. Micr. non (Endl.) Planchon] – Palau-Inseln  | (B)    |    |
| 14264               |  |        |    |
| 14265               | <i>Ficus sagittata</i> Vahl – Palau-Inseln: Korrör, auf Fels Eilands, 50–100 m   | (B)    |    |
| 14266, 14267        |  |        |    |
| 14268               | <i>Phaleria nisidai</i> Kanehira – Palau-Inseln  | (B)    |    |
| 14269               |  |        |    |
| 14270               | <i>Lophopyxis maingayi</i> Hook. f. – Palau-Inseln   | (B)    |    |
| 14271               | <i>Rauwolfia insularis</i> Markgraf  | m      | ST |
| 14272               | <i>Entada phaseoloides</i> Merr. – Palau-Inseln  | (K)    |    |

|   |  |                     |    |
|---|--|---------------------|----|
| 14273   | <i>Schizostachyum lima</i> (Blanco) Merr. – Palau-Inseln   | (B)                 |    |
| 14274, 14275, 14276                                     |  |                     |    |
| 14277   | <i>Dendrobium kraemeri</i> Schlechter – Palau-Inseln: Korrör, 50–100 m. Syntype, B sheet here designated as lectotype, as it is much fuller and more complete than K sheet                                     | (B, K, photo in US) | ST |
| 14278   | <i>Piper ponapense</i> C. DC. – Palau-Inseln. Syntype  | (B)                 | ST |
| 14279   | <i>Hedyotis divaricata</i> (Valeton) Hosokawa – Palau-Inseln: Nargulusang, 50–100 m. Isotype of <i>Oldenlandia divaricata</i> Valeton, here designated lectotype, as it is probably the only surviving isotype | (B)                 | T  |
| 14280   | <i>Lindernia crustacea</i> (L.) F. Mueller   | m                   |    |
| 14281   |  |                     |    |
| 14282   | <i>Portulaca australis</i> Endl. – Palau-Inseln  | (B)                 |    |
| 14283   | <i>Vandopsis raymundii</i> Schlechter  | m                   | ST |
| 14284   | <i>Sorghum halapense</i> f. <i>muticum</i> C. E. Hubb. – Palau-Inseln  | (B)                 |    |
| 14285   | <i>Elaeocarpus joga</i> Merr. var. (undescribed) – Palau-Inseln: Babeldaob, Ngarsul, 50–300 m  | (B)                 |    |
| 14286   | <i>Colona scabra</i> (Sm.) Burret – Palau-Inseln   | (B)                 |    |
| 14287, 14288, 14289, 14290, 14291, 14292, 14293, 14294  |  |                     |    |
| 14295   | <i>Cyperus ferax</i> var. <i>novae-hannoverae</i> (Boeckeler) Kük.   | m                   |    |
| 14296   | <i>Donax cannaeformis</i> (Forster f.) Schum. – Palau-Inseln   | (B)                 |    |
| 14297   |  |                     |    |
| 14298   | <i>Cyrtococcum oxyphyllum</i> (Hochst. ex Steudel) Stapf – Palau-Inseln  | (B)                 |    |
| 14298a  | <i>Phaleria nisidai</i> Kanehira – Palau-Inseln  | (B, US)             |    |
| 14299   | <i>Lophopyxis maingayi</i> Hook. f. – Palau-Inseln   | (B)                 |    |
| 14300, 14301, 14302, 14303, 14304, 14305, 145306, 14307 |  |                     |    |
| 14308   | <i>Aglaiia palauensis</i> Kanehira – Palau-Inseln  | (B)                 |    |
| 14309   | <i>Camposperma brevipetiolata</i> Volkens  | m                   |    |
| 14310   | <i>Aidia cochinchinensis</i> Lour. – Palau-Inseln  | (B)                 |    |
| 14311   | <i>Psychotria leptothyrsa</i> var. <i>longicarpa</i> Valeton   | m                   | ST |
| 14311a  |  |                     |    |
| 14312   | <i>Hetaeria raymundii</i> Schlechter – Palau-Inseln, Babeldaob, bei Ngarsul, 50–100 m. Syntypes, B sheet here designated lectotype as it is a much fuller and more adequate specimen than the K one            | (B, K, photo in US) | ST |
| 14313   | <i>Zeuxine fritzii</i> Schlechter – Palau-Inseln: Babeldaob, Ngarsul, 200–300 m  | m                   | ST |
| 14314   | <i>Diospyros ferrea</i> var. <i>palauensis</i> (Kanehira) Fosberg – Palau-Inseln   | (B)                 |    |
| 14315, 14316, 14317                                     |  |                     |    |
| 14318   | <i>Tabernaemontana aurantiaca</i> Gaudich.   | m                   |    |
| 14319   | <i>Couthovia calophylla</i> Gilg & Benedict  | m                   | ST |
| 14320, 14321  |  |                     |    |
| 14322   | <i>Taeniophyllum petrophilum</i> Schlechter – Palau-Inseln: Babeldaob, Ngarsul, 10–20 m  | m                   | ST |
| 14323   |  |                     |    |
| 14324   | <i>Andruris elegans</i> Giesen – Palau-Inseln. This specimen is here designated as lectotype since the holotype in B was probably destroyed  | (B)                 | T  |



|                      |   |  |    |
|----------------------|---|--|----|
| 14325                | <i>Cleistanthus carolinensis</i> Jabl. – Palau-Inseln   | (B)                                    |    |
| 14326, 14327         |   |  |    |
| 14328                | <i>Eulophia emarginata</i> Blume  | m                                      |    |
| 14329                | <i>Dendrobium kerstingianum</i> Schlechter – Palau-Inseln: Babeldaob, Ngarsul, 200–300 m  | m                                      | T  |
| 14330                | <i>Canarium palawense</i> Lauterb.  | m                                      | T  |
| 14331                | <i>Gmelina palawensis</i> Lam – Palau-Inseln: Babeldaob, Ngarsul, 200–300 m. Syntype, here designated lectotype, as it is most likely the only surviving syntype that belongs to the genus <i>Gmelina</i> | (B)                                    | ST |
| 14332                | <i>Taeniophyllum palawense</i> Schlechter   | m                                      | ST |
| 14333, 14334         |   |  |    |
| 14335                | <i>Medinilla blumeana</i> Mansf. – Palau-Inseln: Babeldaob, Ngarsul, 200–300 m  | m                                      | T  |
| 14336                | <i>Rhaphidophora engleri</i> Kanehira – Palau-Inseln: Babeldaob, Ngarsul. Holotype of <i>Rhaphidophora palauensis</i> Engl. & Krause, nom. illeg.   | (B)                                    | T  |
| 14337                |   |  |    |
| 14338                | <i>Eulophia emarginata</i> Blume – Palau-Inseln: Babeldaob, Ngarsul, 200–300 m  | m                                      |    |
| 14339                | <i>Discocalyx macrophylla</i> Mez   | m                                      | T  |
| 14339a, 14340, 14341 |   |  |    |
| 14342                | <i>Timonius mollis</i> Valetton – Palau-Inseln: Babeldaob, Ngarsul, 200–400 m   | m                                      | T  |
| 14343, 14344, 14345  |   |  |    |
| 14346                | <i>Acanthus ilicifolius</i> var. <i>ebracteatus</i> (Vahl) Williams – Palau-Inseln  | (B, K)                                 |    |
| 14347                | <i>Psychotria leptothyrsa</i> var. <i>longicarpa</i> Valetton – Palau-Inseln: Babeldaob, 200–300 m  | m                                      | ST |
| 14348                | <i>Echinochloa crus-galli</i> var. <i>hispidula</i> (Retz.) Keng – Palau-Inseln   | (B, K)                                 |    |
| 14349                | <i>Corymbis ledermannii</i> Schlechter – Palau-Inseln: Babeldaob, Ngarsul, sea level  | m                                      | ST |
| 14350                |   |  |    |
| 14351                | <i>Rhyssopteris timoriensis</i> (DC.) Blume – Palau-Inseln: Babeldaob   | (B)                                    |    |
| 14352                | <i>Hedyotis vestita</i> var. <i>lutescens</i> (Kanehira) Fosberg (ined.) – Palau-Inseln, [Babeldaob], Ngarsul [Ngarsul]   | (B)                                    |    |
| 14353, 14354         |   |  |    |
| 14355                | <i>Uncaria korrorensis</i> Kanehira – Palau-Inseln  | (B)                                    |    |
| 14356                | <i>Pachygone ledermannii</i> Diels – Palau-Inseln. Indicated by Diels as “Original der Art”. Holotype (Palau-Inseln: Babeldaob, Ngarmid, 200–300 m)   | (B, photo of destroyed original in US) | T  |
| 14357                | <i>Psychotria leptothyrsa</i> var. <i>longicarpa</i> Valetton – Palau-Inseln: Babeldaob, 50–300 m. Syntypes   | (B, US)                                | ST |
| 14358                | <i>Callicarpa elegans</i> Hayek – Palau-Inseln: Babeldaob   | (B)                                    |    |
| 14359                | <i>Psychotria leptothyrsa</i> var. <i>longicarpa</i> Valetton – Palau-Inseln: Babeldaob, 50–300 m. Syntypes   | (B, US)                                | ST |
| 14360                | <i>Psychotria mycetoides</i> Valetton – Palau-Inseln: Babeldaob, Ngarsul, 200–300 m   | m                                      | ST |
| 14361                | <i>Dendrobium brachyanthum</i> Schlechter   | m                                      | ST |
| 14362, 14363, 14364  |   |  |    |

|  |  |         |    |
|--|--|---------|----|
| 14365                                    | <i>Barringtonia racemosa</i> Blume   | m       |    |
| 14366                                    | <i>Couthovia calophylla</i> Gilg & Benedict  | m       | ST |
| 14367, 14368, 14369, 14370               |  |         |    |
| 14371                                    | <i>Fimbristylis dichotoma</i> f. <i>tomentosa</i> (Vahl) Kük. – Palau-Inseln: Babeldaob  | (B)     |    |
| 14372                                    | <i>Spondias mangifera</i> Willd.   | m       |    |
| 14373                                    |  |         |    |
| 14373a                                   | <i>Bikkia palauensis</i> Valetton – Palau-Inseln. Isotype, here designated lectotype as it probably is the only remaining original sheet         | (B)     | T  |
| 14374                                    |  |         |    |
| 14375                                    | <i>Trema virgata</i> var. <i>scabra</i> Blume – Palau-Inseln   | (B, US) |    |
| 14376                                    | <i>Cyperus stuppeus</i> Forster f.   | m       |    |
| 14377, 14378, 14379                      |  |         |    |
| 14380                                    | <i>Inocarpus fagifer</i> (Parkinson) Fosberg – Palau-Inseln  | (B, K)  |    |
| 14381                                    | <i>Bambusa atra</i> Lindley – Palau-Inseln   | (B)     |    |
| 14382                                    | <i>Mucuna gigantea</i> (Willd.) DC. – Palau-Inseln   | (B)     |    |
| 14383, 14384                             |  |         |    |
| 14385                                    | <i>Adenosma javanica</i> (Blume) Koord. – Palau-Inseln   | (B)     |    |
| 14386                                    |  |         |    |
| 14387                                    | <i>Colubrina asiatica</i> (L.) Brongn. – Palau-Inseln: Babeldaob, Ngarsul  | (B)     |    |
| 14388                                    | <i>Psilotrichum ferrugineum</i> (Roxb.) Moq. – Palau-Inseln  | (B)     |    |
| 14389                                    | <i>Ilysanthes veronicaefolia</i> (Retz.) Urban   | m       |    |
| 14390, 14391                             |  |         |    |
| 14392                                    | <i>Samadera indica</i> Gaertner – Palau-Inseln: Babeldaob, Ngarsul, 5–10 m   | (B)     |    |
| 14393, 14394, 14395, 14396, 14397, 14398 |  |         |    |
| 14399                                    | <i>Thoracostachyum hypolytroides</i> C. B. Clarke  | m       |    |
| 14400, 14401, 14402                      |  |         |    |
| 14403                                    | <i>Piper ponapense</i> C. DC. – Palau-Inseln. Syntype  | (B)     | ST |
| 14404                                    | <i>Euodia nitida</i> Lauterb. – Palau-Inseln: Babeldaob, Ngarsul. Syntype  | (B)     | ST |
| 14405                                    |  |         |    |
| 14406                                    | <i>Ficus tinctoria</i> var. <i>neo-ebudorum</i> (Summerh.) Fosberg – Palau-Inseln: Babeldaob, Ngarsul, 20–300 m                                  | (B)     |    |
| 14407                                    | <i>Polyscias grandifolia</i> Volkens – Palau-Inseln  | (K)     |    |
| 14408                                    |  |         |    |
| 14409                                    | <i>Eugenia</i> (or <i>Syzygium</i> ) spec. (cf. <i>aquea</i> ?) – Palau-Inseln: Babeldaob, Ngarsul, 200–300 m                                    | (B, K)  |    |
| 14410                                    | <i>Bridelia palauensis</i> Kanehira & Hatus. – Palau-Inseln: Babeldaob, Ngarsul. Cited as part of type material of <i>Gmelina palawensis</i> Lam | (B, US) |    |
| 14411                                    | <i>Semecarpus venenosa</i> Volkens – Palau-Inseln: Babeldaob, 200–300 m  | m       |    |
| 14412                                    | <i>Centosteca lappacea</i> (L.) Desv. – Palau-Inseln   | (B)     |    |
| 14413, 14414                             |  |         |    |
| 14415                                    | <i>Aporusa inaequalis</i> Pax & K. Hoffm.  | m       |    |

|                                   |   |            |    |
|-----------------------------------|---|------------|----|
| 14416                             | <i>Microstylis palawensis</i> Schlechter – Palau-Inseln: Babeldaob, Ngarsul, 200–300 m  | m          | T  |
| 14417                             | <i>Decaspermum parviflorum</i> (Lam.) A. J. Scott – Palau-Inseln  | (B, K)     |    |
| 14418                             | <i>Plectronia verticellata</i> Valetton – Palau-Inseln: Babeldaob, Ngarsul  | m          |    |
| 14419                             | <i>Clitandropsis insularis</i> Markgraf – Palau-Inseln: Babeldaob, Ngarsul, 200–300 m. Isotypes, B specimen is designated lectotype of <i>Clitandropsis insularis</i> Markgraf, as it and the K sheets are probably the only surviving isotypes, except for fragments at Kyushu University, Japan | (B, FU, K) | T  |
| 14420                             | <i>Gmelina palawensis</i> Lam or <i>Bridelia palauensis</i> Kanehira & Hatus. cited as <i>Gmelina palawensis</i> Lam, from Palau-Inseln, Ngarsul, 200–300 m, but not found, probably lost. The two species were confused in the original publication of <i>Gmelina palawensis</i>                 | m          |    |
| 14421                             | <i>Eulophia emarginata</i> Blume – Palau-Inseln: Babeldaob, Ngarsul, 200–300 m  | m          |    |
| 14421a                            | <i>Scleria scrobiculata</i> Nees & Mey ex Nees  | m          |    |
| 14422                             | <i>Pterocarpus indicus</i> Willd. – Palau-Inseln  | (B)        |    |
| 14423                             | <i>Zeuxine fritzii</i> Schlechter – Palau-Inseln: Babeldaob, Ngarsul, 200–300 m   | m          | ST |
| 14424                             | <i>Alphitonia excelsa</i> Reisseck & Endl.  | m          |    |
| 14425                             | <i>Dendrobium kraemeri</i> Schlechter – Palau-Inseln: Babeldaob, Ngarsul, 200–300 m   | m          | ST |
| 14426                             | <i>Torenia polygonoides</i> Benth.  | m          |    |
| 14427, 14428, 14429, 14430, 14431 |   |            |    |
| 14432                             | <i>Microstylis setipes</i> Schlechter   | m          | ST |
| 14433                             | <i>Decaspermum raymundii</i> Diels – Palau-Inseln: Babeldaob, Ngatkip, 100 m. Paratype, here selected as lectotype, as <i>Raymundus</i> 348, indicated as “Original der Art” by Diels and called holotype by Scott in Kew Bull. 34: 62 (1979) was probably destroyed in the bombing               | (K)        | PT |
| 14434, 14435                      |   |            |    |
| 14436                             | <i>Decaspermum raymundii</i> Diels – Palau-Inseln: Babeldaob, Ngarsul, 200–300 m. Paratype  | (B, K)     | PT |
| 14437, 14438                      |   |            |    |
| 14439                             | <i>Buchanania engleriana</i> Volkens – Palau-Inseln: Korror, 10–100 m   | m          |    |
| 14440                             | <i>Moerenhoutia laxa</i> Schlechter – Palau-Inseln: Babeldaob, Ngarsul, 200–300 m   | m          | ST |
| 14441                             | <i>Pseuderanthemum inclusum</i> Hosokawa – Palau-Inseln   | (B)        |    |
| 14442                             |   |            |    |
| 14443                             | <i>Micromelum minutum</i> Seemann – Palau-Inseln  | (B)        |    |
| 14443a                            |   |            |    |
| 14443b                            | <i>Vrydagzynia micronesiaca</i> Schlechter – Palau-Inseln: Babeldaob  | m          | ST |
| 14444, 14445, 14446               |   |            |    |
| 14447                             | <i>Schoenus calostachyus</i> (R. Br.) Poiret ex Kük. – Palau-Inseln: Babeldaob  | (B)        |    |
| 14448                             |   |            |    |
| 14448a                            | <i>Dendrobium flavicolle</i> Schlechter   | m          | ST |
| 14449, 14450, 14451, 14452, 14453 |   |            |    |

|                            |  |                     |    |
|----------------------------|--|---------------------|----|
| 14453a                     | <i>Andruris elegans</i> Giesen – Palau-Inseln: Babeldaob. Paratype   | (B)                 | PT |
| 14453b                     | <i>Gymnosiphon papuanum</i> Becc.  | m                   |    |
| 14454, 14455, 14456        |  |                     |    |
| 14457                      | <i>Euodia palawensis</i> Lauterb. – Palau-Inseln: Babeldaob, Ngatkip, 100 m. Syntype   | (B)                 | ST |
| 14458                      | <i>Vernonia aromatica</i> DC. – Palau-Inseln   | (B, K)              |    |
| 14459                      | <i>Scleria purpurascens</i> Steudel – Palau-Inseln   | (B)                 |    |
| 14460                      | <i>Celtis</i> spec. (no. 2) – Palau-Inseln   | (B)                 |    |
| 14461                      |  |                     |    |
| 14462                      | <i>Panicum ambiguum</i> Trin. – Palau-Inseln   | (B)                 |    |
| 14463                      | <i>Bulbophyllum volkensisii</i> Schlechter – Palau-Inseln: Babeldaob   | (B, K, photo in US) |    |
| 14464, 14465, 14466, 14467 |  |                     |    |
| 14468                      | <i>Agrostophyllum palawense</i> Schlechter – Palau-Inseln: Babeldaob, Ngatkip, 50 m  | m                   | T  |
| 14469                      |  |                     |    |
| 14469a                     | <i>Cynometra ramiflora</i> L. – Palau-Inseln   | (B)                 |    |
| 14470                      | <i>Cyperus haspan</i> L. – Palau-Inseln: Babeldaob   | (B)                 |    |
| 14471, 14472               |  |                     |    |
| 14473                      | <i>Polygala chinensis</i> L. – Palau-Inseln  | (B)                 |    |
| 14474                      | <i>Oberonia rotunda</i> Hosokawa – Palau-Inseln: Babeldaob, bei Ngatkip  | (B, K, photo in US) |    |
| 14475                      | <i>Oberonia palawensis</i> Schlechter – Palau-Inseln: Babeldaob, Ngatkip, 50 m   | m                   | T  |
| 14476                      | <i>Fagraea berteriana</i> var. <i>galilai</i> (Gilg & Benedict) Fosberg & Sachet – Palau-Inseln: Babeldaob, Ngatkip, 100 m. Syntype, designated as lectotype by Fosberg in Smithsonian Contr. Bot. 45: 20 (1980) | (B)                 | ST |
| 14477, 14478               |  |                     |    |
| 14479                      | <i>Saccharum officinarum</i> L. – Palau-Inseln   | (B)                 |    |
| 14480                      | <i>Ammannia baccifera</i> L. – Palau-Inseln  | (B)                 |    |
| 14481, 14482               |  |                     |    |
| 14483                      | <i>Machaerina mariscoides</i> (Gaudich.) Kern – Palau-Inseln: Babeldaob, Ngatkip, 100 m  | (B, K)              |    |
| 14484                      | <i>Trema orientalis</i> var. <i>amboinensis</i> (Willd.) Lauterb. – Palau-Inseln   | (B)                 |    |
| 14485                      | <i>Mitrasacme nudicaulis</i> Reinw. ex Blume   | m                   |    |
| 14486                      | <i>Burmannia ledermannii</i> Jonker – Palau-Inseln: Babeldaob, Ngatkip, 50–100 m. "Typus", fide Jonker in Meded. Bot. Mus. Herb. Rijks Univ. Utrecht 51: 126 (1937)  | m (photo in US)     | T  |
| 14487                      |  |                     |    |
| 14488                      | <i>Hedyotis vestita</i> var. <i>lutescens</i> (Kanehira) Fosberg (ined.) – Palau-Inseln: Babeldaob, Ngatkip, 40–100 m  | (B)                 |    |
| 14489                      | <i>Calophyllum pelewense</i> Stevens – Palau-Inseln: Babeldaob, Ngatkip, 100 m. Paratypes  | (B, K)              | PT |
| 14490                      | <i>Microstylis kerstingiana</i> Schlechter – Palau-Inseln: Babeldaob, Ngatkip, 100 m   | m                   | T  |
| 14490b                     | <i>Andruris elegans</i> Giesen – Palau-Inseln: Babeldaob   | m                   | PT |
| 14491                      | <i>Manilkara udoido</i> Kanehira – Palau-Inseln  | (B)                 |    |



|                     |  |                   |    |
|---------------------|--|-------------------|----|
| 14492               | <i>Scleria novae-hollandiae</i> Boeckeler – Palau-Inseln: Babeldaob, Ngatkip   | (B)               |    |
| 14492a              | <i>Taeniophyllum palawense</i> Schlechter – Palau-Inseln: Babeldaob, Ngarsul. Syntype, here designated lectotype, as it is probably the only surviving syntype   | (B)               | ST |
| 14493               |  |                   |    |
| 14494               | <i>Premna angustiflora</i> Lam   | m                 | T  |
| 14495               |  |                   |    |
| 14496               | <i>Haloragis acanthocarpa</i> var. <i>palauensis</i> (Tuyama) Meijden & Caspers – Palau-Inseln   | (B)               |    |
| 14497               | <i>Schoenus calostachyus</i> (R. Br.) Poiret ex Kük.   | (B)               |    |
| 14498               | <i>Eriachne palleescens</i> R. Br. – Palau-Inseln  | (B)               |    |
| 14499               |  |                   |    |
| 14499a              | <i>Isachne confusa</i> Ohwi var. <i>confusa</i> – Palau-Inseln   | (B, 4 sheets, US) |    |
| 14500               |  |                   |    |
| 14501               | <i>Dimeria ciliata</i> var. <i>heteromorpha</i> Reeder – Palau-Inseln  | (B)               |    |
| 14502               | <i>Rauwolfia insularis</i> Markgraf  | m                 | ST |
| 14503               | <i>Hedyotis tomentosa</i> (Valeton) Hosokawa – Palau-Inseln: Babeldaob, Ngatkip, 50–100 m. Syntype of <i>Oldenlandia tomentosa</i> Valeton   | (B)               | ST |
| 14504, 14505, 14506 |  |                   |    |
| 14507               | <i>Glochidion websteri</i> Fosberg – Palau-Inseln. Holotype  | (B)               | T  |
| 14508               |  |                   |    |
| 14509               | <i>Sarcanthus</i> spec. nov. Schlechter – Palau-Inseln: Babeldaob, Ngatkip, 100 m  | m                 |    |
| 14510               |  |                   |    |
| 14511               | <i>Anacolosa glochidiiformis</i> Kanehira & Hatus. – Palau-Inseln  | (B)               |    |
| 14512               |  |                   |    |
| 14513               | <i>Moerenhoutia laxa</i> Schlechter – Palau-Inseln: Ngatkip, 400 m   | m                 | ST |
| 14514               | <i>Mallotus palauensis</i> Hosokawa – Palau-Inseln   | (B)               |    |
| 14515               |  |                   |    |
| 14516               | Indet., substerile – Palau-Inseln  | (B)               |    |
| 14517, 14518, 14519 |  |                   |    |
| 14520               | <i>Pseuderia micronesiaca</i> Schlechter – Palau-Inseln: Babeldaob bei Ngatkip, 100 m. Syntypes, the B sheet here designated lectotype as it has most intact flowers   | (B, K, US)        | ST |
| 14521, 14522        |  |                   |    |
| 14523               | <i>Cyrtandra palawensis</i> Schlechter   | m                 | T  |
| 14524               | <i>Colona scabra</i> (Sm.) Burret – Palau-Inseln   | (B)               |    |
| 14525, 14526        |  |                   |    |
| 14527               | <i>Urandra elliptica</i> Schellenb. – Palau-Inseln: Babeldaob, bei Ngatkip, 100 m  | m                 | ST |
| 14528               | <i>Stemonurus ammui</i> (Kanehira) Sleumer – Palau-Inseln: Babeldaob, bei Ngatkip. Syntype of <i>Urandra elliptica</i> Schellenb. non Merr., here designated lectotype, as it is probably the only remaining syntype | (B)               | ST |
| 14529               | <i>Myrsine palauensis</i> (Mez) Fosberg & Sachet – Palau-Inseln: Babeldaob, Ngatkip, 100 m. Isotype of <i>Rapanea palauensis</i> Mez,  | (B)               | T  |

here designated lectotype as it is a good fruiting specimen and probably the only surviving isotype

|   |   |                     |    |
|---|---|---------------------|----|
| 14530   | <i>Chionanthus sessiliflora</i> (Hemsley) Fosberg (ined.) – Palau-Inseln: Babeldaob, Ngatkip  | (B)                 |    |
| 14531   |   |                     |    |
| 14532   | <i>Astronidium palauense</i> (Kanehira) Markgraf – Palau-Inseln   | (B)                 |    |
| 14533   | <i>Decaspermum raymundii</i> Diels – Palau-Inseln. Paratype   | (B, K)              | PT |
| 14534   | <i>Malaxis setipes</i> (Schlechter) Schweinf. – Palau-Inseln: Babeldaob bei Ngatkip, 100 m. Syntype of <i>Microstylis setipes</i> Schlechter, B sheet here designated lectotype as it is a somewhat fuller sheet and has much more complete locality data | (B, K, photo in US) |    |
| 14535, 14536, 14537, 14538                      |   |                     |    |
| 14539   | <i>Nervilia palawensis</i> Schlechter – Palau-Inseln: Babeldaob, Ngatkip, 100 m   | m                   | T  |
| 14539a  | <i>Gymnosiphon papuanum</i> Becc. – Palau-Inseln: Babeldaob, Ngatkip, 100 m   | m                   |    |
| 14540, 14541, 14542, 14543, 14544, 14545, 14546 |   |                     |    |
| 14547   | <i>Ficus microcarpa</i> var. <i>latifolia</i> (Miq.) Corner – Palau-Inseln: Babeldaob, 200–300 m  | (B)                 |    |
| 14548   |   |                     |    |
| 14549   | <i>Bulbophyllum gibbonianum</i> Schlechter – Palau-Inseln: Babeldaob, bei Ngatkip. Isotypes, the B sheet is here designated lectotype, as it is a fuller more adequate specimen   | (B, K, photo in US) | T  |
| 14550   | <i>Dendrobium brachyanthum</i> Schlechter – Palau-Inseln: Babeldaob, Ngatkip, 100 m   | m                   |    |
| 14551, 14552, 14553                             |   |                     |    |
| 14554   | <i>Euodia trichantha</i> Lauterb. – Palau-Inseln: Babeldaob, 100 m  | m                   | T  |
| 14555   | <i>Linociera sessiliflora</i> Hamsley   | m                   |    |
| 14556   |   |                     |    |
| 14557   | <i>Morinda pedunculata</i> Valetton   | m                   | ST |
| 14558   |   |                     |    |
| 14559   | <i>Thoracostachyum luebanense</i> (Elmer) Kük.  | (B)                 |    |
| 14560   |   |                     |    |
| 14561   | <i>Appendicula reflexa</i> Blume – Palau-Inseln: Babeldaob, Ngatkip, 100 m  | m                   |    |
| 14562   | <i>Loeseneriella macrantha</i> var. <i>palauica</i> (Loes.) Fosberg – Palau-Inseln: Babeldaob. Isotype of <i>Hippocratea macrantha</i> var. <i>palauica</i> Loesener here designated lectotype as the holotype was probably destroyed.                    | (B)                 | T  |
| 14563   | <i>Dioscorea ledermannii</i> Knuth – Palau-Inseln: [Babeldaob] Ngatkip. Holotype. Indicated as type by Knuth in Engl., Pflanzenr. 87: 188 (1924) and in B   | (B)                 | T  |
| 14564   | <i>Psychotria leptothyrsa</i> var. <i>longicarpa</i> Valetton – Palau-Inseln: Babeldaob, 2–300 m  | m                   | ST |
| 14565   | <i>Micromelum minutum</i> Seemann (cited as 15565) – Palau-Inseln: Babeldaob  | m                   |    |
| 14566   |   |                     |    |

|              |   |     |    |
|--------------|---|-----|----|
| 14567        | <i>Morinda pedunculata</i> Valetton – Palau-Inseln: Babeldaob, Ngatkip. Syntype, here designated lectotype, as it is probably the only surviving syntype  | (B) | ST |
| 14568        | <i>Aglossorhyncha micronesiaca</i> Schlechter – Palau-Inseln: Babeldaob, 100 m  | m   | T  |
| 14569        | <i>Scleria multifoliata</i> Boeckeler   | m   |    |
| 14570        |   |     |    |
| 14570a       | <i>Andruris elegans</i> Giesen. Syntype   | (B) | ST |
| 14571        | <i>Microstylis volkensis</i> Schlechter – Palau-Inseln: Babeldaob, Ngatkip, 100 m   | m   | T  |
| 14572        | <i>Didymoplexis fimbriata</i> Schlechter – Palau-Inseln: Babeldaob, Ngatkip, 100 m  | m   | T  |
| 14573, 14574 |   |     |    |
| 14574a       | <i>Vrydagzynea micronesiaca</i> Schlechter – Palau-Inseln: Babeldaob  | m   | ST |
| 14575        |   |     |    |
| 14576        | <i>Diplocaulobium elongatocolle</i> (Schlechter) Hawkes – Palau-Inseln: Babeldaob bei Ngatkip, 100 m. Syntype of <i>Dendroium elongatocolle</i> Schlechter here designated lectotype as it is probably the only surviving syntype | (B) | ST |
| s.n.         | <i>Acriopsis javanica</i> Reinw. ex Bl.   | m   |    |
| s.n.         | <i>Bulbophyllum micronesiacum</i> Schlechter – Palau-Inseln: Babeldaob, Ngatkip, 100 m  | m   |    |

#### 4. Missing Ledermann types (by F. R. Fosberg & R. L. Oliver)

##### Types

|        |   |       |   |
|--------|---|-------|---|
| 13140  | <i>Premna integrifolia</i> subsp. <i>dentatolabum</i> Lam       | 14335 | <i>Medinilla blumeana</i> Mansf.              |
| 13144  | <i>Dendrobium ponapense</i> Schlechter                          | 14339 | <i>Discocalyx macrophylla</i> Mez             |
| 13178  | <i>Discocalyx ponapensis</i> Mez                                | 14342 | <i>Timonius mollis</i> Valetton               |
| 13267  | <i>Amaracarpus carolinensis</i> var. <i>squarrosus</i> Valetton | 14416 | <i>Microstylis palawensis</i> Schlechter      |
| 13438  | <i>Jambosa stelechantha</i> Diels                               | 14468 | <i>Agrostophyllum palawensis</i> Schlechter   |
| 13462a | <i>Amaracarpus heteropoides</i> Valetton                        | 14475 | <i>Oberonia palawensis</i> Schlechter         |
| 13537  | <i>Oldenlandia uncinelloides</i> Valetton                       | 14486 | <i>Burmannia ledermannii</i> Jonker           |
| 13547  | <i>Thrixspermum arachnitiforme</i> Schlechter                   | 14490 | <i>Microstylis kerstingianus</i> Schlechter   |
| 13860  | <i>Habenaria carolinensis</i> Schlechter                        | 14494 | <i>Premna angustiflora</i> Lam                |
| 14104  | <i>Limnophila fragrans</i> var. <i>brevia</i> Schlechter        | 14523 | <i>Cyrtandra palawensis</i> Schlechter        |
| 14149  | <i>Gulubiopsis palauensis</i> Becc.                             | 14539 | <i>Nervilia palauensis</i> Schlechter         |
| 14236  | <i>Morinda latibracteata</i> Valetton                           | 14554 | <i>Euodia trichantha</i> Hemsley              |
| 14257  | <i>Lepiniopsis trilocularis</i> Markgraf                        | 14568 | <i>Aglossorhyncha micronesiaca</i> Schlechter |
| 14329  | <i>Dendrobium kerstingianum</i> Schlechter                      | 14571 | <i>Microstylis volkensis</i> Schlechter       |
| 14330  | <i>Canarium palawensis</i> Lauterb.                             | 14572 | <i>Didymoplexis fimbriata</i> Schlechter      |

## Syntypes

- 13145 *Dendrobium ponapense* Schlechter  
 13146 *Dendrobium amesianum* Schlechter  
 13179 *Amaracarpus macrophyllus* Valetton  
 13248 *Amaracarpus macrophylla* Valetton  
 13262 *Hoya schneeii* Schlechter  
 13294 *Discocalyx ponapensis* Mez  
 13297 *Maesa carolinensis* Mez  
 13300a *Hoya schneeii* Schlechter  
 13301 *Claoxylon carolinianum* Pax & Hoffman  
 13304 *Amaracarpus macrophyllus* Valetton  
 13305 *Plectronia korrorensis* Valetton  
 13324 *Jambosa stelechantha* Diels  
 13348a *Discocalyx ponapensis* Mez  
 13350 *Fagraea sair* Gilg & Benedict  
 13353 *Dendrobium carolinense* Schlechter  
 13355 *Plectronia obovata* Valetton  
 13356 *Bulbophyllum micronesiacum* Schlechter  
 13359 *Mediocalcar ponapense* Schlechter  
 13361a *Dendrobium brachyanthum* Schlechter  
 13364 *Discocalyx ponapensis* Mez  
 13372 *Geniostoma stenurum* Gilg & Benedict  
 13378 *Dendrobium amesianum* Schlechter  
 13384a *Hoya schneeii* Schlechter  
 13384b *Hoya schneeii* Schlechter  
 13388 *Melicope ponapensis* Lauterb.  
 13396 *Phreatia carolinensis* Schlechter  
 13397 *Ponapea ledermanniana* Becc.  
 13405 *Dendrobium violaceo-miniatum* Schlechter  
 13406 *Dendrobium flavicolle* Schlechter  
 13415 *Dendrobium violaceo-miniatum* Schlechter  
 13429 *Elaeocarpus kerstingianus* Schlechter  
 13432 *Geniostoma stenurum* Gilg & Benedict  
 13447 *Bulbophyllum ponapense* Schlechter  
 13448a *Dendrobium flavicolle* Schlechter  
 13459b *Dendrobium violaceo-miniatum* Schlechter  
 13460 *Dendrobium amesianum* Schlechter  
 13466 *Dendrobium carolinense* Schlechter  
 13473 *Jambosa stelechantha* Diels  
 13477 *Embelia palauensis* Mez  
 13483 *Amaracarpus macrophyllus* Valetton  
 13485 *Elaeocarpus gibbonii* Schlechter  
 13517 *Bulbophyllum ponapense* Schlechter  
 13526 *Syzygium carolinense* (Koidz.) Hosokawa  
 13534 *Dendrobium carolinense* Schlechter  
 13539 *Syzygium carolinense* (Koidz.) Hosokawa  
 13544 *Geniostoma stenurum* Gilg & Benedict  
 13545 *Melicope ponapensis* Lauterb.  
 13550 *Dendrobium brachyanthum* Schlechter  
 13561 *Fimbristylis annua* var. *pseudoferruginea* Kük.  
 13589 *Fimbristylis annua* var. *pseudoferruginea* Kük.  
 13692 *Vrydagzynia micronesiaca* Schlechter  
 13710a *Hoya schneeii* Schlechter  
 13712 *Mediocalcar ponapense* Schlechter  
 13726 *Phreatia ponapensis* Schlechter  
 13727 *Phreatia ponapensis* Schlechter  
 13750 *Bulbophyllum micronesiacum* Schlechter  
 13752 *Amaracarpus hirtellus* Valetton  
 13762 *Moerenboutia leucantha* Schlechter  
 13814 *Plectronia polyneura* Valetton  
 13832 *Claoxylon carolinianum* Pax & K. Hoffm.  
 13834a *Bulbophyllum micronesiacum* Schlechter  
 13840b *Vrydagzynia micronesiaca* Schlechter  
 13841 *Bulbophyllum micronesiacum* Schlechter  
 13845a *Pseuderia micronesiaca* Schlechter  
 13927a *Dendrobium carolinense* Schlechter  
 13994 *Taeniophyllum petrophilum* Schlechter  
 14043 *Spathoglottis micronesiaca* Schlechter  
 14047 *Morinda pedunculata* Valetton  
 14053 *Dendrobium elongaticolle* Schlechter  
 14054 *Dendrobium kraemeri* Schlechter  
 14056 *Bulbophyllum volkensii* Schlechter  
 14071 *Euodia palauensis* Lauterb.  
 14085 *Gymnosporia palauica* Loes.  
 14098 *Badusa palauensis* Valetton  
 14103 *Microstylis calcarea* Schlechter  
 14103 *Badusa palauensis* Valetton  
 14126 *Callicarpa cana* var. *longifolia* Lam  
 14151 *Corymbis ledermannii* Schlechter  
 14152 *Psychotria mycetoides* Valetton  
 14156 *Dendrobium elongaticolle* Schlechter  
 14231 *Calophyllum cholobtaches* Lauterb.  
 14232 *Embelia palauensis* Mez  
 14244 *Fagraea galilai* Gilg & Benedict  
 14271 *Rauwolfia insularis* Markgraf  
 14283 *Vandopsis raymundii* Schlechter  
 14311 *Psychotria leptothyrsa* var. *longicarpa* Valetton  
 14313 *Zeuxine fritzii* Schlechter  
 14319 *Couthovia calophylla* Gilg & Benedict  
 14322 *Taeniophyllum petrophilum* Schlechter



- |   |   |
|---|---|
| 14332 <i>Taeniophyllum palawense</i> Schlechter                       | 14440 <i>Moerenhoutia laxa</i> Schlechter                             |
| 14347 <i>Psychotria leptothyrsa</i> var. <i>longicarpa</i><br>Valeton | 14443b <i>Vrydagzynia micronesiaca</i> Schlechter                     |
| 14349 <i>Corymbis ledermanniana</i> Schlechter                        | 14448a <i>Dendrobium flavicolle</i> Schlechter                        |
| 14360 <i>Psychotria mycetoides</i> Valeton                            | 14502 <i>Rauwolfia insularis</i> Markgraf                             |
| 14361 <i>Dendrobium brachyanthum</i> Schlechter                       | 14513 <i>Moerenhoutia laxa</i> Schlechter                             |
| 14366 <i>Couthovia calophylla</i> Gilg & Benedict                     | 14527 <i>Urandra elliptica</i> Schellenb.                             |
| 14423 <i>Zeuxine fritzii</i> Schlechter                               | 14557 <i>Morinda pedunculata</i> Valeton                              |
| 14425 <i>Dendrobium kraemeri</i> Schlechter                           | 14564 <i>Psychotria leptothyrsa</i> var. <i>longicarpa</i><br>Valeton |
| 14432 <i>Microstylis setipes</i> Schlechter                           | 14574a <i>Vrydagzynia micronesiaca</i> Schlechter                     |

#### 5. Ledermann specimens listed by family (by F. R. Fosberg & R. L. Oliver)

##### *Acanthaceae*

- Acanthus ilicifolius* var. *ebracteatus* (Vahl) Williams 14346  
*Blechnum brownei* f. *puberulum* Leonard 13969  
*Hemigraphis palauana* Hosokawa 14124  
*H. reptans* (Forster f.) T. Anderson 14081  
*Pseuderanthemum inclusum* Hosokawa 14441

##### *Amaranthaceae*

- Achyranthes aspera* var. *pubescens* (Moq.) Townsend 13999  
*Alternanthera paronychioides* var. *betzickiana* (Regel) Fosberg 13918  
*Amaranthus viridis* L. 13890, 14114  
*Psilotrichum ferrugineum* (Roxb.) Moq. 14117, 14388

##### *Anacardiaceae*

- Buchanania engleriana* Volkens 14439  
*B. palawensis* Lauterb. 14254  
*Camposperma brevipetiolata* Volkens 13611, 14309  
*Mangifera minor* Blume 13597  
*Rhus simarubaefolia* A. Gray 13672  
*Rh. succedanea* var. *japonica* Engler 13871  
*Rh. taitensis* Guillemin 13622, 13659  
*Semecarpus venenosa* Volkens 14137, 14147, 14411  
*Spondias dulcis* Forster f. [Parkinson] 13965  
*Sp. mangifera* Willd. 14139, 14372

##### *Apocynaceae*

- Alyxia palauensis* Markgraf 14080  
*Cerbera manghas* L. 13455, 14028  
*Clitandropsis insularis* Markgraf 14419  
*Ervatamia coronaria* (Jacq.) Stapf 13914a  
*Lepiniopsis trilocularis* Markgraf 14257  
*Neisosperma oppositifolia* (Lam.) Fosberg & Sachet 13933  
*Rauwolfia insularis* Markgraf 14271, 14502  
*Tabernaemontana aurantiaca* Gaudich. 14318

***Aquifoliaceae****Ilex volkensiana* (Loes.) Kanehira & Hatus. 13701***Araceae****Rhaphidophora engleri* Kanehira 14336***Araliaceae****Meryta senffiana* Volkens 13816*Polyscias grandifolia* Volkens 14407***Areceaceae****Bentinckiaopsis carolinensis* Becc. 14025*B. ponapensis* Becc. 13201, 13623*Gulubiaopsis palauensis* Becc. 14149*Ponapea ledermanniana* Becc. 13397***Asclepiadaceae****Asclepias curassavica* L. 13480, 14180*Hoya schneei* Schlechter 13262, 13300a, 13384a, b, 13710a***Asteraceae****Ageratum conyzoides* L. 13870*Elephantopus mollis* Kunth 13943*Spilanthes iabadicensis* A. H. Moore 13998*Synedrella nodiflora* (L.) Gaertner 13878*Vernonia aromatica* DC. 14458*V. chinensis* Less. 13894*V. cinerea* Less. 13875*Wollastonia biflora* (L.) DC. 13922, 14179***Barringtoniaceae****Barringtonia racemosa* Blume 13246, 13769, 13944, 14259, 14365***Boraginaceae****Cordia subcordata* Lam. 13973*Tournefortia argentea* L. f. 13972***Brassicaceae****Brassica integrifolia* var. *timoreana* (DC.) Schultz 13979***Burmanniaceae****Burmannia ledermannii* Jonker 14486*Gymnosiphon papuanum* Becc. 14453b, 14539a***Burseraceae****Canarium palawense* Lauterb. 14330

**Capparidaceae***Capparis carolinensis* Kanehira 14157*Cleome viscosa* L. 13881*Crateva speciosa* Volken 14214**Casuarinaceae***Casuarina equisetifolia* L. 14052**Celastraceae***Gymnosporia palauica* Loes. 14085*Loeseneriella macrantha* var. *palauica* (Loes.) Fosberg 14562*Salacia chinensis* L. 14031*S. forsteniana* Miquel 14096**Chrysobalanaceae***Atuna racemosa* Raf. 14004*Maranthes corymbosa* Blume 14193**Combretaceae***Lumnitzera littorea* (Jack) Voigt 13991a*Terminalia carolinensis* Kanehira 13722, 13954, 13997, 14001b**Commelinaceae***Rhopalephora vitiensis* (Seemann) Faden 13709**Connaraceae***Connarus semidecandrus* var. *gaudichaudii* (DC.) Fosberg 14034, 14195**Convolvulaceae***Ipomoea aquatica* Forsskål 13856*I. littoralis* Blume 14212*I. macrantha* Roemer & Schultes 13970*Merremia peltata* (L.) Merr. 13233**Cucurbitaceae***Lagenaria siceraria* (Mol.) Standley 13953*Zehneria mucronata* (Blume) Miq. 13706a**Cyperaceae***Cyperus compressus* L. 13872*C. cyperoides* subsp. *cyperinus* (Vahl) Kük. 13512*C. ferax* var. *novae-hannoverae* (Boeckeler) Kük. 14295*C. haspan* L. 14165, 14470*C. javanicus* Houtt.? (too young) 13921*C. hyllingia* Endl. 14123, 14223*C. polystachyos* Rottb. 13866*C. stuppeus* Forster f. 14376

- Eleocharis ochrostachys* Steudel 13657  
*E. variegata* var. *laxiflora* (Thwaites) C. B. Clarke 13647  
*Fimbristylis annua* var. *pseudoferruginea* Kük. 13561, 13589  
*F. annua* f. *tomentosa* (Vahl) Kük. 13371  
*F. dichotoma* subsp. *longispica* (Steudel) Koyama 14174  
*F. dichotoma* subsp. *podocarpa* (Nees & Mart.) Koyama 13655  
*F. dichotoma* f. *tomentosa* (Vahl) Kük. 14371  
*F. globulosa* (Retz.) Kunth 13613a  
*F. glomerata* f. *spathacea* (Roth) Kük. 13680  
*F. littoralis* Gaudich. 13514, 13961  
*F. miliacea* (Thunb.) Vahl 13513, 13901, 13926  
*Fuirena umbellata* Rottb. 13142, 13656  
*Hypolytrum dissitiflorum* Steudel 13234, 13568, 13648, 13693, 13833, 13844  
*H. dissitiflorum* var. *oligostachyum* (Schum. & Lauterb.) Kük. 13648  
*Kyllinga brevifolia* Rottb. 14006  
*K. monocephala* Rottb. 13423  
*Machaerina mariscoides* (Gaudich.) Kern 14050, 14483  
*Rhynchospora corymbosa* (L.) Britt. 13637, 14173  
*Schoenus calostachyus* (R. Br.) Poiret ex Kük. 14447, 14497  
*Scleria bancana* Miq. 14175  
*Sc. caricina* (R. Br.) Benth. 13554, 14191  
*Sc. multifoliata* Boeckeler 14569  
*Sc. novae-bollandiae* Boeckeler 13619a, 13658, 14492  
*Sc. purpurascens* Steudel 14459  
*Sc. scrobiculata* Nees & Mey ex Nees 13604, 14421a  
*Thoracostachyum hypolytroides* C. B. Clarke 14399  
*Th. hypolytroides* var. *immensum* Kük. 13521, 13572  
*Th. lucbanense* (Elmer) Kük. 14559

#### **Dioscoreaceae**

- Dioscorea ledermannii* Knuth 14563  
*D. nummularia* Lam. 13446

#### **Ebenaceae**

- Diospyros ferrea* var. *palauensis* (Kaneh.) Fosberg 14314

#### **Elaeocarpaceae**

- Elaeocarpus carolinensis* Kanehira 13288  
*E. gibbonii* Schlechter 13485  
*E. joga* Merr. 13515a  
*E. joga* var. (undescribed) 14285  
*E. kerstingianus* Schlechter 13290, 13429, 13788, 13810  
*E. kusanoi* Koidzumi 13669

#### **Euphorbiaceae**

- Acalypha amentacea* var. *palauensis* Fosberg 14072  
*A. ponapensis* Kanehira & Hatus.? 13181  
*Antidesma kusaiense* Kanehira 13608



- Aporusa inaequalis* Pax & K. Hoffm. 14415  
*Breynia disticha* Forster 14005  
*Bridelia palauensis* Kanehira & Hatus. 14242, 14410  
*Claoxylon carolinianum* Pax & K. Hoffm. 13301, 13794, 13832, 13968  
*Cleistanthus carolinensis* Jabl. 14040a, 14325  
*Croton ripense* Kanehira & Hatus. 13987  
*Euphorbia gaudichaudii* Boiss. 14109, 14181  
*E. hirta* L. 13900, 14172  
*Glochidion* spec. 14040  
*G. cleistanthoides* Fosberg 13599a  
*G. excorticans* var. *calvum* Fosberg 13333, 13443, 13552, 13643  
*G. excorticans* Fosberg var. *excorticans* 13643x, 13753, 13754, 13809, 13815, 13834  
*G. ponapense* Hosokawa 13636  
*G. puberulum* Hosokawa 13581, 13763  
*G. websteri* Fosberg 14507  
*Homalanthus fastuosus* (Linden) Fernandez Villar 13797  
*H. nutans* (Forster f.) Guillemain 13231  
*Macaranga carolinensis* Volkens 13170, 14044  
*Mallotus palauensis* Hosokawa 14514  
*Manihot esculenta* Crantz 13859  
*Phyllanthus amarus* Schum. 13878a, 14113  
*Ph. palauensis* Hosokawa 14036  
*Ph. urinaria* L. sensu lato 13603

#### **Fabaceae**

- Abrus precatorius* L. 14018  
*Acacia farnesiana* (L.) Willd. 13883  
*Alysicarpus bupleurifolius* (L.) DC. 14192  
*Cassia occidentalis* L. 13903  
*Crotalaria pallida* Aiton 13952  
*Cynometra ramiflora* L. 13482, 14469a  
*Dalbergia candanensis* (Dennst.) Prain. 13941  
*Derris trifoliata* Lour. 14100  
*Desmodium heterocarpon* var. *strigosum* v. Meeuwen 13616, 14186  
*D. umbellatum* (L.) DC. 13971, 14086  
*Entada phaseoloides* Merr. 14272  
*Flemingia strobilifera* (L.) R. Br. 14092  
*Indigofera suffruticosa* Miller 14177  
*Inocarpus fagifer* (Parkinson) Fosberg 13946, 13993, 14380  
*Leucaena leucocephala* (Lam.) de Wit 13928  
*Mimosa pudica* var. *tetrandra* (Humb. & Bonpl. ex Willd.) DC. 13958  
*Mucuna gigantea* (Willd.) DC. 14262, 14382  
*Pterocarpus indicus* Willd. 14422  
*Serianthes kanehirae* Fosberg 14218  
*Tephrosia villosa* (L.) Pers. 13886, 14206  
*Vigna marina* (Burman) Merr. 13945

#### **Flacourtiaceae**

- Flacourtia rukam* var. *micronesica* Fosberg & Sachet 13618, 14068, 14068a, 14095

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