

ADDITIONAL NOTES ON THE « MENISPERMACEAE »

I

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RESUMEN

Notas adicionales sobre Menispermaceae. I. — En este trabajo el autor cita ejemplares de *Menispermaceae*, que no había estudiado anteriormente, haciendo algunas consideraciones referentes a ellos. Agrega la distribución geográfica de las especies en distintos países sud y centroamericanos y una lista de la sinonimia y describe una nueva especie: *Anomospermum bolivianum* Krukoff et Moldenke.

On November 22, 1938, Mr. B. A. Krukoff and I published in *Brittonia*, volume 3, pages 1 to 74, a paper entitled *Studies of American « Menispermaceae », with special reference to species used in preparation of arrow-poisons*. On page 338 of the same volume (October 5, 1939) we published a supplementary note entitled *A new name for Cocculus toxiciferus Wedd.*

The present paper will bring together some additional notes on this group of plants notes which either were not available at the time the afore-mentioned articles went to press or else could not be included because of the editorial policies of the journal involved. There is, for instance, in the original paper in several instances a discrepancy between the number of specimens said to have been examined of several of the species and the number of such specimens actually cited. Furthermore, several specimens were cited from the Britton herbarium when they actually are in the Columbia or Meisner herbaria instead. A rather large number of additional specimens have

also been received by me since these articles went to press and these are hereinafter cited, and a newly discovered species is described here for the first time.

The six abbreviations herein employed to represent the names of the herbaria in which the additional specimens are to be found are as follows: C = Columbia University herbarium, New York Botanical Garden; K = Royal Botanic Gardens, Kew; M = Meisner herbarium, New York Botanical Garden; Mu = Botanisches Museum, Munich; N = Britton herbarium, New York Botanical Garden, New York City; and P = Muséum National d'Histoire Naturelle, Paris.

Abuta barbata Miers

Additional citations: SURINAM: Boschwezen 6506 (N-fragment). FRENCH GUIANA: Sagot 919 (N-fragment and photo of isotype).

Abuta Candollei Triana et Planch.

The Krukoff collections cited below are without doubt conspecific with the Buchtien collections cited in *Brittonia* 3: 70 (1938) from the same region, but our remarks concerning these Buchtien specimens still hold inasmuch as staminate flowers are still unknown from the Bolivian plants. It is therefore necessary to continue to regard the identification of the Bolivian material as tentative.

Additional citations: SURINAM: Boschwezen 6747 (N-fragment); Pulle 337 (N-fragment). FRENCH GUIANA: J. Martin s. n. (N-fragment and photo of cotype of *A. oblonga* Miers). BOLIVIA: La Paz: ? Krukoff 10652 (N), ? 10802 (N), ? 10927 (N), ? 11083 (N).

Abuta grandifolia (Mart.) Sandw.

The G. Gardner 3567 cited in *Brittonia* 3: 61 (1938) as from the Britton herbarium is actually from the Meisner herbarium, and the H. H. Rusby 1980 and Burchell 852^a cited on the same page as from the Britton herbarium are actually in the Columbia University herbarium.

Additional citations: VENEZUELA: Bolívar: Ll. Williams 11437 (N). SURINAM: Samuels s. n. [15 July, 1906] (N). BRAZIL: Amazonas: Krukoff 4720 (N); Martius s. n. (N-photo of type); Pará: Ducke 275 (N); Mattogrosso: Riedel 866 (M). BOLIVIA: La Paz: Krukoff 10633 (N). 10954 (N).

Abuta Grisebachii Triana et Planch.

Additional citations: BRAZIL: Amazonas: Ducke 415 (N); ? Krukoff 8030 (N).

Abuta imene (Mart.) Eichl.

Additional citations: BRAZIL: Amazonas: Martius 3051 (N-photo of type of *Cocculus amazonum* Mart.), s. n. (N-photo of type); Spruce s. n. [in vicinibus Barra] (N-photo of isotype of *A. rigida* Miers).

Abuta Klugii Moldenke ex Macbr.

Macbr., *Field Mus. Publ. Bot.* 13,2: 699, without Latin diag. (Oct. 1938); *Brittonia* 3: 64. Nov. 1938.

The British Guiana collection cited below is probably best placed here. The plant is described by its collector as a medium-sized bush-rope, the flowers and inflorescences yellowish-green. Mr. Krukoff thinks that it is *A. imene*, but dissection shows that the six stamens are all plainly connate only at the very base (almost separate), which excludes that species and indicates *A. Klugii* instead.

Additional citations: BRITISH GUIANA: British Guiana Forestry Dept. 2610 [field no. D. 569] (K, K). PERÚ: Loreto: Klug 1415 (N-fragment and photo of type).

Abuta macrocarpa Moldenke

Additional citations: BRITISH GUIANA: British Guiana Forestry Dept. 2446 (N-photo of type).

Abuta racemosa (Thunb.) Triana et Planch.

Additional citations: COLOMBIA: Tolima: Triana s. n. [Cundai] (N-photo), s. n. [Mariquita] (N-fragment).

Abuta spicata (Thunb.) Triana et Planch.

Additional citations: COLOMBIA: Chocó: Seemann s. n. (N-fragment and photo of type of *A. Seemanni* Triana et Planch.).

Abuta trinervis (Rusby) Moldenke

Additional citations: BOLIVIA: La Paz: Buchtien 1935 (N-isotype).

Anomospermum bolivianum Krukoff et Moldenke, sp. nov.

Frutex scandens; ramis dense breviterque pubescentibus vel puberulis; petiolis leviter puberulis vel glabris; foliis subcoriaceis utrinque pernitidis ellipticis vel late ellipticis acuminatis integris, ad basim acutis vel obtusis vel subtruncatis, utrinque glaberrimis.

Large woody vine, to 110 feet long; branches slender, terete, solid, densely short-pubescent or puberulent with ochraceous or brownish hairs, the younger ones very densely white-lenticellate with slightly elevated elongated corky lenticels; leaves alternate; petioles slender, 2,4-7 cm long, finely and obscurely puberulent or glabrous, incrassate and often genuiflexuous at the apex; blades subcoriaceous, very shiny on both surfaces, elliptic or broadly elliptic, occasionally varying to subovate, 9-20 cm long, 4,5-14 cm wide, acuminate at the apex, entire, varying from acute to obtuse or subtruncate at the base, glabrous on both surfaces, distinctly pinnately 3-5-nerved; midrib, primaries, and secondaries prominulous above, prominent beneath; primaries (excluding the midrib) 4, 2 issuing from the very base of the blade and 2 issuing slightly above the base, arcuate-ascending; vein and veinlet reticulation very abundant, distinctly and beautifully prominulous on both surfaces; inflorescence supra-axillary and terminal, forming elongate

leafy panicles at the ends of the branches; peduncles, rachis, and pedicels densely puberulent with spreading brownish hairs; staminate flowers: sepals 6, the 3 outermost elliptic, navicular, thickened and fleshy, 1,5-2,5 mm long, 0,7-2,5 mm wide, blunt at apex, glabrous inside, densely villous-tomentose outside, the 3 inner ones similar in all respects, but oblong-elliptic or elliptic and 1-2 mm long; petals 6, broadly obovate or flabelliform, about 1,2 mm long and 1 mm wide, glabrous, the margins strongly involute and enveloping the individual stamens; stamens 6, slightly surpassing the petals, free and separate to the base; anthers longitudinally dehiscent; pistillate flowers and fruit not seen.

The type of this distinctive species was collected by Boris Alexander Krukoff (n° 10773) at Tuirí, near Mapiri, on the left bank of the Río Mapiri, at an altitude of between 490 and 750 m, Prov. Larecaja, La Paz, Bolivia, between September 12 and 30, 1939, and is deposited in the Britton herbarium at the New York Botanical Garden. The species is related to *A. chloranthum* Diels, which, however, differs very pronouncedly in its more conspicuously axillary, elongate, and racemiform inflorescences, glabrous branches, petioles, peduncles, rachis, and pedicels, much larger glabrous flowers, and small leaves with much finer reticulation.

Citations: BOLIVIA: La Paz: Krukoff 10639 (N), 10773 (N-type), 10801 (N).

Anomospermum chloranthum Diels

Additional citations: BRAZIL: Amazonas: Krukoff 9118 (N).

Anomospermum Dielsianum Moldenke

Additional citations: BRAZIL: Amazonas: Krukoff 9045 (N-isotype).

Anomospermum japurense (Mart.) Eichl.

Additional citations: BRAZIL: Amazonas: Martius s. n. (N-fragment and photo of type).

Anomospermum nitidum Miers

Additional citation: BRAZIL: Río de Janeiro: Miers 4254 (N-fragment and photo of isotype).

Anomospermum reticulatum (Mart.) Eichl.

Additional citations: BRAZIL: Amazonas: Martius 3027 (N-fragment and photo of cotype).

Anomospermum Schomburgkii Miers

The Hostmann 1298 cited in *Brittonia* 3: 35 (1933) as from the Britton herbarium is actually in the Torrey herbarium and the Blanchet 642 cited on the same page as from the Britton herbarium (by implication) is actually in the Meisner herbarium.

Additional citations: BRITISH GUIANA: Rob. Schomburgk 891 (C). BRAZIL: Amazonas: Spruce 2563 (N-isotype of *A. lucidum* Miers). BOLIVIA: La Paz: Krukoff 10923 (N).

Chondodendron candicans (L. C. Rich.) Sandw.

Additional citations: BRITISH GUIANA: British Guiana Forestry Dept. 2689 (N); Sandwith 561 (N). SURINAM: Pulle 408 (N-photo of type of *Abuta? Pullei* Diels).

Chondodendron iquitatum Diels

Additional citations: ECUADOR: Napo-Pastaza: Gill 6 (N), 12 (N), 35 (N). PERÚ: Loreto: Tessmann 4196 (N-fragment and photo of type).

Chondodendron limaciifolium (Diels) Moldenke

Additional citations: BRAZIL: Amazonas: Krukoff ? 7823 (N), 7824 (N), 7828 (N); Pará: Siqueira 8266 (N-fragment of type).

Chondodendron microphyllum (Eichl.) Moldenke

Additional citations: BRAZIL: Bahia: Blanchet 3178^a (N-fragment and photo of type), s. n. [1851] (N-fragment et photo of type of *Detandra latifolia* Miers).

Chondodendron platiphyllum (A. St. Hil.) Miers

The Martius 510 cited in *Brittonia* 3: 13 (1938) as from the Britton herbarium is actually in the Meisner herbarium.

Additional citations: BRAZIL: Río de Janeiro: Gaudichaud 1071 (N-fragment).

Chondodendron tomentocarpum (Rusby) Moldenke

Additional citations: BOLIVIA: La Paz: Krukoff 10799 (N); R. S. Williams 562 (N, N), 616 (N-isotype).

Chondodendron tomentosum Ruiz et Pav.

Additional citations: COLOMBIA: Boyacá: Lawrance 687 (N-fragment). ECUADOR: Napo-Pastaza: Gill 20 (N). PERÚ: San Martín: Spruce 4474 (N-photo of isotype of *C. cretosum* Miers and *Botryopsis Spruceana* Eichl.); Ll. Williams 6276 (N-fragment).

Chondodendron toxicoferum (Wedd.) Krukoff et Moldenke

See the supplementary note on this species in *Brittonia* 3: 338 (1939). It was discussed in our original paper under the name *C. polyanthum* (Diels) Diels. The Castelnau specimen at the Field Museum, Chicago, cited in *Brittonia* 3: 23 (1938), is actually an isotype.

Additional citations: BRAZIL: Amazonas: Ule 5631 (N-fragment of type of *C. polyanthum*). PERÚ: Loreto: Castelnau s. n. (N-photo of type, P-type).

Elissarrhena grandifolia (Eichl.) Diels

Additional citations: BRAZIL: Amazonas: Krukoff 8605 (N, N).

Sciadotenia amazonica Eichl.

Additional citations: BRAZIL: Amazonas: Martius s. n. (N-photo of type).

Sciadotenia cayennensis Benth.

Additional citations: BRITISH GUIANA: A. C. Smith 3581 (N). FRENCH GUIANA: Poiteau s. n. (N-fragment): Sagot 23 (N-photo of cotype).

Sciadotenia Duckei Moldenke

Additional citations: BRAZIL: Amazonas: Ducke 409 (N-isotype).

Sciadotenia paraënsis (Eichl.) Diels

Additional citations: BRAZIL: Pará: Burchell 9993 (N-fragment).

Sciadotenia pubistaminea (K. Schum.) Diels

Additional citations: BRAZIL: Minas Geraes: 14473 (N-fragment and photo of type).

Sciadotenia Sagotiana (Eichl.) Diels

Additional citations: FRENCH GUIANA: Sagot 19 (N-fragment of isotype).

Sciadotenia similis Moldenke ex Macbr.

Macbr., *Field Mus. Publ. Bot.* 13: 2: 688, without Latin diag. (Oct. 1938); *Brittonia* 3: 33. Nov. 1938.

As the editors of the Gray Herbarium's Card Index to new species and varieties of American plants have pointed out, the

names *Sciadotenia similis* and *Abuta Klugii* were first effectively published by Macbride in his splendid work on the flora of Peru, where he accredited them properly but failed to include a Latin diagnosis. In spite of this first effective publication of these names, the first valid publication under the present edition of the very changeable International Rules of Botanical Nomenclature is in our *Brittonia* paper.

Sciadotenia Sprucei Diels

Additional citations: BRAZIL: Amazonas: Spruce 2209 (N-photo of isotype); Traill 14 (N-fragment).

Sciadotenia toxifera Krukoff et A. C. Sm.

Krukoff et A. C. Sm., *Bull. Torrey Club* 66: 308. 1939.

For description of this recently discovered species, see the reference cited above.

Citations: ECUADOR: Napo-Pastaza: Gill 11 (N-type), 36 (N).

Telitoxicum Duckei (Diels) Moldenke

Additional citations: BRAZIL: Pará: Ducke 9012 (N-fragment of type).

Telitoxicum Glaziovii Moldenke

Additional citations: Cultivated: BRAZIL: Río de Janeiro: Glaziou 10072 (N-fragment et photo of type).

Telitoxicum inopinatum Moldenke

Additional citations: BRITISH GUIANA: Hohenkirk 55 (N-fragment and photo of type), 714 (N-fragment).

Telitoxicum minutiflorum (Diels) Moldenke

Additional citations: BRAZIL: Amazonas: Krukoff 8840 (N).

Telitoxicum peruvianum Moldenke

Additional citations: PERÚ: Loreto: Klug 2129 (N-fragment and photo of type).

Ungulipetalum filipendulum (Mart.) Moldenke

Moldenke, *Phytologia* 1: 280. 1938.

For the original description of this genus and for additional notes on various species of *Cissampelos*, *Disciphania* and *Hiperbaena*, see *Phytologia* 1: 274-283 (1938).

Additional citations: BRAZIL: Río de Janeiro: Wied-Neuwied s. n. (Mu-type, N-photo of type). Cultivated: BRAZIL: Río de Janeiro: Glaziou 13520, in part [σ^7 ; São Christovão] (N-fragment).

THE GEOGRAPHIC DISTRIBUTION OF CERTAIN SPECIES OF MENISPERMACEAE AS RECORDED IN MY PUBLICATIONS TO DATE:

PANAMÁ: *Chondodendron tomentosum* [Canal Zone].

COLOMBIA: *Abuta colombiana* [Chocó]. *Abuta grandifolia* [Putumayo and Caquetá]. *Abuta racemosa* [Tolima]. *Abuta spicata* [Chocó]. *Chondodendron tomentosum* [Boyacá]. *Sciadotenia similis* [Leticia].

VENEZUELA: *Abuta grandifolia* [Bolívar]. *Abuta imene* [Amazonas]. *Abuta velutina* [Amazonas].

BRITISH GUIANA: *Abuta barbata*. *Abuta bullata*. *Abuta grandifolia*. *Abuta Klugii*. *Abuta macrocarpa*. *Abuta obovata*. *Anomospermum Schomburgkii*. *Chondodendron candicans*. *Sciadotenia cayennensis*. *Telitoxicum inopinatum*.

SURINAM: *Abuta barbata*. *Abuta Candollei*. *Abuta grandifolia*. *Anomospermum Schomburgkii*. *Chondodendron candicans*. *Sciadotenia cayennensis*.

FRENCH GUIANA: *Abuta barbata*. *Abuta Candollei*. *Abuta grandifolia*. *Abuta rufescens*. *Anomospermum Schomburgkii*. *Sciadotenia cayennensis*. *Sciadotenia Sagotiana*.

ECUADOR: *Chondodendron iquitatum* [Napo-Pastaza]. *Chondodendron tomentosum* [Napo-Pastaza]. *Sciadotenia toxifera* [Napo-Pastaza].

PERÚ: *Abuta grandifolia* [San Martín and Loreto]. *Abuta Klugii* [Loreto]. *Anomospermum chloranthum* [Loreto]. *Anomospermum japurense* [Loreto]. *Anomospermum Schomburgkii* [San Martín and Loreto]. *Chondodendron iquitatum* [Loreto]. *Chondodendron tomentosum* [San Martín, Loreto and Junín]. *Chondodendron toxicoferum* [Loreto]. *Cissampelos fasciculata* [Loreto]. *Disciphania Killipii* [Loreto]. *Elissarrhena grandifolia* [Loreto]. *Sciadotenia ramiflora* [Loreto]. *Telitoxicum minutiflorum* [Loreto]. *Telitoxicum peruvianum* [Loreto].

BRAZIL: *Abuta bullata* [Amazonas]. *Abuta grandifolia* [Amazonas, Pará, Goyaz, Matto-Grosso and Acre Terr.]. *Abuta Grisebachii* [Amazonas]. *Abuta imene* [Amazonas.] *Abuta Klugii* [Amazonas]. *Abuta macrocarpa* [Amazonas]. *Abuta panurensis* [Amazonas]. *Abuta rufescens* [Amazonas, Pará, Minas Geraes and Rio de Janeiro]. *Abuta Selloana* [Minas Geraes, Rio de Janeiro, São Paulo and Paraná]. *Anomospermum chloranthum* [Amazonas and Acre Terr.]. *Anomospermum Dielsianum* [Amazonas]. *Anomospermum japurense* [Amazonas]. *Anomospermum nitidum* [Rio de Janeiro and São Paulo]. *Anomospermum reticulatum* [Amazonas]. *Anomospermum Schomburgkii* [Amazonas, Pará, Bahia and Río de Janeiro]. *Chondodendron limaciiifolium* [Amazonas and Pará]. *Chondodendron microphyllum* [Bahia]. *Chondodendron platiphyllum* [Minas Geraes and Río de Janeiro]. *Chondodendron toxicoferum* [Amazonas]. *Cissampelos fasciculata* [Amazonas]. *Disciphania Killipii* [Amazonas]. *Elissarrhena grandifolia* [Amazonas and Pará]. *Hyperbaena oblongifolia* [Minas Geraes and Río de Janeiro]. *Hyperbaena solimoesana* [Amazonas]. *Sciadotenia amazonica* [Amazonas]. *Sciadotenia brachypoda* [Amazonas]. *Sciadotenia cayennensis* [Pará]. *Sciadotenia Duckei* [Amazonas]. *Sciadotenia Eichleriana* [Amazonas]. *Sciadotenia paraënsis* [Pará]. *Sciadotenia pubistaminea* [Minas Geraes]. *Sciadotenia similis* [Amazonas]. *Sciadotenia solimoesana* [Amazonas]. *Sciadotenia Sprucei* [Amazonas]. *Telitoxicum Duckei* [Pará]. *Telitoxicum Krukovii* [Amazonas]. *Telitoxicum minutiflorum* [Amazonas]. *Ungulipetalum filipendulum* [Río de Janeiro].

BOLIVIA: *Abuta Candollei* [La Paz]. *Abuta grandifolia* [La Paz]. *Abuta trinervis* [La Paz]. *Anomospermum bolivianum* [La Paz]. *Anomospermum Schomburgkii* [La Paz]. *Chondodendron tomentocarpum* [La Paz]. *Chondodendron tomentosum* [La Paz].

PARAGUAY: *Hyperbaena Hassleri*. *Hyperbaena oblongifolia*.

CULTIVATED: *Chondodendron toxiciferum* [Brazil]. *Sciadotenia paraënsis* [Brazil]. *Telitoxicum Glaziovii* [Brazil]. *Ungulipetalum filipendulum* [Brazil].

AN ALPHABETIZED LIST OF SYNONYMS THUS FAR DISPOSED
OF BY ME IN THESE PUBLICATIONS

Abuta acutifolia Miers = *A. panurensis* Eichl.

Abuta boliviana Rusby = *Chondodendron tomentocarpum* (Rusby) Moldenke.

Abuta candicans L. C. Rich. = *Chondodendron candicans* (L. C. Rich.) Sandw.

Abuta concolor Benth., in part = *A. grandifolia* (Mart.) Sandw.

Abuta concolor Benth., in part = *A. panurensis* Eichl.

Abuta concolor Poepp. = *A. grandifolia* (Mart.) Sandw.

Abuta concolor Poepp. et Endl. = *A. grandifolia* (Mart.) Sandw.

Abuta convexa Diels = *A. rufescens* Aubl.

Abuta cuspidata Miers = *A. Grisebachii* Triana et Planch.

Abuta cuspidata var. *ovalifolia* Miers = *A. Grisebachii* Triana et Planch.

Abuta Duckei Diels = *Telitoxicum Duckei* (Diels) Moldenke.

Abuta guyanensis Eichl. = *A. grandifolia* (Mart.) Sandw.

Abuta heterophylla Miers = *A. rufescens* Aubl.

Abuta Imene Miers = *A. imene* (Mart.) Eichl.

Abuta limaciifolia Diels = *Chondodendron limaciifolium* (Diels) Moldenke.

Abuta macrophylla Miers = *A. rufescens* Aubl.

Abuta Melinoniana Sagot = *A. Candollei* Triana et Planch.

Abuta oblonga Miers = *A. Candollei* Triana et Planch.

Abuta oblonga var. *angustifolia* Sagot = *A. Candollei* Triana et Planch.

Abuta oblongifolia (Mart.) Miers = *Hyperbaena oblongifolia* (Mart.) Chod. et Hassler.

Abuta parvifolia Rusby = *Hyperbaena Hassleri* Diels.

Abuta platyphylla Mart. = *Chondodendron platiphyllum* (A. St. Hil.) Miers.

Abuta ? Pullei Diels = *Chondodendron candicans* (L. C. Rich.) Sandw.

Abuta racemosa Aubl. = *A. rufescens* Aubl.

Abuta rigida Miers = *A. imene* (Mart.) Eichl.

Abuta rufescens Benth. = *A. Grisebachii* Triana et Planch.

Abuta rufescens P. DC. = *A. Candollei* Triana et Planch.

Abuta rufescens Eichl. = *A. rufescens* Aubl.

Abuta rufescens Griseb. = *A. Grisebachii* Triana et Planch.

Abuta rufescens Triana et Planch. = *A. barbata* Miers.

Abuta rufescens var. *oblongata* Griseb. = *A. Candollei* Triana et Planch.

Abuta scandens Barrère = *A. rufescens* Aubl.

Abuta Seemanni Triana et Planch. = *A. spicata* (Thunb.) Triana et Planch.

Abuta Selloana (Benth.) Eichl. = *A. Selloana* Eichl.

Abuta spicata Thunb. = *A. spicata* (Thunb.) Triana et Planch.

Abuta tomentosa Sagot = *Sciadotenia Sagotiana* (Eichl.) Diels.

Abuta ? toxicifera Baill. = *Chondodendron toxiciferum* (Wedd.) Krukoff et Moldenke.

Abuta ? umbellata Sagot = *Sciadotenia cayennensis* Benth.

Anelasma concolor Miers = *Abuta grandifolia* (Mart.) Sandw.

Anelasma Gardnerianum Miers = *Abuta grandifolia* (Mart.) Sandw.

Anelasma Guianense Miers = *Abuta grandifolia* (Mart.) Sandw.

Anelasma intaminatum Miers = *Abuta Selloana* Eichl.

Anelasma laurifolium Sagot = *Abuta grandifolia* (Mart.) Sandw.

Anelasma Martinianum Miers = *Abuta grandifolia* (Mart.) Sandw.

Anelasma pallidum Miers = *Abuta grandifolia* (Mart.) Sandw.

Anelasma Selloana Miers = *Abuta Selloana* Eichl.

Anelasma Sellowiana Miers = *Abuta Selloana* Eichl.

- Anelasma Sellowianum* Miers = *Abuta Selloana* Eichl.
Anelasma Spruceanum Miers = *Abuta grandifolia* (Mart.) Sandw.
Anelasma strumosum Miers = *Abuta imene* (Mart.) Eichl.
Anelasma urophyllum Miers = *Abuta grandifolia* (Mart.) Sandw.
Anomospermum grandifolium Eichl. = *Elissarrhena grandifolia* (Eichl.) Diels.
Anomospermum Hostmanni Miers = *A. Schomburgkii* Miers.
Anomospermum lucidum Glaz. = *A. Schomburgkii* Miers.
Anomospermum lucidum Miers = *A. Schomburgkii* Miers.
Anomospermum minutiflorum Diels = *Telitoxicum minutiflorum* (Diels) Moldenke.
Anomospermum oblongatum Miers = *A. Schomburgkii* Miers.
Anomospermum ovatum Miers = *A. Schomburgkii* Miers.
Anomospermum Schomburgkii Benth. = *A. nitidum* Miers.
Anomospermum Schomburgkii var. *lucidum* Diels = *A. Schomburgkii* Miers.
Anomospermum Ulei Diels = *Elissarrhena grandifolia* (Eichl.) Diels.
Batschia conferta Miers = *Abuta spicata* (Thunb.) Triana et Planch.
Batschia conferta Thunb. = *Abuta spicata* (Thunb.) Triana et Planch.
Batschia racemosa Thunb. = *Abuta racemosa* (Thunb.) Triana et Planch.
Batschia spicata Thunb. = *Abuta spicata* (Thunb.) Triana et Planch.
Botryopsis platyphylla Benth. = *Chondodendron tomentosum* Ruiz et Pav.
Botryopsis platyphylla Eichl. = *Chondodendron platiphyllum* (A. St. Hil.) Miers.
Botryopsis platyphylla Miers = *Chondodendron platiphyllum* (A. St. Hil.) Miers.
Botryopsis Spruceana Eichl. = *Chondodendron tomentosum* Ruiz et Pav.
Chaenostomum Gardneri Miers = *Abuta grandifolia* (Mart.) Sandw.

Chondodendron aemulum Miers = *C. platiphyllum* (A. St. Hil.) Miers.

Chondodendron cinerascens Miers = *C. platiphyllum* (A. St. Hil.) Miers.

Chondodendron cretosum Miers = *C. tomentosum* Ruiz et Pav.

Chondodendron filipendulum (Mart.) Diels = *Ungulipetalum filipendulum* (Mart.) Moldenke.

Chondodendron hypoleucum Standl. = *C. tomentosum* Ruiz et Pav.

Chondodendron latifolium Diels = *C. microphyllum* (Eichl.) Moldenke.

Chondodendron nemophilum Miers = *C. platiphyllum* (A. St. Hil.) Miers.

Chondodendron obscurum Miers = *C. platiphyllum* (A. St. Hil.) Miers.

Chondodendron ovatum Miers = *C. platiphyllum* (A. St. Hil.) Miers.

Chondodendron polyanthum (Diels) Diels = *C. toxiciferum* (Wedd.) Krukoff et Moldenke.

Chondodendron scabrum Miers = *C. tomentosum* Ruiz et Pav.

Chondrodendron Miers = *Chondodendron* Ruiz et Pav.

Chondrodendron Ruiz et Pav. = *Chondodendron* Ruiz et Pav.

Chondrospermum Jobert = *Chondodendron* Ruiz et Pav.

Cissampelos Abutua Vell. = *Abuta rufescens* Aubl.

Cissampelos convexa Vell. = *Abuta rufescens* Aubl.

Cissampelos ovata Vell. = *Chondodendron platiphyllum* (A. St. Hil.) Miers.

Cissampelos tomentocarpa Rusby = *Chondodendron tomentocarpum* (Rusby) Moldenke.

Cissampelos tomentosa Vell. = *Abuta rufescens* Aubl.

Cocculus Abuta Kostel. = *Abuta rufescens* Aubl.

Cocculus amazonum Mart. = *Abuta imene* (Mart.) Eichl.

Cocculus Chondodendron P. DC. = *Chondodendron tomentosum* Ruiz et Pav.

Cocculus ? cinerascens A. St. Hil. = *Chondodendron platiphyllum* (A. St. Hil.) Miers.

Cocculus dichroa Mart. = *Chondodendron candicans* (L. C. Rich.) Sandw.

Cocculus Filipendula Mart. = *Ungulipetalum filipendulum* (Mart.) Moldenke.

Cocculus grandifolius Mart. = *Abuta grandifolia* (Mart.) Sandw.

Cocculus grandifolius Perrot et Vogt = *Abuta grandifolia* (Mart.) Sandw.

Cocculus Imene Mart. = *Abuta imene* (Mart.) Eichl.

Cocculus japurensis Mart. = *Anomospermum japurense* (Mart.) Eichl.

Cocculus laevigata Mart. = *Abuta grandifolia* (Mart.) Sandw.

Cocculus ? macrophylla A. St. Hil. et Tul. = *Abuta rufescens* Aubl.

Cocculus Martii A. St. Hil. et Tul. = *Abuta rufescens* Aubl.

Cocculus ovatus Vell. = *Chondodendron platiphyllum* (A. St. Hil.) Miers.

Cocculus Pahnii Mart. = *Abuta rufescens* Aubl.

Cocculus paniculiger Mart. = *Chondodendron platiphyllum* (A. St. Hil.) Miers.

Cocculus paniculigera Mart. = *Chondodendron platiphyllum* (A. St. Hil.) Miers.

Cocculus paniguligera Mart. = *Chondodendron platiphyllum* (A. St. Hil.) Miers.

Cocculus ? platiphylla A. St. Hil. = *Chondodendron platiphyllum* (A. St. Hil.) Miers.

Cocculus platyphylla Mart. = *Chondodendron platiphyllum* (A. St. Hil.) Miers.

Cocculus platyphylla var. *Ildefonsiana* A. St. Hil. et Tul. = *Chondodendron platiphyllum* (A. St. Hil.) Miers.

Cocculus platyphyllus A. St. Hil. = *Chondodendron platiphyllum* (A. St. Hil.) Miers.

Cocculus reticulata Mart. = *Anomospermum reticulatum* (Mart.) Eichl.

Cocculus tomentosa Mart. = *Abuta rufescens* Aubl.

Cocculus toniferus Wedd. = *Chondodendron toxicoferum* (Wedd.) Krukoff et Moldenke.

Cocculus toxicoferus Wedd. = *Chondodendron toxicoferum* (Wedd.) Krukoff et Moldenke.

Cocculus urophylla Mart. = *Abuta grandifolia* (Mart.) Sandw.
Detandra latifolia Miers = *Chondodendron microphyllum*
 (Eichl.) Moldenke.

Detandra ovata Miers = *Chondodendron microphyllum* (Eichl.)
 Moldenke.

Detandra paraënsis K. Schum. = *Sciadotenia paraënsis* (Eichl.)
 Diels.

Detandra pubistaminea K. Schum. = *Sciadotenia pubistaminea*
 (K. Schum.) Diels.

Detandra Sagotiana K. Schum. = *Sciadotenia Sagotiana*
 (Eichl.) Diels.

Elissarrhena longipes Miers = *E. grandifolia* (Eichl.) Diels.

Epibaterium ? tomentosum Pers. = *Chondodendron tomento-*
sum Ruiz et Pav.

Hyperbaena ovalifolia (Mart.) Chod. et Hassler = *H. Hassleri*
 Diels.

Hyperbaena polyantha Diels = *Chondodendron toxicoferum*
 (Wedd.) Krukoff et Moldenke.

Hyperbaena trinervis Rusby = *Abuta trinervis* (Rusby) Mol-
 denke.

Menispermum Abuta Aubl. = *Abuta rufescens* Aubl.

Menispermum Abuta L. = *Abuta rufescens* Aubl.

Menispermum Abuta Lam. = *Abuta rufescens* Aubl.

Odontocarya filipendula (Mart.) Miers = *Ungulipetalum fili-*
pendulum (Mart.) Moldenke.

Scandula cinnamomifolia J. Rich. = *Sciadotenia cayennensis*
 Benth.

Sciadotenia candicans Diels = *Chondodendron candicans* (L.
 C. Rich.) Sandw.

Sciadotenia cayennensis Miers = *S. cayennensis* Benth.

Sciadotenia clathrata Miers = *S. cayennensis* Benth.

Sciadotenia microphylla Diels = *Chondodendron microphyllum*
 (Eichl.) Moldenke.

Sciadotenia leucophylla Miers = *Chondodendron candicans* (L.
 C. Rich.) Sandw.

Sciadotenia nitida Miers = *S. cayennensis* Benth.

Sychnosepalum microphyllum Eichl. = *Chondodendron micro-*
phyllum (Eichl.) Moldenke.

Sychnosepalum paraënsense Eichl. = *Sciadotenia paraënsis* (Eichl.) Diels.

Sychnosepalum Sagotianum Eichl. = *Sciadotenia Sagotiana* (Eichl.) Diels.

Trichoa concolor Endl. = *Abuta grandifolia* (Mart.) Sandw.

Trichoa conferta P. DC. = *Abuta spicata* (Thunb.) Triana et Planch.

Trichoa conferta Pers. = *Abuta spicata* (Thunb.) Triana et Planch.

Trichoa guyanensis Klotzsch = *Abuta grandifolia* (Mart.) Sandw.

Trichoa racemosa Pers. = *Abuta racemosa* (Thunb.) Triana et Planch.

Trichoa spicata Pers. = *Abuta spicata* (Thunb.) Triana et Planch.

AN ALPHABETIZED LIST OF CITATIONS

Abraham 132 (*Telitoxicum inopinatum*), 315 (*Abuta* sp.); Anderson, C. W., 607 (*Abuta barbata*); Anderson s. n. (*Abuta rufescens*); Archer 2014 (*Abuta colombiana*, type coll.).

Blanchet 642 (*Anomospermum Schomburgkii*), 1034 (*Chondodendron microphyllum*), 1536 (*Hyperbaena domingensis*), 1594 (*Chondodendron microphyllum*), 2346 (*Hyperbaena domingensis*), 3178 (*Chondodendron microphyllum*), 3178a (*Chondodendron microphyllum*, type coll.), s. n. [1851] (*Chondodendron microphyllum*; type coll. of *Detandra latifolia*), s. n. (*Chondodendron microphyllum*); Boschezen 3476 (*Sciadotenia cayennensis*), 5467 (*Abuta grandifolia*), 6506 (*Abuta barbata*), 6747 (*Abuta Candollei*); British Guiana Forestry Dept. 2446 (*Abuta macrocarpa*, type coll.), 2610 (*Abuta Klugii*), 2689 (*Chondodendron candidans*), D. 569 (*Abuta Klugii*); Buchtien 619 (*Anomospermum Schomburgkii*), 620 (*Abuta Candollei*), 1676 (*Abuta Candollei*), 1901 (*Abuta Candollei*), 1902 (*Anomospermum Schomburgkii*), 1935 (*Abuta trinervis*, type coll.); Burchell 852a (*Abuta grandifolia*), 891 (*Abuta rufescens*), 1278 (*Chondodendron platiphyllum*), 3599 (*Anomospermum nitidum*), 8615-2 (*Abuta grandifolia*), 9775 (*Sciadotenia cayennensis*; cotype coll. of *S. nitida*), 9784

(*Sciadotenia cayennensis*; cotype coll. of *S. nitida*), 9993 (*Sciadotenia paraënsis*).

Carmichael 1382 (*Abuta rufescens*); Casaretto 1855 (*Abuta rufescens*); Castelnau s. n. (*Chondodendron toxicoferum*, type coll.); Clausen 12 (*Chondodendron platiphyllum*).

Dahlgren and Sella 57 (*Anomospermum Schomburgkii*); De la Cruz 1436 (*Anomospermum Schomburgkii*), 1646 (*Abuta grandifolia*), 1732 (*Anomospermum Schomburgkii*), 2250 (*Abuta obovata*, type coll.), 2267 (*Anomospermum Schomburgkii*), 2285 (*Anomospermum Schomburgkii*), 2360 (*Anomospermum Schomburgkii*), 2681 (*Anomospermum Schomburgkii*), 2682 (*Anomospermum Schomburgkii*), 2835 (*Anomospermum Schomburgkii*), 4549 (*Anomospermum Schomburgkii*); Ducke 275 (*Abuta grandifolia*), 409 (*Sciadotenia Duckei*, type coll.), 415 (*Abuta Grisebachii*), 5358 (*Elissarrhena grandifolia*), 7657 (*Chondodendron toxicoferum*), 7694 (*Sciadotenia brachypoda*), 8056 (*Abuta grandifolia*), 9012 (*Telitoxicum Duckei*, type coll.); Dusén 12.013 (*Abuta Selloana*), 12.058 (*Hyperbaena domingensis*); Duss 3220 (*Hyperbaena domingensis*).

Fiebrig 5946 (*Hyperbaena oblongifolia*), 6403 (*Hyperbaena oblongifolia*); Fox, W., 12b (*Chondodendron toxicoferum*); Froes 2065 (*Abuta grandifolia*).

Gardner G. 3567 (*Abuta grandifolia*, type coll. of *Anelasma Gardnerianum*); Gaudichaud 1071 (*Chondodendron platiphyllum*); Gill 6 (*Chondodendron iquitatum*), 11 (*Sciadotenia toxifera*, type coll.), 12 (*Chondodendron iquitatum*), 20 (*Chondodendron tomentosum*), 35 (*Chondodendron iquitatum*), 36 (*Sciadotenia toxifera*); Glaziou 1520 (*Abuta Selloana*), 2487 (*Chondodendron platiphyllum*), 2898 (*Sciadotenia* sp.), 2918 (*Abuta rufescens*), 3860 (*Abuta rufescens*), 3861 (*Chondodendron platiphyllum*), 7869 (*Abuta rufescens*), 8250 (*Abuta Selloana*), 8563 (*Ungulipetalum filipendulum*), 9348 (*Chondodendron platiphyllum*), 9610 (*Chondodendron toxicoferum*), 10.072 (*Telitoxicum Glaziovii*, type coll.), 11.786 (*Chondodendron platiphyllum*), 13.403 (*Abuta Selloana*), 13.514 (*Sciadotenia paraënsis*), 13.515 (*Anomospermum nitidum*), 13.516 (*Anomospermum Schomburgkii*), 13.517 (*Anomospermum nitidum*), 13.519 (*Abuta Selloana*), 13.520, in part [♂; São Christovao] (*Ungulipetalum filipendulum*), 13.520

in part [♀; São Vicente] (*Ungulipetalum filipendulum*), 14.473 (*Sciadotenia pubistaminea*, type coll.), 18.128 (*Abuta Selloana*); Gleason 358 (*Abuta bullata*, type coll.), 362 (*Abuta obovata*), 727 (*Abuta bullata*), 827 (*Hyperbaena solimoesana*); Goeldi 3934 (*Sciadotenia brachypoda*, type coll.); Guillemain 639 (*Abuta rufescens*, type coll. of *Cocculus* ? *macrophylla*).

Hassler 7299 (*Hyperbaena Hassleri*, type coll.), 12.223 (*Hyperbaena Hassleri*); Herb. De Candolle et L'Heritier s. n. (*Sciadotenia cayennensis*); Herb. Douville 3505 (*Anomospermum Schomburgkii*); Herb. Drake s. n. (*Chondodendron platiphyllum*); Herb. Inst. Biol. S. Paulo 28.429 (*Abuta Selloana*), 28.450 (*Hyperbaena domingensis*); Herb. Lemonnier s. n. (*Abuta rufescens*); Herb. Martius s. n. (*Abuta rufescens*); Herb. Monac. 65 (*Anomospermum reticulatum*, cotype coll.), 68 (*Anomospermum reticulatum*, cotype coll.); Herb. Sieber s. n. (*Anomospermum Schomburgkii*); Herb. Ventenat s. n. (*Abuta rufescens*); Hoehne, F. C., s. n. [Herb. Inst. Biol. S. Paulo 28.429] (*Abuta Selloana*), pl. viv. 137 (*Hyperbaena domingensis*); Hohenkirk 55 (*Telitoxicum inopinatum*, type coll.), 714 (*Telitoxicum inopinatum*), C.28 (*Telitoxicum inopinatum*); Holt et Blake 685 (*Abuta imene*); 690 (*Abuta imene*); Hostmann 1237 (*Abuta grandifolia*), 1298 (*Anomospermum Schomburgkii*; type coll. of *A. Hostamni*); Huber 4414 (*Abuta grandifolia*).

Jenman 2454 (*Anomospermum Schomburgkii*), 5199 (*Chondodendron candicans*); Jörgensen 2061 (*Hyperbaena Hassleri*).

Kappler 2078 (*Abuta Candollei*); Killip et Smith 25.175 (*Chondodendron tomentosum*), 27.041 (*Disciphania Killipii*, type coll.), 28.295 (*Abuta grandifolia*), 28.665 (*Chondodendron toxicoferum*), 28.708 (*Abuta grandifolia*), 28.885 (*Chondodendron tomentosum*), 29.101 (*Abuta grandifolia*), 29.337 (*Chondodendron toxicoferum*); Klug 1299 (*Sciadotenia ramiflora*), 1415 (*Abuta Klugii*, type coll.), 1962 (*Abuta grandifolia*), 2042 (*Chondodendron toxicoferum*), 2129 (*Telitoxicum peruvianum*, type coll.), 2526 (*Abuta grandifolia*), 2757 (*Abuta grandifolia*), 2782 (*Chondodendron toxicoferum*), 3006 (*Abuta grandifolia*), 3739 (*Anomospermum Schomburgkii*), 3756 (*Anomospermum Schomburgkii*), 4044 (*Chondodendron tomentosum*), s. n. [near Chazuta] (*Chondodendron tomentosum*); Krukoff 4673 (*Elissarrhena grandifo-*

lia), 4720 (*Abuta grandifolia*), 4754 (*Chondodendron toxiciferum*), 5096 (*Sciadotenia brachypoda*), 5437 (*Abuta rufescens*), 5786 (*Abuta grandifolia*), 5978 (*Abuta rufescens*) 6766 (*Anomospermum reticulatum*), 6912 (*Telitoxicum Krukovii*, type coll.), 7051 (*Abuta bullata*), 7185 (*Abuta Klugii*), 7274 (*Cissampelos fasciculata*), 7279 (*Hyperbaena solimoesana*), 7535 (*Chondodendron limaciifolium*), 7536 (*Telitoxicum minutiflorum*), 7559 (*Telitoxicum minutiflorum*), 7560 (*Telitoxicum minutiflorum*), 7561 (*Telitoxicum minutiflorum*), 7562 (*Telitoxicum minutiflorum*), 7563 (*Telitoxicum minutiflorum*), 7564 (*Telitoxicum minutiflorum*), 7565 (*Anomospermum* sp.), 7566 (*Telitoxicum minutiflorum*), 7567 (*Anomospermum* sp.), 7568 (*Telitoxicum* sp.), 7569 (*Telitoxicum minutiflorum*), 7570 (*Abuta Grisebachii*), 7571 (*Abuta Grisebachii*), 7572 (*Abuta Grisebachii*), 7573 (*Abuta Grisebachii*), 7574 (*Chondodendron limaciifolium*), 7575 (*Chondodendron limaciifolium*), 7576 (*Chondodendron limaciifolium*), 7577 (*Chondodendron limaciifolium*), 7578 (*Chondodendron limaciifolium*), 7579 (*Chondodendron limaciifolium*), 7582 (*Elissarrhena grandifolia*), 7641 (*Abuta grandifolia*), 7812 (*Abuta grandifolia*), 7822 (*Abuta Grisebachii*), 7823 (*Chondodendron limaciifolium*), 7824 (*Chondodendron limaciifolium*), 7825 (*Chondodendron limaciifolium*), 7826 (*Chondodendron limaciifolium*), 7828 (*Chondodendron limaciifolium*), 7956 (*Telitoxicum minutiflorum*), 7960 (*Abuta Grisebachii*), 7961 (*Abuta macrocarpa*), 7976 (*Abuta Grisebachii*), 7994 (*Abuta macrocarpa*), 7998 (*Abuta grandifolia*), 8020 (*Sciadotenia similis*, type coll.), 8030 (*Abuta Grisebachii*), 8033 (*Telitoxicum minutiflorum*), 8243 (*Sciadotenia solimoesana*), 8249 (*Disciphania Killipii*), 8279 (*Sciadotenia Eichleriana*, type coll.), 8370 (*Chondodendron limaciifolium*), 8376 (*Sciadotenia Eichleriana*), 8385 (*Sciadotenia solimoesana*, type coll.), 8522 (*Chondodendron limaciifolium*), 8549 (*Chondodendron limaciifolium*), 8605 (*Elissarrhena grandifolia*), 8660 (*Abuta Grisebachii*), 8713 (*Chondodendron limaciifolium*), 8840 (*Telitoxicum minutiflorum*), 8924 (*Hyperbaena solimoesana*, type coll.), 9045 (*Anomospermum Dielsianum*, type coll.), 9118 (*Anomospermum chloranthum*), 10.633 (*Abuta grandifolia*), 10.639 (*Anomospermum bolivianum*), 10.652 (*Abuta Candollei*), 10.773 (*Anomospermum bolivianum*, type coll.), 10.799 (*Chondo-*

dendron tomentocarpum), 10.801 (*Anomospermum bolivianum*), 10.802 (*Abuta Candollei*), 10.923 (*Anomospermum Schomburgkii*), 10.927 (*Abuta Candollei*), 10.954 (*Abuta grandifolia*), 11.083 (*Abuta Candollei*).

Langsdorff s. n. (*Abuta rufescens*); Lawrance 687 (*Chondodendron tomentosum*).

Macbride photos 4984 (*Sciadotenia brachypoda*, photo of type), 4985 (*Chondodendron toxicoferum*, photo of type of *Hyperbaena polyantha*), 4986 (*Sciadotenia ramiflora*, photo of type), 4987 (*Sciadotenia Sagotiana*, photo of type), 4990 (*Telitoxicum Duckei*, photo of type), 4991 (*Abuta Grisebachii*, photo of cotype), 4992 (*Abuta imene*, photo of isotype of *A. rigida*), 4993 (*Chondodendron limaciifolium*, photo of type), 4994 (*Abuta panurensis*, photo of type), 4996 (*Anomospermum cloranthum*, photo of type), 4997 (*Anomospermum Schomburgkii*), 5472 (*Elissarrhena grandifolia*; photo of type of *Anomospermum Ulei*), 19.124 (*Sciadotenia paraënsis*, photo of type), 19.125 (*Chondodendron platiphyllum*; photo of type coll. of *C. aemulum*), 19.126 (*Sciadotenia amazonica*, photo of type), 19.127 (*Anomospermum japurense*, photo of type), 19.128 (*Anomospermum reticulatum*, photo of cotype), 19.129 (*Abuta rufescens*), 19.130 (*Elissarrhena grandifolia*, photo of type), 27.508 (*Abuta barbata*, photo of type coll.), 27.509 (*Abuta rufescens*), 27.510 (*Telitoxicum minutiflorum*, photo of type), 27.511 (*Anomospermum nitidum*, photo of type coll.), 27.514 (*Chondodendron iquitianum*, photo of type), 27.516 (*Chondodendron microphyllum*, photo of type of *Detandra latifolia*); Malme 1038 (*Hyperbaena Hassleri*), 1164b (*Abuta grandifolia*), 1484 (*Abuta grandifolia*), 1484x (*Abuta grandifolia*), 1484xx (*Abuta grandifolia*), 1788 (*Abuta grandifolia*); Martín, J. s. n. (*Abuta Candollei*; cotype coll. of *A. oblonga*), s. n. [Richard 21] (*Sciadotenia cayennensis*, cotype coll.), s. n. (*Sciadotenia cayennensis*, cotype coll.), s. n. (*Abuta grandifolia*; cotype coll. of *Anelasma Martinianum*); Martius 46 (*Abuta rufescens*; type coll. of *Cocculus Pahni*), « 170 » = error for 510, « 284 » (*Anomospermum japurense*, type coll.), 306 (*Abuta rufescens*), 510 (*Chondodendron platiphyllum*; type coll. of *C. aemulum*), 3027 (*Anomospermum reticulatum*, cotype coll.), 3051 (*Abuta imene*; type coll. of *Cocculus amazonum*), s. n. (*Abuta grandifolia*, type coll.; type coll. also of

Cocculus grandifolius and *C. laevigata*), s. n. (*Abuta imene*, type coll.), s. n. (*Anomospermum japurense*, type coll.), s. n. (*Sciadotenia amazonica*, type coll.), s. n. (*Sciadotenia paraënsis*, type coll.); Mélinon 89 (*Sciadotenia cayennensis*); Mexia 4215 (*Abuta rufescens*), 4456 (*Abuta Selloana*), 5082 (*Abuta Selloana*), 5478 (*Abuta rufescens*), 5493a (*Chondodendron platiphyllum*), 6321a (*Chondodendron iquitianum*); Miers 3881 (*Abuta rufescens*; type coll. of *A. heterophylla*), 4254 (*Anomospermum nitidum*; type coll.), 4524 (*Chondodendron platiphyllum*, type coll. of *C. obscurum*); Mikan s. n. (*Abuta rufescens*); Mutis 2203 (*Abuta* sp.), 5117 (*Chondodendron tomentosum*).

Nadeaud s. n. (*Chondodendron platiphyllum*).

Peckolt 5 (*Chondodendron platiphyllum*), 7 (*Chondodendron platiphyllum*), 142 (*Chondodendron platiphyllum*), s. n. (*Chondodendron platiphyllum*); Perrottet s. n. (*Abuta Candollei*), s. n. (*Abuta grandifolia*); Persaud 248 (*Anomospermum Schomburgkii*), 248b (*Anomospermum Schomburgkii*); Poeppig 2271 (*Sciadotenia ramiflora*, type coll.), 2484 (*Abuta grandifolia*); 2748 (*Abuta grandifolia*), 3069 (*Abuta grandifolia*, type coll. of *A. concolor*); Poiteau s. n. (*Hyperbaena domingensis*), s. n. (*Sciadotenia cayennensis*), s. n. (*Abuta Candollei*), s. n. (*Abuta grandifolia*); Pulle 337 (*Abuta Candollei*), 408 (*Chondodendron candicans*; type coll. of *Abuta* ? *Pullei*).

Regnell III. 1720 (*Hyperbaena oblongifolia*), s. n. (*Abuta rufescens*); Richard, J., 21 (*Sciadotenia cayennensis*, cotype coll.); Richard, L. C., s. n. (*Abuta grandifolia*); Riedel 866 (*Abuta grandifolia*); Ruiz et Pavon 34/10 (*Chondodendron tomentosum*, type coll.); Rusby, H. H., 802 (*Chondodendron tomentosum*), 1400 (*Hyperbaena Hassleri*), 1873a (*Chondodendron tomentosum*), 1979 (*Abuta grandifolia*), 1980 (*Abuta grandifolia*).

Sagot 19 (*Sciadotenia Sagotiana*, type coll.), 20 (*Abuta grandifolia*; cotype coll. of *Anelasma pallidum*), 23 (*Sciadotenia cayennensis*, cotype coll.), 919 (*Abuta barbata*, type coll.), 1058 (*Anomospermum Schomburgkii*), 1264 (*Abuta Candollei*), s. n. (*Abuta Candollei*, type coll.); Samuels 534 (*Abuta grandifolia*); s. n. [15 July, 1906] (*Abuta grandifolia*); Sandwith 287 (*Anomospermum Schomburgkii*); 561 (*Chondodendron candicans*); Schomburgk, M. R., 440 (*Abuta grandifolia*, type coll. of *Anelasma pallidum*).

lasma Guianense), 6966 (*Abuta grandifolia*, type coll. of *Anelasma Guianense*), s. n. (*Abuta grandifolia*); Schomburgk, Rob., 891 (*Anomospermum Schomburgkii*); Schwacke s. n. [Cabo Frio] (*Ungulipetalum filipendulum*); Seemann s. n. (*Abuta spicata*; type coll. of *A. Seemanni*); Sellow 596 (*Ungulipetalum filipendulum*), 971 (*Anomospermum Schomburgkii*), 1978 (*Abuta Selloana*), s. n. [1827] (*Abuta Selloana*), s. n. (*Abuta Selloana*); Siqueira 8266 (*Chondodendron limacifolium*, type coll.); Smith., A. C., 3581 (*Sciadotenia cayennensis*); Smith, H. H., 1553 (*Hyperbaena domingensis*); Spruce 230 (*Abuta Grisebachii*), 402 (*Abuta grandifolia*), 1251 (*Abuta Grisebachii*), 1415 (*Abuta grandifolia*), 1416 (*Abuta imene*), 1538 (*Elissarrhena grandifolia*, type coll.), 1829 (*Abuta grandifolia*; type coll. of *Anelasma pallidum*), 2192 (*Abuta grandifolia*), 2209 (*Sciadotenia Sprucei*, type coll.), 2340 (*Abuta Grisebachii*, cotype coll.), 2346 (*Abuta Grisebachii*), 2393 (*Abuta imene*; type coll. of *Anelasma strumosum*), 2563 (*Anomospermum Schomburgkii*; type coll. of *A. lucidum*), 2763 (*Abuta panurensis*, type coll.), 3167 (*Hyperbaena domingensis*; type coll. of *H. graciliflora*), 4474 (*Chondodendron tomentosum*; type coll. of *C. cretosum* and *Botryopsis Spruceana*), s. n. [in vicinibus Barra] (*Abuta imene*; type coll. of *A. rigida*), s. n. [in vicinibus Barra] (*Abuta grandifolia*), s. n. [inter Santarem et Obidos] (*Abuta grandifolia*; type coll. of *Anelasma Spruceanum*), s. n. [Santarem] (*Abuta grandifolia*), s. n. (*Abuta Grisebachii*; type coll. of *A. cuspidata*); Stahel s. n. (*Abuta grandifolia*); Stahel et Gonggrijp 6281 (*Abuta barbata*); Standley 40.849 (*Chondodendron tomentosum*), 41.007 (*Chondodendron tomentosum*), 41.155 *Chondodendron tomentosum*).

Tate 959 (*Abuta velutina*, type coll.); Tessmann 3157 (*Chondodendron tomentosum*), 3183 (*Cissampelos fasciculata*), 3342 (*Chondodendron tomentosum*), 3834 (*Elissarrhena grandifolia*), 4196 (*Chondodendron iquitatum*, type coll.), 4333 (*Chondodendron tomentosum*), 4565 (*Telitoxicum minutiflorum*, type coll.), 4579 (*Anomospermum chloranthum*), 4626 (*Telitoxicum minutiflorum*), 4689 (*Anomospermum chloranthum*), 5067 (*Cissampelos fasciculata*), 5334 (*Abuta grandifolia*); Trail 14 (*Sciadotenia Sprucei*); Triana s. n. [Cundai] (*Abuta racemosa*), s. n. [Mariquita] (*Abuta racemosa*).

Ule 5526 (*Elissarrhena grandifolia*; type coll. of *Anomospermum Ulei*), 5631 (*Chondodendron toxicoferum*; type coll. of *Hyperbaena polyantha*), 9387 (*Abuta grandifolia*), 9388 (*Anomospermum chloranthum*, type coll.), 9389 (*Elissarrhena grandifolia*); Uribe P. s. n. (*Abuta grandifolia*).

White, O. E., 1812 (*Chondodendron tomentocarpum*; type coll. of *Abuta boliviana*); Widgren 542 (*Abuta rufescens*), 790 (*Chondodendron platiphyllum*), 1318 (*Abuta rufescens*), s. n. (*Abuta rufescens*), s. n. (*Chondodendron platiphyllum*); Wied-Neuwied s. n. (*Ungulipetalum filipendulum*, type coll.); Williams, Ll., 1051 (*Abuta grandifolia*), 1191 (*Anomospermum Schomburgkii*), 2435 (*Abuta grandifolia*), 3075 (*Sciadotenia similis*) 3414 (*Anomospermum chloranthum*), 3500 (*Abuta grandifolia*), 3860 (*Anomospermum japurensense*), 4713 (*Abuta grandifolia*), 6276 (*Chondodendron tomentosum*), 8013 (*Abuta grandifolia*), 11.437 (*Abuta grandifolia*); Williams, R. S., 562 (*Chondodendron tomentocarpum*), 616 (*Chondodendron tomentocarpum*, type coll.); Woodworth et Vestal 438 (*Chondodendron tomentosum*; type coll. of *C. hypoleucum*).