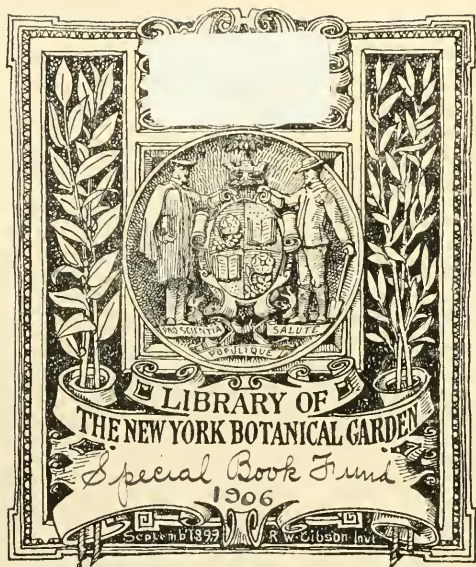








AN ENUMERATION OF THE VAS-
CULAR PLANTS KNOWN FROM
SURINAM, TOGETHER WITH THEIR
DISTRIBUTION AND SYNONYMY. *

BY

Dr. A. PULLE.

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PREFACE.

The interest in the colony Surinam has of late years been constantly increasing.

In 1900, owing to the support of the minister for colonial affairs at that time, J. F. Cremer, and the assistance of the governor of Surinam, W. Tonckens LL. D., two expeditions were almost simultaneously sent out, one of which investigated the course of the Nickerie river and the other explored the Coppenam river. Both expeditions contributed to our knowledge of the flora by collecting plants. The latter expedition was organised by the "Committee for the scientific investigation of Surinam" (Commissie tot wetenschappelijk onderzoek van Suriname), a committee formed by delegates of the "Royal Dutch geographical society" (Koninklijk Nederlandsch Aardrijkskundig genootschap), the "Society for promoting scientific investigation in the Dutch colonies" (Maatschappij tot bevordering van het natuurkundig onderzoek in de Nederlandsche koloniën) and the "Society for Surinam" (Vereeniging voor Suriname). This committee, presided by Jhr. C. H. A. van der Wijck and subsidised by the government and the three afore-mentioned societies organised three other expeditions in the following three years.

The starting point for this enumeration was a collection of Prof. F. A. F. C. Went, collected in Surinam in 1901 and first worked out by the present writer. When the other expeditions considerably enlarged the material, it appeared desirable to the author to work out as much as possible all the collections from Surinam, the more so as he had the privilege of joining one of the expeditions mentioned as a botanist.

In the compiling and editing of this work the author was supported by various bodies. The already mentioned Committee for the scientific investigation of Surinam granted him a sum of money which enabled him to undertake journeys to Kew, Göttingen and Berlin, in order to compare his collections with those there.

For the publication of this work the author received a considerable grant from the Dutch government through the minister for colonial affairs, from the "Association for preserving the Old Students' Fund at Utrecht"

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(Vereeniging tot instandhouding van het Oud-Studentenfonds te Utrecht) and from the "Provincial Utrecht Society of Art and Science" (Provinciaal Utrechtsch Genootschap voor kunsten en Wetenschap).

The author wishes to express his indebtedness to all these persons and bodies.

Most of all, however he has to thank Prof. F. A. F. C. Went, who took the initiative for publishing the work in its present shape and who moreover, as well by his personal advice, as by his influence with the above-mentioned societies, promoted more than any one else the publication of this Enumeration.

The kindest assistance was given to the author by the Director of the Royal Botanic Garden at Kew, Sir W. T. Thiselton Dyer, by the Director of the Kgl. Botanisches Museum at Berlin, Geheimrat Prof. Dr. A. Engler and by the Director of the Botanical Institute at Göttingen, Prof. Dr. A. Peter, who all enabled him to use their herbaria.

Prof. Dr. F. Niedenzu at Braunsberg, Dr. O. E. Schulz at Berlin and Mr. T. A. Sprague at Kew were so kind as to determine respectively the Malpighiaceae, the Erythroxylaceae and part of the Bignoniaceae for the present writer who expresses his sincere thanks to these gentlemen.

Finally he has to thank his betrothed, Miss E. Kamerling, for compiling the index and his brother, Mr. R. J. C. Pulle, for his assistance in going through the proofs.

It must be understood that the author does not claim completeness for this work. But he hopes that it will give some idea of the present state of our knowledge of the Surinamian flora and that it may lead to further attempts, as well in the mother country as in the colony itself, of increasing our knowledge of the botany of this interesting part of tropical South America.

HISTORY OF THE INVESTIGATION OF THE FLORA OF SURINAM.

Although it appears from books of travel of colonists in Surinam in the seventeenth and eighteenth centuries that the luxuriance of the flora of Surinam greatly impressed all who visited the colony, yet no plants were conveyed to Europe by the Dutch of those days. The first collections that reached Europe seem to have been those of Dalberg and Rolander; the first a Swede who made important collections for Linnaeus, the second a Dane who travelled in Surinam about 1754 and whose journey was described by Hornemann in 1812. Probably it was Dalberg's collection which served in 1775 as the base for a doctor dissertation by one of Linnaeus' pupils, Jacobus Alm, the title being "*Plantae Surinamenses quas praeside D. D. Car. von Linné proposuit Jacobus Alm Uplandus*". ¹⁾ In the preface of this paper it is only stated that through the liberality of Gustavus III Linnaeus succeeded in bringing together a sum of money for the collection of natural objects in Surinam and tropical America. That the collection was important may appear from the statement that a great part of the flowers and fruit were preserved in alcohol. The dissertation itself is not of much consequence; 148 species are enumerated in it, of which 40 to 50 new ones with 13 new genera, but only *Gustavia augusta* is described and illustrated; the other genera and species are only mentioned with the addition of their vernacular names and were first described by Linnaeus fil. in his *Supplementum plantarum*. This latter work is much more important for the knowledge of the Surinamian flora and numerous well-known species from tropical America were described by Linnaeus fil. by means of specimens originating from Surinam.

In 1791 a small collection reached Europa, namely that of Anderson. This latter, probably Englishman by birth, was originally a hospital surgeon in American service and came to St. Vincent about 1780, where he was superintendent of the botanical garden from 1785 till 1811, the year of his death. With the view of making a flora of the Antilles he collected in the

¹⁾ *Amoenitates Academicae*, ed. Schreber (1785) VIII p. 249.

neighbouring islands and visited Guyana in 1791, wanting to take live plants from there to his garden. His collection of Surinam plants is little known and is at present in the Banks herbarium (British Museum, London) and in the Delessert herbarium at Geneva¹⁾. Still less important is a collection by Leschenault, who visited Surinam for some months from French Guyana in 1823 and made a small collection which is preserved in the *Herbier du Musée de Paris*²⁾.

A more important and especially more widely spread collection was brought together in 1828 by Weigelt. This latter, a Saxon, was sent out by his government in order to make a botanical collection in Surinam. He died however shortly after his arrival in Surinam on the plantation Brunswijk. After his death his herbarium went for the greater part to North America, partly however to Europe, where it was determined by Reichenbach and was distributed over several larger herbariums. His collection consisted chiefly of Ferns, Cyperaceae and Gramina and is found pretty completely e.g. in the State herbarium at Leyden.³⁾

F. W. Hostmann, a Hanoverian by birth, studied medicine at Göttingen and settled in 1818 as a practitioner at Paramaribo. His extensive medical practice after a short time brought him in a considerable fortune. At the same time he was an ardent lover of nature and soon began to make a botanical and zoological collection. In 1824 he sent a herbarium to his teacher Ernst Meyer at Göttingen, who worked out the collection and published it in the *Nova Acta Acad. Caes. Leopold-Carolinae* XII (1824). Part of this collection is still in the herbarium at Göttingen, apparently without the original labels of Meyer. It is unknown to me where the other original specimens of Meyer are to be found. Hostmann seems to have sent to Meyer no second time. About 1838 he puts himself in connection with Sir William Hooker to whom he sends already in 1840 a collection of some 500 species together with a letter which has been published by Hooker in the *London Journal of Botany* I (1842) p. 97. Hostmann tells that he has still 11000 specimens of which he had already disposed otherwise through lack of money. Probably these are the collections that were later sold to Hohenacker.

In this letter Hostmann describes the great difficulties which he experiences in collecting on account of the damp climate and mentions that he has made the acquaintance of Weigelt and Splitgerber. In 1841 a second collection is sent to Hooker, again some 500 species with numerous duplicates. In a letter, published by Hooker in the *London Journal*, page 605,

¹⁾ Urban, *Symbolae Antillanae* III p. 17.

²⁾ Sagot, *Catalogue des plantes de la Guyane Française*. *Ann. des sciences nat.* 6^{me} Série. T. 10 p. 367.

³⁾ Hostmann's letter to Hooker in the *London Journal of Botany* I (1842) p. 103; *Flora* XI (1828) p. 94.

Hostmann mentions his journey to Anka on the Marowine. In order to have better opportunities for collecting, Hostmann had already given up his practice and offered the government to become commander of the post at Anka. He set out for that place in March 1840, but was forced by insufficient means of conveyance to break his journey for a month at Armina, where he made for the first time the acquaintance of Kappler. But it soon appeared that little could be undertaken with the Bush negroes at Anka. Since Hostmann moreover was ill every moment, he resolved to return to Paramaribo in July. After his return his practice went down altogether. Neither did he care much for it any longer; he preferred to occupy himself with the study of nature and with schemes for the emancipation of the slaves. The shape in which he made known his ideas to his contemporaries was received with nothing but ridicule in Surinam, while in Holland his ideas were disregarded.

It is in this time that he became more closely acquainted with Kappler. Kappler, born at Stuttgart in 1816, was originally educated for the trade; soon however his longing for travelling got the better of him and after an unsuccessful attempt of joining the Greek army, he goes to Holland in 1835, where he enlists at Harderwijk for the colonial army, being destined for Surinam. He goes thither for six years in 1835. His experiences during that time are described in a little book, entitled: *Six years in Surinam, Sketches of social and military life in this colony* by A. Kappler. 2 vols. (Utrecht 1854, in Dutch; Stuttgart 1854, in German.) Having been sent out to various military outposts in the wilderness, alone with a single negro, he had ample opportunity of devoting his attention to tropical nature. In the first years, however, his collections were exclusively zoological. Besides he was not lucky with them. His first collection, which he sent to Stuttgart, was lost with the ship that conveyed it. During a short residence at Armina he made the acquaintance of Hostmann. After his return to Paramaribo in 1841 Hostmann persuaded him to ask a three weeks' leave and to undertake together a botanical expedition along the Surinam river from the middle of August to the beginning of September. This collection which was afterwards offered for sale by Hohenacker, was collected for the greater part on the Joden-savanne, Bergendal and Station Victoria. Through illness of Hostmann, however, the journey had to be considerably shortened. Kappler, who in the meantime had been promoted to the rank of quarter-master, left the service in 1842 and returned to Germany, after having made an arrangement with Hostmann that he would soon return and that they would then both make an expedition to the Upper Surinam.

Kappler remained in Europe only for a few months. Already in July 1842 he is at Paramaribo again, where he is informed to his dismay that Hostmann had set out for the interior three weeks previously. Kappler goes after him at once and overtakes him at Victoria, where he finds Hostmann

so seriously ill that this latter desires to return to Paramaribo the next day. They arrive there already in August and Kappler takes his abode in Hostmann's house. In his work "Holländisch Guyana, Erlebnisse und Erfahrungen während eines 43-jährigen Aufenthalts in der Kolonie Surinam, Stuttgart 1881," Kappler gives a very amusing description of Hostmann's household at that period. Hostmann did not take the least notice of his family and was constantly occupied in making new schemes for his culture experiments. Characteristic of Hostmann is the following sentence (p. 31): "After our return from Victoria I did not find again in the doctor those animated conversations on the probable flora of Jupiter and Saturn which had so charmed me before I went to Europe. Material concerns had now come in their stead." While Hostmann remained occupied with his culture experiments at Paramaribo, Kappler made an expedition to the Para district, collecting at Osembo, near the plantation l'Inquiétude and near the plantation Berlin. After his return he collected for a time in the environs of the town and then made another expedition to the Sara-creek. On this latter expedition Kappler fell ill and remained for 47 days at post Mauritsburg. After his return to Paramaribo he found Hostmann so absorbed by his colonisation schemes that Kappler resolved to leave his house. He rented a little house himself and so gathered during three years a very valuable collection of dried and live plants which he sent successively to Europe and which were a good source of income to him. From that time already date Kappler's schemes of colonisation on the Marowine and accordingly he paid a visit to that river before his departure to Europe. He also went once more to the Para district where he met Hostmann again who was then occupied with growing tobacco. This is the last we hear of Hostmann. When and where Hostmann died I have not been able to find out.

In Juni 1845 Kappler returns to Germany with a collection of dried and living plants and zoological objects. These latter are in the Naturalien-Kabinett at Stuttgart, about his plants Kappler does not speak. Already in March 1846 he returns to the colony and settles on the Marowine where he founds Albina. At first he occupied himself exclusively with the wood trade, but his income soon increased when he was appointed postholder. He does not seem to have collected much in that time. He only mentions that he sent live plants to Europe.

In 1852 he once more undertakes the voyage to Europe, this time more particularly to Holland, where he tries to obtain support for his colonisation schemes at the colonial office, in which he succeeds. He also marries a friend of his youth, whose name, Albina, he had already previously given to the place founded by him. Accompanied by his wife and some people from the Schwarzwald, he sets out for Surinam in 1853 in a ship, hired for the transport of wood. Colonising did not give Kappler much pleasure, however. To his extraordinary energy he joined a very choleric character, which made him many enemies everywhere. Yet Albina grew larger and

was already inhabited by 71 Europeans in 1855. After having made another voyage to Holland in 1860, Kappler in 1861 is a member of the Dutch-French expedition for the determination of the frontiers. On this occasion he travels on the Lawa and the Litanie and mounts the Knopaiamoi (the Piton Vidal) which was not reached again until 40 years afterwards by the Dutch Gonini-expedition. On this expedition a small collection was made.

After that time he seems to have stopped collecting. Kappler made still two voyages to Europe; in 1867 in order to obtain freedom from taxation for his goods and in 1875 on account of illness of his wife. This latter could not stand life in the colony and so in 1879 Kappler sold Albina to the government and left for Europe for good. He went to Stuttgart where he remained till his death.

Besides the two works already mentioned he still wrote a book: *Surinam, sein Land, seine Natur, Bevölkerung, seine Kulturverhältnisse mit Bezug auf Kolonisation* von A. Kappler. Stuttgart 1887 and various articles on the fauna and flora of the colony in: "das Ausland" of 1885.

Also other collections have been made in Surinam; one of the most important by H. C. Focke who was born in Surinam in 1802, studied law at Utrecht and after taking his degree established himself again at Paramaribo as an official in the court of justice. As early as 1835 Focke sent plants to Miquel who was then botanist at the clinical school at Rotterdam. Focke went on collecting till 1850. From 1854 to 1856 he was one of the editors of the periodical *West-Indie*, of which no volumes appeared after his death and in which he published numerous botanical and ethnographical articles.

As a botanist Focke made himself known by papers on Surinamian orchids in the *Botanische Zeitung* of 1853 and in the *Tijdschrift voor de Wis- en Natuurskundige Wetenschappen* of 1849 and 1851. His dictionary of negro-English received less favourable criticism and was already in the following year superseded by the *Deutsch-Negerenglisches Wörterbuch* of Wulschlägel, the well-known collector in the Antilles and in Surinam.

It is certainly remarkable that Kappler in his autobiography does not mention Focke at all, since both collected near Paramaribo at the same time. Probably the ex-quartermaster of the colonial army was not respectable enough for the gentlemen of the court of justice to associate with. Kappler complains repeatedly that during his stay at Paramaribo he had so little intercourse with the other inhabitants of the town.

Another botanist whom Focke must certainly have met, is F. L. Splitgerber, born in 1801 at Amsterdam, where he received his education till his fifteenth year, after which he lived at Lausanne for four years. Splitgerber was a highly educated man who spoke several languages fluently and devoted himself particularly to painting. His large fortune enabled him to travel in Europe; he visited Italy, Sicily and England.

Not until his residence at Hillegom in Holland he seems to have devoted himself more particularly to botany. From that period dates his list of plants

grown on the country-seat Bronsté near Haarlem and his numerous drawings of algae and diatoms. Already during his journey to Italy and Sicily in 1833 he collected plants, which collection he afterwards greatly enlarged by the purchase of various other collections. Having become acquainted with the works of Humboldt and Martius the desire was born in him to see the tropics. In 1837 he set out on a voyage to Surinam where he arrived in November. On his numerous expeditions, which however did not extend very far into the interior, he collected about 1200 specimens, part of which were given him by Focke, as appears from the labels of Splitgerber's plants in the State Herbarium at Leyden. He remained in correspondence with Focke for a long time.

His first work after his return in August 1838 was to work out his own material. His plan of publishing *Illustrationes Florae Surinamensis* was not executed because death intervened. But he published part of his plants in the *Tijdschrift voor Natuurlijke geschiedenis en Physiologie* of 1840, in which he dealt with the genus *Voyria* and his ferns and in the same periodical of 1842, in which *Bignoniaceae* and various other families were published. In 1841 he visited England in order to compare in the herbarium of the British Museum his collection with the original specimens of Aublet. On this occasion he became acquainted with Schomburgk. After having visited the herbaria at Paris, Munich, Geneva and Vienna he returned to Holland, where already the following year (1842) paralysis, followed by softening of the brain, put an end to his life. His herbarium in the meantime had grown to some 20000 specimens. His Surinamian plants are on the whole remarkably well determined, Splitgerber devoting extraordinary care to the determination and being enabled by his fortune to travel and compare his material with foreign herbaria.¹⁾

During his residence at Paramaribo Splitgerber also made the acquaintance of Hostmann, as appears from Hostmann's letter to Hooker. Hostmann tells in it that he has given numerous specimens to Splitgerber. These plants are not found in Splitgerber's herbarium at Leyden, however. There is at Leyden, on the other hand, a collection of Hostmann's duplicates, without numbers and undetermined, the origin of which is unknown. It is not impossible that this is the collection mentioned by Hostmann.

A few years after Splitgerber's death the colony was visited by a botanist of no less zeal, Hermann Kegel, born at Gerbstadt near Eisleben, who in 1844 went to Surinam at the expense of the firm van Houtte at Ghent, chiefly with the object of collecting live plants. Apart from Kappler's last journey, Kegel of all earlier collectors in the colony, certainly penetrated deepest into the interior. After having first collected for a time in the environs of Paramaribo and got so exhausted that he fell dangerously ill, he undertook an expedition to the Upper Surinam, visited Bergendal, the Joden-

¹⁾ De Vriese, *Tijdschrift Nat. Geschied. en Phys.* XII (1845) p. 71

savanne and the Para-district and after having brought his collection in safety at Paramaribo, prepared an expedition along the Saramacca. After having stayed a time at Saron, Kegel went further up the Saramacca as far as the first rapids. He did not succeed in getting further, however, since not only the bush-negroes forbade him to stay in their villages, but even forced him to return below the rapids. Kegel now returned to Maripaston, where he stayed for a long time. An important part of his collection was brought together near this village. From there he undertook an expedition to a village on the river Coppenam. His intention of penetrating from this point to the river Corantine was frustrated by the unwillingness of his Indian servants. Kegel however did not give up his plan; he first brought his collection to Paramaribo and then set out once more to Maripaston, where he could find no Indians, however, to show him the way to the Coppenam. Yet Kegel made an attempt with other Indians, but serious illness, as well of himself as of his servants, forced him soon to return to Paramaribo. In December 1846 he is back at Ghent. His collection consisted of 1400 to 1500 specimens of herbarium material, numerous zoological objects and a number of live plants and seeds. After his return he first became professeur démonstrateur d'horticulture théorétique at the horticultural school at Ghent and in October 1847 hortulanus at Halle a/S. After his journey in Surinam Kegel seems to have enjoyed bad health. He died at Halle in May 1856 of disease of the stomach.¹⁾

Some years after Kegels's death H. R. Wulschlägel settled in the colony. Born in 1805 at Sarepta in Russia, Wulschlägel received a theological education in Silesia, afterwards became a teacher at Hernhutt and went out as a missionary in 1844 to Antigua, where he stayed till 1847 and collected an important herbarium. From 1847 to 1849 he was a missionary in Jamaica, where he also made botanical collections. In 1849 he became principal of the community of brethren at Paramaribo. His collection was chiefly assembled in the environs of this town, for a smaller part in the Para district. Wulschlägel remained in Surinam till 1855; he then became principal of the community of brethren at Bertelsdorf near Hernhutt, in 1857 became a bishop there and died at Bertelsdorf in 1864.²⁾

A very small collection of plants was assembled from 1853 to 1855 by Dr. F. Voltz. As a member of a German committee for investigating to what extent Surinam was fit for colonisation, Voltz chiefly occupied himself with the geology of the colony. Shortly before he could have carried out his plan of returning to Europe, Voltz died of yellow fever at Paramaribo. His botanical collection is in the herbarium of the university of Utrecht.

Probably from the same period dates a collection by Dr. Dumontier,

¹⁾ Reichenbach fil. in *Linnaea* XLI (1877) p. 119.

²⁾ Urban, *Symbolae Antillanae* III p. 145.

who about 1855 was a physician at Paramaribo. This collection is also found in the Utrecht herbarium.

Of the collections mentioned only those of Weigelt and of Hostmann and Kappler have become more widely known. The collection which Hostmann had brought together before making the acquaintance of Kappler, came for the greater part into the hands of Hooker and was spread from Kew. The specimens are all numbered, but about the place where they were found nothing is mentioned. They have not been published separately, but have been dealt with especially by Bentham in his numerous contributions to various numbers of the *London Journal of Botany*. Kew possesses the most complete collection of Hostmann's plants; these are also found in the herbarium of the British Museum, in the Delessert herbarium and incomplete in the Utrecht herbarium.

Later Hostmann put himself into relation with Hohenacker. At any rate we find in *Flora* of 1843 on page 655 the announcement of the first 200--350 species, which are offered for sale by Hohenacker undetermined, with the communication that numerous botanists are already occupied in naming them and that the labels with the names will soon follow. In the same volume of *Flora* we find the first publication on this material by Steudel, containing the enumeration and partly the description of 108 species.

Meanwhile Miquel had already in 1840 published in his *Fragmenta phytographica*, vol. II, part of the Melastomaceae, collected in Surinam by Focke. I do not know how Miquel became acquainted with Focke.

The fairly well preserved collection was commenced in 1835; part of it came into the hands of Splitgerber, the remainder was sent in batches to Miquel who gave it a place in his private herbarium which was later bought by the Utrecht university, where it is at present. Only some duplicates were distributed by Miquel, e. g. to Grisebach and Bentham, so that duplicates are found at Göttingen and Kew. Another part of the duplicates is in the State herbarium at Leyden.

Meanwhile Kappler continued sending fresh collections to Europe. In *Flora* of 1845 and 1846 we find Hohenacker's announcements concerning these plants. Several botanists occupied themselves with the determination of this material. So Kunze determined the ferns, Hochstetter the Gramina and Cyperaceae, Seubert another part of the Monocotyledons; Lindley the Orchidaceae, Schultz bip. the Compositae, Steudel the Melastomaceae, Bernhardt part of the Leguminosae and Miquel the rest. Steudel's publication is found in *Flora* of 1844; Miquel's chiefly in *Linnaea* XVIII (1844) and XIX (1847). In the meantime Miquel went on working at Focke's material. In the *Tijdschrift voor Natuurlijke Geschiedenis en Physiologie* X (1843) a part is first published, the chief part however in *Linnaea* XVIII (1844), partly mixed with the material of Hostmann and Kappler. The best known publication by Miquel on this material is his work: *Stirpes Surinamenses Selectae*, published separately in 1850 as the 7th volume of the *Transactions of the Dutch Scientific Society at Haarlem*.

The quarto volume contains 234 pages with 65 plates. Miquel's determinations are occasionally somewhat inaccurate. In this respect the amateur Splitgerber compares favourably with the professional botanist Miquel. Already in *Linnaea* XXI (1848) the determination of Kegel's plants is published by various botanists. So C. Müller gives the mosses, G. Kunze the ferns, Schultz bip. the Compositae, Meissner the Leguminosae, Nees ab Esenbeck the Acanthaceae and Lauraceae, Schauer the Verbenaceae and Myrtaceae, Grisebach a great part of the Monocotyledons, the remaining families being divided between Miquel and Garcke. The Orchids were not published until 1877 in *Linnaea* XLI by Reichenbach fil

Kegel's herbarium is in the Botanical Institute at Göttingen in an excellent condition. Mettenius obtained the ferns which are now in the Kgl. Botanisches Museum at Berlin. Also the Orchids are wanting at Göttingen and are probably in Reichenbach's herbarium.

As was already mentioned, Splitgerber determined the greater part of his herbarium himself. His death prevented the complete publication by himself and not until 1848 de Vriese in the first volume of the *Nederlandsch Kruidkundig Archief* enumerated the remaining families, giving their numbers and the places where they were found. At the same time de Vriese distributed the duplicates of Splitgerber's herbarium; so Vienna possesses a pretty complete collection of duplicates. The principal collection is at Leyden, where however some unica are wanting. So e. g. I have not succeeded in finding all the *Voyria's* published by Splitgerber. Also some of the ferns are lacking and the Orchids are even very incomplete, when compared with the article on them by Reichenbach fil. in *Ned. Kruidkundig Archief* IV (1859). These will probably be found in Reichenbach's herbarium.

Wulfschlägel's Surinamian collection is with the original labels in the Martius herbarium at Brussels. The plants have not been published separately, but the greater part has been dealt with in the various volumes of the *Flora Brasiliensis*. Duplicates are in the Grisebach herbarium at Göttingen.

Kappler's collection of 1861, brought together during his being a member of the French-Dutch committee for the determination of the frontiers, has been on the market. He himself says on page 384 of his autobiography:

"The collection of plants I divided with the help of a French botanist into two series; carefully labelled and excellently packed up, I sent them to the leader of the expedition with the request to offer them in my name to the herbaria of the universities of Utrecht and Leyden. I never received a word of thanks or even acknowledgement of their arrival. The remaining plants became known through the care of the late Dr. Hohenacker. Among them are many rare and some new species, which have been described in botanical publications."

The collection that was sent to Holland I found among the indeterminata in the State herbarium at Leyden. They were there only provided with a number and with loose labels, bearing the inscription: legit Kappler

1862. Misit Minister coloniarum. The specimens are in duplo and since the collection is wanting at Utrecht, it is probable that Miquel who then was at the same time director of the State herbarium at Leyden and professor at Utrecht, deposited both collections at Leyden and that later it was omitted to give half of it to the Utrecht herbarium. The rest, offered for sale by Hohenacker in *Flora* of 1862, bears the numbers 2000 to about 2200. They were for the greater part determined by Grisebach and have no year on the labels. Also this collection is in the State herbarium at Leyden. The plants have mostly been published in the *Flora Brasiliensis*.

This period of great activity was followed by a long period of stagnation. As far as I know no further botanical material of any importance reached Europe until 1885. Late in 1884 the Leyden professor W. F. R. Suringar visited the colony on his voyage to the Dutch West Indian islands. The very small collection which he brought together during his short stay at Paramaribo, is in the State herbarium at Leyden. By the publication of the *Flora Brasiliensis* a great part of the material already collected, was submitted to a renewed investigation. Especially the collections of Hostmann and Kappler and that of Wulschlägel, least of all those of Kegel and Focke, have been incorporated into the *Flora Brasiliensis*.

Not until 1901 another Surinamian collection reached Holland. The expedition of Dr. van Cappelle went up the Nickerie in August 1900. The pharmacist Dr. Tulleken collected a number of plants; most of the material was collected, however, in various smaller expeditions through the colony and in the environs of Paramaribo. The collection of about 500 numbers is in the State herbarium at Leyden.

The Utrecht professor F. Went visited the colony in the following year from July to October by order of the government. The object of his journey was to investigate the agricultural conditions of the colony. The herbarium which he collected with the assistance of Mr. H. P. J. Bloemers in his various expeditions through the colony contains some 550 numbers and is in the botanical laboratory at Utrecht.

In the same year the Dutch Commission for the scientific study of Surinam resolved to undertake an especially topographical exploration in the still unknown interior parts of the colony. With this purpose an expedition left Paramaribo in August 1901 and investigated the course of the river Coppenam and the situation of the neighbouring mountains. Mr. H. Boon, physician in the Dutch army, who was the medical member of this expedition, collected some 220 plants, partly in the environs of Paramaribo.

In November 1902 a second expedition left Paramaribo and travelled along the river Saramacca from November to May 1903. During this expedition the present author collected some 400 plants exclusively along the Saramacca.

Already in July 1903 a beginning was made with the investigation of the eastern part of the colony. The Gonini was followed up to its sources

and also the course of the Lawa and the Litanie were investigated and so Kappler's journey of 1861 repeated.

After having returned to Holland in January 1904, the same persons went to Surinam again in June of that year and investigated the course of the Tapanahoni and various mountain tops in the neighbourhood. In these latter two expeditions it was Mr. G. M. Versteeg, M. B. who accompanied the expedition as physician and who collected about 950 plants.

The botanical collections of all four expeditions are in the herbarium of the university of Utrecht which now, possessing also the collections of Hostmann and Kappler and that of Focke, has the most extensive botanical material from Surinam. In deviation from the older collections and from that of prof. Went, the material of Dr. Tulleken and of the collectors of the last four expeditions has been exclusively preserved by Schweinfurth's method, which has contributed no little to the excellent condition of these collections.

There is still a small Surinamian herbarium in the colonial museum at Haarlem. The greater part of the West Indian collection of this museum consists however of useful plants and species of wood.

In the following systematic part of this work all the material has been used which is now in the Utrecht herbarium. I also received from the State herbarium at Leyden the collections of Tulleken, Splitgerber and part of that of Suringar. Prof. Peter of Göttingen was so kind to send me Kegel's herbarium to Utrecht, while I was enabled by journeys to Kew and Berlin to compare my material with the collections there and at Kew to see some of Hostmann's plants that are lacking in the Utrecht herbarium. I did not see the greater part of Wulfschlägel's collection, but since this collection has been almost entirely published in the *Flora Brasiliensis* and moreover was collected only near Paramaribo and in the Para district and so is of relatively little importance for the distribution of the plants over Surinam, I hope this will cause no gap in the systematic part. Weigelt's collection I received partly from Göttingen, partly from Leyden.

The enumeration of families and genera is very nearly in the order and with the names, as they occur in Engler and Prantl's *Natürliche Pflanzenfamilien*. The species are generally enumerated in the order in which they occur in the *Flora Brasiliensis* or in well known monographs, such as the "Suites au Prodrôme" or "das Pflanzenreich."

In regard to the nomenclature I have adhered as much as possible to the Berlin rules. This was not always possible, since often I lacked the literature for finding the oldest name. Also sometimes lack of material for comparison compelled me to follow the division into genera adopted in some monographs and so to deviate from the division of the *Natürliche Pflanzenfamilien*. Also through lack of material for comparison part of the material of some families has had to remain unused. This applies more especially to Rubiaceae and Myrtaceae, while I had for the same reason to ask Prof. Dr. F. Nidenzu of Braunsberg and Dr. O. E. Schulz of

Berlin to work out my material of Malpighiaceae and Erythroxylaceae respectively. Mr. Sprague of Kew was so kind to determine some Bignoniaceae for me. I wish to express here my best thanks to these gentlemen. The specimens mentioned of the various species, have been enumerated with indication of the collector, the number in the collection and the herbarium in the order of the localities where they were found, the most eastern localities having been taken first, the most western last. Since the collections were chiefly made along the rivers, the place where they were found can in this way easily be indicated. The plants along the same river have been enumerated in the order from the mouth to the source, with the addition of Lower and Upper river. Lower river I have always called the part below the rapids. When nothing is added to the name of the collector, this means that the specimen is at Utrecht. This does not apply to Kegel's herbarium which is at Göttingen only, so that the addition herb. Götting, was unnecessary. With the specimens which I did not see, the source is always mentioned. Specimens without indication of locality have been enumerated together after the other specimens with the addition "Surinam"

I had much difficulty in obtaining the vernacular names. One can find these names in a number of works and there exist even special lists, e.g. that of Westerouen van Meteren, containing botanical and vernacular names of Surinamian plants. All these names seem to me to be often unreliable and I do not believe that they are based on the determination of specimens provided with that vernacular name. I rather believe that they had their origin in the borrowing of somewhat similar names from French Guyana. Another fact which makes great care necessary in the use of indigenous names is the very insufficient botanical knowledge of the negroes who yet as a rule are applied to, when we wish to know the vernacular name of a plant. Plants which resemble each other are regularly mixed up and not only are the species of the same genus called by the same name, but often also plants of entirely different families, as e.g. Euphorbiaceae and Amaranaceae. To this must be added the peculiarity of the negro of often mentioning any name, if the plant in question is unknown to him. With the different collections I received from Surinam this often became clearly evident to me and during my stay in Surinam I also had numerous instances of it. In this respect the Indians are much more reliable; moreover they know plants much better. The few Indian names occurring on the collections from Surinam as a rule agree perfectly with those given by Aublet. But on account of the small number of the Indian population of Surinam, travellers have seldom met them and the number of names thus known is very small.

All these reasons induced me to use only those vernacular names which occur on the labels of collected specimens. I was afraid to make the confusion only greater if I also gave a place to the other names.

SYSTEMATIC PART.

HYMENOPHYLLACEAE.

TRICHOMANES Linn.

Trichomanes vittaria D. C. Herb. Poir. Encycl. méth. bot. VIII. 65.

Surinam River near Paramaribo: EHRHARD ex Sturm Flora Bras. l.
2 p. 247.

Para district near Topibo: WULLSCHLÄGEL ex Sturm l. c.

Upper Surinam River near Blauwe Berg: SPLITGERBER 1049. H. L. B.
904, 336—58. [= *Trichomanes floribundum* Humb. var: *vittaria*
Splitg. in tijdschrift voor nat. geschied. en physiolog. VII. (1840).
p. 440].

Commewyne River: KAPPLER without number.

Joden Savanne: KEGEL 1071 ex Kunze Linnaea XXI p. 238 in forests.

Saramacca River near Sornau-kreek and near plant. Vier Hendrikken:
KEGEL 1071 in forests ex Kunze l. c.

Coppename River: WENT 141 in forests.

Surinam: HOSTMANN 206; KAPPLER 1748.

Trichomanes pinnatum Hedw. Gen. et spec. fil. tab. 4. fig. 1.

Gonini River: VERSTEEG 54 in forests.

Para district near Berlijn: SPLITGERBER 704. H. L. B. 904, 336—55,
56; near Joden Savanne: KEGEL 1058 ex Kunze l. c. 239.

Surinam River near Blauwe Berg: SPLITGERBER 880. H. L. B. 904,
336—53; near Bergendal: FOCKE 1077, 1167, 1168.

Saramacca River near Janbasigado: PULLE 166 in forests.

Upper Nickerie River: TULLEKEN 387. H. L. B. 903, 322—1095.

Surinam: SPLITGERBER H. L. B. 904, 336—50 named *Tr. floribundum*
H. B. K. in Tijdschrift v. Nat. Gesch. VII. p. 439; HOSTMANN 1751
ex Sturm l. c. 248.

Trichomanes pennatum Kaulf. Enum. Filic. 264.

Saramacca River near Sornau-kreek: KEGEL 1078 in forests ex
Kunze l. c. 238.

Surinam: WULLSCHLÄGEL 1719 ex Sturm l. c. 249.

Tropical South-America.

Trichomanes Hostmannianum Kunze in Botan. Zeitung V. (1847) p. 352.

Surinam River, Cassepoera-kreek near Joden Savanne: KEGEL 1059 ex Kunze Linnaea XXI. 239.

Surinam: HOSTMANN 75; WULLSCHLÄGEL ex Sturm l. c. 250.

Northern Brazil; French Guyana.

Trichomanes Hookeri Presl Hymenoph. 16.

Paramaribo, near Oude Rijkweg: KEGEL 655 in forests ex Kunze l. c. 237.

West-Indian Islands; French Guyana.

Trichomanes pilosum Raddi Syn. filic. bras. n. 140.

Para district: SPLITGERBER on trees, ex Tijdschrift p. 438.

Brazil.

Trichomanes Sellowianum Presl. Hymenoph. 15 et 37.

Para district near Joden Savanna: KEGEL 1055 ex Kunze l. c. 240.

Brazil.

Trichomanes cristatum Kaulf. Enum. filic. 265.

Saramacca River near Sornau-kreek: KEGEL without numb. on trees ex Kunze l. c. 239.

Surinam: WEIGELT ex Kunze l. c.; HOSTMANN 600; WULLSCHLÄGEL ex Sturm l. c. 255.

Northern Brazil; British Guyana

Trichomanes Martiusii Presl. Hymenoph. 15 et 37.

Para district near Joden Savanne: KEGEL 1054 on trees. (Nov.) ex Kunze l. c. 239.

Surinam: HOSTMANN 599; FOCKE 1076.

North Brazil; British Guyana.

Trichomanes Bancroftii Hook. et Grev. Icon. filic. II. t. 204.

Saramacca River near Sornau-kreek: KEGEL 1079 ex Kunze l. c. 237 in forests.

Surinam: WEIGELT ex Kunze l. c.

Northern Brazil; Guyana.

Trichomanes Ankersii Parker in Hook. et Grev. Icon. filic. II. t. 201.

Surinam River, near Joden Savanna: KEGEL 1070 on trees ex Kunze l. c. 237.

British Guyana.

Trichomanes brachypus Kze. in Linnaea IX (1834) p. 105.

Surinam River near Sornau-kreek: KEGEL 1202 ex Kunze l. c. 237.

Para district: SPLITGERBER H. L. B. 904, 336—52 (= *Tr. subsessile* Splitg. in Tijdschrift Nat. Gesch. VII p. 437.)

Upper Saramacca River near Janbasigado: PULLE 135 on trees.

Upper Nickerie River: TULLEKEN 516 H. L. B. 903, 322—1010.

Surinam: FOCKE 1255; KAPPLER 1765 ex Sturm. l. c. 263.

Tropical South America.

Trichomanes punctatum Poir. in Enc. méth. Bot. VIII. 64.

Surinam River near plant. Quarta: KEGEL 1055 in forests ex Kunze l. c. 236.

Surinam: WEIGELT ex Kunze l. c. 236.

Northern Brazil.

Trichomanes Kapplerianum J. W. Sturm. in Flora Bras. I. 2. p. 276.

Surinam: KAPPLER ed. Hohenacker 1760 (named *Trichomanes punctatum* Kunze) ex Sturm. l. c.

Northern Brazil.

Trichomanes Krausii Hook et Grev. Icon. filic. II. t. 149.

Paramaribo, near Nieuwe Rijweg: KEGEL 453 ex Kunze l. c. 237.

Surinam: FOCKE 1256.

Tropical South-America.

HYMENOPHYLLUM Smith.

Hymenophyllum polyanthos Swartz Syn. filic. 149.

Gonini River: VERSTEEG 201 on trees.

Paramaribo: SPLITGERBER, Tijdschrift Nat. Gesch. named: *H. clavatum* Swartz.

Saramacca River, near Maripaston: KEGEL 1385 and 1386 on trees ex Kunze l. c. 241.

Hymenophyllum Schomburgkii Presl. Hymenoph. 32.

Surinam: HOSTMANN 5.

British Guyana.

Hymenophyllum ciliatum Swartz. Fl. Ind. Occ. III. 1753.

Para district near Joden Savanne: KEGEL 1069 ex Kunze l. c. 240.

Surinam: WEIGELT ex Kunze l. c.; HOSTMANN 1232

Tropical South-America.

CYATHEACEAE.

HEMITELIA R. Br.

Hemitelia grandifolia Spreng. Syst. Veg. IV. 125.

Surinam: KAPPLER 1771 ex Baker Flora Bras. I. 2. p. 312.

Northern Brazil; French Guyana.

Hemitelia multiflora R. Br. Prodr. fl. Nov. Holl. 158.

var: α **guyanensis** Baker l. c. 313.

Saramacca River near Maripaston: KEGEL 1384 (*Hemitelia* ? *guyanensis* Hook ex Kunze, Linnaea XXI. p. 234.)

Surinam River near Joden Savanne: KEGEL 1050 (= *Hemitelia Kegelii* Kunze l. c. 235).

Surinam: SPLITGERBER ex Baker l. c.

Northern Brazil; Guyana.

var: γ . **Hostmanni** Baker l. c. 314.

Para district near Joden Savanne: FOCKE 354.

Upper Surinam River near Bergendal: FOCKE 369 (= *Hemitelia surinamensis* Miguel. Diar. Inst. Reg. Bat. 1843 p. 7).

Upper Commewyne River near plant. Canawappibo: SPLITGERBER 298 H. L. B. 904, 336—34, 35.

Upper Nickerie River: TULLEKEN 505 H. L. B. 902, 322—908. Guyana.

var: δ . **Parkeri** Baker l. c. 314.

Hemitelia Parkeri Hook Spec. Fil. I. 32.

Surinam: KAPPLER 1355 ex Baker l. c. 314.

Guyana.

ALSOPHILA R. Br.

Alsophila blechnoides Hook. Spec. Fil. I. 35.

Lower Surinam River near plant. Jagtlust: FOCKE 494.

Gonini River: VERSTEEG 178 in forests.

Surinam River near Joden Savanne: KEGEL 1057 ex Kunze l. c. 233.

Surinam: KAPPLER; HOSTMANN 1080.

Northern Brazil; Guyana.

Alsophila phalerata Mart. Icon. Crypt. Bras. 67 tab. 30.

Surinam: FOCKE 1174.

Lower Surinam River near plant. Geijersvlyt: KEGEL 609 (= *Alsophila infesta* Kunze l. c. 236).

Northern Brazil.

Alsophila ferox Presl. Tent. 62.

Paramaribo, pad van Wanica: SPLITGERBER 213. H. L. B. 904, 336—33.

Para district: SPLITGERBER 305 H. L. B. 904, 336—30.

Surinam: WEIGELT; KAPPLER 1773; WULLSCHLÄGEL 677 ex Baker l. c. 331.

All tropical America.

Alsophila armata Presl. Tent. Pter. 62.

Upper Tapanahoni River: VERSTEEG 844 in forests.

Upper Commewyne: FOCKE 193: SPLITGERBER, Tijdschrift Nat. Geschied. 429.

All tropical America.

POLYPODIACEAE.

NEPHRODIUM Rich.

Nephrodium subobliquatum Baker Flora Bras. I, 2 p. 469.

Surinam: HOSTMANN 15 ex Baker l. c.

Northern Brazil; British Guyana.

Nephrodium triste Hook. Spec. filic. IV. 104.

Surinam: HOSTMANN 466 ex Baker l. c. 476.

Brazil; British Guyana.

Nephrodium Rivoirei (Fée) emend. Diels. Natürl. Pflanzenfam. I. 4 p. 179.

Goniopteris Rivoirei Fée. Fil. Ant. t. 18. (forma parva).

Surinam: SPITGERBER in forests, ex Tijdschrift Nat. Geschied. p. 410
named *Polypodium crenatum Sw.*

Near plant. Quarta: KEGEL 127 ex Kunze l. c. 213; KAPPLER 1755 ex
Baker l. c. 505.

Northern Brazil.

Nephrodium androgynum (Poir) Diels l. c. 179.

Polypodium androgynum. Poir. Enc. V. 535. (1804).

var: α **tetragonum (Sw.) Baker** l. c. 505.

Polypodium tetragonum Sw. Fl. Ind. Occ. III. 1670.

Lower Surinam River near plant. Jagtlust: WENT 82 in forests; near
plant. Quarta: KEGEL 125 ex Kunze l. c. 213.

Paramaribo: SPLITGERBER l. c. 411 in forests; FOCKE 776 in ditches.

Surinam: HOSTMANN 465; KAPPLER 1775, 1776.

Northern Brazil; Guyana.

Nephrodium reticulatum (Sw.) Diels l. c. 179.

Meniscium reticulatum Sw. Syn. Filic. 19.

Para district: HOSTMANN and KAPPLER ed. Hohenacker 828 (= *Menis-*
cium sorbifolium W. in sched.).

Surinam: FOCKE 1091.

Saramacca River near Maripaston: KEGEL without number ex Kunze
l. c. 208.

Polypodium Hostmanni Klotzsch. Linnaea XX. p. 397 is a synonym of this species.

All tropical America.

Nephrodium serratum (Cav.) Diels l. c. 179.

Meniscium serratum Cav. Praelect. 1803 p. 548.

Lower Surinam River near plant. Meerzorg: FOCKE 462.

Para district near Beekhuizen: KEGEL 74 in ditches.

Upper Commewyne River: FOCKE 194.

Cottica district near Post Oranjewoud: FOCKE 556.

Upper Saramacca River on the riverside: PULLE 207.

Surinam: SPLITGERBER l. c. 398. common in forests.

All tropical America.

Nephrodium unitum (L.) R. Br. Prodr. Fl. Nov. Holl. 148.

Polypodium unitum L. spec. plant. 1548.

Lower Surinam River, near plant. Geijersvlyt: KEGEL 846 ex Kunze l. c. 232 (sub *Aspidium gongylodes* Schkuhr).

Paulus kreek: FOCKE 521.

All tropical countries.

Nephrodium parasiticum (L.) Desv. Ann. Linn. Soc. Par. VI. 260.

Polypodium parasiticum L. Spec. Plant. 1551.

Upper Tapanahoni River near Drie Tabbetje: VERSTEEG 671.

Lower Surinam River, near plant Jagtlust: WENT 85.

Lower Saramacca River near Groningen: WENT 239.

Surinam: FOCKE 856, 1108, 1173.

All tropical countries.

DIDYMOCHLAENA Desv.

Didymochlaena lunulata Desv. Mem. Soc. Linn de Par. VI. 282.

Lawa River near Cottica Mountains: VERSTEEG 303, 316.

All tropical countries.

ASPIDIUM Sw.

Aspidium trifoliatum (L.) Sw. Syn. fil. 43.

Polypodium trifoliatum Linn. Spec. plant. 1547.

Upper Saramacca River: KEGEL 1431 in forests ex Kunze l. c. 231.

Northern Brazil; French Guyana.

Aspidium macrophyllum Sw. Syn. fil. 43.

Lawa River near Cottica Mountains: VERSTEEG 326.

Lower Surinam River near plant. Jagtlust: FOCKE 461.

Paulus-kreek: FOCKE 461.

Paramaribo: KEGEL 241.

Lower Surinam River, near plant. Quarta: KEGEL 334 ex Kunze l. c. 231; near plant. Jagtlust: SPLITGERBER in Tijdschrift Nat. Geschied. VII. 413.

Surinam: HOSTMANN 239; KAPPLER 1734 ex Baker l. c. 490.

Tropical South-Amerika.

***Aspidium cicutarium* (L.) Sw. Syn. fil. 51.**

Polypodium cicutarium Linn. Spec. plant. 1549.

Paramaribo: VERSTEEG 53.

Upper Surinam River near Kompas: WENT 400; near Joden Savanne; KEGEL 1062 ex Kunze l. c. 232; near Blauwe Berg: SPLITGERBER l. c. 414.

Para district: FOCKE 90 and 92.

Nickerie River: TULLEKEN 473. H. L. B. 903, 322—1552.

Surinam: HOSTMANN 64; FOCKE 1079.

All tropical countries.

POLYSTICHUM Roth.

***Polystichum abbreviatum* (Schrad.) Presl. Epim. 58.**

Aspidium abbreviatum Schrad. Götting. gel. Anz. 1824. p. 869

Surinam: HOSTMANN 15 ex Baker l. c. 464.

Tropical and subtropical South-America.

CYCLODIUM Presl.

***Cyclodium meniscioides* (Willd.) Presl. Tent. 85 t. 2. fig. 20.**

Aspidium meniscioides Willd. Spec. plant. V. 218.

Lawa River, near Cottica Mountains: VERSTEEG 308.

Surinam River, near Joden Savanne: KEGEL ex Kunze l. c. 231.

Commewyne River: KAPPLER.

Surinam: FOCKE 1088; KAPPLER H. L. B. 903, 322—514; KAPPLER 1746b.

Northern Brazil and Guyana.

POLYBOTRYA H. B. K.

***Polybotrya caudata* Kunze Linnaea IX. 23.**

Lower Surinam River near plant. Quarta: KEGEL 719; near plant.

Geijersvlyt: KEGEL 616 ex Kunze l. c. 206, named *Olfersia caudata* Kze.

Upper Surinam River, near plant. Cassipoura: TULLEKEN 155. H. L. B. 903, 322—1395.

Upper Commewyne River, near plant. Canawappibo: SPLITGERBER l. c. 392.

Surinam: HOSTMANN 1746 ex Baker l. c. 586.

Tropical South-America.

var: *β. pubens* (Mart.) Hook. Spec. Fil. V. 244.

Polybotrya pubens Mart. Icon. Crypt. bras. 87 t. 25.

Lower Surinam River near plant. Jagtlust: SPLITGERBER l. c. 391.

Northern Brazil.

OLEANDRA Cav.

Oleandra neriiformis Cav. Prael. 1801. n. 623.

var: *β. pilosa*. Baker. Flora Bras. l. 2. p. 494.

Oleandra pilosa Hook. Gen. fil. t. 25 B.

Upper Surinam River near Bergendal: FOCKE 356.

Para district near plant. Berlijn on trees: SPLITGERBER l. c. 412, named:

Aspidium pendulum Splitg. Tijdschrift Nat. Geschied en Phys.
VII. p. 412.

Lower Saramacca River near Maripaston: KEGEL 1377 ex Kunze l. c. 230
named: *Aspidium pendulum* Splitg., on trees.

Surinam: KAPPLER H. L. B. 903, 322—511.

All tropical South-America.

Oleandra nodosa Presl. Tent. 157.

Upper Surinam River near Bergendal: FOCKE 356; near Blauwe Berg:

SPLITGERBER l. c. 412, named: *Aspidium nodosum* Willd.

Commewyne River: KAPPLER.

Saramacca River, near Maripaston: KEGEL 1378 ex Kunze l. c. 230.

Para district near plant l'Inquiétude: KAPPLER 1747 ex Kunze l. c. 230.

Guyana; West-Indian Islands.

NEPHROLEPIS Schott.

Nephrolepis exaltata Schott. Gen. fasc. 1.

Upper Litanie River, near Mount Knopamoie: VERSTEEG 384.

Upper Surinam River, near Bergendal: FOCKE 355, named: *Nephrolepis*
semihastata Miquel in schedul. on trees.

Saramacca River near Maripaston: KEGEL 1379, named: *Nephrolepis*
valida Kunze l. c. 229; near Mindrinetti: PULLE 51, on trees.

Surinam: SPLITGERBER l. c. 416, named: *Nephrodium exaltatum* R. Br.

All tropical countries.

var: *β. biserrata* (Sw.) Baker l. c. 493.

Aspidium biserratum Swartz in Schrad. Journ. 1800 II. 32.

Paramaribo: KEGEL 167 ex Kunze l. c. 229, named: *Nephrolepis ensi-*
folia Presl. Tent. p. 79.

Surinam River, near Orellana-kreek: FOCKE 651.

Surinam: SPLITGERBER l. c. 417 named: *Aspidium biserratum* Sw.

Northern Brazil.

var: γ . ***hirsutula* (Forst) Baker.**

Polypodium hirsutulum Forst. Prodr. n. 439.

Surinam river, near Joden Savanne: SPLITGERBER l. c. 415, named:
Nephrodium rufescens Splitg.

Northern Brazil.

LINDSAYA Dry.

***Lindsaya stricta* Dryand.** Trans. Linn. Soc. III. 42.

Paramaribo: SPLITGERBER 108. H. L. B. 904, 336—47 in forests
(=*Lindsaya pusilla* Splitg. Tijdschrift Nat. Geschied VII. p. 423.)

Para district near Joden Savanne: KEGEL 1052 ex Kunze l. c. 228.
Surinam: FOCKE 1082; KAPPLER 1737.

Tropical South-America.

***Lindsaya guyanensis* (Aubl.) Dryand.** Trans. Linn. Soc. III. 42.

Adiantum guyanense Aubl. Plant. Guyan. 963 t. 365.

Paramaribo, Oude Rijkweg: KEGEL 405; Poelcphantje: KEGEL 406, named:
L. rubescens Kze. l. c. 227.

Surinam River near Joden Savanne: KEGEL 1076; near Sornau-kreek:
KEGEL 1066 ex Kunze l. c. 225, named: *Lindsaya pumila* Klotzsch.

Surinam: TULLEKEN 473 H. L. B. 903, 322—1553; KAPPLER 1738 ex
Baker l. c. 354.

Upper Surinam River, near Blauwe Berg: SPLITGERBER in forests
l. c. 425.

Tropical South-America.

***Lindsaya dubia* Spreng.** Syst. vegetab. IV. 79.

Upper Surinam River near Morningstar-kreek: WENT 509.

Surinam: KAPPLER 1757.

Amazon district, Guyana.

***Lindsaya trapeziformis* Dryand.** Trans. Linn. Soc. III. 42 t. 9.

Paramaribo, Oude Rijkweg: KEGEL 697 ex Kunze l. c. 225.

Surinam River near Joden Savanne: KEGEL 1051 ex Kunze l. c.

Upper Surinam River near Bergendal: FOCKE 1081; near Blauwe
Berg: SPLITGERBER l. c. 424.

Commewyne River: KAPPLER.

Upper Commewyne district, near plant. Waiampibo: SPLITGERBER 496
H. L. B. 904, 336—44, 45, 46, named: *L. nitidissima* Rich.

Surinam: HOSTMANN 96, 108 ex Baker l. c. 356.

All tropical countries, excepted Africa.

var: δ . ***falcata* (Dryand) Baker.**

Lindsaya falcata Dryand. Trans. Linn. Soc. III. 41. t. 7. fig. 2.

Surinam River near Joden Savanne: KEGEL 1067 ex Kunze l. c. 224.

Upper Nickerie River: TULLEKEN 512 H. L. B. 903, 322—1006.

Surinam: KAPPLER 1353.

Brazil; Guyana.

DIPLAZIUM Sw.

Diplazium celtidifolium Kze. Botan. Zeit. III. 285.

Lawa River, near Cottica Mountains: VERSTEEG 324.

Subtropical Brazil, West-Indian Islands, Columbia, and Ecuador.

Diplazium radicans (Schk.) Desv. Ann. Soc. Linn. Par. VI. 281.

Asplenium radicans Schkuhr Crypt. 70 t. 76.

Lawa River, near Cottica Mountains: VERSTEEG 317

All tropical South-America.

ASPENIUM L.

Asplenium angustum Swartz. Stockh. Vet. Akad. Handl. VI. 6. t. 4. fig. 1.

Saramacca River, near Maripaston: KEGEL 1380 et 1381 ex Kunze l. c. 215.

Surinam: HOSTMANN 183 and 618; WEIGELT; WULLSCHLÄGEL ex Baker l. c. 431.

Northern Brazil; Guyana.

Asplenium serratum Linn. Spec. plant. 1538.

Gonini River: VERSTEEG 73.

Upper Tapanahoni River: VERSTEEG 852

Lower Surinam River near plant. Jagtlust: WENT 72.

Upper Saramacca River, near Janbasigado: PULLE 412.

Lower Saramacca River, near Maripaston: KEGEL 348 ex Kunze l. c. 215.

Upper Nickerie River: TULLEKEN 393 H. L. B. 903, 322—1597.

Surinam: SPLITGERBER ex Tijdschrift etc. l. c. 418; FOCKE 199, 495.

All tropical America

Asplenium salicifolium Linn. Spec. plant. 1538.

Lower Surinam River near plant. Jagtlust: SPLITGERBER 450 H. L. B. 904, 336—37.

Saramacca River near Maripaston: KEGEL 1063 (= *Asplenium Kapplerianum* Kze l. c. 216.)

Surinam: FOCKE 1169; KAPPLER 1769 ex Kunze l. c.

All tropical South-America.

Asplenium auritum Sw. Fl. Ind. Occ. III 1816.

Upper Tapanahoni River: VERSTEEG 846.

Upper Saramacca River: PULLE 480.

Saramacca River: KEGEL 1439 ex Kunze l. c. 217, named: *A. umbrosum* Kaulf.

All tropical South-America.

- Asplenium auriculatum** Swartz. Stockh. Vet. Akad. Handl. 1817 p. 68.
 Lower Surinam River near plant. Jagtlust: SPLITGERBER 450 H. L. B. 904, 336—39 named: *A. salicifolium* L. var. β . *semicordatum* Splitg. Tijdschrift p. 419.
 Upper Saramacca River: PULLE 482a.
 Lower Saramacca River near Maripaston: KEGEL 1073 ex Kunze l. c. 216, named *Asplenium falx* Desv.
 Surinam: FOCKE 339, 327; KAPPLER 1768.
 Tropical South-America.

BLECHNUM L.

- Blechnum serrulatum** Rich. Act. Soc. Hist. Nat. Par. l. 114.
 Upper Tapanahoni River: VERSTEEG 555.
 Paramaribo; Laan van Tourtonne: KEGEL 380 ex Kunze l. c. 214.
 Upper Commewyne River: FOCKE 197.
 Saramacca River: FOCKE 298; KEGEL 380 ex Kunze l. c.
 Surinam: SPLITGERBER ex Tijdschrift p. 426, named: *Blechnum angustifolium* Willd.
 All tropical countries.

STENOCHLAENA J. Sm.

- Stenochlaena sorbifolia** (Linn.) J. Smith in Hook. Journ. of Bot. III 401.
Acrostichum sorbifolium Linn. Spec. plant. 1526.
 Paramaribo, near Poelepantje: KEGEL 87 ex Kunze l. c. 207, named: *Acrostichum phlebodes* Kze.
 Upper Commewyne district, near plant. Canawappibo: SPLITGERBER ex Tijdschrift p. 394 named: *Acrostichum erythrodes* Kze.
 Saramacca River, near Maripaston: KEGEL 87 ex Kunze l. c.
 Upper Nickerie River: TULLEKEN 496 H. L. B. 903, 322—1029 and 460 H. L. B. 903, 322—1582.
 Surinam: HOSTMANN 188 ex Baker l. c. 584.
 All tropical countries.

NEUROGRAMME Link.

- Neurogramme rufa** (Linn.) Link. Spec. fil. 137.
Acrostichum rufum Linn. Spec. plant. 1525.
 Upper Tapanahoni: River VERSTEEG 837, on mountains.
 Brazil; British Guyana.
Neurogramme calomelanos (Kaulf.) Diels. Nat. Pflanzenfam. l. 4. p. 264.
Gymnogramme calomelanos Kaulf. Enum. fil. 76.
 Lower Marowynne River near Albina: TULLEKEN 598 H. L. B. 903, 322—1212.
 Paramaribo near plant. Tourtonne: KEGEL 325 ex Kunze l. c. 208.

Paramaribo : FOCKE 91.

Para district : FOCKE 89.

Upper Commewyne district : FOCKE 191.

Surinam: SPLITGERBER 1068 H. L. B. 904, 336—40, 41, 42, 43 ;

HOSTMANN 247 and 309.

Tropical America and Africa.

ADIANTOPSIS Fée.

Adiantopsis radiata (L.) Fée. Gen. fil. 145.

Adiantum radiatum Linn. Spec. plant. 1556.

Upper Nickerie River : TULLEKEN 379 H. L. B. 903, 322—1114.

All tropical South-America.

NOTOCHLAENA R. Br.

Notochlaena squamosa (Gill.) Fée Cat. Lith. Foug. Mex. 10.

Cheilanthes squamosa Gillies ex Hook et Grev. Icon. Filic. t. 151.

HOSTMANN 199 ex Baker l. c. 541.

Central America ; Peru.

ADIANTUM L.

Adiantum platyphyllum Swartz. Stockholm Vet. Akad. Handl. 1817
p 74 tab. 3 fig. 6.

Gonini River : VERSTEEG 49.

Para district near plant. Beekhuizen : KEGEL 102 ex Kunze l. c. 221
named *A. Kaulfusii* Kze.

Surinam: WULLSCHLÄGEL ex Baker l. c. 364.

Tropical South-America.

var: γ . *Aubletii* Baker l. c. 364.

Surinam: WULLSCHLÄGEL ex Baker l. c.

French Guyana.

Adiantum intermedium Swartz. Stockh. Vet. Akad. Handl. 1817 p. 76.

Paramaribo, near Poelepantje : KEGEL 75 ; near Quarta : KEGEL 128 ex.
Kze l. c. 221.

Surinam River near Joden Savanne : KEGEL 1065 ex Kze l. c. 221,
named : *A. macrodon* Kaulf.

Sara-kreek : WENT 502.

Upper Surinam River, near Blauwe Berg : SPLITGERBER 891. H. L. B.
904, 336—12

Upper Commewyne River near plant. Canawappibo : SPLITGERBER 290
H. L. B. 904, 336—10 named : *Adiantum argutum* Splitg. Tijdschrift
VII. p. 427.

Saramacca River, near Groningen : WENT 240.

Upper Nickerie River; TULLEKEN 319 H. L. B. 903, 322—1031.
 Lower Nickerie River: TULLEKEN 286 H. L. B. 903, 322—1074.
 Upper Nickerie River: TULLEKEN 423 H. L. B. 903, 322—1574.
 Surinam: FOCKE H. L. B. 904, 336—4; FOCKE 1086, 1085, 1171, 190;
 HOSTMANN 710; WEIGELT ex Baker l. c. 366.
 All tropical countries.

***Adiantum glaucescens* Klotzsch.** Linnaea XVIII. 552

Surinam: FOCKE 1087, named *A. violascens* Miq. MSS. in sched.
 Saramacca River, near Maripaston: KEGEL 1383 ex Kunze l. c. 222.
 North-Brazil; Guyana.

***Adiantum polyphyllum* Willd.** Spec. plant. V. 454.

Surinam River near Joden Savanne: KEGEL 1074 ex Kze l. c. 224,
 named: *A. tomentosum* Klotzsch.
 Surinam: KAPPLER 1733c ex Kunze l. c.
 Tropical South-America.

***Adiantum serrato-dentatum* Willd.** Spec. plant. V. 445.

Para district: FOCKE 87 and 86, named: *A. Kunzei* Miq. Diar. Inst.
 Reg. Batav. 1843 p. 5 t. 1.
 Upper Surinam River; near placer l'Union: WENT 511.
 Surinam: HOSTMANN 181 H. L. B. 904, 336—15, 16; FOCKE 170 H. L. B.
 904, 336—14.
 All tropical America and Africa.

***Adiantum hirtum* Klotzsch.** Linnaea XVIII 563.

Upper Surinam River, near Bergendal: FOCKE 370, 1090.
 Lower Commewyne River: KAPPLER.
 Saramacca River, near Maripaston: KEGEL 1060 ex Kunze l. c. 222,
 named: *A. terminatum* Kze.
 Upper Coppename River: BOON 1186.
 Surinam: KAPPLER 1477^d. ex Kze l. c.; HOSTMANN 93 and 843 ex
 Baker l. c. 373.
 Northern Brazil; Guyana.

***Adiantum tetraphyllum* Willd.** Spec. plant. 1557.

Upper Tapanahoni River: VERSTEEG 840.
 Paramaribo, near Poelephantje: KEGEL ex Kunze l. c. 224, named:
A. pachysorum Reichb. in Weigelt. plant. Surin.
 Paramaribo: SPLITGERBER 152 H. L. B. 904, 336—19 and 378 H. L. B.
 904, 336—20.
 Surinam River, near Joden Savanne: KEGEL 1061 ex Kunze l. c. 223,
 named: *A. cayenense* Willd.
 Para district: FOCKE 93.
 Upper Surinam River: FOCKE 357; near Blauwe Berg: SPLITGERBER

889 H. L. B. 904, 336—5, 6, 7 named: *A. hirtum* Splitg. in Tijdschrift VII. p. 428.

Upper Saramacca River, near Janbasigado: PULLE 167.

Lower Coppename River: WENT 146.

Upper Coppename River, near Raleigh-falls: BOON 1022.

Upper Nickerie River: TULLEKEN 449 H. L. B. 903, 322—1560.

Surinam: FOCKE 1088; HOSTMANN 843; KAPPLER 1732.

All tropical America and Africa.

***Adiantum pulverulentum* Linn. Spec. plant. 1559.**

Lawa River, near Cottica Mountains: VERSTEEG 340.

Upper Nickerie River: TULLEKEN 407 H. L. B. 903, 322—1510

All tropical South-America.

***Adiantum villosum* Linn. Spec. plant. 1558.**

Paramaribo, near Poelephantje: KEGEL ex Kze l. c. 223.

All tropical America.

***Adiantum dolosum* Kze. Linnaea XXI 219**

Upper Surinam near Bergendal: FOCKE 1291, 1318.

Saramacca River, near Maripaston: KEGEL 1382 ex Kunze l. c.

Guyana.

PTERIS Linn.

***Pteris deflexa* Link. Hort. Berol. II. 30.**

Surinam: MENZE ex Baker l. c. 402.

All tropical South-America.

***Pteris denticulata* Swartz. Prodr. 129.**

var. *β. brasiliensis* (Raddi) Baker l. c. 410.

Pteris brasiliensis Raddi Syn. fil n. 111.

Lawa River, near Cottica: VERSTEEG 328.

Brazil: West-Indian Islands.

***Pteris aculeata* Swartz. Prodr. 129.**

var. *β. propinqua* (Ag.) Baker l. c. 412.

Pteris propinqua Agardh. Rec. Pter. 65.

Paramaribo, near Poelephantje: KEGEL 86 ex Kze l. c. 217., named:

Pteris biformis Splitgerber.

Upper Surinam district, near plant. Merveille: SPLITGERBER, named:

Pteris biformis Splitg. in Tijdschrift VII. p. 422.

Surinam: HOSTMANN 730.

All tropical America.

PTERIDIUM Gled.

***Pteridium aquilinum* (L.) Kuhn ex Diels Nat. Pflanzenf. I. p. 296.**

Pteris aquilina Linn.

var. *β. arachnoideum* Baker l. c. 403.

Pteris arachnoidea Kaulf. Enum. Filic. 190.

Para district, near Onoribo: FOCKE 912; SPLITGERBER 628 H. L. B. 904, 336—21, near Joden Savanne: KEGEL 1049 ex Kze l. c. 218.

All tropical countries.

MONOGRAMME Schk.

Monogramme seminuda (Willd) Baker in Hook. Bak. Syn. Filic. 375.

Blechnum seminudum Willd. Phytol. 13 t. 8 fig. 2.

Para district: FOCKE 649.

Saramacca, near Maripaston: KEGEL 643 ex Kunze l. c. 214 named:

Taenitis linearis Kaulf.

Surinam: KAPPLER 1759 ex Kunze l. c.

All tropical America.

VITTARIA Sm.

Vittaria lineata Sw. Syn. fil. 109.

Commewyne River: KAPPLER.

Surinam: SPLITGERBER ex Tijdschrift etc. 420; FOCKE 612; FOCKE 498.

All tropical America.

Vittaria angustifolia (Sw.) Baker l. c. 544

Pteris angustifolia Swartz Fl. Ind. Occ. III. 1599.

Paramaribo: KEGEL 165 ex Kze l. c. 214 named: *Taenitis angustifolia* Spr.; WENT 263.

Surinam: HOSTMANN 1101; KAPPLER 1742 ex Kze l. c.; SPLITGERBER ex Tijdschrift 400.

All tropical America.

HECISTOPTERIS J. Sm.

Hecistopteris pumila (Spreng.) J. Sm. London Journ. of Botany I. 193.

Gymnogramme pumila Spreng. Syst. Veg. Suppl. 31.

Paramaribo: KEGEL 2, ex Kunze l. c. 208, named: *Gymnogramme pumila* Spreng.

Surinam: SPLITGERBER l. c. 396; HOSTMAN 199; KAPPLER 1761 ex Kze l. c.; WEIGELT ex Baker l. c. 552.

ANTROPHYUM Kaulf.

Antrophyum lanceolatum Kaulf. Enum. fil. 198.

Saramacca River near Maripaston: KEGEL ex Kunze l. c. 218.

Guyana; Central-America; Columbia.

Antrophyum subsessile Kunze. Anal. 29 t. 19 fig. 1.

Commewyne River: KAPPLER.

Para district: KEGEL 873 ex Kze l. c. 218, named: *A. cayennense* Kaulf.
 Saramacca River, near Maripaston: KEGEL 873 ex Kze l. c.
 Surinam: FOCKE 1230; DUMORTIER; KAPPLER 1740 ex Kze l. c.
 Northern Brazil; Guyana.

ANETIUM Splitg.

Anetium citrifolium (L.) Splitgerber. Tijdschrift v. Nat. Gesch VII. p. 395.
Acrostichum citrifolium Linn Spec. plant. 1513.
 Saramacca River: SPLITGERBER 827 H. L. B. 904, 336—36; KEGEL 1434.
 ex Kunze l. c. 206.

DICRANOGLOSSUM J. Sm.

Dicranoglossum furcatum (Linn.) J. Sm. London Journ. of Bot. I.
Pteris furcata Linn. Spec. plant. 1531.
 Upper Gonini River: VERSTEEG 74.
 Para district: WENT 408.
 Paramaribo: KEGEL 124, ex Kze l. c. 214, named: *Taenitis Desvauxii*
Klotzsch.
 Surinam River, near Orellana-kreek: FOCKE 727.
 Surinam: HOSTMANN 95; SPLITGERBER ex Tijdschrift 401, named: *Taenitis*
furcata Willd; KAPPLER.
 All tropical America.

POLYPODIUM Linn.

Polypodium serrulatum Metten. Fil. Hort. Lips. 30.
 Paramaribo, Oude Rijkweg: KEGEL 642 ex Kunze l. c. 209, named:
Xiphopteris serrulata Kaulf.
 Para district, near Onoribo: SPLITGERBER ex Tijdschrift p. 399.
 Surinam: HOSTMANN 24.
 All tropical America.

Polypodium Kegelianum Kunze. Linnaea XXI. p. 210.
 Surinam River, near Sornau-kreek: KEGEL 1072 ex Kunze l. c.

Polypodium pendulum Sw. Syn. fil. 33.
 Para district: SPLITGERBER 971 H. L. B. 904, 336—48.
 All tropical South-America.

Polypodium cultratum Willd. Spec. plant. V. 187.
 Upper Tapanahoni River: VERSTEEG 762.
 Commewyne River: KAPPLER.
 All tropical America.

Polypodium jubaeforme Kaulf. in Regensb. Flora 1823.
 Surinam: HOSTMANN 74; WULLSCHLÄGEL; WEIGELT ex Baker l. c. 511.
 Northern Brazil; Central-America.

***Polypodium elasticum* Rich.** Ann. Soc. Hist. Nat. Paris. 114.

Lawa River, near Cottica Mountains: VERSTEEG 333.

Upper Saramacca River: PULLE 483.

Upper Coppename River: BOON 1245.

All tropical and subtropical South-America.

***Polypodium brasiliense* Poir.** Enc. Bot. V. 525.var: α . ***neriifolium* Baker** l. c. 524

Tapanahoni River: VERSTEEG 643.

var: β . ***attenuatum* (H. B. K.) Baker.***Polypodium attenuatum* H. B. K. Nov. Gen. et Spec. I. 10.

Lower Surinam River, near plant. Jagtlust: SPLITGERBER ex Tijdschrift 406.

Lower Saramacca River, near Maripaston: KEGEL 1376, ex Kunze l. c. 212.

Surinam: FOCKE 497, 751.

All tropical America.

***Polypodium aureum* Linn.** Spec. plant. 1546.

Paramaribo: KEGEL 498 ex Kunze l. c. 211; near plant. Tourtonne: FOCKE 759; 313, 493.

Surinam: SPLITGERBER ex Tijdschrift p. 404; HOSTMANN 945; KAPPLER 1731.

Tropical and sub-tropical America.

***Polypodium decumanum* Willd.** Spec. plant. V. 170.

Paramaribo, Laan van Tourtonne: KEGEL 447, ex Kze l. c. 211.

Northern Brazil, West-Indian Islands, Guyana.

***Polypodium Phyllitidis* Linn.** Spec. plant. 1543.

Paramaribo, near plant. Quarta: KEGEL 168; near Oude Rijweg: KEGEL 699 ex Kunze l. c. 210.

Para district, near Kompas: WENT 401.

Upper Saramacca River: PULLE 433.

Surinam: SPLITGERBER ex Tijdschrift p. 407; HOSTMANN 106.

Tropical and sub-tropical America.

var. β ***repens* (Aubl.) Baker** l. c. 532.*Polypodium repens* Aubl. Plant. Guyan. 962

Gonini River: VERSTEEG 198.

Northern Brazil; Guyana.

***Polypodium crassifolium* Linn.** Spec. plant 1543.

Saramacca River, near Maripaston: KEGEL 1053 ex Kunze l. c. 210.

Coppename River: BOON 1225.

Surinam: FOCKE; KAPPLER 1743 ex Kunze.

All tropical America.

Polypodium lycopodioides Linn. Spec. plant. 1542.

var: *γ. surinamense* (Jacq.) Baker l. c. 533.

Polypodium surinamense Jacq. Coll. III. 285 t. 21 fig. 4.

Lower Marowynne River: WENT 456.

Upper Tapanahoni River: VERSTEEG 598.

Paramaribo: FOCKE 799; near Poelepantje: KEGEL 169; near Quarta: KEGEL 608 ex Kunze l. c. 209, named: *Polypodium salicifolium* Willd.

Paulus-kreek: FOCKE 799

Saramacca River near Maripaston: KEGEL 1043.

Upper Saramacca River: PULLE 491.

Upper Coppename River: BOON 1243.

Surinam: SPLITGERBER ex Tijdschrift p. 403, named: *P. salicifolium* Willd.; HOSTMANN 163 and 1169 ex Kze l. c.

Northern Brazil; Guyana.

Polypodium persicariaefolium Schrad. in Gött. Gel. Anz. 1824 p. 667.

Upper Litanie River: VERSTEEG 379.

Upper Tapanahoni River: VERSTEEG 730.

Paramaribo: KEGEL 81 ex Kze l. c. 209.

Orellana-kreek: FOCKE 726.

Surinam: SPLITGERBER ex Tijdschrift pg. 401, named: *Microgramme persicariaefolia* Presl.

Tropical South-America.

LEPICYSTIS J. Sm.

Lepicystis piloselloides (L.) Diels. Nat. Pflanzenf. l. 4. p. 323.

Polypodium piloselloides Linn. Spec. plant. 1542.

Upper Tapanahoni River: VERSTEEG 658.

Surinam: WEIGELT; WULLSCHLÄGEL; KEGEL 4, 91, 490 ex Kunze l. c., named: *Polypodium ciliatum* Willd.: SPLITGERBER ex Tijdschrift p. 405;

HOSTMANN 324 ex Kunze l. c.

Tropical America.

Lepicystis incana (Sw.) J. Sm. in Hook. Journ. of Bot. IV. 56.

Polypodium incanum Swartz. Syn. fil. 35.

Saramacca River: KEGEL 1239 ex Kunze l. c. 211, named: *P. incanum* Sw.; SPLITGERBER ex Tijdschrift l. c. 405.

Tropical and sub-tropical America; South-Eastern Africa

Lepicystis lanceolata (L.) Diels. Nat. Pflanzenf. l. 4. p. 323.

Polypodium lanceolatum Linn. Spec. plant. 1542.

Paramaribo: FOCKE 650, 83.

Para district, near Onoribo: FOCKE 914.

Surinam: SPLITGERBER ex Tijdschrift p. 398, named *Grammitis squamulosa* Splitgerber

All tropical countries.

Lepicystis percussa (Cav.) Diels. Nat. Pflanzenf. I. 4. p. 323.

Polypodium percussum Cav. Prael. 1801 p. 243

Upper Gonini River: VERSTEEG 180.

Upper Tapanahoni River, near Mount Teeboe: VERSTEEG 782.

Paramaribo: FOCKE 84; WENT 490; KEGEL 159; ex Kunze l. c. 213

Para district, near Kompas: WENT 364.

Lower Commewyne River, near plant. Nijd en Spijt: TULLEKEN 145.

H. L. B. 903, 322—1181.

Lower Saramacca River: PULLE 114; KEGEL 160 ex Kze l. c.

Upper Saramacca River: PULLE 192.

Upper Coppename River: BOON 1231.

Surinam: FOCKE; SPLITGERBER ex Tijdschrift p. 402; Dr. VOLTZ

Tropical South-America.

ELAPHOGLOSSUM Schott.

Elaphoglossum flaccidum (Fée) Moore. Ind. fil. 356.

Acrostichum flaccidum Fée. Acrost. 37 t. 7.

Commewyne River: KAPPLER.

Northern South-America.

Elaphoglossum latifolium (Sw.) J. Smith. Hook Spec. fil. V. 202.

Upper Saramacca River: PULLE 482.

Lower Saramacca River: KEGEL 1064 ex Kunze l. c. 207, named:

Acrostichum Schomburgkii Fée.

All tropical America.

Elaphoglossum scolopendrifolium (Raddi.) J. Smith. Bot. Mag. 1846. App. 17.

Acrostichum scolopendrifolium Raddi. Fil. Bras. 4 t. 16.

Surinam: HOSTMANN 1082.

Tropical South-America; West-Indian Islands.

ACROSTICHUM L.

Acrostichum aureum Linn. Spec. plant 1525.

Paramaribo, Laan van Tourtonne, in ditches: KEGEL 901 ex Kunze

l. c. 207, named: *A. inaequale* Willd.; WENT 412; VERSTEEG 538.

Surinam: SPLITGERBER H. L. B. 904, 336—1; HOSTMANN 326. H. L. B.

904, 336—3; FOCKE 315.

All tropical and sub-tropical countries

PARKERIACEAE.

CERATOPTERIS Brongn.

Ceratopteris thalictroides (Linn.) Brongn. in Dict. Sc. Nat. III. 350.

Acrostichum thalictroides Linn. Spec. plant 1527.

Paramaribo; near Laan van Tourtonne: KEGEL 622, in ditches ex
Kunze l.c. 206.

Surinam: HOSTMANN 55 ex Kze l.c.; SPLITGERBER ex Tijdschrift p.
432, in water.

All tropical countries.

GLEICHENIACEAE.

GLEICHENIA Sm.

Gleichenia pectinata Presl. Reliq. Hänk. I. 71.

Surinam: HOSTMANN 815; WULLSCHLÄGEL 667 ex Sturm. Flora Bras.

l. p. 2. pg. 229. DUMORTIER, without number.

Surinam River near Joden Savanne: KEGEL 1056 ex Kze l. c. 203,
named *Mertensia glaucescens* H. B. K.

Tropical South-America.

SCHIZAEACEAE.

SCHIZAEA Sm.

Schizaea subtrijuga Mart. Icon plant. crypt. bras. 117.

Paramaribo, Oude Rijkweg: KEGEL 379 ex Kze l. c. 204.

Northern Brasil, Guyana.

Schizaea pennula Swartz. Syn. fil. 150 and 359.

Paramaribo, Oude Rijkweg: KEGEL 452 ex Kze l. c. 204.

Surinam River, Joden Savanne: SPLITGERBER. Tijdschrift p. 433
named: *Schizaea trilobata* Schkuhr, in savannas.

Surinam: HOSTMANN 566; KAPPLER 1745 ex Sturm l. c. 180; WULLSCHLÄGEL 1202; FOCKE 1095.

All tropical America.

Schizaea incurvata Schkuhr. Farrnk. 138 t. 137.

Para district, Joden Savanne: KEGEL 1077 ex Kze l. c. 204; SPLITGERBER
ex Tijdschrift p. 434 named *S. bifida* Sw.

Upper Para River: FOCKE 100.

Surinam: WULLSCHLÄGEL 1203; HOSTMANN 623.

Northern Brasil, Guyana.

Schizaea flabellum Mart. Icon. pl. crypt. bras. 115 t. 55 fig. 2.

Upper Surinam River: KAPPLER 1739 ex Sturm l. c. 183.

Joden Savanne: WULLSCHLÄGEL 1201 ex Sturm l. c.

Northern Brasil, Guyana.

Schizaea elegans Swartz. Syn. fil. 151.

Paramaribo: FOCKE 915; KEGEL 163 ex Kze l. c. 205; WULLSCHLÄGEL 690
and 699 ex Sturm l. c. 184.

Surinam: HOSTMANN 304 ex Sturm l. c. 184; SPLITGERBER ex Tijdschrift p. 933.

All tropical America.

LYGODIUM Sw.

Lygodium volubile Swartz. Syn. fil. 152.

Lower Marowyne River, near Albina: VERSTEEG 30.

Paramaribo: WENT 295; SPLITGERBER ex Tijdschrift p. 435.

Lower Surinam River: FOCKE 466.

Lower Commewyne River: FOCKE 398, named *Lygodium surinamense* Miq. in sched.

Upper Saramacca River: PULLE 113.

Surinam: KAPPLER H. L. B. 903, 322—507; WEIGELT, named *Lygodium polymorphum* in sched.; WULLSCHLÄGEL 665 ex Sturm l. c. 178.

Tropical America.

Lygodium hastatum Desv. Prodr. fil. in Ann. Soc. Linn. de Paris VI. 204.

Paramaribo: KEGEL 1 ex Kunze l. c. 203.

Surinam: KAPPLER 1778 and 1779 ex Kze l. c.

Brazil.

Lygodium venustum Swartz. in Schrad. Journ. 1801 II. 303.

Paramaribo: SPLITGERBER ex Tijdschrift p. 436 named: *Lygodium polymorphum* H. B. K.; KEGEL 364 ex Kunze l. c. 203

Surinam: FOCKE 1106, 1284; KAPPLER 1777 and 1412 ex Kze l. c. 203.

Tropical America

ANEIMIA Sw.

Aneimia oblongifolia Swartz. Syn. fil. 156.

Upper Tapanahoni River, near Mount Teeboe: VERSTEEG 781.

Tropical South-America.

SALVINIACEAE.

SALVINIA Linn.

Salvinia auriculata Aubl. Plant. Guyan. II. 969 t. 367.

Paramaribo, near plant. Quarta in water: KEGEL 101 ex Kze
l. c. 241, named *Salvinia hispida* H. B. K.; near plant. Jagtlust:
WENT 39.

Surinam: FOCKE 95.

Tropical and sub-tropical America.

AZOLLA Lam.

Azolla caroliniana Willd. Spec. pl. V. 541.

Paramaribo, near Oude Rijkweg: KEGEL 637 ex Kunze l. c. 241, named
Azolla cristata Kaulf.

Tropical and sub-tropical America.

M A R A T T I A C E A E.

DANAEA Sm.

Danaea simplicifolia Rudge. Plant. Guyan. rar ic. et descr. 24. t. 36.
Surinam: WULLSCHLÄGEL 1715 ex Sturm Flora Bras. I. 2 p. 155.
Guyana.

Danaea trifoliata Reichb. Mss. in Plant. Weigelt.
Surinam River near Victoria: KAPPLER 1754.
Surinam: HOSTMANN 1166; WEIGELT ex Sturm. l. c. p. 156.

OPHIOGLOSSACEAE.

OPHIOGLOSSUM L.

Ophioglossum ellipticum Hook. et Grev. Icon fil. I. tab. 40.

Paramaribo, near Oude Rijkweg: KEGEL 429 ex Kunze l. c. 203, named
O. nudicaule L.; FOCKE 1425.

Lower Surinam River near plant. Rust en Werk: SPLITGERBER ex
Tijdschrift p. 440.

Surinam: HOSTMANN 521; WEIGELT ex Sturm l. c. 145.

Brazil and Guyana.

Ophioglossum reticulatum Linn. Spec. plant. 1518.

Paramaribo near Oude Rijkweg: KEGEL 430 ex Kunze l. c. 203.

All tropical countries.

LYCOPODIACEAE.

LYCOPODIUM L.

Lycopodium linifolium Linn. Sp. pl. 1563.

Paramaribo: KEGEL 321 ex Kunze l. c. 202.

Surinam: SPLITGERBER ex Tijdschrift pg. 441; HOSTMANN 1199 ex Kze l. c.

All tropical America.

Lycopodium dichotomum Jacq. Hort. Vind. III. 26 t. 45.

Paramaribo near plant. Quarta: KEGEL 82 ex Kze l. c. 202, named *L. dichotomum* Sw. var. *pusillum* Spring.

All tropical America.

Lycopodium passerinoides H. B. K.

Surinam River near Sornau-kreek: KEGEL 222 ex Kunze l. c. 202.

All tropical America.

Lycopodium carolinianum Linn. Spec. plant. 1567.

Para district near Onoribo: SPLITGERBER ex Tijdschrift p. 442.

Upper Surinam district near Joden Savanne: KEGEL 1001 ex Kze l. c. 202.

Surinam: HOSTMANN 1155 et 1157.

All tropical and sub-tropical countries.

Lycopodium cernuum L. Spec. pl. 1566.

Paramaribo near Poelepantje: KEGEL 166 ex Kze l. c. 202.

Paramaribo: SPLITGERBER ex Tijdschrift p. 442

Upper Commewyne River: FOCKE 192.

All tropical countries.

SELAGINELLACEAE.

SELAGINELLA. Spring.

Selaginella flabellata (L.) Spring. Mon. II. 174.

Lycopodium flabellatum Linn.

Upper Nickerie River: TULLEKEN 333 H. L. B. 903, 322—1063 and
TULLEKEN 510; H. L. B. 903, 322—993 in forests.

Surinam: FOCKE 1254.

All tropical America.

Selaginella radiata (Aubl.) Baker in Journ. of Bot. 1884 p. 374.

Lycopodium radiatum Aubl. Plant. Guyan. II. 967.

Upper Nickerie River: TULLEKEN 377 H. L. B. 903, 322—1103.

Selaginella marginata (H. B. K.) Spring. Mon. II. 211.

Lycopodium marginatum H. B. K. Nov. Gen. et Spec. I. 39.

Upper Saramacca River, near Janbasigado: PULLE 434.

Upper Nickerie River: TULLEKEN 482 H. L. B. 903, 322—1018.

Surinam: DUMORTIER without number.

Brazil and Guyana.

Selaginella Parkeri (Hook. et Grev.) Spring. Mon. II. 226.

Surinam: FOCKE 1217.

Guyana.

Selaginella epirrhizos Spring. Mon. II. 218.

Upper Surinam River near Bergendal: FOCKE 386.

Upper Nickerie River: TULLEKEN 509 H. L. B. 903, 322—995.

Surinam: Dr. VOLTZ without number.

Guyana.

Selaginella caudorhiza Baker in Journ. of Botan. 1883 p. 334.

Surinam: HOSTMANN 3 ex Baker. I. c.

ALISMATACEAE.

LOPHOTOCARPUS Durand.

Lophotocarpus guyanensis (H. B. K.) Smith. in Report Missouri Bot. Gardens VI. (1895) 35.

Sagittaria guyanensis H. B. K. Nov. gen. et spec. I. (1815) 250.

Surinam: HOSTMANN 870; WULLSCHÄGEL.

Brux. ex Micheli. Monograph. Phanerog. III. p. 63.

Tropical America.

SAGITTARIA Linn.

Sagittaria pugioniformis Linn. Diss. de plant. Surin. (1775) 15.

Surinam: DALBERG ex Linn. l. c.

Brazil and Guyana.

Sagittaria lancifolia Linn. Syst. nat. ed. 10, II. (1759) 1270.

Surinam near plant. Zwarigheid: FOCKE 119 (fl. May) named by

Miquel: *Sagittaria auctifolia* Linn. f. in Linnaea XVII (1843)

p. 59 and Linnaea XVIII (1844) p. 379; DUMORTIER without number.

Brazil and Guyana.

BUTOMACEAE.

HYDROCLEIS Rich.

Hydrocleis nymphoides (Willd.) Buchenau Index crit. in Abh. Nat.
Ver. Brem. II. (1868) 2.

Stratoides nymphoides Willd. Linn. Spec. pl. IV. 821

Nickerie River: TULLEKEN 278 H. L. B. 903, 322—1226 (fl. Aug.)
Tropical South-America.

HYDROCHARITACEAE.

ELODEA L. C. Rich.

Elodea guyanensis. L. C. Rich. in Mèm. de l'Inst. de France. II. (1811)
p. 75 t. 1.

Lower Surinam River near plant. Jagtst: FOCKE 602 in ditches fl.

Octob. (= *Udora surinamensis* Mig. in Linnaea XVIII (1844) p. 241.

Paramaribo: in ditches: VERSTEEG 498 (fl. June).

Upper Tapanaboni River: VERSTEEG 923 (fl. Octob.)

HYDROMYSTRIA G. F. W. Meyer.

Hydromystria stolonifera G. F. W. Mey. Prim. Fl. Esseq. 152.

Trianea bogotensis Karsten.

Surinam River: VERSTEEG 497 (fl. June.)

All tropical America.

GRAMINA.

COIX L.

Coix Lacrima Linn. Hort. Cliff. 437.

Paramaribo: TULLEKEN 14; H. L. B. 903, 322—1312 (fr. July.)

Saramacca River near Groningen: WENT 238. (fr. Aug.)

Surinam, HOSTMANN H. L. B. 903, 322—257. WULLSCHLÄGEL ex Döll:

Flora Bras. II. 2 p. 30.

All tropical countries.

IMPERATA Cyr.

Imperata brasiliensis Trin. Mém. Ac. Petersb. S. VI. T. 2. p. 331 (1833.)

Surinam: FOCKE 526, 735. fl. Octob.

Vernacular name: Staartgras.

Brazil.

Imperata caudata Trin. l. c. p. 331.

Paramaribo, Laan van Tourtonne: KEGEL 482.

Para: SPLITGERBER 1076. H. L. B. 904, 308—12, 13, 14, 15, 16, 17.

Surinam: WEIGELT H. L. B. 904, 308—131. HOSTMANN. H. L. B. 903, 322—75.

All tropical South-America

SACCHARUM L.

Saccharum cayennense (Beauv.) Benth. Journ. Linn Soc. XIX. 66.

Eriochrysis cayennensis P. De Beauv Agr. 8.

Lower Surinam river: HOSTMANN and KAPPLER. Ed. Hohenacker
nº. 1284. (fl. Dec.)

Surinam: NOLTE without nº. in herbar. Götting.

All tropical America.

Saccharum officinarum Linn. Spec. pl. ed. 1. 1. 54.

Surinam: SPLITGERBER 1081. H. L. B. 904, 308—132, 133, 134 (fl. Dec.)

Cultivated.

MANISURIS Linn. f.

Manisuris granularis (Linn.) Swartz Prodr. 25.

cenchrus granularis Linn. Mant. II p. 575.

Para near Onoribo: SPLITGERBER 686. H. L. B. 904, 308 18, 19
(fl. March.)

Brazil.

TRACHYPOGON Nees.

Trachypogon polymorphus Hack. Flora Bras. II. 3. p. 263.

var: α . **plumosus** Hack. l. c.

forma 3. **dactyloides** Hack. l. c.

Surinam: HOSTMANN 1028.

Para: WULLSCHLÄGEL 602. ex Hackel l. c.

Northern Brazil.

ANDROPOGON Linn.

Andropogon bicornis Linn. Spec. Plant. Ed. 1. II. 1046.

Lower Marowijne, Albina: WENT 429 in savannahs (fl. Octob.)

Paramaribo, Oude Rijkweg: KEGEL 950 (fl. July.)

Surinam: FOCKE 839.

In all tropical America.

Andropogon virginicus Linn. Sp. plant. 1. II. 1046.

Para River near Onoribo: SPLITGERBER 685 H. L. B. 904, 302 14,
15, 16, (fl. March); SURINGAR H. L. B. 904, 302--3 (fl. Jan.)

Paulus Kreek: FOCKE 1417 (fl. Sept.)

Surinam River near Bergendal: FOCKE 1326.

Surinam: HOSTMANN 341: HOSTMANN Ed. Hohenacker 15a; H. L. B.
904, 302--11; KAPPLER 15a. H. L. B. 904, 302--6.

America.

Andropogon squarrosus Linn. f. Suppl. 433.

Paramaribo: FOCKE 1427, cultivated in gardens (fl. Aug.)

Vernacular name: Vétivert.

Guyana and Brazil; perhaps introduced.

Andropogon brevifolius Sw. Fl. Ind. occ. I 209.

Paramaribo: KEGEL 4023, (fl. August.)

Para River: SPLITGERBER 988. H. L. B. 904, 302--2, 135, (fl. July.)

Andropogon Sorghum (L.) Brot. Fl. Lus I. 88

Holcus Sorghum L. spec. ed. 1. II 1047.

Surinam: SPLITGERBER 509, H. L. B. 904, 302--140, 141, 142, culti-
vated (fr. Jan.)

Vernacular name: Curaçaosche mais.

Tropical Africa.

PASPALUM Linn.

Paspalum pulchellum H. B. K. Nov. gen. et spec. 90 t. 26.

Para district: WULLSCHLÄGEL 580.

Surinam: KEGEL 1266, ex Döll, Flora Bras. II 2 p. 44.

Northern Brazil.

Paspalum pusillum Ventenat. mss.

Surinam: WULLSCHLÄGEL 572; WEIGELT ex Döll. l. c. 46.

Northern Brazil, French Guyana.

Paspalum maritimum Trinius Acta Petrop 148.

Surinam: WULLSCHLÄGEL 1605.

Northern Brazil; French Guyana.

Paspalum densiflorum Döll. l. c. 52.

Surinam: HOSTMANN 658; FOCKE 1060.

Brazil.

Paspalum conjugatum Bergius. Act. helv. VII 129 t. 8.

Lower Marowijne, Albina: VERSTEEG 17 (fl. July.)

Para River: SURINGAR H. L. B. 904, 308—100. (fl. Jan.)

Surinam: SPLITGERBER 454. H. L. B. 904, 308—102, 103, 104.

Surinam, without collectors name H. L. B. 904, 308—105, 106.

Tropical, and sub-tropical South-America.

Paspalum caespitosum Flügge. Monogr. 161.

Surinam; HOSTMANN 658 ex Döll l. c. 53.

Brazil.

Paspalum pumilum Nees. Agrost. bras. 52.

Paramaribo: WULLSCHLÄGEL 579 ex Döll. l. c. 57.

Tropical and sub-tropical South-America.

Paspalum nutans Lam. Illustr. 175 n^o. 922.

Surinam: WULLSCHLÄGEL 575 ex Döll l. c. 60.

All South-America.

Paspalum setifolium Döll. l. c. 62.

Paspalum Kegelii C. Müll. in ipsius herbario teste Döll. l. c.

Saramacca River, near Maripaston: KEGEL n^o. 1816 ex Döll. l. c.

Amazon-district.

Paspalum maculosum Trinius Spec Gram. t. 113.

var: β . *rotundiflorum* Döll l. c. 72.

Surinam: KAPPLER 1561 ex Döll. l. c.

***Paspalum vaginatum* Swartz. Prodr. 21.**

Cottica district near plant. Badenstein: SPLITGERBER 791 H. L. B. 904, 308, 122 (fl. Apr.)
All tropical America.

***Paspalum plicatulum* Michaux. Flor. Bor. Amer. 1. 45.**

Surinam: WEIGELT (*Paspalum scrobiculatum* L, var. *orbiculatum* in schedulam) H. L. B. 904, 308-121; SPLITGERBER H. L. B. 904, 308-129; Kappler 1543. (*Paspalum caespitosum* Hochstetter in schedulam) ex Döll. l. c. 76
All Brazil and Guyana.

***Paspalum densum* Poir. Enc.méth. V. 32.**

Para district: SPLITGERBER 1176 H. L. B. 904, 308-107, 108, 109, 110. (fl. May); KAPPLER ed. Hohenacker 1496 H. L. B. 904, 308-112 (fl. Febr.-April); SURINGAR H. L. B. 904, 308-111 (fl. Jan.); Onoribo: FOCKE 906 (fl. March); Post Republiek: TULLEKEN 187. H. L. B. 903, 322-1259 (fl. Aug.)

Surinam: WEIGELT; WULLSCHLÄGEL 1606 et 1608 ex Döll l. c. p. 88.

var: α *ciliatum* Döll. l. c.

Surinam: WULLSCHLÄGEL 576, 1143 ex Döll l. c.
All tropical South-America.

***Paspalum virgatum* Linn. sp. plant. Ed. II. 82.**

Lower Commewyne district: SPLITGERBER 434 and 306. H. L. B. 904, 308-123, 125, 126, 127 (fl. Dec.).

Lower Marowijne, River, Albina: VERSTEEG 37 (fl. July).

Lower Surinam River near plant. Jagtlust: WENT 34 (fl. July.)

Para district: VERSTEEG 501 (fl. June).

Surinam: FOCKE 109, 144, 519; WEIGELT ex Döll l. c. 89.

Vernacular name: Baboen-nefi.

All tropical South-America.

Paspalum carinatum* Flügge Monogr. 65.*var: β *Kappleri* (Hochst) Döll. l. c. 96.**

Paspalum Kappleri Hochstetter in schedulam.

Surinam: HOSTMANN and KAPPLER 1306.

***Paspalum repens* Bergius in Act. Helv. VII tab. 7.**

Surinam: KAPPLER 707a. (*Paspalum bistipulatum* Hochstetter in schedulam,) ex Döll l. c. 98.

Northern Brazil; Guyana.

***Paspalum furcatum* Flügge. Monog. 114.**

Surinam: HOSTMANN and KAPPLER ed. Hohenacker 1283. (*Paspalum surinamense* Hochstetter in schedulam.)

var: γ *filiforme*. (Mühlenb.) Döll l. c. 104.

Digitaria filiformis Mühlenb.

Surinam: WEIGELT. H. L. B. 940, 308—113. (*Panicum brachycladon* Reichenbach in schedulam ex Döll l. c.)

Tropical South-America.

Paspalum scoparium Flügge. Monogr. 124.

Surinam: HOSTMANN and KAPPLER 1283 (*Panicum surinamense* Hochstetter in schedulam) ex Döll l. c. 106.

Paspalum chrysostachyum (Trin.) Schrader in Römer et Schultes Mantissa II p. 176.

Panicum chrysostachyum Trinius Act. Petrop. 1835 p. 196.

Surinam: KEGEL 1104 ex Döll l. c. 115.

Northern Brazil.

Paspalum pulchrum Nees. Agrost. bras. p. 79.

Para district: KAPPLER ed. Hohenacker 1524 H. L. B. 904, 308—114.

Para district: near Onoribo: SPLITGERBER 683 H. L. B. 904, 308—117, 118, 119, 120, 115. (fl. March); FOCKE 905 (fl. March).

Surinam: WULLSCHLÄGEL 1167 ex Döll l. c. 117.

Northern Brazil.

LEPTOCORYPHIUM Nees.

Leptocoryphium lanatum (R. et Sch). Nees. Agrostogr. bras. 84.

Milium lanatum Röm. et Schult. Mant. II. 322.

Surinam: HOSTMANN 639a ex Döll l. c. 122.

ERIOCHLOA Kunth.

Eriochloa punctata (Lam) Hamilton. Prodr. 5.

Agrostis punctata Lam. Enc. méth. I. n. 17.

Paramaribo, Oude Rijnweg: KEGEL 399 (fl. Aug); near plant. Tourtonne: KEGEL 839 (fl. March).

Paramaribo: VERSTEEG 491 (fl. July).

Lower Commewyne River near plant. Rust en werk: SPLITGERBER 571.

H. L. B. 904, 308—5, 6, 7, 130. (fl. Febr.)

Surinam: Dr. VOLTZ.

Brazil and Guyana.

var: γ . *cognata* (Steud.) Döll l. c. 125.

Helopus cognatus Steud. Syn. 100.

Surinam: HOSTMANN 319 ex Steud. l. c.

Brazil, Guyana.

PANICUM Linn.

Panicum sanguinale Linn. spec. plant. Ed. I. 57 n. 8.

Upper Commewyne district near plant. Lustrijk: SPLITGERBER 455.

H. L. B. 904, 302—88, 89. (fl. Dec.)

Lower Commewyne: KAPPLER.

Surinam: SPITGERBER 294 and 431. H. L. B. 904, 302—96, 97, 100;

Dr. VOLTZ.

All tropical South-America.

Panicum insulare (L.) Meyer. Flora Esseq. 60.

Andropogon insularis Linn. Spec. plant. ed. II 1480.

Upper Commewyne near plantation Lustrijk: SPLITGERBER 449. H. L. B. 904, 308—66, 67, 68. (fl. Dec.)

Brazil, French Guyana.

Panicum recalvum (Nees) Kunth. Rev. Gram. I. p. 39.

Trichachne recalva Nees Agrost. bras. 88.

Surinam: WEIGELT. (*Reimaria laxa* Reichenbach in Weigelt. plant.

Surin.) ex Döll l. c. 138.

Brazil.

Panicum colonum. Linn. Spec. plant. Ed. II. 84.

Upper Commewyne district near plant. Lustrijk: SPLITGERBER 340.

H. L. B. 904, 302—52, 103, 104. (fl. Dec.)

Surinam ex Herb. de Vriese N°. 47. H. L. B. 904, 302—106;

HOSTMANN 284. H. L. B. 903, 322—41.

All tropical and sub-tropical countries.

Panicum spectabile Nees. Agrost. bras. 262.

Lower Surinam River near plant. Jagtlust: SPLITGERBER 416. H. L. B. 904, 302—107 (fl. Dec.)

Surinam ex Herb. de Vriese n°. 86 H. L. B. 904, 302—105; HOSTMANN

H. L. B. 903, 322—77; FOCKE 116, 201, 527, 610; KEGEL and WEIGELT ex Döll. l. c. 145.

Vernacular name: Paarendgras.

Brazil and Guyana, introduced.

Panicum loliaceum Lam. Illustr. I. 170 n. 880.

Lawa River near Cottica: VERSTEEG 314 (fl. Octob.)

Surinam: HOSTMANN H. L. B. 903, 322—58; WEIGELT H. L. B. 904, 308—69. (= *Oplismenus loliaceus* H. B. K.)

Brazil, Guyana.

Panicum compositum Linn. Spec. plant. I 57.

Upper Nickerie River: TULLEKEN 425. H. L. B. 903, 322—1576. (fl. Sept.)

Surinam: WEIGELT ex Döll l. c. 148.

Tropical South-America.

Panicum imberbe Poiret. Enc. méth. Suppl. IV. 272.

Surinam: KAPPLER 1512; WULLSCHLÄGEL ex Döll l. c. 158.

All tropical South-America.

Panicum macrostachyum (H. B. K.) Döll l. c. 166.

Setaria macrostachya H. B. K. Nov. gen. et Spec. I. 110.

Para district near Onoribo: SPLITGERBER 641. H. L. B. 904, 308—137, 138. (fl. March).

Surinam: KAPPLER ed. Hohenacker 1411; HOSTMANN 21. (= *Panicum amplifolium* Steud. Syn. 51); WULLSCHLÄGEL 609 ex Döll l. c. 167.

All tropical South-America.

Panicum loliiforme Hochstetter in plant. Hostmannianae n°. 1071.

Surinam: HOSTMANN 1071; WULLSCHLÄGEL 600 ex Döll l. c. 174.

Northern Brazil.

Panicum echinolaena Nees. Agr. Bras. 128.

Surinam: HOSTMANN ex Döll l. c. 180.

Brazil, Guyana.

Panicum appressum Lam. Illustr. 176. n°. 929.

Surinam: HOSTMANN 283 ex Döll. l. c. 185.

Tropical America.

Panicum molle Swartz. Prodr. 22.

Para district: SURINGAR H. L. B. 904, 308—70 (fl. Jan.)

Brazil.

Panicum numidianum Lam. Illustr. 902.

Surinam: WULLSCHLÄGEL 594 ex Döll l. c. 189.

Vernacular name: Paragras.

Tropical South-America, Guyana.

Panicum fistulosum Hochstetter in Kappleri plantae surinamenses n°. 1434.

Surinam: KAPPLER 1434.

Panicum chloroticum Nees. Agr. bras. 164.

Surinam: KAPPLER 816 ex Döll l. c. 198.

Brazil.

Panicum megiston Schultes Mant. II. 248 n°. 95a.

Upper Marowynne River near Poeloegoedoc: VERSTEEG 609. (fl. July).

Lower Nickerie River: TULLEKEN. 528 H. L. B. 903, 322—937 (fl. Octob.)

Surinam: ex Herb. de Vriese 214. H. L. B. 904, 308—94. FOCKE 108, 117, 501; Dr. VOLTZ; HOSTMANN H. L. B. 903, 322—191.

Brazil, Guyana.

Panicum latifolium Linn. Sp. Plant. Ed. I. p. 58.

Upper Commewyne River near plant. Lustrijk: SPLITGERBER 446.

H. L. B. 904, 308—56, 57, 58, 59, 53, 54, (fl. Dec.)

Tropical South-America.

Panicum stoloniferum Poiret. Enc. méth. Suppl. IV. 1.

Paramaribo: SPLITGERBER 1190. H. L. B. 904, 308—60, 61, (fl. May);
Focke 768 (fl. April.)

Para district: SPLITGERBER 668. H. L. B. 904, 308—86 (fl. March).

Surinam: HOSTMANN and KAPPLER 103. ed. Hohenacker. (*Panicum frondescens* Meyer in sched.); KAPPLER 1500 ex Döll l. c. 210; WEIGELT

H. L. B. 904, 308—48. (*Panicum brachyclados* Rchb. in sched.)

Tropical America.

Panicum pilosum Swartz. Prodr. 22.

Paramaribo: TULLEKEN 110. H. L. B. 903, 322—1464 (fl. Aug.)

Santigron: WENT 202, (fl. Aug.)

Upper Saramacca River: PULLE, (fl. Jan).

Upper Commewyne district: near plant. Canawappibo: SPLITGERBER 312. H. L. B. 904, 308—78, 79, 80, 81 (fl. March).

Surinam: KAPPLER 1621 ex. Steud.; WEIGELT ex Döll l. c. 212.

Tropical South-America.

Panicum laxum Swartz. Prodr. 23.

Surinam: WEIGELT. H. L. B. 904, 308—42; KAPPLER 1523 (= *Panicum ramuliflorum* Hochst. in Kappleri plant. Surin. ed. Hohenacker) ex Döll l. c. 213.

Tropical South-America.

Panicum multiflorum Poiret Enc. méth. Suppl. IV. 282.

Para district: WULLSCHLÄGEL 1616 ex Döll l. c. 215.

Surinam: KAPPLER 816.

Panicum cayennense Lam. Illustr. 908.

Para district, Savanne Kompas: WENT 370 (fl. Sept.)

Para district near Onoribo: SPLITGERBER 681. H. L. B. 904, 308—49, 50. (fl. March).

Joden savanne: SPLITGERBER 962. H. L. B. 904, 308—83, 84, 85. (fl. May).

Brazil and Guyana.

Panicum zizanoides H. B. K. Nov. gen. et spec. I. 100.

Surinam: HOSTMANN and KAPPLER 114.; WEIGELT 285; KEGEL 412; ex Döll l. c. 229.

Brazil.

Panicum amplexicaule Rudge. Pl. Guyan. I. 21. t. 27.

Paramaribo: KEGEL 957 (fl. July.)

Para district: SURINGAR. H. L. B. 904, 308—8. (fl. Jan.)

Paulus-kreek: FOCKE 1404 (fl. Sept.)

Lower Commewyne near plant. Maastroom: FOCKE 840. (fl. Octob.)

Upper Commewyne district near plant. Lustrijk: SPLITGERBER 420.

H. L. B. 904, 308—71, 72, 73 (fl. Dec.)

Surinam: KAPPLER 441 (= *Sporobolus villosus* Hochstetter in Kappleri plant. Surin.) ex Döll l. c. 243; WEIGELT ex Döll l. c. 234.

Tropical South-America.

Panicum augustissimum Hochstetter in Kappleri plant. Surin. 1499.

Para district: KAPPLER 1499 ex Döll l. c. 236.

Southern Brazil.

Panicum trichanthum Nees. Agr. bras. 210.

Surinam: KAPPLER ed. Hohenacker 1560 ex Döll l. c. 248.

Northern Brazil.

Panicum micranthum H. B. K. Nov. gen. et spec. 105.

Surinam: HOSTMANN and KAPPLER ed. Hohenacker 477; WULLSCHLÄGEL 597, 1613, 1624 ex Döll l. c. 252.

Panicum rugulosum Trinius. Diss. II. 195.

var: γ *subvelutinum* Döll. l. c. 259.

Para district: WULLSCHLÄGEL 1612 ex Döll l. c.

Panicum parvifolium Lam. Enc. IV. 2. p. 742.

Surinam River near Joden Savanne: SPLITGERBER 960. H. L. B. 904, 308—76, 77 (fl. Apr.)

Surinam: WULLSCHLÄGEL 587 ex Döll l. c. 262.

Brazil, Guyana.

Panicum nervosum Lam. Enc. méth. IV. 747.

Para district near plant. Berlijn: WENT 384. (fl. Sept.)

Surinam: FOCKE 522; SPLITGERBER 463. H. L. B. 904, 308—92; HOSTMANN. H. L. B. 903, 322—55.

Saramacca River near Saron: KEGEL 1265 ex Döll l. c. 262.

Northern Brazil.

ICHNANTHUS Pal. de Beauv.

Ichnanthus panicoides Pal. de Beauv. Essay 57. tab. XII. fig. 1.

Para district: SPLITGERBER 1071. H. L. B. 904, 308—65 (fl. May).

Northern Brazil; Guyana.

Ichnanthus pallens (Sw) Döll. l. c. 290.

Panicum pallens Swartz. Prodr. 23.

Para district near Onoribo: SPLITGERBER 652. H. L. B. 904, 308—75, 74, 95, (fl. March).

Sara-kreek near placer l'Union: WENT 517 (fl. Octob.).

Upper Nickerie near Fallawatra: TULLEKEN 463. H. L. B. 903, 322—1547. (fl. Sept.)

Surinam: FOCKE 341 H. L. B. 904, 308—47.

***Ichnanthus brevicrobs* Döll.** l. c. 294.

Para district: WULLSCHLÄGEL 1148 ex Döll l. c.

Brazil.

CENCHRUS Linn

***Cenchrus viridis* Sprengel** Syst. veg. I. 301.

Upper Saramacca: PULLE 173 (fl. Jan.)

Surinam: HOSTMANN 12a, 939 H. L. B. 903, 322—51; WEIGELT ex Döll. l. c. 310.

***Cenchrus echinatus* Linn.** Spec. plant. ed. 1. II 1150.

Paramaribo, laan van Tourtonne: TULLEKEN 37. H. L. B. 903, 322—1290 (fl. July.)

Paramaribo: WENT 99. (fl. Aug.)

Cottica district near plant. Badenstein: SPLITGERBER 778. H. L. B. 904, 302—55, 56, (fl. Apr.)

Surinam: WEIGELT. H. L. B. 904, 302—58. (= *Cenchrus pungens* H. B. K. in schedul.)

Tropical South-America.

STENOTAPHRUM Trinius

***Stenotaphrum glabrum* Trin.** Gram. panic. p. 60.

var: α ***americanum* (Schränk)** Döll l. c. 300.

Stenotaphrum americanum Schrank. Hort. Monac. 98.

Lower Surinam River: SPLITGERBER 785 H. L. B. 904, 308—150 (fl. Apr.).

Lower Commewyne River near plant. Rust en Werk: SPLITGERBER 573. H. L. B. 904, 308—151. (fl. Febr.).

Surinam: HOSTMANN. H. L. B. 903, 322—166; WEIGELT ex Döll. l. c. 301.

All South-America.

OLYRA Linn.

***Olyra latifolia* Linn.** Amoen. acad. t. V. p. 408.

Lower Surinam River near plant. Jagtlust: FOCKE 483; WENT 48 (fl. Aug.)

Para district: SURINGAR H. L. B. 904, 308—23 (fl. Jan.)

Upper Saramacca: PULLE 164. (fl. Jan.)

Lower Nickerie: TULLEKEN 404. H. L. B. 903, 322—1514. (fl. Aug.)

Surinam: SPLITGERBER 235. H. L. B. 904, 308—32, 33. (fl. Dec.)

var: β . ***pubescens* (Raddi)** Döll. l. c. 316.

Olyra pubescens Raddi Agr. bras. 18.

Sara-kreek near placer l'Union: WENT 510 (fl. Octob.)

Para district: HOSTMANN and KAPPLER ed. Hohenacker 863 (= *O. surinamensis* Hochst. in sched.).

Upper Surinam River near Bergendal: FOCKE 358. (fl. Sept.).

Upper Nickerie River near Blanche Marie fall: TULLEKEN 327, H. L. B. 903, 322—1059. (fl. Sept.)

***Olyra cordifolia* Willd. herb. 17104b.**

Para district: SPLITGERBER 986. H. L. B. 904, 308—20, 21, 22. (fl. Dec.)

Surinam: FOCKE 107.

Tropical South-America.

***Olyra scabra* Nees Agrost. brass. 306.**

Paramaribo: WULLSCHLÄGEL ex Döll. l. c. 318.

Brazil.

***Olyra micrantha* H. B. K. Nov. gen. et spec. I. 199.**

Upper Surinam River near Blauwe Berg: SPLITGERBER 913. H. L. B. 904, 308—24, 25, 26, 29.

Upper Coppename River: BOON 1019, 1214. (fl. Sept.-Octob.)

Upper Nickerie River: TULLEKEN 390. H. L. B. 903, 322—1092. (fl. Sept.)

Tropical South-America.

***Olyra obliquifolia* Steud. Syn 36.**

Surinam: KAPPLER 1472 (= *O. longifolia* Hochst.) ex Steud. l. c.

***Olyra dimidiata* Hochst. in plant. Hostmann.**

Surinam: HOSTMANN 786a ex Steud. Syn. p. 36.

***Olyra fasciculata* Trin. in Act. Petrop. 1835. p. 113.**

Para district: KAPPLER ex Döll. l. c. 324.

Brazil.

***Olyra longifolia* H. B. K. Nov. gen. et Spec. I. 198.**

Surinam: WULLSCHLÄGEL 591, 1152, 1153. ex Döll l. c. 325.

PHARUS Linn.

***Pharus scaber* H. B. K. Nov. gen. et spec. I. 196.**

Surinam: SPLITGERBER 154. H. L. B. 902, 23—448, 449, 450. (fl. Nov.);

WEIGELT. H. L. B. 902, 23—447; HOSTMANN: 410; HOSTMANN and

KAPPLER ed. Hohenacker 410; HOSTMANN H. L. B. 903, 322—331.

var: β ***pictus* Döll. l. c. 21.**

Para district: WULLSCHLÄGEL ex Döll l. c.; SPLITGERBER H. L. B. 902, 23—451, 452, named: *Pharus vittatus* v. *Houtte*. (*Ph. scabri* var.)

Brazil, Guyana.

ORYZA Linn.

***Oryza sativa* Linn. Sp. pl. ed. I. 333.**

Surinam: SPLITGERBER 1067. H. L. B. 902, 23—331, 346; HOSTMANN 833; HOSTMANN H. L. B. 903, 322—189; HOSTMANN and KAPPLER ed. Hohenacker 1195, (*Oryza glumaepatula* Steud. Syn. 3.).

Cultivated.

Vernacular name: Rijst.

ARISTIDA L.

Aristida capillacea Lamarck. Ill. gen. 156 n°. 777.

Para district: SPLITGERBER 1077. H. L. B. 904, 302—18, 20. (fl. Jun.); HOSTMANN and KAPPLER ed Hohenacker 1024.

Brazil, Guyana

Aristida tinctoria Trin. et Rupr. in Act Petrop. 1849 p. 111.

Surinam: WULLSCHLÄGEL 603 ex Döll Fl. Bras. II. 3. p. 17.

Para district: SPLITGERBER 701. H. L. B. 904, 302—26 (fl. March.).

Brazil, French Guyana.

SPOROBOLUS Brown.

Sporobolus virginicus (L.). Kunth Rev. Gram. I. 68.

Agrostis virginica L. spec. plant. Ed. I. 63 n°. 11.

Lower Surinam River near plant. Morgenstond: SPLITGERBER 1079.

H. L. B. 904, 308—146, 147, 148 (fl. Jan.).

Saramacca River near Maripaston: KEGEL 212 (fl. May.)

Surinam Dr. VOLTZ; WULLSCHLÄGEL 893 ex Döll l. c. 31.

All tropical and subtropical South-America.

Sporobolus villosus (Spreng.) Kunth. Rev. Gram. I. 68.

Agrostis villosa Spreng. Suppl. in Syst. veget. 16 p. 5.

Para district: SPLITGERBER 1080. H. L. B. 904, 308—144, 145 (fl. May.)

India.

CYNODON L. C. Richard.

Cynodon Dactylon (Linn.) Persoon Syn. 1. 85.

Panicum Dactylon Linn. Sp. plant. ed. I. 58.

Paramaribo: SURINGAR H. L. B. 904, 302—72 (fl. Jan.)

All tropical and subtropical countries.

SPARTINA Schreb.

Spartina brasiliensis Raddi. Agrost. bras. 21.

Upper Commewyne district near plant. Lustryk: SPLITGERBER 369

H. L. B. 904, 308—143. (fl. Dec.)

Brazil.

CHLORIS Sw.

Chloris radiata (Linn.) Swartz. Fl. Ind. occ. I. 201.

Agrostis radiata Linn.

Lower Commewyne River near plant. Rust en Werk: SPLITGERBER 566.

H. L. B. 904, 302—62, 65, 68 (fl. Febr.)

Surinam: HB. v. HALL in H. L. B. 904, 302—67; leg. OBERMÜLLER
misit ad Dr. Molkenboer. H. L. B. 904, 301—66.

Brazil.

GYMNOPOGON Beauv.

Gymnopogon foliosus (Willd.) Nees. Agrost. bras. 426.

Chloris foliosa Willd. Spec. plant. IV. 924.

Surinam: HOSTMANN and KAPPLER ed. Hohenacker 1003 (= *Chloris
foliosa* Willd. in sched.); WULLSCHLÄGEL 1621 ex Döll. l. c. 83.

ELEUSINE Gärtner.

Eleusine indica (Linn.) Gärtner De fruct. et sem. I. 8.

Cynosurus indicus Linn. Spec. plant. ed. II. p. 106 n°. 8.

Paramaribo, in the streets: WENT 100 (fl. Aug.); WENT 350 (fl. Octob.)

Near Paramaribo: TULLEKEN 42. H. L. B. 903, 322—1307, (fl. July).

Para district: SURINGAR H. L. B. 904, 302—113 (fl. Jan.)

Surinam: SPLITGERBER 462 H. L. B. 904, 302—108, 109, 110.

Vernacular name; Mangras.

All tropical countries.

DACTYLOCTENIUM Willd.

Dactyloctenium aegyptiacum (Linn.) Willd. Enum. Hort. Berol. II. 1029.

Cynosurus aegyptius Linn. Spec. plant. II. 106. n°. 7.

Cottica district near plant. Badenstein: SPLITGERBER 792. H. L. B.
904, 302—76, 81. (fl. April).

Lower Nickerie district: FOCKE 501 (fl. May).

Surinam: HOSTMANN 177; HOSTMANN H. L. B. 903, 322—156; WEIGELT
H. L. B. 904, 302—83; FOCKE 11.

All tropical and subtropical countries.

LEPTOCHLOA Trin.

Leptochloa virgata (Linn.) Beauv. Essay 71.

Cynosurus virgatus Linn. Amoen. Acad. V. 393.

Paramaribo: TULLEKEN 129. H. L. B. 903, 322—1483. (fl. Aug.)

Surinam: HOSTMANN H. L. B. 903, 322—127; WULLSCHLÄGEL 1160
ex Döll. l. c. 90.

Brazil; Guyana.

var: *β. mutica* (Steud.) Döll l. c. 91.

Leptochloa mutica Steud. Syn. 208 n°. 3.

Para district: KAPPLER 1553 ex Döll l. c. 91.

GYNERIUM H. B. K.

Gynerium sagittatum (Aubl.) P. de Beauv. Essai 138.

Saccharum sagittatum Aubl. Pl. Guyan. I. 50

Paramaribo: FOCKE 742. (fl. Sept.)

Upper Nickerie River: TULLEKEN 422. H. L. B. 903, 322—1534.
(fl. Sept.)

Surinam: SPLITGERBER 432. H. L. B. 904, 308—2, 3, 4. (fl. Dec.)

Venacular name: »Pijlgras" or »Wild Suikerriet."

All tropical America.

ERAGROSTIS Host.

Eragrostis mexicana (Lagasca) Link. Hort. Ber. 190.

Poa mexicana Lagasca. gen. et spec. 3. n°. 40.

var: α . *genuina* Döll. l. c. 143.

Surinam: WEIGELT ex Döll. l. c.

Mexico.

Eragrostis reptans (Mich.) Nees. Agrost. bras 514.

Poa reptans Michaux. Flora bor. Amer. I. 69.

Surinam: SPLITGERBER 1018. H. L. B. 904, 302—121, 122. (fl. Dec.)

Brazil, Guyana.

Eragrostis poaeoides Pal. de Beauv. Essay 71 t. XIV.

Para district: SURINGAR H. L. B. 904, 302—119. (fl. Jan.)

Eragrostis ciliaris (Linn.) Link. Hort. Berol. 192.

Poa ciliaris Linn. Syst. X.

Upper Surinam River: FOCKE 1320 (fl. May.)

Surinam: HOSTMANN H. L. B. 903, 322—206; SPLITGERBER 284. H. L. B.

904, 302—115 116, 117 (fl. Dec.); FOCKE 1273.

Brazil, Guyana.

ORTHOCLADA P. de Beauv.

Orthoclada rariflora (Lamb.) P. de Beauv. Essay. 69. t. XIV.

Panicum rariflorum Lambert Enc. méth. IV. 746. n°. 75.

Lower Surinam River near plant. Jagtlust: WENT 97, (fl. Dec.)

Sara-kreek near placer l'Union: WENT 516, (fl. Octob.)

Surinam: SPLITGERBER 502. H. L. B. 904, 308—37, 38, 40; Hb. de

Vriese 175, 276, in H. L. B. 904, 308—39; Dr. VOLTZ; HOSTMANN;

HOSTMANN in H. L. B. 903, 322—154, 245; WEIGELT ex Döll l. c. 118.

Brazil, Guyana

PARIANA Aubl.

Pariana lunata Nees Agr. Bras. 295.

Gonini River: VERSTEEG 79, 190 (fl. Aug.)

Tapanahoni River: VERSTEEG 631 (fl. July.)

Vernacular name: "Asmatoe pimpin "

Northern Brazil, French Guyana.

Pariana inaequalis Miq. in Kappl. Plant. Surin. n°. 1653.

Surinam: HOSTMANN and KAPPLER 1653.

Pariana radiciflora Sagot. mss.

Lawa River: VERSTEEG 262, (fl. Octob.)

Para district: SPLITGERBER 1054 H. L. B. 904, 308—97, 98, 99 (fl. May).

Saramacca River: KEGEL 1257 (fl. May).

BAMBUSA Schreb.

Bambusa vulgaris Schrad. in Wendl. Coll. pl. II. 26. t. 47.

Lower Surinam River near plant. Jagtlust: SPLITGERBER 593, H. L. B. 904, 302—36, 37.

Surinam: WEIGELT H. L. B. 904, 302—33, 34. (*Bambusa arundinacea* Schreb. in sched.).

Cultivated; all tropical countries.

GUADUA Kth.

Guadua Tagoara (Nees.) Kth. Enum. I. 434.

Bambusa Tagoara Nees. Agr. Bras. 532.

Upper Tapanahoni River: VERSTEEG 715 (fl. Sept.)

Vernacular name: "Bamboeasi Foetsch."

Northern Brazil, French Guyana.

CYPERACEAE.

HYPOLYTRUM Rich.

Hypolytrum pungens Vahl. Enum II. 283.

Surinam River, near Joden Savanne: KEGEL 203 and 1125.

Surinam HOSTMANN 1213 and 1218.

Guyana, Brazil.

Hypolytrum longifolium Nees. Flora Bras. II. 1 p. 66.

Surinam: River: KEGEL 1094.

Saramacca River, near Maripaston: KEGEL 1330 and 1331.

Guyana.

Hypolytrum silvaticum Pöpp. et Kth. in Kunth Cyp. 270.

Surinam River: KEGEL 1095.

Brazil.

Hypolytrum costatum Hackst. in Steud. Syn. 133.

Surinam: HOSTMANN 1168.

Hypolytrum amplum Pöpp et Kth. in Kunth Cyp. 272.

Surinam: KEGEL 208.

Amazon district.

CYPERUS Linn.

Cyperus flavescens Linn. Spec. pl. ed. I. p. 46.

Upper Surinam River: FOCKE 1324.

Cosmopolitan.

Cyperus amabilis Vahl. Enum. II. 318.

Surinam River, Joden Savanne: SPLITGERBER 958 H. L. B. 902,
2—168, 169.

All tropical countries.

Cyperus uncinatus Poir. in Lam. Encycl. VII. p. 247.

Para district, near plant. l'Inquietude: FOCKE 1072.

Surinam: WEIGELT H. L. B. 902, 2—385.

All tropical countries.

Cyperus simplex H. B. K. Nov. Gen. et Spec. I. 207.

Paramaribo : FOCKE 1378.

Para district : SPLITGERBER 1029 H. L. B. 902, 13—325.

Surinam : HOSTMANN 651; HOSTMANN H. L. B. 903, 322—217.

Tropical America.

Cyperus diffusus Vahl. Enum. II. 321.

Upper Surinam River : WENT 503.

Nickerie River : TULLEKEN 320 H. L. B. 903, 322—1032; TULLEKEN 426 H. L. B. 903, 322—1575.

Surinam : FOCKE 733.

All tropical countries.

Cyperus surinamensis Rottb. Decr. Nov. Pl. 35.

Paramaribo, near Beekhuizen : KEGEL 94 and 401.

Lower Surinam River, near plant. Zwarigheid : FOCKE 730 and FOCKE 152 H. L. B. 902, 13—367.

Surinam : SPLITGERBER 321 H. L. B. 902, 13—366; WEIGELT H. L. B. 902, 13—461, named by Reichenbach : *Cyperus virens* Michx; TULLEKEN 32 H. L. B. 903, 322—1287; HOSTMANN H. L. B. 903, 322—44.

Tropical America.

Cyperus Luzulae Retz. Obs. IV, p. 11.

Marowyne River, near Albina : VERSTEEG 6.

Upper Litanie River : VERSTEEG 399.

Lower Surinam River : WENT 24 p. p.

Paramaribo : SPLITGERBER 33 H. L. B. 902, 9—417 and 418; KEGEL 330; TULLEKEN 58 H. L. B. 903, 322—1337.

Saramacca River : WENT 191.

Surinam : HOSTMANN 281, named *Cyperus Hostmanni* Steud.; HOSTMANN H. L. B. 903, 322—87 and 124; WEIGELT.

Tropical America.

Cyperus Haspan Linn. Spec. plant. 45

Paramaribo, near Poelephantje : KEGEL 15.

Surinam River, near Post Oranjewoud : FOCKE 731, named *Cyperus tenuicomus* Miq. Linnaea XIX. 223.

Upper Coppename River : BOON 1151.

Surinam : HOSTMANN 111; HOSTMANN H. L. B. 903, 322—239.

All tropical countries.

Cyperus elegans L. Spec. pl. 45.

Marowyne River, near Albina : WENT 450; VERSTEEG 36.

Paramaribo : WENT 323; near Beekhuizen : KEGEL 35.

Surinam River, near plant. Gelderland : VOLTZ ; TULLEKEN 154 H. L. B. 903, 322—1394.
All tropical countries.

Cyperus Kappleri Hochst. in plant. Kappl.
Surinam : KAPPLER ed. Hohenacker 1373.

Cyperus articulatus Linn. Spec. pl. 44.
Paramaribo : KEGEL 36 ; TULLEKEN 107 H. L. B. 903, 322—1461.
Lower Surinam River, near Jagtlust : SPLITGERBER 443 H. L. B. 902, 2—210.
Surinam : WEIGELT H. L. B. 902, 2—205 named *Cyperus niloticus* Forsk. ; HOSTMANN 432.

Cyperus rotundus Linn. Spec. pl. 45.
Paramaribo : KEGEL 403.
Surinam : NOLTE in Hb. Götting ; HOSTMANN 390 ; FOCKE 19 H. L. B. 902, 13—238, 239.
Cosmopolitan.

Cyperus sphacelatus Rottb. Descr. Nov. pl. 26.
Paramaribo : KEGEL 318
Para district : SPLITGERBER 1186 H. L. B. 902, 13—327.
Saramacca River : PULLE 424.
Surinam : HOSTMANN H. L. B. 903, 322—42 ; VOLTZ.
All tropical countries.

Cyperus giganteus Vahl. Enum. pl. II. 364
Paramaribo : SPLITGERBER 88 H. L. B. 902, 9—85, 86 ; KEGEL 37 ;
near Wanicapad : FOCKE 656 ; near Vredenburg : FOCKE 739.
Lower Coppename River : WENT 129.
Upper Coppename River : BOON 1032.
Surinam : WEIGELT H. L. B. 902, 83—410, named *Cyperus densiflorus* Mey ; HOSTMANN 469 ; HOSTMANN H. L. B. 903, 322—248 ; Dr. VOLTZ.
Tropical America.

Cyperus ligularis Linn. Amoen. Acad. V. 31.
Paramaribo : KEGEL 322 ; TULLEKEN 35 H. L. B. 903, 322—1284.
Lower Surinam River : WENT 24 p. p. ; Dr. VOLTZ.
Surinam : SPLITGERBER 283 and 461 H. L. B. 902, 83—229, 230, 231 and 232.
All tropical countries.

Cyperus polystachyus R. Br. Prodr. p. 214.
Paramaribo : KEGEL 12 and 416.
All tropical countries.

Cyperus ferax Rich. Act. Soc. Hist. nat. Par. I. 106.

Paramaribo : KEGEL 85 ; FOCKE 654.

Commewyne River, near plant. Brouwerlust : SPLITGERBER 430 H. L. B. 902, 83—262.

Upper Saramacca River : PULLE 423.

Surinam : HOSTMANN 503 ; HOSTMANN H. L. B. 903, 322—125 ; and 903, 322—84 ; Dr. VOLTZ.

Cyperus (*Mariscus*) **elatus** Vahl. Enum. II. 374.

Paramaribo : KEGEL 927.

Surinam : FOCKE 102.

Tropical America.

KYLLINGIA Rottb.**Kyllingia pumila** Michx. Fl. Bor. Americ. p. 28.

Surinam : HOSTMANN 597.

Tropical and sub-tropical America.

Kyllingia pungens Link. Hort. Berol. I p. 326.

Surinam : HOSTMANN 280 and HOSTMANN H. L. B. 903, 322—43 ;

WEIGELT named *Kyllingia vaginata* Reichb.

Tropical America.

Kyllingia brevifolia Rottb. Descr. nov. pl. 13. t. IV. f. 3.

Paramaribo : FOCKE 653 ; KEGEL 382 ; KEGEL 20 ;

Surinam : H. L. B. 902, 82—71.

All tropical countries.

FUIRENA Rottb.**Fuirena umbellata** Rottb. Descr. nov. pl. 70 t. 19 f. 3.

Paramaribo : VERSTEEG 490.

Surinam : HOSTMANN ed. Hohenacker 1502 ; FOCKE 103 ; Dr. VOLTZ without number.

All tropical countries.

SCIRPUS Linn.**Scirpus Reichenbachii** Böckel. Linnaea XXXVI. p. 737.

Surinam River, near Joden Savanne : SPLITGERBER 957 H. L. B. 901, 332—39.

Saramacca River, near Saron : KEGEL 1268 ; near Maripaston : KEGEL 643.

Surinam : HOSTMANN 170a named *Isolepis conifera* Kth and *Isolepis ciliifolia* Steud. Syn. p. 99 ; WEIGELT H. L. B. 901, 332—33 named *Fimbristylis conifera* Reichb.

Brazil, British Guyana, St. Domingo.

Scirpus paradoxus (Kth.) Böckl. Linnaea XXXVI. 739.

Isolepis paradoxa Kth. Enum. 206.

Surinam: HOSTMANN 532.

Brazil, Venezuela.

Scirpus vestitus Reichb. in Weigelt pl. Surin.

Surinam: WEIGELT.

Brazil, Mexico.

Scirpus junciformis Poir. Encycl. Suppl. V. 105.

Paramaribo: SPLITGERBER 1011 H. L. B. 902, 86—460.

Para district: SPLITGERBER 632 H. L. B. 902, 86—459 and 655 H. L. B. 902, 86—461.

Surinam River, near Saron: KEGEL 1270; near Maripaston: KEGEL 1481.

Surinam: WEIGELT H. L. B. 901, 332—29 named *Isolepis junciformis* H. B. K.

Guyana, Brazil, Venezuela, Mexico.

Scirpus capillaris Linn Spec. pl. ed. II. p. 73.

Upper Tapanahoni River: VERSTEEG 776.

Surinam River, near Joden Savanne: KEGEL 1106.

Para district: FOCKE 1071; near Onoribo: FOCKE 903.

Surinam: WEIGELT H. L. B. 901, 332—35 named by Reichenbach:

Scirpus tenuifolius Rudge.

All tropical America.

Scirpus circinatus Böckel. Linnaea XXXVI p. 762.

Surinam ex Böckel l. c. 763.

Brazil, Venezuela, British Guyana.

FIMBRISTYLIS Vahl.

Fimbristylis diphylla Vahl. Enum. II. 289.

Paramaribo: KEGEL 10 and 417.

Surinam River, near plant. Morea: Dr. VOLTZ without number.

Para district, near Osembo: FOCKE 592.

Surinam: FOCKE 104.

Cosmopolitan.

Fimbristylis ferruginea Vahl. Enum. II. 291.

Nickerie: TULLEKEN 298 H. L. B. 903, 322—1081.

Surinam: HOSTMANN H. L. B. 903, 322—40; WEIGELT H. L. B. 902, 77—415.

All tropical countries.

Fimbristylis spadicea Vahl. Enum. II. 294.

Paramaribo, near plant. Clevia: KEGEL 1018; WENT 349.

Tropical and sub-tropical America.

Fimbristylis autumnalis Röm. et Schult. Syst. II. 97.

Paramaribo: KEGEL 418.

America.

HELEOCHARIS R. Br.

Heleocharis retroflexa (Poir.) Urb. Symbolae Antillanae II. p. 165.

Scirpus retroflexus Poir. in Lam. Encycl. VI. p. 753.

Surinam: HOSTMANN and KAPPLER 1856.

All tropical countries.

Heleocharis ochreatea Nees. Linnaea IX. p. 294.

var. β . **flaccida** Böck. Linnaea XXXVI p. 437.

Surinam: WEIGELT named *Scirpus flaccidus* Reichenb.

Cottica district: FOCKE 245 named by Miquel, Linnaea XIX. p. 225:

Eleocharis capitata R. Br.

Tropical America.

Heleocharis sulcata Nees. Flora Bras. II. 1 p. 98.

Surinam: HOSTMANN 443 and 1004.

Tropical America.

Heleocharis capitata R. Br. Prodr. 225.

Paramaribo: KEGEL 41, 360, 421 and 1205. VERSTEEG 514.

Commewyne River, near plant, Brouwerslust: FOCKE 734.

Cosmopolitan.

Heleocharis geniculata R. Br. Prodr. p. 224.

Surinam: KAPPLER 284a.

Tropical America.

Heleocharis mutata R. Br. Prodr. 224.

Commewyne River, near plant. Marienburg: SPITGERBER 480 H. L. B. 902, 76—228.

Nickerie: TULLEKEN 299 H. L. B. 903, 322—1084.

Surinam: HOSTMANN H. L. B. 903, 322—86; WEIGELT H. L. B. 902, 76—235.

Tropical America.

Heleocharis interstincta R. Br. Prodr. 224.

Marowynne River, near Albina: WENT 481.

Paramaribo: SPLITGERBER 111 H. L. B. 902, 76—182; KEGEL 207.

Surinam: HOSTMANN 827a, 661; HOSTMANN H. L. B. 903, 322—39.

All tropical countries.

DICHROMENA Mich.

Dichromena pubera Vahl. Enum. II. 241.

Gonini River, VERSTEEG 155.

Surinam River, near plant. Jagtlust: FOCKE 481.

Paramaribo: KEGEL 22; TULLEKEN H. L. B. 903, 322-1349; VERSTEEG 487.

Paradistrict: FOCKE 99.

Surinam: HOSTMANN 958; Dr. VOLTZ without number; WEIGELT named *Dichromena leucocephala* Reichb.

Tropical America.

Dichromena ciliata Vahl. Enum. II. 241.

Para district: SPLITGERBER 636 H. L. B. 902, 76-10; FOCKE 1070.

Coppename River: BOON 1152.

Nickerie River: TULLEKEN 347 H. L. B. 903, 322-1037.

Tropical America.

RHYNCHOSPORA Vahl.

Rhynchospora pterocarpa Röm. et Schult. Syst. II. p. 891.

Paramaribo: KEGEL 463.

Para district, near plant. Berlijn: SPLITGERBER 703 H. L. B. 902, 86-395; FOCKE 1065.

Surinam: HOSTMANN 523; HOSTMANN H. L. B. 903, 322-137.

Tropical Brazil

Rhynchospora cyperoides Mart. in Denkschr. Acad. Münch. VI. 149.

Para district, near Post Republiek: TULLEKEN 234 H. L. B. 903, 322-1433; near plant. Berlijn: FOCKE 1068 and 909; near Onoribo:

SURINGAR H. L. B. 904, 208-48.

Surinam River, near Joden Savanne: KEGEL 1119.

Surinam: HOSTMANN 1193.

Tropical America and Africa.

Rhynchospora setacea (Berg.) Böckl. Linnaea XXXVII p. 559.

Paramaribo: KEGEL 419 and 461.

Tropical America.

Rhynchospora distans Vahl. Enum. II. 235.

Paramaribo: SPLITGERBER 1189 H. L. B. 902, 86-292.

Surinam River, near Joden Savanne: KEGEL 1115.

Surinam: HOSTMANN 175a.

Tropical and sub-tropical America.

Rhynchospora glauca Vahl. Enum. II. 233.

Para district, near Koffiedjampo: KEGEL 664; near Onoribo; FOCKE 908.

All tropical countries.

Rhynchospora hispidula Böckl. *Linnaea* XXXVII p. 604.

Surinam ex Böckl. l. c. 605.

Portorico, French Guyana.

Rhynchospora tenuis Link. *Jahrb.* III. p. 76.

Surinam: WEIGELT named *Scleria* (?) *Schoenina Reichenb.*

Tropical America.

Rhynchospora aurea Vahl. *Enum.* II. 229.

Marowyne River near Albina: WENT 477.

Lower Surinam River, near plant. Jagtlust: SPLITGERBER 418 H. L. B. 902, 86—265; near Post Oranjewoud: FOCKE 154 H. L. B. 902, 86—266.

Paramaribo, near Beekhuizen: KEGEL 671.

Saramacca River, near Groningen: Dr. VOLTZ.

Surinam: HOSTMANN 840; HOSTMANN H. L. B. 903, 322—187; FOCKE 118.

All tropical countries.

Rhynchospora cephalotes Vahl. *Enum.* II. 237.

Paramaribo: KEGEL 398; TULLEKEN 115 H. L. B. 903, 322—1469; WENT 542.

Para district: FOCKE 1061; near Onoribo: SURINGAR H. L. B. 904, 208—47; near Savanna Kompas: WENT 402.

Surinam River, near Bergendal: FOCKE 363.

Coppename River: BOON 1256.

Nickerie River: TULLEKEN 453 H. L. B. 903, 322—1589.

Surinam: DUMORTIER, HOSTMANN 578a.

Brazil, Guyana.

DISPLASIA Rich.

Displasia karataefolia Rich. in *Pers. Syn.* I. 70.

Lawa River, near Poeloegoedoe: VERSTEEG 636.

Gonini River: VERSTEEG 245.

Para district near Onoribo: FOCKE 1059.

Surinam River: KEGEL 207; near Geyersvlyt: KEGEL 1217.

Saramacca River: KEGEL 1480; PULLE 56.

Coppename River: BOON 1180.

Nickerie River: TULLEKEN 355 H. L. B. 903, 322—1228; TULLEKEN 406 H. L. B. 903, 322—1512; TULLEKEN 448 H. L. B. 903, 322—1561.

Surinam: HOSTMANN 102.

Tropical America.

CALYPTROCARYA Nees.

Calyptrocarya monocephala Hochst. in *Plant. Kappl. Surinam.*

Surinam: KAPPLER ed. Hohenacker 1423.

Calyptrrocarya fragifera Nees. ex Kunth. Enum. III. 364.

Surinam: WEIGELT.

Brazil, Guyana, Domingo.

Calyptrrocarya longifolia Kth. Enum. II. 365.

Lawa River: VERSTEEG 346

Surinam: HOSTMANN 509, 1077; FOCKE 1073.

Guyana.

Calyptrrocarya Pöppigiana Kth. Enum. II, 364.

Surinam: WEIGELT.

Columbia, Guyana.

DIPLACRUM R. Br.**Diplacrum longifolium** (Griseb.) C. B. Clarke. Symb. Antill. II. 153.*Pteroscleria longifolia* Griseb. Flora Br. West. Ind. Islands. 579.

Paramaribo: KEGEL 654 and 1042.

Surinam River, near Joden-Savanne: KEGEL 1116 and 1117.

Trinidad.

HOPPIA Nees.**Hoppia microcephala** Böckl. Flora 1871 p. 37.

Lower Surinam River: KAPPLER ed. Hohenacker 1849.

Surinam River, near Blauwe Berg: SPLITGERBER 910 H. L. B. 902, 88—68.

Sara-kreek: WENT 508.

Surinam: HOSTMANN 458.

CRYPTANGIUM Schrad.**Cryptangium leptocladum** Böckl. Linnaea XXXVIII. p. 420.

Para district, near plant. l'Inquietude: FOCKE 453.

Saramacca River, near Maripaston: KEGEL 1314.

Surinam: HOSTMANN 238, named *Scleria Hostmanniana* Steud. Syn 178and *Scleria stricta* Kth; FOCKE 200 named *Scleria Kunthii* Miq.Sert. Exot. 4 t. 2; WEIGELT, named *Fuirena verticillata* Reichenb.

Amazon-district.

LAGENOCARPUS Nees.**Lagenocarpus tremulus** Nees. Flora Bras. II. 1 p. 168.

Saramacca River, near Saron: KEGEL 1263.

British Guyana.

SCLERIA Berg.**Scleria hirtella** Swartz. Flor. Ind. Occ. I. 93.

Surinam: KAPPLER ed. Hohenack. 1557.

Tropical America and Africa.

Scleria verticillata Willd. Spec. pl. IV. 317.

Surinam: KAPPLER 437a.

Tropical America and Africa.

Scleria malaleuca Schlechtd. et Cham. in Linnaea VI p. 29.

Lower Surinam River, near plant. Jagtlust: SPLITGERBER 393 H. L. B. 902, 94—331.

Paramaribo, near Poelephantje: KEGEL 17.

Surinam: FOCKE 115; WEIGELT.

Tropical America.

Scleria stipularis Nees. in Hook. Journ. of Bot. II 394

Lawa River, near Poeloegoedoe: VERSTEEG 628.

Para district: FOCKE 1075; near plant. Berlijn: SPLITGERBER 742 H. L. B. 902, 94—373.

Scleria Martii Steud. Synops. 171.

Paramaribo, near Beekhuizen: KEGEL without number.

Surinam: HOSTMANN and KAPPLER ed. Hohenacker 1171, named

Scleria pyramidalis Hochst.

Brazil.

Scleria secans (Linn.) Urb. Symb. Antill. II. 169.*Schoenus secans* Linn. Syst. X. ed. II p. 865

Gonini River: VERSTEEG 238.

Paramaribo: SPLITGERBER 1070 H. L. B. 902, 94—338; SPLITGERBER 182 H. L. B. 902, 94—264; KEGEL 23.

Saramacca River: FOCKE 332.

Surinam: ROLANDER ex Böckel. l. c. 502.

Vernacular name: "Baboen-nefi".

Brazil.

Scleria reflexa H. B. K. Nov. Gen. and Spec. I. 232.Surinam: HOSTMANN 837; WEIGELT named *Scleria Flagellum* Reichenb.

Tropical South-America.

Scleria bracteata Cavan. Icon. V. 34 t. 457.

Para district, near Onoribo: SPLITGERBER 690 H. L. B. 902, 94—237.

Tropical America.

Scleria microcarpa Nees. Linnaea IX. 302.

Para district: FOCKE 1069; near Onoribo: FOCKE 910.

Surinam: WEIGELT H. L. B. 902, 94—336 named *Scleria ovuligera* Reichenb.**Scleria mitis** Berg. in Vet. Akad. Handl. Stockh. XXVII 145.

Marowynne River, near Albina: WENT 451; VERSTEEG 3.

Paramaribo: WENT 545.

Para district, near plant. Berlijn: SPLITGERBER 742 H. L. B. 902,
94- 305.

Surinam: WEIGELT named *Scleria latifolia* Swartz.

Tropical America.

***Scleria arundinacea* Kunth.** Enum. Pl. II. 347.

Paramaribo: KEGEL 702.

Para district: KAPPLER ed. Hohenacker 1470 named *Scleria Kappleriana* Hochst ; near Onoribo: FOCKE 585 named *Scleria grandiflora* Miq. Linnaea XIX p. 230.

Surinam: NOLTE in Hb. Götting.

Guyana, Martinique.

***Scleria cymosa* (Brongn.) Bück.** in Vidensk. Meddel. Kjob (1869) p. 155.

Becquerelia cymosa Brongn. in Duperrey Voy. Coq. II p. 161. t. 27.

Surinam: KEGEL 1092.

Columbia; Brazil.

P A L M A E.

MAURITIA Linn. f.

Mauritia flexuosa Linn. f. Suppl. 454.

Surinam: SPLITGERGER 519 H. L. B. 900, 181—107.

Very common in swamps and on riversides in the colony, especially in the eastern part.

Vernacular name: Maurisie.

MANICARIA Gärtn.

Manicaria saccifera Gärtn. Fruct. et Sem. II. 468, t. 176.

Saramacca River: SPLITGERBER 826 H. L. B. 900, 181—101.

Common along the lower rivers.

Vernacular name: Troeliepalm.

GEONOMA Willd.

Geonoma multiflora Mart. Palm. Bras. 7. t. 4, 5, et 6.

Lawa River near Cottica Mountains: VERSTEEG 333 (fl. Nov.)

Upper Tapanahonie River: VERSTEEG 806 (fl. Aug.)

Upper Surinam River, near Blauwe Berg: SPLITGERBER 954 H. L. B. 900, 181—10.

Vernacular name: "Taspalm", or "Tas-tikie".

Geonoma baculifera Kunth Enum. plant. III 233.

Lawa River near Cottica Mountains: VERSTEEG 322 (fl. Nov.)

Upper Surinam River, near Blauwe Berg: SPLITGERBER 926 et 647 H. L. B. 900, 181—3 and 4 (fl. June).

Upper Nickerie River: TULLEKEN 479 H. L. B. 903, 322—1016 (fruct. Sept.); near Fallawatra: TULLEKEN 447 H. L. B. 903, 322—1562.

Surinam: KEGEL; WULLSCHLÄGEL 1649 ex Drude Flora Bras. III. 2. pg. 490.

Geonoma platycaula Dr. et Trl. Flora Bras. III. 2. pg. 490.

In forests near Loanga: KEGEL ex Drude l. c. 491.

Tropical and subtropical Brazil, Guyana.

Geonoma Schottiana Mart. Palm. Bras. Suppl. p. 143 t. 11a

Upper Coppename River: BOON 1128 (fruct. Sept.)

Tropical and subtropical Brazil.

All species of *Geonoma* are named „Taspalm” in the colony.

IRIARTEA Ruiz et Pav.

Iriartea exorrhiza Mart. Palm. Bras. 36. t. 33 et 34

Upper Nickerie River: TULLEKEN 397 H. L. B. 903, 322—1121.

Surinam: WULLSCHLÄGEL ex Drude l. c. 539.

Common in swamps.

Vernacular name: „Injie-pina.”

OREODOXA Willd.

Oreodoxa regia H. B. K. Nov. Gen. et Spec. I. 244.

Surinam: SPLITGERBER 212 H. L. B. 900, 181—125.

Cultivated.

Vernacular name: »Koningspalm” or »Palmiet”.

EUTERPE Mart.

Euterpe oleracea Mart. Palm. Bras. 29. t. 28, 29, 30.

Surinam: SPLITGERBER 318. H. L. B. 990, 171—506.

Very common on wet spots and in swamps along the lower and upper rivers.

Vernacular name: »Pina”, or »Palisade”.

OENOCARPUS Mart.

Oenocarpus Bataua Mart. Palm. Brasil. 23 t. 24 et 25.

Upper Coppename River: BOON 1194.

Vernacular name: »Komboe” or »Patawa”.

Guyana and Amazon-district.

ELAEIS Jacq.

Elaeis guineensis Linn. Mant. 137.

Paramaribo: SPLITGERBER 467 H. L. B. 990, 171—492.

Cultivated.

MAXIMILIANA Mart.

Maximiliana Maripa (Mart.) Drude l. c. 452.

Attalea Maripa Mart. Palmet. Orbign. 123.

Very common in Surinam in forests: KEGEL, SPLITGERBER near Paramaribo.

Vernacular name: »Maripa”.

COCOS Linn.

Cocos nucifera Linn. Fl. Zeylan. 391.

Cultivated.

Vernacular name: Cocos.

Cocos flexuosa Mart. Palm. Bras. 120 t. 64 et 86.

Upper Tapanahoni River on mountains: VERSTEEG 805 (fl. Aug.)

As I have got one incomplete leaf, I am not quite sure about this species.

ACROCOMIA Mart.

Acrocomia sclerocarpa Mart. Palm. Bras. 66 t. 56 et 57.

Paramaribo: KEGEL ex Drude l. c. 391.

Tropical and subtropical Brazil.

ASTROCARYUM Meyer.

Astrocaryum Paramaca Mart. Palmet. Orbign. 88.

Gonini River, in forests: VERSTEEG 189. (fl. Aug.)

Surinam: SPLITGERBER 507 H. L. B. 900, 171—54, named *Bactris paraensis Splitgerber* MSS.

Paramaribo: KEGEL, WULLSCHLÄGEL ex Drude l. c. p. 371.

Vernacular name: "Paramaka".

Very common in forests in all Guyana.

Astrocaryum sciophilum (Miq.) Pulle

Bactris sciophila Miq. Stirp. Surin. Select. p. 208.

Upper Surinam River, near Blauwe Berg: FOCKE 922.

Upper Coppename River: BOON 1052, 1193 (fl. Aug.)

This species is very closely allied to *Astrocaryum plicatum* Drude Flora Bras. III. 2 pg. 375, and differs from it by its glabrous perigone and cupule.

Vernacular name: Pingo-maka.

Astrocaryum segregatum Drude Flora Bras. III. 2 p. 382.

Paramaribo: KEGEL ex Drude l. c. 383.

Surinam: FOCKE 1206, named by Miquel *A. aculeatum Meyer*; SPLITGERBER 60 H. L. B. 900, 171—38, named *Astrocaryum vulgare Mart.*?

Very common.

Vernacular name: Awarra.

BACTRIS Jacq.

Bactris simplicifrons Mart. Palm. Bras. 103 t. 73.

Surinam: KEGEL ex Drude l. c. 322.

All tropical South America.

Bactris pallidispina Mart. Palmet Orbignian. 62.

Surinam: KEGEL; SPLITGERBER ex Drude l. c. 352.

Amazon-district, Guyana.

Bactris major Jacq. Stirp. Americ. 135 t. 263.

Surinam: KEGEL ex Drude l. c. 359.

All tropical and sub-tropical South-America.

Bactris minax Miq. Stirp. Surin. Select. pg. 207.

Paramaribo: FOCKE 1212.

Vernacular name: »Keesi-Keesi-Maka".

I do not know anything about the place of this species in the system as the specimen of Miquel in the Utrecht Herbarium is very incomplete.

DESMONCUS Mart.**Desmoncus horridus Splitg. et Mart.** Palmet Orbign. 51.

Paramaribo: KEGEL 100, SPLITGERBER 61 H. L. B. 900, 171—47 and 48. (fl. Nov.)

Tropical Brazil, Guyana.

Desmoncus riparius Spruce Palm Amazon. 156.

Upper Tapanahoni River: VERSTEEG 911.

Vernacular name: »Bamboesi Maka".

I am not quite sure about this species, as I have not seen the fruits.

Desmoncus macroacanthus Mart. Palm. Bras. 86.

Surinam: FOCKE 400; WENT, without number.

Para district; Guyana.

Desmoncus polyacanthos Mart. Palm. Bras. 85 t. 68.

Tapanahoni River: VERSTEEG 684.

Para district near Onoribo: SPLITGERBER 657 H. L. B. 900, 171 480.

Surinam: FOCKE 1094, named by Miquel: *Desmoncus surinamensis* Miq. in schedul.

Vernacular name: »Bamba-Maka".

All tropical and subtropical South-America.

CYCLANTHACEAE.

CARLUDOVICA Ruiz et Pav.

Carludovica chelidonura Drude Flora Bras. III. 2 p. 238.

Lawa River near Cottica : VERSTEEG 337 (fl. Octob.)

Tropical and subtropical Brazil.

Carludovica sarmentosa Sagot. Mss.

Cassapoere kreek : KEGEL 1183 in Herb. Götting. (fl. Nov.)

Brazil, Guyana.

LUDOVIA Brogn.

Ludovia lancaefolia Brogn. Ann. Scienc. nat. 4 serie. 15, 16 p. 360.

Lawa River : VERSTEEG 268 (fl. Octob.)

French Guyana.

ARACEAE.

ANTHURIUM Linn.

Anthurium scandens (Aubl.) Engler Flora Bras. III. 2 p. 78.

Dracontium scandens Aubl. Plant. Guyan. II. 386.

Para district: SPLITGERBER 646 H. L. B. 898, 87—391, 392.

All tropical South-America.

Anthurium trinerve Miq. Linnaea XVII. p. 67.

Upper Marowyne River: VERSTEEG 370 (fl. Octob.)

Lower Surinam River, near plant. Geysersvlyt: KEGEL 721 (fl. Febr.)

Para district: NOLTE in Herb. Götting; KAPPLER ed Hohenacker 1498 (fl. Febr.)

Surinam: FOCKE 120 (fl. April); WULLSCHLÄGEL 499 ex Engler l. c. 80.

Amazon-district, French Guyana

Anthurium gracile (Rudge) Engl. in Engl. Bot. Jahrb. XXV. 370 (non Lindl).

Pothos gracilis Rudge Guyan. I. 23 t. 32

Lawa River, near Cottica: VERSTEEG 349 (fl. Octob.)

In forests, near Joden Savanne: KEGEL 1211 (fl. Nov.)

Paramaribo: WULLSCHLÄGEL 497, 498 p.p.

Surinam: MENZE ex Engler l. c. 81; HOSTMANN, 362.

Tropical South-America.

Anthurium scolopendrinum (Ham). Kth. Enum. pl. III. 68.

Paramaribo: WULLSCHLÄGEL 498 p p.; HOSTMANN 358 ex Engler l. c. 82.

Surinam: HOSTMANN H. L. B. 903, 322—350.

Northern Brazil, French Guyana.

var. β . **Poiteauanum** (Kth.) Engl. l. c. 82.

Anthurium Poiteauanum Kth. Enum III. 68.

Lower Surinam River, near Poelepantje: KEGEL 720.

Brazil, French Guyana.

Anthurium Martianum C. Koch et Kolb. in Wochenschrift für Gärtn. 1868. p 278.

Surinam ex Engler Monogr. 335.

Anthurium acaule Schott. Melet. I. 22.

Surinam River, near Plant. Zoelen : SPLITGERBER 435 H. L. B. 898, 87—290.

Paramaribo near Laan van Tourtonne : KEGEL 884 (fl. April).

West Indian Islands.

Anthurium pentaphyllum (Aubl.) Kth. Enum III. 81.

Paramaribo : SPLITGERBER 141 H. L. B. 898, 87—375.

Paramaribo, near Laan van Tourtonne : KEGEL 620 (fl. Aug.); 1209 (fl. July).

Paramaribo : WULLSCHLÄGEL 1094 ex Engler l. c. 101.

Lower Saramacca River : PULLE 62 (fl. Nov.)

Upper Coppename River : BOON 1196 (fl. Sept.)

Surinam : HOSTMANN H. L. B. 903, 322—308.

RHODOSPATHA Pöpp.

Rhodospatha oblongata Pöpp. Nov. Gen. et Spec. III. (1845) p. 91.

Surinam : WULLSCHLÄGEL ex Engler l. c. 106 (= *R. Surinamensis* Schott
in Bonplandia IX (1861) p. 368.

Tropical Brazil.

MONSTERA Adans.

Monstera obliqua Miq. Linnaea XVIII p. 79.

Upper Gonini River : VERSTEEG 251 (fl. Sept.)

Upper Tapanahoni River, near Drie Tabbetje : VERSTEEG 670 (fl. July).

Lower Surinam River, near plant. Jagtlust : WENT 32 (fl. July); near

Vredenburg-kreek : FOCKE 719 (fl. Octob.)

Lower Saramacca River : PULLE 78 (fl. Nov.) and 36 (fl. Nov.)

Upper Nickerie River : TULLEKEN 450 H. L. B. 903, 322—1516, and
486 H. L. B. 903, 322—1594. (fl. Sept.)

Surinam : HOSTMANN 171; WULLSCHLÄGEL 1093 ex Engler l. c. 113.

Monstera pertusa de Vriese Hort. Spaarnberg. 1839.

Upper Gonini River : VERSTEEG 104 (fl. Aug.)

Upper Tapanahoni River : VERSTEEG 529 and 577 (fl. July).

Lower Surinam River, near Geyersvlyt : KEGEL 826 (fl. March).

Lower Surinam River, near Jagtlust : FOCKE 830 (fl. Aug.)

Surinam : FOCKE 121 sub. *M. Mulleriana* Schott; SPLITGERBER 51 H. L. B.
898, 89—134.

All tropical South-America.

var. *γ. laniata* Schott in Öst. Botan. Zeitschrift 1858. p. 179.

Para district, near Berlijn : WULLSCHLÄGEL 1569 ex Engler l. c. 115.

Monstera dilacerata C. Koch. Ind. Sem. Hort. Berol. 1855.

Surinam : KEGEL 236.

Costa Rica, British Guyana.

SPATHIPHYLLUM. Schott.

Spathiphyllum blandum Schott in Öster. Botan. Wochenbl. 1857. p. 159.

Surinam ex Engler Monogr. 224.

Spathiphyllum Candolleanum Schott. Prod. 429.

Surinam: HOSTMANN 1154.

French Guyana.

Spathiphyllum cuspidatum Schott in Öst. Botan. Wochenbl. 1857 p. 158.

Surinam: SPLITGERBER ex Engler Monogr. p. 226.

British Guyana.

CYRTOSPERMA Griff.**Cyrtosperma americanum Engl.** Flora Bras. III. 2 p. 117.

Upper Tapanahoni River: VERSTEEG 864 (fl. Sept.)

French Guyana.

UROSPATHA Schott.**Urospatha Hostmanni Schott** in Bonpl. V. p. 128.

Surinam: HOSTMANN 34 in hb. Benth. ex Engl. Monogr. p. 277.

DRACONTIUM Linn.**Dracontium polyphyllum Linn.** Spec. plant. I. 967.*Dracontium surinamense Hort.*

Lower Surinam River, near plant. Jagtlust: SPLITGERBER 399 H. L. B.

898, 88—447.

Surinam: WULLSCHLÄGEL 1096.

Cultivated in the East-Indies.

Dracontium asperum C. Koch, in Ender. Ind. Ar. 44.

Upper Tapanahoni River: VERSTEEG 823 (fl. Aug.)

Paramaribo, near Wanica pad: KEGEL 928 (fl. July).

Vernacular name: "Sneki-Taja".

Northern Brazil.

MONTRICHARDIA Crüger.**Montrichardia arborescens Schott** Arac. Betreff. p. 4.

Upper Gonini River: VERSTEEG 80 (fl. Aug.)

Lower Surinam River: FÖCKE 277 and 1270 (fl. Octob.) = *Philodendron arborescens Kth.* v. Miquel Linnaea XVIII (1844) p. 78

Para River, near Onoribo: TULLEKEN 210 H. L. B. 903, 322—1517.

var: **β. aculeata (Schott)** Engl. Flora Bras. p. 128.

Lower Surinam River: KEGEL 951 (fl. July); SPLITGERBER 53 H. L. B.

898, 89—142; WEIGELT ex Engler l. c. 128

Very common in swamps, ditches on the riverside in stagnant water.

Vernacular name: "Mokko-Mokko".

Tropical Brazil and Guyana.

Montrichardia Splitgerberi Schott in Bonpl. 1859. p. 29.

Surinam: SPLITGERBER ex Engler Mon. p. 289.

PHILODENDRON Schott.

Philodendron surinamense (Schott) Engl. Mon. p. 361.

Elopium surinamense Schott in Öst Botan. Zeit 1865 p. 35.

Surinam: KAPPLER in Hb. Rheno-Traject.

Philodendron Rudgeanum Schott. Syn. 78.

Lower Surinam River, near plant. Quarta: KEGEL 817.

Surinam: HOSTMANN 136 in herb. Kew; PARKER, ex Engler Monogr. p. 364.

Philodendron Linnaei Kth. Enum. III. 47.

Surinam: DALBERG in hb. Vahl and in hb. Upsala ex Engler Monogr. 367.

Northern Brazil.

Philodendron insigne Schott. Syn. 73.

Para River: WULLSCHLÄGEL 865 ex Engler Mon. 367.

Philodendron heterophyllum Pöpp. Nov. gen. et Spec. III. 86 t. 297.

Lower Surinam River, near plant. Quarta: KEGEL 850 (fl. March).

Northern Brazil, Peru.

Philodendron sphalerum Schott. Prodr. 235.

Surinam: SPLITGERBER ex Engler Mon. p. 374.

Philodendron Splitgerberi Schott. Prodr. 251.

Surinam: SPLITGERBER ex Engler Monogr. p. 380.

Philodendron fragrantissimum Kth. Enum III. 49.

Upper Para River: WULLSCHLÄGEL 1567 ex Engler Monogr. p. 380.

British Guyana.

Philodendron grandifolium Schott. Melet I. 19

Paramaribo: KEGEL 946 (fl. July).

Para River, near Osembo: FOCKE

Venezuela, French Guyana.

Philodendron acutatum Schott. Syn. 94.

Paramaribo: WULLSCHLÄGEL 495 ex Engler Mon. 394.

Venezuela.

Philodendron laciniatum Engl. Flora Bras. III. 2 p. 163.

Para River: WULLSCHLÄGEL 1568 ex Engler I. c.

Northern Brazil.

Philodendron squamiferum Pöpp. Nov. gen. et Spec. III. 87.

Marowyne River: WULLSCHLÄGEL 1571 ex Engler Mon. p. 417.

DIEFFENBACHIA Schott.

Dieffenbachia Seguine Schott Melet. I. 20.

Tapanahoni River: VERSTEEG 667 (fl. July).

Orellana-kreek: FOCKE 723 (fl. Octob.)

Paramaribo: SPLITGERBER 196 H. L. B. 898, 88—443.

Near plant. Poelwijk: SPLITGERBER 802, H. L. B. 898, 88—444.

Paramaribo: TULLEKEN 54. H. L. B. 903, 322—1598 (fl. July).

Para River near Beekhuizen: KEGEL 919 (fl. June).

Surinam: HB. VAN HALL H. L. B. 898, 88—287.

Vernacular name: »Donkè».

Tropical South-America.

CALADIUM Vent.

Caladium bicolor Vent. Descript. Hort. Cels. t. 30.

Tapanahoni River: VERSTEEG 546 (fl. July).

Paramaribo: WENT 1. (fl. July).

Lower Saramacca River: PULLE 68 (fl. Nov.)

Surinam: HOSTMANN H. L. B. 903, 322—47.

forma 3. **rubicundum** Engl. Flora Bras. p. 181.

Pietersburg: WULLSCHLÄGEL 503 ex Engl. l. c. 182.

forma 35. **regale** Engl. l. c. 185.

Paramaribo: FOCKE 1270 named *C. surinamense* Miq. var. *immaculata*.

Paramaribo: KEGEL 1038 (fl. Nov.); 835 (fl. March).

Vernacular name: »Jabba foetoe».

Tropical South-America.

XANTHOSOMA Schott.

Xanthosoma conspurcatum Schott. Syn. Aroid. 61.

Paramaribo: WULLSCHLÄGEL 501 ex Engler Monogr. p. 482.

Xanthosoma helleborifolium (Jacq.) Schott in Öster. Botan. Zeitschrift 1865 p. 33. emend. Engl. Monogr. p. 486.

Arum helleborifolium Jacq. Icon. III. t. 613.

var. β **variegatum** (Schott) Engl. l. c. 487.

Xanthosoma variegatum Schott in Öster. Botan. Zeitschrift. 1865 p. 33.

Paramaribo: FOCKE 758; WULLSCHLÄGEL 1095 ex Engl. l. c. 487.

Venezuela, Peru, Columbia.

SYNGONIUM Schott

Syngonium affine Schott. Syn. Ar. 67.

Upper Tapanahoni River: VERSTEEG 862 (fl. Sept.)

Para district, near Beekhuizen : KEGEL 918.
 Paramaribo : WULLSCHLÄGEL 504.
 Lower Commewyne River : FOCKE 390 (fl. Sept.)
 Northern Brazil.

Syngonium Vellozianum Schott in Öster. Botan. Wochenblatt 1854.
 p. 418.
 Surinam : SPLITGERBER 406 H. L. B. 898, 90—248 (fl. Dec.)
 Northern Brazil.

PISTIA Linn.

Pistia Stratiotes Linn. Fl. Zeylan. p. 152 n°. 322.

var : γ . **obcordata (Hook) Engl.** Fl. Bras. p. 214.

Pistia obcordata Hook. Botan. Mag. t. 4564.

Paramaribo : FOCKE 820 named : *Pistia Horkeliana Mig.* in Linnaea
 XVIII (1844) p. 81.

Paramaribo, near plant. Quarta : KEGEL 340.

Lower Surinam River, near plant. Jagtlust : SPLITGERBER 1182 H. L. B.
 898, 89—263.

Surinam : SPLITGERBER 162 H. L. B. 898, 89—264 ; WEIGELT ex Engler
 l. c. 635, named : *Limnonesis commutata Klotzsch.*
 All tropical America.

LEMNACEAE.

LEMNA Linn.

Lemna paucicostata Hegelm. in Flora Bras. III 2 p. 20.

Paramaribo: WULLSCHLÄGEL 505.

Surinam: WEIGELT ex Hegelm l. c.

All tropical countries.

SPIRODELA Schleid.

Spirodela polyrrhiza (Linn.) Schleid. Linnaea XIII 392.

Lemna polyrrhiza Linn. spec. 1377.

Paramaribo: WULLSCHLÄGEL 1572, ex Hegelm. l. c. 22.

Cosmopolitan.

MAYACACEAE.

MAYACA Aubl.

- Mayaca longipes Mart.** Mss. in Herb. ex Seubert Flora Bras. III. 1. p. 229.
Upper Litanie River on sand at the riverside: VERSTEEG 369 (fl. Nov.)
Surinam: WULLSCHLÄGEL ex Seubert. l. c. 230.
Amazon-district.
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XYRIDACEAE.

XYRIS Linn.

Xyris arenicola Miq. *Linnaea* XVIII p. 75 = *Xyris surinamensis* Miq. in *Linnaea* XVII, p. 58.

Paramaribo, near Poelephantje : SPLITGERBER 85 H. L. B. 905, 88—131 (fl. Sept.)

Upper Surinam River : VERSTEEG 511 (fl. June); FOCKE 46.

Upper Nickerie River : TULLEKEN 368 H. L. B. 903, 322—111.

Surinam : HOSTMANN 424; HOSTMANN H. L. B. 903, 322—339.

Xyris savannensis Miq. *Linnaea* XVIII, p. 605.

Para district, near plant. Berlijn : FOCKE 1022 (fl. Sept.)

Northern Brazil.

Xyris laxifolia Mart. in *Flora* XXIV. Beibl. II. 58.

Paramaribo : SPLITGERBER 472 H. L. B. 905, 88—129. (fl. Jan.)

Para district, near Onoribo : SPLITGERBER 658 H. L. B. 905, 88—130;

LANDRÉ H. L. B. 905, 88—128.

Tropical South-America.

Xyris tenella Kth. *Enum. Pl.* IV. 9.

Para district in moist savannahs : SPLITGERBER 990. H. L. B. 905, 88—132 (fl. Apr.)

Tropical Brazil.

ABOLBODA H. B. K.

Abolboda grandis Griseb. *Linnaea* XXI. p. 281.

Surinam River near Joden Savanne : KEGEL 814 ex Griseb. l. c.

Surinam : HOSTMANN in herb. Rheno-Traject.

ERIOCAULACEAE.

PAEPALANTHUS Mart. (pro. p.)

Paepalanthus bifidus (Schrad.) Kth. Enum plant. III. (1841) 512.

Eriocaulon bifidum Schrad. in Röm. et Schult. Mantissa II. (1817) 468.

Gonini River: VERSTEEG 29 in moist savannahs (fl. Aug.)

Cottica River, near Post Belair: SPLITGERBER 1129 H. L. B. 903,
136—261 (fl. April).

Lower Saramacca River, near Maripaston: KEGEL 1475 (fl. May).

Surinam: FOCKE 1382; HOSTMANN 823; ROLANDER; WEIGELT.

Tropical Brazil, Guyana.

Paepalanthus subtilis Miq. Stirp. Surin. p. 221.

Upper Surinam River, near Joden Savannah: FOCKE 1319 (fl. May).

Upper Surinam River, in Savannah Kompas: WENT 367 (fl. Sept.)

Surinam: WEIGELT named: *Eriocaulon aciphyllum* Reichb. mss. teste

Körnicke Flora Bras. III. 1 p. 358; specimen in Hb. Lugd. Batav.

without collectors name N°. 903, 136—265.

var. **hirsuta** Ruhl. in „das Pflanzenreich" IV. 30 p. 157.

Lower Saramacca River, near Maripaston: KEGEL 1474 (fl. May).

Paepalanthus fasciculatus (Rottb.) Körn. Fl. Bras. III. 1. p. 357.

Eriocaulon fasciculatum Rottb. Act. litt. Havn. I. 271.

Upper Tapanahoni River: VERSTEEG 735 on rocks (fl. Aug.)

Surinam River, near Joden Savannah: KEGEL 1198 (fl. Nov.)

Para district near plant. Berlijn: SPLITGERBER 702 H. L. B. 903,
136—306 (fl. March). WULLSCHLÄGEL ex Ruhland l. c. 160.

Surinam: FOCKE 127 H. L. B. 903, 136—212; HOSTMANN 591.

Amazon-district, Venezuela, French Guyana

Paepalanthus Lamarckii Kth. Enum. plant. III. 506.

Lower Surinam River near plant. Jagtlust: FOCKE 480.

Paramaribo: TULLEKEN 78 H. L. B. 903, 322—1357 (fl. July); KEGEL
301 (fl. Aug.)

Surinam River, near Joden Savannah: KEGEL 1472 (fl. Nov.)

Upper Coppename River: BOON 1154 (fl. Sept.)

Surinam: FOCKE H. L. B 903, 136—217; HOSTMANN 31, 977.

Paramaribo: WULLSCHLÄGEL ex Ruhland l. c. 161.

Brazil, French Guyana, Venezuela.

SYNGONANTHUS Ruhland.

Syngonanthus simplex (Miq.) Ruhl. Pflanzenreich IV. 30 p. 248.

Paepalanthus simplex Miq. Stirp. Surin Select. p. 222.

Surinam River, near Joden Savannah: KEGEL 231a. (fl. Nov.)

Para district, near plant. Berlijn: SPLITGERBER 733 H. L. B 903, 136—408 (fl. March).

Surinam: HOSTMANN 633; FOCKE 1066 = *Eriocaulon Hostmanni* Steud. in Syn. plant. Cyp. II. 281.

Venezuela.

Syngonanthus eriophyllus (Mart.) Ruhl. l. c. 249

Paepalanthus eriophyllus Mart mss.

var. *calvescens* Ruhl. l. c. 249 = *Paepalanthus eriophyllus* var. α . Körn.

Fl. Bras. III. 1. p. 463.

Surinam River near Jodensavannah: KEGEL 231 (fl. Nov.)

Para district near plant. Berlijn: WULLSCHLÄGEL 762.

var. *glandulifera* Ruhl. l. c. 249 = *Paepalanthus eriophyllus* var. β . Körn. l. c. 464.

Para district near plant. Berlijn: WULLSCHLÄGEL 763 ex Ruhl. l. c.

Syngonanthus umbellatus (Lam.) Ruhl. in Urb. Symb. Antill. I. 483.

Eriocaulon umbellatum Lam. Encyc. III. 277.

Para district near plant. Berlijn: SPLITGERBER 698 H. L. B. 903, 136—278 on sandy spots, (fl. March).

Upper Para River: FOCKE 101.

Surinam River, near Joden Savannah: KEGEL 1471 (fl. Nov.) and 627 (fl. Nov.)

Surinam: HOSTMANN and KAPPLER ed. Hohenacker 592, 592a, 592b. (fl. May).

Tropical Brazil, Guyana.

Syngonanthus caulescens (Poir.) Ruhland l. c. 267.

Eriocaulon caulescens Poir. Encyc. Suppl. III. 162.

Upper Tapanahoni River: VERSTEG 738 (fl. Aug.)

Surinam River; near Joden Savannah: KEGEL 1105 in swamps (fl. Nov.)

Surinam: HOSTMANN and KAPPLER 1002 named *Paepalanthus surinamensis* Miq. Linnaea XIX p. 126.

All tropical South-America.

Syngonanthus Kegelianus (Körn.) Ruhl. l. c. 273.

Paepalanthus Kegelianus Körn. Fl. Bras. III. 1 p. 438.

Lower Saramacca River, near Maripaston: KEGEL 1473 in forests (fl. May).

TONINA Aubl

***Tonina fluviatilis* Aubl.** Plant. Guyan II. 856.

Paramaribo: KEGEL 192 in swamps (fl. July); TULLEKEN H. L. B. 903, 136—294; TULLEKEN 76 H. L. B. 903, 322—1355.

Surinam River, near Koffie djompo: VERSTEEG 476 in swamps.

Surinam: SPLITGERBER 187 H. L. B. 903, 136—290, common in swamps and on moist spots; WEIGELT H. L. B. 903, 136—298; LANDRÉ H. L. B. 903, 136—193; MOLKENBOER H. L. B. 903, 322—299; Dr. VOLTZ in Herb. Rheno Traject

Common in all tropical Brazil.

RAPATEACEAE.

RAPATEA Aubl.

Rapatea paludosa Aubl. Plant. Guyan. I, 305 t. 118.

Upper Para district near Sabakoeekreek: VAN HALL 17. (fl. Jan.)

Para district near plant. Berlijn: SPLITGERBER 734. H. L. B. 905, 88-96 and 97. (fl. March).

Upper Surinam River, near Blauwe Berg: SPLITGERBER H. L. B. 905, 88-95.

Lower Saramacca River near Maripaston: KEGEL 1136 (fl. May).

Surinam: HOSTMANN 2; KAPPLER 1432; WULLSCHÄGEL 842 ex Körnicke

Monogr. p. 464.

Tropical Brazil, Guyana.

SAXOFRIDERICIA Rob. Schomb.

Saxofridericia aculeata (L. C. Rich.) Körn. Monogr. p. 457.

Rapatea aculeata L. C. Rich. mss. in Herb. Franqueville cum descriptione.

Upper Gonini River: VERSTEEG 52 (fl. Aug.) in swamps.

Upper Tapanahoni River: VERSTEEG 630 (fl. July) in swamps.

Venacular name: „Phoboe”.

Guyana.

Of this species fruits or seeds are unknown until now. The fruit is unilocular and opens with three valves. The two other compartments of the gynaeceum are not developed, no more than the ovules in them. The fruit is only one-seeded. The seeds are coloured black, have the shape of elongated kidneys and are about 2 mm. long. They have transverse wrinkles.

SPATHANTHUS Desv.

Spathanthus unilateralis Desv. in Ann. Scienc. nat. XIII 45 t. 4. f. 1.

Paramaribo, near Oude Ryweg: KEGEL 814 (fl. March).

Upper Surinam River near Station Victoria: KAPPLER (fl. Dec.).

Para district near plant. Berlijn: WULLSCHLÄGEL 861 ex Körnicke

Monogr. p. 489.

Guyana.

BROMELIACEAE.

AECHMEA Ruiz et Pav.

Aechmea Mertensii Schult. fil. in Röm. et Schult. VII. p. 1272.

Upper Marowijne River, near Apatou: WENT 461 on trees (fl. Octob.)

Upper Litanie River: VERSTEEG 355 on trees (fl. Nov.)

Upper Gonini River: VERSTEEG 279 on rocks (fl. Octob.)

Upper Tapanahoni River, near Koddobakoe: VERSTEEG 857 on rocks (fl. Sept.)

Para River, near plant. Berlijn: WULLSCHLÄGEL 507, 1573, 1574 ex Mez. Flora Bras. III. 3 p. 329.

Upper Coppename River: BOON 1161 (fl. Sept.)

Surinam: FOCKE 437, 1155 in herb. Rheno Traj.; FOCKE H. L. B. 898, 318—5 named *Bilbergia Mertensii* Miq. in Linnaea XVIII p. 376.

French Guyana.

Aechmea mucroniflora Hook. Bot. Mag. tab. 4832.

Upper Litanie River: VERSTEEG 420 on trees (fl. Decemb.)

Surinam SPLITGERBER 54, H. L. B. 898, 318—7 (fl. Nov.)

Paramaribo: WULLSCHLÄGEL 1332, FOCKE 810; SPLITGERBER 651a. ex Mez, Monogr. p. 215.

Guyana, Northern Brazil, Trinidad.

Aechmea bromeliifolia (Rudge) Baker in Benth. Hook. Gen. plant. III. 664.

Tillandsia bromeliifolia Rudge Guyan. p. 32 t. 50.

Lawa River near Cottica: VERSTEEG 280 (fl. Octob.)

Upper Tapanahoni River: VERSTEEG 607 on trees (fl. July).

Guyana, tropical Brazil.

BILBERGIA Thnb.

Bilbergia violacea Beer Brom. 116.

Upper Litanie River near Knopaiamoi: VERSTEEG 404 on trees (fl. Dec.)

French Guyana.

WITTMACKIA Mez.

Wittmackia odora (Miq.) Mez Flora Bras. III. 3. p. 277.

Bilbergia odora *Miq.* Linnaea XVIII p. 377.

Paramaribo: SPLITGERBER 62 H. L. B. 898, 318—9 on trees (fl. May);

WULLSCHLÄGEL 1577; KEGEL 938 ex Mez. Monogr. 142.

Paramaribo, near Tourtonne: FOCKE 861 (fl. Febr.).

French Guyana, Northern Brazil.

ARAEOCOCCUS Brogn.

Araeococcus micranthus Brogn. in Ann. Sc. Nat. Ser. II. XV p. 370.

Gonini River: VERSTEEG 199 (fl. Sept.).

Guyana, Northern Brazil.

GRAVISIA Mez.

Gravisia aquilega (Salisb.) Mez Flora Bras. III. 3. p. 173.

Bromelia aquilega *Salisb.* Trans. Hort. Soc. I. p. 269.

Paramaribo: FOCKE 808 (fl. Nov.), named *Bromelia surinamensis* *Miq.*

Linnaea XVIII p. 378; SPLITGERBER 58 H. L. B. 898, 318—34 (fl.

Febr.); KEGEL 914; WULLSCHLÄGEL 1375 ex Mez. Monogr. p. 174.

Upper Para River, near Post Republik: TULLEKEN 217 H. L. B. 903,
322—1197.

Venezuela, French Guyana, Brazil.

PITCAIRNIA P'Herit.

Pitcairnia Kegeliania Schld. Linnaea 1851 p. 664.

Para River, near plant. Berlyn: WULLSCHLÄGEL 510.

Saramacca River, near Maripaston: KEGEL 1097 ex Mez. Monogr. p. 366.

French Guyana.

Pitcairnia nuda Bak. in Journ. of Bot. 1881. p. 269.

Upper Tapanahoni River near Mount Teeboe: VERSTEEG 785 (fl. and
fr. Sept.).

British Guyana.

Pl. I.

VRIESEA Lindl.

Vriesea procera (Mart.) Wittm. in Engl. Jahrb. XIII. Beiblatt. 29 p. 21.

Tillandsia procera *Mart.* apud Schult. fil. in Röm. et Schult. Syst. VII
p. 1224.

var. **gracilis (Gaudich.) Mez** in Flora Bras. III. 3. p. 539.

Paramaribo: SPLITGERBER 1003 H. L. B. 898, 318—140 on trees (fl. May).

KEGEL 924, ex Mez, Monogr. p. 589.

Tropical Brazil.



PHOTO VERSTEEG.

PITCAIRNIA NUDA BAKER.

Mount Kassikassima, Tapanahoni River.

CATOPSIS Griseb.

Catopsis sessiliflora (Ruiz et Pav.) Mez Monogr. p. 625.

Tillandsia sessiliflora Ruiz et Pav. Flora Peruv. Ill. p. 42.

Surinam River near Joden Savannah: SPLITGERBER 869 H. L. B. 898, 318—33 on trees (fl. April).

Surinam: WULLSCHLÄGEL 1100 ex Mez. l. c.

All tropical America.

Catopsis nitida Griseb. Flora West. Ind. Islands p. 599.

Paramaribo: KEGEL 864 ex Mez, Monogr. p. 626.

West Indian Islands.

TILLANDSIA Linn.

Tillandsia adpressiflora Mez Monogr. p. 661.

Upper Surinam River, near Bergendal: WULLSCHLÄGEL 1335 ex Mez. l. c.

Tillandsia aloifolia Hook. Exot. Fl. t. 205; Miq. in Linnaea XVII p. 66, and Linnaea XVIII p. 375, and Bull. des Sc. nat. en Néérl. 1838 cum icone.

Paramaribo: SPLITGERBER 610 H. L. B. 898, 318—77 on trees (fl. March)

Surinam: KEGEL 346, 1048; WULLSCHLÄGEL 509, 1963 ex Mez l. c. p. 670; Focke without number in Hb. Rheno-Traj.

All tropical America.

Tillandsia fasciculata Sw. Prodr. 56.

Surinam: SPLITGERBER 824 H. L. B. 898, 318—73 on trees (fl. April).

All tropical America.

Tillandsia punctulata Cham. et Schldl. Linnaea VI. p. 53.

Surinam: WULLSCHLÄGEL 1578 ex Mez. l. c. 688.

Mexico, Guatemala, Nicaragua, Costa Rica.

Tillandsia compressa Bert. ap. Röm. et Schult. Syst. VII, 1210.

Surinam: KEGEL 638; SPLITGERBER 654 ex Mez. l. c. 689.

Jamaica, Trinidad.

Tillandsia bulbosa Hook. Exot. Fl. t. 173.

Para River: SPLITGERBER 726 H. L. B. 898, 318—61 on trees (fl. March)

Upper Nickerie River, near Blanche Marie Falls: TULLEKEN 331 H. L. B. 903, 322—1593 and TULLEKEN 367 H. L. B. 903, 322—1591 on trees (fl. Sept.)

Surinam: HOSTMANN 560; WULLSCHLÄGEL 508 ex Mez. l. c. 722.

All tropical America.

Tillandsia paraensis Mez Flora Bras. Ill. 3. p. 586 t. 109.

Upper Litanie River: VERSTEEG 368 on trees (fl. Nov.)

Brazil, (Para-district).

Tillandsia Kegeliana Mez Monogr. p. 725.

Para River: SPLITGERBER 644 H. L. B. 898, 318—78 on trees (fl. March)

Paramaribo: KEGEL 802, 881 ex Mez. l. c. 725.

Tillandsia stricta Sol. ap. Sims in Bot. Mag. t. 1529.

Paramaribo: SPLITGERBER 608 H. L. B. 898, 318—107 on trees (fl. March)

Paramaribo: FOCKE 957, named *Tillandsia conspersa* Miq. Linnaea XVIII p. 376

Surinam: WULLSCHLÄGEL 36, 1098 ex Mez. l. c. 821,

Tropical and subtropical South-America.

Tillandsia pulchella Hook. Exot. Fl. t. 154.

var. ♂ **surinamensis** (Miq.) Mez in Flora Bras III 3 p. 603.

Tillandsia surinamensis Miq. Mss. in Hostmann plantae surinam, ed. Hohenacker n. 592a et 592b.

Para district: SPLITGERBER 670 H. L. B. 898, 318—86, 87.

Surinam: KEGEL 801; WULLSCHLÄGEL 1097; HOSTMANN 592a, 592c.

Guyana, tropical and subtropical Brazil.

Tillandsia monadelpha Bak. in Journ. of Bot. 1887 t. 281.

Lower Surinam River near plant. Jagtlust: SPLITGERBER 408 H. L. B. 1099. 898, 318—80 on trees (fl. Dec.).

Surinam: KEGEL 823; WULLSCHLÄGEL 1938 ex Mez. l. c. 842.

French Guyana.

Tillandsia usneoides Linn. Spec. plant. ed. II. p. 411.

Paramaribo: SPLITGERBER 160 H. L. B. 898, 318—127.

Lower Saramacca River: WENT 159, WULLSCHLÄGEL 1099.

All tropical and subtropical America.

GUZMANIA Ruiz et Pav.**Guzmania lingulata** (Linn.) Mez. Monogr. p. 899.

Tillandsia lingulata Linn. Spec. pl. Ed. I. p. 286.

Cottica River, near Post Belair: SPLITGERBER 805 H. L. B. 898, 318—31 on trees (fl. April).

Lower Surinam River, near plant. Jagtlust: WENT without number.

Surinam: KEGEL 815 ex Mez. l. c. 900.

Guyana, West-Indian Islands.

Guzmania Splitgerberi Mez Monogr. p. 930.

Upper Surinam River, near Blauwe Berg: SPLITGERBER 966 H. L. B. 898, 318—35 on trees (fl. May).

ANANAS Adans.**Ananas sativus** Schult. fil. in Röm. Schult. Syst. VII 1283.

Common in the colony on rocks, and cultivated.

COMMELINACEAE.

PHAEOSPERION Hassk.

Phaeosperion persicariaefolium (D. C.) Clarke in Decand. Monogr.
Phan. III. (1881) p. 137.

Commelina persicariaefolia D. C. in Redouté Lil. 8 tab. 472.

Upper Tapanahoni River, near Drie tabbetje: VERSTEEG 673 (fl. July).

Lower Surinam River, near plant. Jagtlust: WENT 66 (fl. Aug.)

Para district; SPLITGERBER 1062 H. L. B. 899, 258—403 in forests
(fl. May) named: *Commelina ferruginea* Splitg. Mss.

Surinam: HOSTMANN without number in herb. Rheno-Tracjet; DUMORTIER
without number in hb. Rheno-Traject.

var: *β. scabrata* (Seub.) Clarke l. c. 137.

Commelina scabrata Seub. Flora Bras. III. 1 p. 266.

Surinam: HOSTMANN 203, 423 ex Clarke l. c.

Vernacular name: "Gado dede, mi sa dede."

Guyana, tropical Brazil.

COMMELINA Linn.

Commelina nudiflora Linn. Spec. plant. I. p. 61.

Near Paramaribo: TULLEKEN 50 H. L. B. 903, 322—1301.

Pauluskreek: FOCKE 1260 (fl. Sept.)

Lower Saramacca River, near plant Vier Hendrikken: WENT 217
(fl. Aug.)

Nickerie: TULLEKEN 294. H. L. B. 903, 322—1222 (fl. Aug.) and
532 H. L. B. 903, 322—941 (fl. Octob.)

Surinam: SPLITGERBER 279 H. L. B. 899, 258—463 (fl. Dec.); hb.

MOLKENBOER H. L. B. 899, 258—460; hb. VAN HALL H. L. B. 899,
258—304; HOSTMANN H. L. B. 903, 322—169.

Vernacular name: "Gado dede, mi sa dede."

All tropical countries.

Commelina virginica Linn. Spec. plant. p. 61.

Marowijne River: KAPPLER ed Hohenacker 1850 on sandy spots,
named *C. elegans* H. B. K.

Surinam River, plant. Zwarigheid : FOCKE without number (fl. Oct.)
 Para River in savannah Berlijn : VAN HALL 55 (fl. Jan.)
 Cottica district near post Belair : SPLITGERBER 803 H. L. B. 899, 258—589
 (fl. April).
 Tropical and subtropical America.

ANEILEMA R. Br.

Aneilema ovato-oblongum Beauv. Fl. d'Owar. II. p. 71 t. 104.
 Lower Surinam River, near plant. Meerzorg : FOCKE 465, named
Commelina albiflora Miq. in schedul; near plant. Jagtlust : WENT 74
 in forests (fl. August).
 Surinam : HOSTMANN 629 in Hb. Rheno-traject. named *Dithyrocarpus*
Schomburgkianus Kth.
 Tropical Africa and America.

DICHORISANDRA Mikan.

Dichorisandra Aubletiana Röm. et Schult. Syst. VII p. 1181.
 Marowijne River : KAPPLER ed Hohenacker 1851 on sandy spots
 (fl. July).
 Upper Gonini River : VERSTEEG 103 (fl. Aug.)
 Upper Marowijne River, near Poeloegoedoe : VERSTEEG 621 (fl. July).
 Litanie River : VERSTEEG 373 (fl. Nov.)
 Tapanahoni River, near Drie Tabbetje : VERSTEEG 686 (fl. July).
 Lower Surinam River, near plant. Jagtlust : SPITGERBER 385 H. L. B.
 899, 259—9 in forests (fl. Dec.)
 Para River, near Onoribo : FOCKE 884 (fl. March); near plant. La
 Rencontre : FOCKE 790 (fl. April); near Post Vredenburg : FOCKE
 687 (fl. Octob.)
 Upper Saramacca River : PULLE 206 (fl. March).
 Surinam : HOSTMANN H. L. B. 903, 322—73; KAPPLER H. L. B. 903,
 322—405; VAN HALL 56.
 All tropical America.

TRADESCANTIA Linn.

Tradescantia elongata G. F. W. Meyer Flora Esseq. p. 146.
 Paramaribo : VAN HALL 54 in ditches (fl. Febr.).
 Near Paramaribo : VERSTEEG 503 (fl. June).
 Paradiſtrict near Santigron : WENT 194 (fl. Aug.).
 Lower Saramacca River, near plant. Hamburg : SPLITGERBER 851 H.
 L. B. 899, 259—284 at the riverside (fl. April).
 Wanica kreek : FOCKE 400, named *Tradescantia guyanensis* Miq. in
 Linnaea XVIII p. 374.

Surinam: HOSTMANN H. L. B. 903, 322—172.

Tropical and subtropical South-America.

Tradescantia geniculata Jacq. Amer. Hist. p. 94 t. 64.

Lower Surinam River, near plant. Jagtlust: SPLITGERBER 581 H. L. B. 899, 259—278 in forests (fl. Febr.).

Surinam: HOSTMANN and KAPPLER 1651 named *Tradescantia floribunda Kth* ; KAPPLER 1568 named *Tradescantia floribunda Kth. var. angustifolia* Mig.

PONTEDERIACEAE.

EICHHORNIA Kunth.

Eichhornia natans (Beauv.) Solms Monogr. Phanerog. IV. p 526.

Pontederia natans Beauv. Fl. d'Oware II. p 18. t. 68 f. 2.

Paloemee River: VERSTEEG 905, floating in stagnant water (fl. Octob.)

Upper Saramacca River: PULLE 496 (fl. Jan.).

Tropical Africa and South-America.

Eichhornia crassipes (Mart.) Solms l. c, 527.

Pontederia crassipes Mart. ap. Röm. et Schult. Syst. VII. p 1137.

Upper Lawa River, near Cottica: VERSTEEG 372 (fl. Octob.)

Paramaribo: FOCKE 97 named *Heteranthera formosa* Miq. in Linnaea XVII p. 61 = *forma Eichhorniae azureae* ex Miq. Stirp. Surin. Select p 220.

Paramaribo: SPLITGERBER 236 H. L. B. 905, 88—92 in stagnant water (fl. Dec.).

Upper Nickerie River: TULLEKEN 526 H. L. B. 903, 322—935 (fl. Octob.)

Surinam: HOSTMANN H. L. B. 903, 322—283; HOSTMANN Hb. Rheno-Traject. without number; KAPPLER Hb. Rheno-Traject, without number; WULLSCHLÄGEL 755; COULON 62; KAPPLER 1952 ex Solms l. c. 528.

Tropical and subtropical America.

Eichhornia azurea (Sw.) Kth. Enum. pl. IV. p. 129.

Pontederia azurea Sw. Fl. Ind. Occ. I. p 609.

Paramaribo: SPLITGERBER 193 H. L. B. 905, 88—90, 89 in stagnant water (fl. Nov.)

Lower Surinam River: KAPPLER ed. Hohenacker 1842 (fl. Octob.)

Surinam: HOSTMANN H. L. B. 903, 322—333.

All tropical and subtropical South-America.

PONTEDERIA Linn.

Pontederia rotundifolia Linn. Suppl. 192.

Commewyne River near plant. Potribo: SPLITGERBER 481 H. L. B. 905, 88—93 (fl. Jan.)

Upper Commewyne River: FOCKE 189 (fl. Sept.) named *Pontederia eriantha* *Miq.* in *Linnaea* XVII p. 60 and in *Stirp. Surin. Select* p. 220; FOCKE in *Tijdschrift Wis- en Natuurkund. Wetenschappen* I. p. 210.

Surinam: DUMORTIER without number in *Hb. Rheno-Traject*; WULL-SCHLÄGEL 1648 ex Solms l. c. 534.

Tropical and subtropical South-America.

LILIACEAE.

SMILAX Tourn.

Smilax cumanensis Willd. Spec. pl. IV. p. 783.

Matappica River · FOCKE, named *Smilax surinamensis* Miq. in Linnaea XVII p. 63.

Surinam: HOSTMANN and KAPPLER ed. Hohenacker 1202, named *Smilax irrorata* Griseb. in schedul.; HOSTMANN H. L. B. 903, 322—37; FOCKE in Hb. Götting. 443.

Tropical South-America.

Smilax Hostmanniana Kth. Enum. V p. 170.

Paramaribo: KEGEL 129 (fl. July), named *Smilax surinamensis* Miq.

Lower Saramacca River, near Post Groningen: WENT 161 (fl. Aug.)

Surinam: HOSTMANN 388 in Hb. Boiss; 1219 in Hb. Berol; SPLITGERBER in Hb. Mus. Paris. named *Smilax globulifera* Splitgerb. ex De Cand. l. c. 119.

Smilax Schomburgkiana Kth. Enum. V. p. 187.

Surinam: KAPPLER 2071 in Hb. Vind.; HOSTMANN 954, 997 in Hb. Berol.; 557 in Hb. Florent.; KAPPLER H. L. B. 903, 322—509.

British Guyana, Northern Brazil.

var. β *gracilis*. A. DC. l. c. 156.

KAPPLER ed. Hohenacker 1202 p. p. named *S. irrorata* Griseb

YUCCA Linn.

Yucca filamentosa L. Spec. plant. 319.

Paramaribo, cultivated in gardens: KEGEL 914 teste Grisebach Linnaea XXI p. 280.

North-America.

CORDYLINE Comm.

Cordyline terminalis Kth. Abh. Acad. Berl. (1820) p. 30.

Paramaribo, cultivated in gardens: KEGEL 1243 teste Grisebach Linnaea XXI. p. 281.

East India.

HAEMODORACEAE.

XIPHIDIUM Aubl.

Xiphidium coeruleum Aubl. Pl. Guyan. I 33 t. 11.

Marowayne River: KAPPLER Ed. Hohenacker 1654 in forests (fl. March).

Lawa River, near Cottica Mountains: VERSTEEG 339 (fl. Octob.)

Upper Tapanahoni River: VERSTEEG 640 (fl. July).

Paramaribo: KEGEL 856 in forests (fl. March) named *Xiphidium Fockeanum* Miq.

Lower Surinam River, near Jagtlust: WENT 79 (fl. Aug.)

Paramaribo: FOCKE 293 (fl. April) = *Xiphidium Fockeanum* Miq. in
Linnaea XVII p. 65.

Lower Saramacca River, near Mindrinetti: PULLE 29 (fl. Nov.)

Upper Coppename River, near Raleigh-falls: BOON 1023 (fl. Aug.)

AMARYLLIDACEAE.

CRINUM Linn.

Crinum erubescens Solandr. in Ait. Hort. Kew. Ed. I 431.

Paramaribo: SPLITGERBER 84 H. L. B. 897, 324—86 in water (fl. Nov.)

Paulus-kreek: WENT 554 (fl. Nov.)

Saramacca River, near Groningen: WENT 231 in ditches (fl. Aug.)

Surinam: FOCKE 435 (fl. Sept.)

Tropical South-America.

Crinum scabrum Sims. Botan. Mag. t. 2180.

Paramaribo: KEGEL 853 cultivated in gardens ex Griseb Linnaea XXI. p. 278. Brazil.

HYMENOCALLIS Salisb.

Hymenocallis tubiflora Salisb. in Trans. Hort. Soc. I. 341.

Marowynne River, near Loca-loc: VERSTEEG 459 (fl. Jan.)

Upper Commewyne District, near plant. Canawappibo: SPLITGERBER 303 H. L. B. 897, 326—18 (fl. Dec.) named *Pancratium guyanense Ker.*

Saramacca River, near Maripaston: KEGEL 1333 (fl. May).

Tropical South-America.

Hymenocallis obtusata (Griseb.) Pulle.

Pancratium obtusatum Griseb. Linnaea XXI. p. 277.

Paramaribo: KEGEL 948 in ditches (fl. July).

HIPPEASTRUM Herb.

Hippeastrum equestre (Ait.) Kunth. Enum V. p. 523.

Amaryllis equestris Ait. Hort. Kew. I. p. 417.

Lawa River, near Cottica Mountains: VERSTEEG 299 (fl. Octob.)

Paramaribo: KEGEL 1025 (fl. Octob.); SPLITGERBER 251 H. L. B. 897, 324—119 (fl. Dec.)

Saramacca River, near Groningen: WENT 177 (fl. Aug.)

Surinam: WEIGELT H. L. B. 897, 326—13.

Tropical America.

FOURCROYA Schult.

Fourcroya gigantea Vent. in Bull. Soc. Philom. I. 65.

Upper Tapanahoni river: VERSTEEG 847 (fl. Aug.)

Paramaribo: SPLITGERBER 108 H. L. B. 897, 324-89 (fl. Dec.)

Surinam: FOCKE 436 (fl. Sept.)

Cultivated everywhere in the colony.

Vernacular name: »Injie sopo" (Indian soap.)

HYPOXIS Linn.

Hypoxis decumbens Linn. Pl. Jam. Pugill. 11.

Upper Surinam River, near Bergendal: FOCKE 1296 (fl. May).

Surinam: HOSTMANN 1316.

Tropical America.

DIOSCOREACEAE.

DIOSCOREA Linn.

Dioscorea cayennensis Lam. Enc. III. 323.

Upper Gonini River: VERSTEEG 152 ♂ (fl. Aug.)

French Guyana, Northern Brazil.

Dioscorea amazonum Mart. Mss. ex Griseb. Flora Bras. III. 1. p. 39.

Upper Tapanahoni River: VERSTEEG 913 ♂ (fl. Octob.).

Para River, near Plant. la Prospérité: FOCKE 1020 (fl. Sept.).

Surinam: HOSTMANN 883 in Hb. Rheno Traj. named by Miquel: *Dioscorea surinamensis* Miq. and by Kunth: *Dioscorea elegantula* Kth.

Enum V. p. 366.

Northern Brazil.

Dioscorea polygonoides H. B. K. Nov. Gen. et Spec. I. 274.

Paramaribo: FOCKE 781 ♂ (fl. April).

Paramaribo, near Plant. Quarta: KEGEL 442 and 958 ♀ named: *Dioscorea Kegeliana* Grisebach Linnaea XXI. p. 279.

Surinam: HOSTMANN 906 in Herb. Rheno Traj. and in H. L. B. 903, 322—81.

Northern Brazil, Guyana.

Dioscorea trifida Linn. f. Suppl. 427.

Upper Tapanahoni River, near Drie Tabbetje: VERSTEEG 695 ♀ (fl. July).

Paramaribo: FOCKE 1109 ♂ (fl. May).

Paramaribo, near plant. Quarta: KEGEL 903 (fl. June); HOSTMANN Hb.

Rheno-Traj. 767; HOSTMANN H. L. B. 903, 322—327; FOCKE 618, named: *Dioscorea truncata* Miq. Linnaea XVIII p. 23; HOSTMANN 555 = *Dioscorea affinis* Kunth Enum V. p. 372.

Cultivated in the colony. Vernacular name: 'Napi'.

Guyana.

MUSACEAE.

MUSA Linn.

Musa paradisiaca Linn. Spec. plant. Ed. I. 1043.

Surinam: SPLITGERBER 530 H. L. B. 905, 88—120.

Cultivated in several varieties.

Vernacular name: „Bana”, „Bacove” or „Bakoeba”.

All tropical countries.

RAVENALA Adans.

Ravenala guyanensis (L. C. Rich.) Benth. in Genera pl. III. 657.

Urania guyanensis L. C. Rich. in Nova Acta Acad. nat. cur. XV. suppl.
21 t. 6—8.

Phenakospermum guyanense Endl. v. Miquel Stirp. Surin. Select. p. 212
tab. 62 and 63.

Paramaribo: WULLSCHLÄGEL 1138 ex Petersen Flora Bras. III. 3. p. 6;

SPLITGERBER H. L. B. 905, 88—127.

Vernacular name: „Bosch-Banaan”.

Northern Brazil; French Guyana.

HELICONIA Linn.

Heliconia Bihai Linn. Mant. II. p. 211.

Litanie River: VERSTEEG 408 (fl. Dec.)

Paramaribo: SPLITGERBER 59 H. L. B. 905, 88—117 (fl. Nov.)

Upper Coppename River, near Raleigh-falls: BOON 1015 (fl. Aug.)

Surinam: FOCKE 122; WULLSCHLÄGEL 521 ex Petersen l. c. 17.

Vernacular name: „Palaloe” (Splitgerber.)

All tropical America.

Heliconia acuminata L. C. Rich. in Nova Acta Acad. nat. cur. XV.
suppl. t. 11.

Upper Surinam River, near Bergendal: FOCKE 368 (fl. Sept.)

Lower Saramacca River, near Mindrinetti: PULLE 42 (fl. Nov.)

Upper Coppename River: BOON 1182 (fl. Sept.)

Common in forests.

Venezuela, Northern Brazil, French Guyana.

Heliconia brasiliensis Hook. Exot. Flora p. 190.

Surinam River, near Koffiedjompō: VERSTEEG 517 (fl. June).

Para River, near Osembo: FOCKE 577 named: *Heliconia Richardiana* Miq. in sched.

Surinam: SPLITGERBER H. L. B. 905, 88—123 named: *Heliconia flavescens* Splitg. c. descript.

Northern Brazil, French Guyana.

Heliconia psittacorum Linn. f. Suppl. (1781) 198.

Paramaribo: TULLEKEN 127 H. L. B. 903, 322—1481 (fl. Aug.)

Lower Surinam River, near Jagtlust: TULLEKEN 98 H. L. B. 903, 322—1377 (fl. July); WENT 56 (fl. Aug.)

Para district near Savanne Kompas: WENT 376 (fl. Sept.)

Surinam: SPLITGERBER 40 H. L. B. 905, 88—119 (fl. Nov.); FOCKE 1360 (fl. Octob.); TULLEKEN 83 H. L. B. 903, 322—1362; SPLITGERBER H. L. B. 905, 88—126, named: *Heliconia inaequalis* Splitg.

in sched. c. descript.; VAN HALL 94; WULLSCHLÄGEL 522 and 594; HOSTMANN 972 ex Petersen l. c. 23.

Vernacular name: »Popokaitongo» (Parrot's tongue).
All tropical South-America.

Heliconia hirsuta Linn. f. Suppl. 158.

var. α **cannoidea** (L. C. Rich.) Baker. Ann. of Bot. VII. 197.

Heliconia cannoidea L. C. Rich. Nova Acta Acad. nat. cur. XV. suppl. t. 9 et 10.

Lower Saramacca River, near Mindrinetti: PULLE 40 (fl. Nov.)

Surinam: VOLTZ without number in Hb. Rheno-Traject.

All tropical South-America.

ZINGIBERACEAE.

HEDYCHIUM König.

Hedychium coronarium König in Retz. Observ. III. 73.

Lower Marowijne River, near Albina: VERSTEEG 530 (fl. July).

Surinam: SPLITGERBER 1056 H. L. B. 905, 88—115 (fl. June).

East-India; cultivated in all tropical countries.

AFRAMOMUM K. Schum.

Aframomum melegueta (Roscoe) K. Schum. in Engl. Bot. Jahrb. XV. (1892) 417.

Amomum melegueta Roscoe Monandr. Plants (1828) t. 98.

Lower Surinam River, near Plant. Domburg: TULLEKEN 185 H. L. B. 903, 322—1417.

Surinam: SPLITGERBER 538 H. L. B. 905, 88—99, 100 (fl. Jan.)

Cultivated.

Vernacular name: »Ningre-kondre-pepre.»

Tropical Africa.

RENEALMIA Linn. f.

Renealmia exaltata Linn. f. Suppl. 79.

Paramaribo, near plant. Tourtonne: KEGEL 936 (fl. June).

Near Paramaribo: TULLEKEN 413 H. L. B. 903, 322—1196 (fl. Sept.)

Paramaribo: PREUSS 1391 in Herb. Berol. ex Schumann, Pflanzenreich IV. 46 p. 296.

Lower Saramacca River, near Post Groningen: WENT 234 (fl. Aug.)

Surinam: SPLITGERBER 316 H. L. B. 905, 88—122 (fl. Dec.); FOCKE 801 (fl. April); WULLSCHLÄGEL 1134 ex Schum. l. c.

Vernacular name: »Massoesa».

Guyana, West Indian Islands.

Renealmia occidentalis (Swartz) Sweet. Hort. brit. ed. 2 p. 493.

Alpinia occidentalis Swartz Prodr. Fl. Ind. Occ. p. 11.

Marowyne River, near Poeloegoedoe: VERSTEEG 627.

Coppename River, near Raleighfalls: BOON 1014
 Vernacular name: »Blakka massoesa."
 West-Indian Islands, Columbia, Venezuela, British Guyana.

Renealmia monosperma Miq. Linnaea XXII. p. 80.

(not enumerated by Schumann in »das Pflanzenreich").

Saramacca River, near Groote Poica: KEGEL 1470 (fl. May) in Hb.
 Götting. and Hb. Rheno-Traject.

ALPINIA Linn.

Alpinia speciosa (Wendl.) K. Schum. in Flora Kaiser Wilhelmsland p. 29.

Zerumbet speciosum Wendl. Sert. Hann. t. 19.

Paramaribo, Palmgardens: WENT 363 (fl. Sept.)

Surinam: SPLITGERBER 1036 H. L. B. 905, 88—98.

Cultivated in the colony.

China and Japan.

COSTUS Linn.

Costus discolor Roscoe Monandr. Plants t. 81.

Paramaribo, in forests: SPLITGERBER 124 H. L. B. 905, 88—114 (fl. Nov.)

Para River, near Post Republiek: TULLEKEN 237 H. L. B. 903, 322—1161,
 1177, 1567 (fl. Aug.).

Vernacular name: Sangrafoe.

Brazil.

Costus niveus G. F. W. Meyer Prim. Esseq. 1.

Lower Surinam River, near plant. Jagtlust: SPLITGERBER 116 H. L. B.
 905, 88—111, 112 (fl. Nov.); WENT 69 (fl. Aug.)

Paramaribo: KEGEL 480.

Upper Saramacca River: PULLE 470 (fl. March).

Cottica River, near plant. Hamburg: RODSCHIED ex Schumann l. c. 401.

Vernacular name: Sangrafoe.

British Guyana

Costus cylindricus Jacq. Fragm. t. 77.

Surinam River, near plant. Quarta: KEGEL 807 (fl. Febr.)

Saramacca River: PULLE 163 in forests (fl. Jan.)

Coppename River: BOON 1198 (fl. Sept.)

Upper Nickerie River: TULLEKEN 421 H. L. B. 903, 322—1187 (fl. Sept.)

var. α *ciliatus* (Miq.) Petersen Flora Bras. III. 3 p. 54.

Costus ciliatus Miq. Linnaea XVIII p. 73.

Upper Surinam River, near Cassepoera: TULLEKEN 156 H. L. B. 903,
 322—1532 (fl. Aug.).

Surinam: FOCKE 123.

Vernacular name: „Fico-Fico” (Tulleken.)

Tropical America.

Costus scaberulus L. C. Rich. apud Gagnepain Bull. Soc. Bot. de France
4 série. II. p 99.

Lower Surinam River, in forests: VERSTEEG 496 (fl. June).

Surinam: SPLITGERBER 317 H. L. B. 905, 88—113 (fl. Dec.)

Vernacular name: Sangrafoe.

French Guyana.

CANNACEAE.

CANNA Linn.

Canna coccinea Ait. Hort. Kew. Ed. II. p. 1.

Paramaribo: KEGEL 964 in swamps (fl. Aug.); VERSTEEG 582 (fl. July).

Surinam: HOSTMANN 614 named by Miquel: *Canna surinamensis*
Bouché in Linnaea XVIII p. 491; SPLITGERBER 436 H. L. B. 905,
88—105, 106, 107 and 108.

Vernacular name: „Sakka” or „Sakka sirie” or „Krekrere”.

Tropical South-America.

Canna glauca Linn. Spec. plant. Ed. I. p. 1.

Paramaribo: KEGEL 967 in swamps (fl. Aug.), named by Miquel
Canna angustifolia Linn. in Linnaea XXII p. 78.

Surinam, in swamps: SPLITGERBER 351 H. L. B. 905, 88—102 and
103 (fl. Dec.): HOSTMANN H. L. B. 903, 322—173; WULLSCHLÄGEL
511 ex Petersen Flora Bras. III. 3 p. 72.

Tropical South-America.

MARANTACEAE.

CALATHEA G. F. W. Meyer.

Calathea elliptica (Rosc.) K. Schum. in „das Pflanzenreich IV 48 p. 75.

Phrynium ellipticum Roscoe Monandr. Plants t. 44.

Upper Marowijne River, near Poeloegoedoe: VERSTEEG 632 in forests (fl. July).

Lower Surinam River, near Paramaribo (Wanicapad): WULLSCHLÄGEL 517 ex Schumann l. c.

Lower Surinam River, near Jagtlust: SPLITGERGER 397 H. L. B. 901, 199—61 and 62 in forests (fl. Dec.); FOCKE 477 named: *Heliconia surinamensis* Miq. in sched. and *Calathea an violacea* Lindl? by Miq. in Linnaea XVIII p. 73; WENT 81 in forests (fl. August).

Calathea alluia (Aubl.) Lindl. in Bot. Reg. sub. t. 1210.

Maranta alluia Aubl. Plant. Guyan. l. 3.

Surinam, near Ornamibo: FOCKE 893 (fl. March) named by Miquel Linnaea XVIII p. 605 : *Phrynium Alloya* Rosc.

West-Indian Islands.

Calathea comosa (Linn. f.) K. Schum. in das Pflanzenreich IV. 48 p. 89.

Maranta comosa Linn. f. Suppl. 80.

Lower Surinam River, near plant. Jagtlust; SPLITGERBER 423 H. L. B. 901, 199—52 and 53 in swamps (fl. Dec.)

Surinam: DALBERG ex Linn. f. l. c., Schumann l. c. 89.

Peru.

Calathea altissima (Pöpp. et Endl.) Körn. in Bull. Soc. natur. Moscou XXXV. 1. 141.

Phrynium altissimum Pöpp. et Endl. Nov. Gen. et Spec. II. p. 20.

Surinam: WEIGELT ex Schumann l. c. 95.

Northern Brazil, Peru.

Calathea propinqua (Pöpp. et Endl.) Körn. in Bull. Soc. natur. Moscou XXXV. 1. p. 122.

Phrynium propinquum Pöpp. et Endl. Nov. Gen. et Spec. II. p. 18.

Lower Surinam River, near Paramaribo : KEGEL 812 in forests (fl. March) named by Miquel: *Maranta arundinacea* L.

Surinam River, near Koffiedjampo: VERSTEEG 518 (fl. June).

Lower Surinam River, near Jagtlust: SPLITGERBER 592 H. L. B. 901, 199—63 (fl. Febr.)

Para district: KAPPLER 1463 (fl. Febr.-April) ex Schumann l. c. 98.

Para district, near Osembo: FOCKE 33 H. L. B. 901, 199—64 (fl. April).

Surinam: HOSTMANN 128 ex Schumann l. c.; Dr. VOLTZ in Hb. Rheno-Traject.

Northern Brazil.

***Calathea strobilifera* (Miq.) Körn.** in Bull. Soc. Nat. Moscou XXXV. 1 p. 143.

Marantha strobilifera Miq. in Linnaea XXII p. 79.

Saramacca River, near Groote Poica: KEGEL 1469 in forests (fl. May)

***Calathea grandis* Petersen** Fl. Bras. III. 3 p. 124.

Paramaribo: WULLSCHLÄGEL 516 in forests.

***Calathea zingiberina* Körn.** in Bull. Soc. Nat. Moscou XXXV. 1. p. 122.

Para River: WULLSCHLÄGEL 1137 ex Petersen l. c. 116 t. 28.

Northern Brazil.

MARANTA Linn.

***Maranta arundinacea* Linn.** Spec. Plant ed. I. p. 2.

Marowijne River, near Albina: VERSTEEG 550.

Surinam River, near plant. la Rencontre: FOCKE 793 (fl. April) named:

Maranta protracta Miq. in Linnaea XVIII p. 71.

Paramaribo: VERSTEEG 463 (fl. June); TULLEKEN 31 H. L. B. 903, 322—1271 (fl. July).

Cottica River, near Oranjewoud: FOCKE 724 (fl. Octob.)

Para River, near Osembo: FOCKE 573 (fl. April).

Surinam: HOSTMANN H. L. B. 903, 322—218 and 209; Dr. VOLTZ without number in Hb. Rheno-Traject; SPLITGERBER 339 H. L. B. 901, 199—12 and 460 H. L. B. 901, 199—14.

Vernacular name: Arrow-root.

All tropical countries.

***Maranta divaricata* Rosc.** Monandr. pl. t. 27.

Lawa River, near Cottica: VERSTEEG 330 (fl. Octob.).

Upper Tapanahoni River: VERSTEEG 789 (fl. Sept.).

Brazil, Venezuela, Columbia, British-Guyana.

MYROSMA Linn. f.

***Myrosma cannifolia* Linn. f.** Suppl. p. 80.

Para district: SPLITGERBER 1035 H. L. B. 905, 88—121 in forests (fl. May).

Para River, near Onoribo: FOCKE 889 in savannahs (fl. March).
Guyana, Venezuela.

ISCHNOSIPHON Körnicke.

Ischnosiphon surinamensis (Miq.) Körn. in Bull. Soc. nat. Moscou XXV.

1. p. 93.

Maranta surinamensis Miq in Linnaea XVIII p. 603 and XXII p. 79.

Lower Surinam River, near plant. Quarta: KEGEL 472 in forests (fl. Aug.).

Para River, near Onoribo: FOCKE 892 in savannahs (fl. March);

HOSTMANN and KAPPLER 1525 ex Schumann l. c. 160

French Guyana, Northern Brazil.

Ischnosiphon gracilis (Rudge) Körn. in Bull. Soc. natur. Moscou XXXV.

1. p. 94.

Maranta gracilis Rudge Pl. guyan. p. 58 t. 3.

Lawa River, near Cottica Mountains: VERSTEEG 309 in swamps (fl. Octob.)

Upper Marowijne River, near Poeloegoedoe: VERSTEEG 590 in forests
(fl. July).

Para district: SPLITGERBER 1075 H. L. B. 901, 199—23 in forests (fl. May).

Sara-kreek, near placer l'Union: WENT 514 (fl. Octob.)

Upper Nickerie River, near Fallawatra: TULLEKEN 443 H. L. B. 903,
322—1569 in forests.

Vernacular name: "Warimbo".

Guyana, Brazil.

Ischnosiphon obliquus (Rudge) Körn. in Bull. Soc. natur. Moscou XXXV. 1. p. 88.

Maranta obliqua Rudge. Pl. Guyan. l. p. 8. t. 2.

Lower Surinam River, near plant. Jagtlust: SPLITGERBER 583 H. L. B. 901, 199—25 in forests (fl. Febr.)

Lower Surinam River, near plant. Geyersvlyt: KEGEL 724 named by Miquel *Maranta Cassupo Jacq.* in Linnaea XXII p. 78.

Para River, near Osembo: FOCKE 578 (fl. April) named by Miquel *Phrynium casupo Roscoe* in Linnaea XVIII p. 73.

Para River, near Beekhuizen: KAPPLER 675 ex Schumann l. c. 164.

Surinam: LANDRÉ H. L. B. 901, 199—4 and H. L. B. 905, 88—101, named *Calathea macrostachya Klotzsch*; HOSTMANN 7 ex Schumann l. c. 164.

Brazil, Columbia, Guyana, Martinique.

Ischnosiphon violaceus Pulle nova spec.

folia spicaque in apice caulis congesta; folia glaberrima, lanceolato-elliptica, basi acuta, apice acuminata; petioli pars superior callosa, racemus solitarius.

Herba perennis ex affinitate cum *I. Martiano* Eichl. Caulis e rhizomate rubro erectus, sparse hirsutus, 64 cM. longus. Ramus florens foliis regulariter distichis munitus caulem terminans. Folia ad 11 congesta. Vagina 13—17 cM. longa; petiolus 7—10 cM. longus; pars superior ad 2—3 cM. longa teres callosa minute puberula. Lamina siccitate brunnea, glabra, 25—28 cM. longa, 7—8 cM. lata, vix excentrice acuminata. Racemus solitarius, 32 cM. longus, pedunculo ad 40 cM. longo suffultus, glaber. Bracteae ad 14, glabrae, infima acuminata, ceterae obtusae, coriaceae $2\frac{1}{2}$ — $3\frac{1}{2}$ cM. longae. Paria florum sessilium 3, bracteolae apice claviculato-induratae lineares, 3 cM. longae; ovarium sericeum; sepala 18 mM. longa linearia, glabra; corollae violaceae tubus $2\frac{1}{2}$ cM. longus, lobi 12 mM. metientes. Fructus non suppetit.

Pl. II.

Upper Saramacca River, near Janbasigado: PULLE 175 (fl. Jan.)

MONOTAGMA K. Schum.

Monotagma laxum (Pöpp. et Endl.) K. Schum. in das Pflanzenreich IV. 48. p. 168.

Calathea laxa Pöpp. et Endl. Nov. Gen. et Spec. II. p. 22 t. 130.

Surinam: KAPPLER 1335.

Peru, Venezuela, Guyana.

Monotagma Parkeri (Roscoe) K. Schum. Pflanzenreich IV. 48. p. 168.

Phrynium Parkeri Roscoe Monandr. Pl. t. 42.

Paramaribo: KAPPLER 1646 named *Maranta lachnocaula* Miq. in Linnaea XVIII p. 755.

Near Poelepantje: KEGEL 76 in forests (fl. July).

Surinam River, near Koffiedjampo: VERSTEEG 510 in forests (fl. June).

Upper Nickerie River, near Fallawatra: TULLEKEN 468 H. L. B. 903, 322—1535 (fl. Sept.).

Surinam: HOSTMANN H. L. B. 903, 322—143.

Guyana, Peru.

Monotagma guyanense (Körn.) K. Schum. Pflanzenreich IV. 48 p. 169.

Ischnosiphon guyanense Körn. in Bull. Soc. nat. Moscou XXXV. 1 p. 87.

Gonini River: VERSTEEG 186 on the riverside (fl. Aug.).

Para River, near Beekhuizen: KEGEL 675 (fl. Sept.) named by Miquel *Maranta obliqua* Rudge in Linnaea XXII p. 79.

Commewyne River, near plant. Cannawappibo: SPLITGERBER 289 H. L. B. 899, 139—604 and 605 in forests (fl. Dec.).

French Guyana.

Monotagma surinamense Pulle nova spec.

folia minus obliqua, petioli pars callosa basi annulata, rami panniculæ breves, dorsiventræles.



Liashoten d. 5.

1874. 1875. 1876. 1877. 1878.

Pectis plicata Pulle.



Lith. firm. J. W. Trap

Lith. firm. J. W. Trap

Menctagma surinamense Pulle.

Planta subrobusta elata. Folia caulina 4—5½ cM. longe petiolata; vaginæ 18—23 cM. longæ, 1,5 cM. latæ, hirsutæ, Petioli pars callosa 7—10 mM. longa, villosa, basi annulata. Folia ad 35 cM. longa, 10 cM. lata supra glabra, subtus breviter adpresseque villosa, basi acuta, apice vix excentrice acuminata. Folium panniculam committans basi rotundatum, prope petiolum abrupte angustatum et acuminatum. Petioli pars callosa 3 mM. longa, petiolus 7 mM. longus, vagina 7 cM. longa. Panniculæ 3 congestæ, major 7 cM. longa, pedunculo ad 32 cM. longo glabro suffultæ. Ovarium glabrum; sepala obtusa, 6 mM. longa. Corollæ tubus 16 mM. longus, lobi rosei, staminodia.....

Pl. III.

Upper Saramacca River : PULLE 208 (fl. March).

THALIA Linn.

Thalia geniculata Linn. Spec. pl. ed. 1. p. 3.

Paramaribo : SPLITGERBER 169 H. L. B. 901, 199—84 and 85 in swamps (fl. Nov.) ; near plant. Quarta : KEGEL 603 in ditches (fl. Sept.) ; near Wanicapad ; FOCKE 637 in water (fl. Sept.).

Lower Surinam River, near plant. Jagtlust : WENT 324 in forests (fl. Aug.)

Para River, near Beekhuizen : VERSTEEG 489 in swamps (fl. June).

Tropical and subtropical America and Africa.

BURMANNIACEAE.

DICTYOSTEGIA Miers.

- Dictyostegia orobanchoides** Miers in Proc. Linn. Soc. I. (1840) p. 61.
Upper Gonini River: VERSTEEG 179 in forests (fl. Aug.).
Trinidad, French Guyana, Northern Brazil.

APTERIA Nutt.

- Apteria hymenantha** Miq. Stirp. Surin. Select. p. 216 t. 65 fig. A.
Lawa River, near Cottica Mountains: VERSTEEG 304 in swamps (fl. Oct.)
Paramaribo, near Plant. Quarta: KEGEL 153 in forests (fl. July) named
by Miquel *Apteria setacea* Nutt. in Linnaea XXII p. 78.
Upper Surinam River, near Bergendal: FOCKE 1337 (fl. May).
Surinam: HOSTMANN 959.
West-Indian Islands, Northern Brazil, French Guyana.

BURMANNIA Linn.

- Burmattia bicolor** Mart. Nov. Gen. I. p. 10. tab. 5 fig. I.
Para district in savannahs: SPLITGERBER 980 H. L. B. 898, 319—39
(fl. March).
var. β **subcoelestis** Malme in Bih. till. Svenska. Vet. Akad. Handl. XXII.
Afd. III. n. 8. p. 22 Taf. I fig. 3c.
Para River, near plant. l'Inquiétude: FOCKE 1024, named *Burmattia*
brachystachya Miq. in Linnaea XIX p. 141
Surinam River, near Joden Savanne: KEGEL 229 (fl. Nov.)
Surinam: HOSTMANN and KAPPLER ed. Hohenacker 797 on sandy spots,
named: *Burmattia quadriflora* Willd.
Cuba, Guyana, Brazil.
Burmattia capitata (Walt.) Mart. Nov. Gen. I. p. 12.
Anonymos capitatus Walt. Flora Carol. (1788) p. 69.

Paramaribo, on sandy spots: KEGEL 295 (fl. Aug.)

Para district, near Onoribo: SPLITGERBER 673 H. L. B. 898, 319—44;
Focke 1050.

Lower Surinam River, near Station Victoria: KAPPLER ed. Hohenacker
1332 (fl. April).

Surinam: HOSTMANN 978 in Hb. Rheno-Traject.

West-Indian Islands, Florida, Carolina, Guyana, Brazil, Paraguay.

ORCHIDACEAE.

SELENIPEDIUM Reichb. f.

Selenipedium palmifolium (Lindl.) Reichb. f. *Xenia* Orchid. I. 5 t. 2.
fig. 6—9.

Cypripedium palmifolium Lindl. Gen. et Spec. Orch. 527.

Surinam: HOSTMANN ex Cogniaux *Flora Bras.* III. 4 p. 14.

Northern Brazil, Guyana, Trinidad.

HABENARIA Willd.

Habenaria Sartor Lindl. in Hook. Lond. Journ. of Bot. II. 662.

Para River, near Plant. Onoribo: SPLITGERBER 754 H. L. B. 903,
16—269, 270 (fl. March).

Tropical Brazil.

Habenaria macroceratitis Willd. Spec. plant. IV. 44.

Surinam: ANDERSON, BERTHOUD COULON 77 ex Gogniaux l. c. 36.

British Guyana, West-Indian Islands.

Habenaria heptadactyla Reichb. f. in Schomb. Fauna et Flora Guyan.
1123.

Lower Saramacca River, near Saron: KEGEL 1283, on sandy spots
(fl. May) ex Reichb. f. in *Linnaea* XLI p. 125.

Northern Brazil, British Guyana, Venezuela.

Habenaria pratensis (Lindl.) Reichb. f. in *Linnaea* XXII p. 813.

Bonatea pratensis Lindl. Gen. et Spec. Orchid. 328.

Surinam: WULLSCHLÄGEL 529 ex Cogn. l. c. 86.

Brazil, French Guyana.

Habenaria parvidens Lindl. Gen. et Spec. Orch. 317.

Surinam: SPLITGERBER ex Reichb. f. *Kruidk. Archief*. IV. p. 320.

Peru.

Habenaria obtusa Lindl. Gen. et Spec. Orch. 315.

Surinam River, near Joden Savanne: SPLITGERBER 856 H. L. B. 903
16—168 (fl. Apr.)

Tropical Brazil.

POGONIA Juss.

Pogonia paludosa Reichb. f. Xenia Orchid. II. 92.

Para River in swamps: KAPPLER 1492 ex Reichb. f. Linnaea XXII p. 816 where the plant is named: *Cleistes paludosa Reichb. f.*
French Guyana.

Pogonia surinamensis Lindl. in Hook. Lond. Journ. of Bot. II. 674.

Para River, near Onoribo: SPLITGERBER 653 (fl. March) ex Reichb. f.
Ned. Kruidk. Archief IV. p. 322.
Guyana, Trinidad, Porto Rico.

VANILLA Juss.

Vanilla inodora Schiede in Linnaea IV. p. 574.

Lower Surinam River, near plant. Jagtlust: SPLITGERBER 409 ex Reichb.
f. Ned. Kruidk. Arch. IV. p. 321, named erroneously: *Vanilla surinamensis Splitg.*

Surinam: SPLITGERBER H. L. B. 905, 88—84 named *Vanilla guyanensis Splitg.* Ann. des Sc. nat. ser. II. T. XV. p. 279: HOSTMANN 71 ex Rolfe in Journ. Linn. Soc. (Botany) vol XXXII. p. 450.
Mexico, West-Indian Islands, British Guyana.

Vanilla acuta Rolfe l. c. 453.

Surinam: KAPPLER ex Rolfe l. c.
British Guyana. (?).

Vanilla Wrightii Reichb. f. in Flora XLVIII p. 273.

Surinam: HOSTMANN 33 ex Rolfe l. c. 454.
West-Indian Islands, British Guyana.

Vanilla palmarum Lindl. Gen. et Spec. Orch. p. 436.

Upper Surinam River, near Blauwe Berg: SPLITGERBER 925 H. L. B. 905, 88—85 (fl. May).
Para district: WULLSCHLÄGEL 1597 ex Cogn. l. c. 154.
Tropical Brazil.

Vanilla Hostmanni Rolfe l. c. 462.

Upper Litanie River, near Mount Knopaiamoi: VERSTEEG 378 (fl. Nov.)
As Rolfe's description in very short, I am not quite certain about this species.
Surinam: HOSTMANN 306 ex Rolfe l. c. 462.

Vanilla planifolia Andrews Botan. Reposit. VIII t. 538.

Surinam: WULLSCHLÄGEL 1132 ex Cogn. l. c. 174.
Vernacular name: »Banilla" or »Banirie."
Cultivated in all tropical countries.

Vanilla Pompona Schiede in Linnaea IV. p. 573.

Surinam: SPLITGERBER, named *Vanilla guyanensis* Splitg. (part.) ex Rolfe l. c. 466.

Para River, near plant. Berlyn: WULLSCHLÄGEL 1807 ex Cogn. l. c. 148.
Mexico, Tropical South-America.

Vanilla marowynensis Pulle nova spec.

Caulis robustiusculis teres; foliis breviter crasseque petiolatis, coriaceis, siccitate margine valde revolutis, ovato-lanceolatis, apice rotundatis et abrupte acuminatis, basi rotundatis vel vix cordatis. Petiolus crassus, profunde canaliculatus. Spicae multiflorae, breviter pendunculatae, rachi crassa, bracteis parvis, obtusis, valde concavis. Flores magni, ovario arcuato, terete; sepalis ovato-lanceolatis, inferne attenuatis, apice obtusis; petalis sepalis vix brevioribus et angustioribus, sub-planis elongato-oblongis subspathulatis, inferne longe attenuatis, apice obtusissimis, dorso crasse costatis et sub apice apiculatis. Labello sepalis paulo brevior, basi columnae longiuscule adnato, inferne unguiculato, intus dense piloso, limbo patulo, obscure trilobato, lobis lateralibus valde inflatis, lobo intermedio apice inciso, margine undulato, appendicibus foliaceis densissime suffulto. Columna brevis, antice pilosa.

Caulis longissimus, geniculatus carnosus et ad nodos radicans. Folia internodiis saepius $1\frac{1}{2}$ —2 plo longiora, siccitate coriacea, 12—15 cM. longa, $4\frac{1}{2}$ —6 cM. lata, basi in petiolum crassum late profundeque canaliculatum circiter 1 cM. longum abrupte contracta, nervis numerosis siccitate utrinque valde prominentibus. Pedunculus communis erectus, 12-florus, siccitate 4 cM. longus. Bractee 4 mM. longae, 2 mM. latae. Ovarium 4 cM. longum. Sepala 5 cM. longa, 16 mM. lata tenuiter 9—11 nervia. Petala vix 5 cM. longa, 14 mM. lata. Labellum $4\frac{1}{2}$ cM. longum, 15 cM. latum, columnae 3 cM. longa. Fructus ignotus.

Pl. IV.

Upper Marowyne River, near Poeloegoedoe: VERSTEEG 623 (fl. July).

SPIRANTHES L. C. Rich.**Spiranthes guyanensis (Lindl) Cogn.** Flora Bras. III. 4. p. 209.

Goodyera guyanensis Lindl. Gen. et Spec. Orch. 494.

Paramaribo: KEGEL 468, named *Spiranthes Hostmanni* Reichb. f. in Linnaea XLI 125; FOCKE 1420.

Surinam: WULLSCHLÄGEL 541, HOSTMANN 386 and 841; BERTHOUD COULON 80 ex Cogn. l. c. 210; HOSTMANN: H. L. B. 904, 322—109.

Guyana, Trinidad

Spiranthes acaulis (Smith) Cogn. Flora Bras. III. 4. p. 221.

var: β *grandiflora* Lindl. ex Reichb. f. Ned. Kruidk. Arch. IV. 320.

Lower Surinam River, near Beekhuizen: KEGEL 1024 in forests (fl. Sept.) ex Reichb. f. Linnaea XLI. p. 125.



Elfræd. et. del.

Enth. tunc. F.W.M. del.

Vanilla marcovynensis Pull. e.

Surinam: SPLITGERBER 324 ex Reichb. fl.
Tropical Brazil, British Guyana.

PHYSURUS L. C. Rich.

Physurus Peterianus Cogn. Fl. Bras. III. 4. p. 228

Paramaribo: KEGEL 467 in forests (fl. Aug.) ex Reichb. f. *Linnaea* XLI
p. 125 named *Physurus roseus* Lindl.

Surinam: DUMORTIER without number.

LIPARIS L. C. Rich.

Liparis Kappleri Reichb. f. Walp. Ann. Bot. VI. 218.

Para River: KAPPLER 1491 in swamps ex Cogn. l. c. 288.

GALEANDRA Lindl.

Galeandra juncea Lindl. Sert. Orch. t. 37.

Paramaribo: FOCKE 1430 (fl. Aug.)

Para district near plant. Berlijn: SPLITGERBER 709 H. L. B. 903, 322 - 2242
in savannahs.

Saramacca River, near Saron: KEGEL 1284 on sandy spots ex Reichb. f.
Linnaea XLI p. 129.

Surinam: WULLSCHLÄGEL 544 ex Cogn. l. c. 306.

Tropical Brazil, British Guyana.

POLYSTACHYA Hook.

Polystachya luteola (Swartz) Hook Exot. Fl. t. 103.

Cranichis luteola Swartz Fl. Ind. Occ. III. 1433.

Paramaribo, near Oude Rijkweg and near plant. Quarta: KEGEL 679
ex Reichb. f. *Linnaea* XLI 128 in forests (fl. July).

Para district: FOCKE ex Tijdschrift Natuurk. Wetensch. II p. 203.

Lower Surinam River, near Jagtlust: SPLITGERBER 427 H. L. B. 905,
83—246 and SPLITGERBER 425 H. L. B. 905, 83—247.

Surinam: WULLSCHLÄGEL 531 ex Cogn. l. c. 313.

Mexico, tropical South-America.

Polystachya foliosa Reichb. f. in Walp. Ann. Bot. VI. 640.

Upper Marowyne River, near Poeloegoedoe: VERSTEEG 603 (fl. July).

Marowyne River: KAPPLER 1838 ex Cogn. l. c. 317.

Para district, near Berlijn: WULLSCHLÄGEL 553 and 1108 ex Cogn.
l. c. 317; FOCKE ex Cogn. l. c. 317.

Northern Brazil, British Guyana, Trinidad.

MASDEVALLIA Ruiz et Pav.

Masdevallia minuta Lindl. in Ann. Nat. Hist. XII. 396.

Lower Surinam River, near Paramaribo: FOCKE in Tijdschr. Natuurk.
Wetensch. IV. 62 named: *M. surinamensis* Focke.

- Paramaribo: WULLSCHLÄGEL 538 ex Cogn. l. c. 334.
 Para district, near plant. Berlijn: SPLITGERBER 719 on trees (fl. March)
 ex Reichb. f. Ned. Kruidk. Arch. IV. 335.
 Para River: KAPPLER 1534 ex Cogn. l. c. 334.
 Near Joden Savanne: KEGEL 878 (fl. May).
 Saramacca River, near Maripaston: KEGEL 1349 (fl. May) ex Reichb. f.
 Linnaea XLI. p. 133.
 Surinam: HOSTMANN 151 ex Cogn. l. c. 334.
 British Guyana.

STELIS Swartz.

- Stelis argentata** Lindl. in Botan. Regist. XXVIII Misc. p. 64 n°. 78.
 Upper Marowynne River: VERSTEEG without number (fl. July).
 Surinam River, near Sornau kreek: KEGEL 1201 (fl. Nov.) ex Reichb. f.
 Linnaea XLI p. 134.
 Surinam: FOCKE, named *Stelis Heylidyana* Focke in Tijdschr. Natuurk.
 Wetensch. II. p. 201; HOSTMANN 1206; KAPPLER 788; HOSTMANN
 and KAPPLER 1322 ex Cogn. l. c. 341.
 Guyana, Venezuela.

PLEUROTHALLIS R. Br.

- Pleurothallis Lanceana** Lodd. Bot. Cab. t. 1767.
 Paramaribo, near Beekhuizen: KEGEL 930 (fl. July) ex Reichb. f.
 Linnaea XLI p. 132.
 Para River, near plant. Berlijn: FOCKE named: *Pleurothallis crassifolia*
Focke, in Tijdschr. Natuurk. Wet. II. 196.
 Surinam: LANCE, WULLSCHLÄGEL 1111.

- Pleurothallis pruinosa** Lindl. in Bot. Reg. XXVIII Misc. p. 75.
 Para district, near Joden Savanne: KEGEL 623 (fl. Aug.) ex Reichb. f.
 Linnaea XLI. p. 133.
 Lower Commewyne River, near plant. Hooiland: SPLITGERBER 517.
 Surinam: FOCKE, ex Tijdschr. Natuurk. Wetensch. II. 202, named
Stelis (?) flavida Focke.
 French Guyana, Porto-Rico, Jamaica.

Pleurothallis longirostris Focke in Bot. Zeit. 1853 p. 341.

- Paramaribo: KEGEL 656 ex Cogn. l. c. 432.
 Para district: FOCKE ex Botan. Zeit. l. c.
 Surinam: WULLSCHLÄGEL 1112.

Pleurothallis Fockei Lindl. Folia Orchid. Pleuroth. 23.

- Paramaribo, and Para district: FOCKE in Botan. Zeit. 1853 p. 339 named
Pl. tricarinata Focke (non Pöpp. et Endl).
 Para district near Topibo: WULLSCHLÄGEL 1591.

Pleurothallis brevipes Focke in Tijdschr. Natuurk. Wetensch. II. p. 198.

Para district: FOCKE.

Surinam: WULLSCHLÄGEL 1589 ex Cogn. l. c. 441.

Pleurothallis Kegelii Reichb. f. in Linnaea XLI. 132.

Paramaribo, near plant. Quarta: KEGEL 1244 in forests (fl. Jan.) ex Reichb. f. l. c.

Pleurothallis Miqueliana Lindl. Folia Orchid. Pleuroth. 17.

Para River: FOCKE in Tijdschrift Natuurk. Wetensch. II. 199 named: *Specklinia* (?) *Miqueliana Focke*.

Surinam: WULLSCHLÄGEL 1586.

Pleurothallis barbulata Lindl. Folia Orchid. Pleuroth. 40.

Surinam: FOCKE ex Botan. Zeit. 1853 p. 227 named: *P. barbata Focke*.
(*non Westcott*.)

Pleurothallis marginata (L. C. Rich.) Cogn. Flora Bras. III. 4 p. 478.

Epidendrum marginatum L. C. Rich. in Act. Soc. Hist. Nat. Paris I. 112

Paramaribo: KEGEL 627 ex Reichb. f. in Linnaea XLI. p. 133 named
Pleurothallis uniflora Lindl.

Upper Commewyne River: FOCKE ex Tijdschr. Natuurk. Wetensch.
IV. p. 63 named *Pleurothallis striata Focke*.

Para district: WULLSCHLÄGEL 1110 and 1587 ex Cogn. l. c. 479.

French Guyana, Rio de Janeiro.

Pleurothallis semperflorens Lindl. Folia Orchid. Pleuroth. 40.

Upper Commewyne River: FOCKE in Tijdschrift Natuurk. Wetensch.
II. p. 195 named *Pleurothallis acuminata Focke* (*non Lindl.*); Miquel,
Stirp. Surin. Select. p. 215 fig. 64 B.

Lower Saramacca River, near Maripaston: KEGEL 1348 in forests
(fl. May) ex Reichb. f. in Linnaea XLI p. 133.

Guyana.

Pleurothallis picta Lindl. in Bot. Regist. XXI. sub tab. 1797 et 1825.

Upper Litanie River, near Knopaiamoi: VERSTEEG 403 (fl. Dec.).

Para district, near plant. Berlijn: SPLITGERBER 726 H. L. B. 904, 341—100.

Para district, near Joden Savanne: KEGEL 1083 ex Reichb. f. Linnaea
XLI p. 132 (fl. Nov.)

Saramacca River: PULLE 64 (fl. Nov.).

Upper Coppename River: BOON 1171 and 1172.

Surinam: FOCKE in Tijdschr. Natuurk. Wetensch. II 194 named:

Pleurothallis surinamensis Focke. Miquel Stirp. Surin. Select. p. 214
tab. 64a.; HOSTMANN 279 and 702a; WULLSCHLÄGEL 537.

Tropical Brazil; Guyana.

Pleurothallis acutissima Lindl. Folia Orchid. Pleuroth. 43.

Para River, near Berlijn: WULLSCHLÄGEL 535 and 1588.

Amazondistrict, French Guyana.

Pleurothallis ovalifolia (Focke) Reichb. f. in Walp. Ann. Bot. VI. 188.*Stelis ovalifolia* Focke in Tijdschr. Natuurk. Wetensch. II. 202.

Para district: WULLSCHLÄGEL ex Cogn. l. c. 579.

Surinam: FOCKE ex Tijdschr. l. c.

Pleurothallis villosa Knowl. et Westc. Flor. Cab. II. 78.

Paramaribo: KEGEL 840 ex Reichb. f. Linnaea XLI p. 133 named:

Pleurothallis lepanthiformis Reichb. f.

Venezuela, Trinidad, Mexico.

Pleurothallis orbicularis Lindl. Bot. Regist. XXVIII Misc. p. 79.Para district, near Berlijn: FOCKE in Tijdschr. Natuurk. Wetensch. II. 197 named: *Pleurothallis biflora* Focke.

Saramacca River, near Maripaston: KEGEL 1352 (fl. May) ex Reichb. f. Linnaea XLI. p. 133.

Surinam: WULLSCHLÄGEL 159 ex Cogn. l. c. 587.

British Guyana, Trinidad.

LEPANTHES Swartz.**Lepanthes helicocephala** Reichb. f. Xenia Orchid. I. 150.

Surinam River, near Maripaston: KEGEL 1350 in forests ex Reichb. f.

Linnaea XLI. p. 134.

Brazil.

RESTREPIA Kunth.**Restrepia Kegelii** Reichb. f. in Linnaea XLI p. 133.

Saramacca River, near Maripaston: KEGEL 1355 in forests (fl. May) ex Reichb. f. l. c.

OCTOMERIA R. Br.**Octomeria surinamensis** Focke in Tijdschr. Natuurk. Wetensch. II. 200.

Marowyne River, near Poeloegoedoe: VERSTEEG 591 (fl. July).

Para district: FOCKE l. c.

Saramacca River, near Maripaston: KEGEL 1421 in forests (fl. May) ex Reichb. f. Linnaea XLI p. 134.

Surinam: WULLSCHLÄGEL 1595 ex Cogn. l. c. 617.

ORLEANESIA Barb. Rodr.**Orleanesia amazonica** Barb. Rodr. Gen. et Spec. Orchid. Nov. I. 64.

Gonini River, near Gransoela: VERSTEEG 161 (fl. Aug.)

Lawa River, near Cottica: VERSTEEG 286 (fl. Octob.)
 Upper Tapanahoni River: VERSTEEG 729 (fl. Aug.)
 Upper Coppename River, near Raleighfalls: BOON 1244 (fl. Octob.).
 Amazon district.

PONERA Lindl.

Ponera Jelskii Reichb. f. in Linnaea XLI 85.
 Surinam: DE JELSKI ex Reichb. f. l. c.

SCAPHYLOTTIS Pöpp. et Endl.

Scaphyglottis violacea Lindl. in Botan. Reg. XXII tab. 1901.
 Upper Tapanahoni River: VERSTEEG 829 (fl. Aug.).
 Upper Nickerie River, near Blanche Marie falls: TULLEKEN 350
 H. L. B. 903, 322—1039. (fl. Sept.).
 Amazon district, British Guyana.

Scaphyglottis prolifera (R. Br.) Cogn. Flora Bras. III. 5. p. 15.
Isochilus prolifer R. Br. in Ait. Hort. Kew. ed. 2 V. 209.
 Surinam River, near Poelepantje: KEGEL 681 ex Reichb. f. Linnaea
 XLI 131 named *Ponera prolifera Reichb. f.* (fl. Sept.).
 Surinam: WULLSCHLÄGEL 1594 ex Cogn. l. c. 16.
 Tropical Brazil, French Guyana.

HEXISEA Lindl.

Hexisea reflexa Reichb. f. in Griseb. Flora Br. West. Ind. Islands 623.
 Upper Surinam district, near plant. La Diligence: WULLSCHLÄGEL
 560 ex Cogn. l. c. 22.
 Saramacca River, near Maripaston: KEGEL 1422 (fl. May) ex Reichb.
 f. Linnaea XLI. p. 132.
 Tropical Brazil, Trinidad, Grenada.

LANIUM Benth.

Lanium microphyllum (Lindl.) Benth. in Hook. Ic. Plant. XIV tab. 1334.
Epidendrum microphyllum Lindl. in Hook. Journ. of Bot. III. 85.
 Lawa River: VERSTEEG 116 (fl. Aug.)
 Tapanahoni River: VERSTEEG 659 (fl. July).
 Paramaribo: WULLSCHLÄGEL 1115 ex Cogn. l. c. 28.
 Lower Coppename River: WENT 152 (fl. Aug.).
 Upper Coppename River: BOON 1174 (fl. Sept.).
 Surinam: HOSTMANN 626; FOCKE ex Tijdschrift Natuurk. Wetensch.
 IV. p. 67, named *Epidendrum (?) sarcophyllum Focke.*
 British Guyana.

EPIDENDRUM Linn.

Epidendrum paleaceum (Lindl.) Reichb. f. Beitr. Orch. Cent. Am 80.

Dinema paleacea Lindl. in Botan. Reg. XXVI Misc. p. 51.

Between the Saramacca and the Coppename River, in forests: KEGEL

1451 (fl. June) ex Reichb. f. Linnaea XLI p. 130.

Mexico, Guatemala, Costa Rica.

Epidendrum chloroleucum Hook. in Botan. Mag. tab. 3557.

Paramaribo: KEGEL 484 (fl. Aug.)

Cassepoera River: KEGEL 874 (fl. Nov.)

Cottica River, near Vaderzorg: KEGEL 874 (fl. Aug.) ex Reichb. f.

Linnaea XLI. p. 130.

British Guyana.

Epidendrum oncidoides Lindl. Botan. Reg. tab. 1623.

Lawa River, near Cottica Mountains: VERSTEEG 267 (fl. Octob.)

Tapanahoni River, near Drie Tabbetje: VERSTEEG 723 (fl. Aug.)

Paramaribo: WULLSCHLÄGEL 1117 ex Cogn. l. c. 48.

Lower Surinam River, near plant. Domburg: TULLEKEN 277 H. L. B.

903, 322—1609 (fl. Aug.)

Para district: WULLSCHLÄGEL 530 on trees and on sandy spots ex

Cogn. l. c. 48.

Surinam River, near Joden Savanne: FOCKE 237 and 823 named *Epiden-*

drum (Encyclium) spectabile Focke in Botan. Zeit. 1853 p. 229; KEGEL

1081 (fl. Jan.) ex Reichb. f. Linnaea XLI p. 130.

Upper Saramacca River, near Brokobotto falls: PULLE 425 (fl. Jan.)

Surinam: FOCKE 38 (fl. July).

Tropical Brazil, Venezuela, French Guyana.

var. **β. graniticum Lindl.** in Hook. Journ. of Botan. III. 83.

Para district: HOSTMANN and KAPPLER 792;

Surinam: FOCKE 457 named: *Epidendrum affine Focke* in Botan.

Zeitung 1853 p. 341: NOLTE ex Cogn. l. c. 49.

British Guyana, Trinidad.

Epidendrum dichromum Lindl. in Botan. Reg. XXIX Misc. p. 78.

Saramacca River, near Maripaston: KEGEL 1354 in moist forests

(fl. May) ex Reichb. f. Linnaea XLI. p. 130.

Tropical Brazil.

Epidendrum clavatum Lindl. in Botan. Reg. XXII. t. 1876.

Upper Litanie River: VERSTEEG 380 (fl. Dec.)

Coppename River: BOON 1226 (fl. Octob.)

Surinam: WENT cultivated in the Utrecht Botanic Gardens.

British Guyana, Venezuela, Costa Rica.

var. **β. purpurascens (Focke) Cogn.** l. c. 74.

Epidendrum purpurascens Focke in Tijdschrift Wis- en Natuurk. Wetensch.

IV. p. 64.

Upper Surinam and Commewyne River: Focke l. c.

Surinam: Focke 842; WULLSCHLÄGEL 1113 ex Cogn. l. c. 74.

Epidendrum variegatum Hook. in Bot. Mag. tab. 3151.

Tapanahoni River, near Drie Tabbetje: VERSTEEG 651.

Marowynne River, near Poeloegoedoe: VERSTEEG 604 (fl. July).

Upper Tapanahoni River, near Mount Teeboe: VERSTEEG 777
(fl. Aug.)

Para district: WULLSCHLÄGEL 1118 ex Cogn. l. c. 79.

Coppename River: BOON 1142 (fl. Sept.)

Tropical Brazil, Ecuador, Venezuela, Cuba.

Epidendrum fragrans Swartz Prodr. Ind. Occ. 123.

Upper Tapanahoni River, near Mount Teeboe: VERSTEEG 804 (fl. Aug.)

Paramaribo: KEGEL 677; near plant. Tourtonne: KEGEL 861 ex Reichb.
f. in Linnaea XLI p. 131 named *E. aemulum* Lindl.

Lower Surinam River: KAPPLER 1845 ex Cogn. l. c. 86.

Para district, near plant. Berlijn: SPLITGERBER 696 H. L. B. 902, 322 —
1784 (fl. March).

Surinam: Focke 127; HOSTMANN 205 in Herb. Rheno-Traj.; HOSTMANN
636a; WULLSCHLÄGEL 552 ex Cogn. l. c. 86.

Tropical South-America.

Epidendrum cearense Barb. Rodr. Gen. et Spec. Orch. Nov. II. 141.

Paloemee River: VERSTEEG 896 (fl. Sept.).

Lawa River, near Cottica: VERSTEEG 263 (fl. Octob.):

Northern Brazil.

Epidendrum anceps Jacq. Select. Stirp. Am. 224 t. 138.

Lower Surinam River, near plant. Jagtlust: SPLITGERBER 394 H. L. B.
902, 322—1728, 1729.

Para district: WULLSCHLÄGEL 1120 ex Cogn. l. c. 115.

Tropical America.

var. *β. virescens* Lindl. Folia Orchid. Epidendr. 65.

Saramacca River, near Maripaston: KEGEL ex Cogn. l. c. 116; HOSTMANN
576a. ex Cogn. l. c. 116.

Columbia.

Epidendrum Schomburgkii Lindl. in Botan. Reg. XXIV. Misc. No. 16
et tab. 53.

Paramaribo: KEGEL 1081 (fl. March).

Casapoera kreek: KEGEL 1101 (Nov.) ex Reichb. f. Linnaea XLI.
p. 131.

Paramaribo, near Wanica kreek: SPLITGERBER 1057 H. L. B. 902, 322—1844 (fl. June)

Upper Commewyne River: FOCKE 57 and 1057.

Saramacca River: WULLSCHLÄGEL 1114 ex Cogn. l. c. 121.

Northern Brazil, British Guyana, Trinidad.

Epidendrum imatophyllum Lindl. Gen. et Spec. Orchid. 106.

Paloemee River: VERSTEEG 882 (fl. Sept.)

Para district: KAPPLER 1656 ex Cogn. l. c. 124.

Saramacca River: WULLSCHLÄGEL 1119.

Upper Commewyne River: FOCKE in Tijdschrift Wis- en Natuurk. Wetensch. IV. 65 named: *E. flexuosum* G. F. W. Meyer.

Arecare kreek: KEGEL 1086 (fl. Nov.) ex Reichb. f. Linnaea XLI p. 131.

Surinam: SPLITGERBER 353; HOSTMANN 405; NOLTE ex Cogn. l. c. 124;

HOSTMANN H. L. B. 903, 322—313.

Guyana, Northern Brazil.

Epidendrum nocturnum Jacq. Enum. Pl. Carib. 29.

Marowynne River, near Poeloegoedoe: VERSTEEG 605 and 622 (fl. July).

Litanie River, near Mount Knopaiamoi: VERSTEEG 383 (fl. Dec.)

Para district, near Onoribo: SPLITGERBER 671 H. L. B. 902, 322—1801, 1802.

Paramaribo: WULLSCHLÄGEL 555 ex Cogn. l. c. 136.

Para district near Joden Savanne: KEGEL 1085 (fl. Nov.) ex Reichb. f. Linnaea XLI. p. 331.

Saramacca River, near Lawalifalls: PULLE 488 (fl. March).

Surinam: FOCKE 126 and 897 in Herb. Rheno-Traject; HOSTMANN 36 ex Cogn. l. c.

Tropical South-America.

var. *β. latifolium* Lindl. in Bot. Regist. XXIII tab. 1961.

Paramaribo: WULLSCHLÄGEL 555 p. p ex Cogn. l. c. 136.

West-Indian Islands.

Epidendrum latilabre Lindl. in Botan. Reg. XXVII Misc. p. 77.

Upper Saramacca River, near Brokobotofalls: PULLE 430 (fl. Jan.)

Tropical Brazil, French Guyana, Peru.

Epidendrum difforme Jacq. Enum. Pl. Carib. 29.

Para district: WULLSCHLÄGEL 1116 ex Cogn. l. c. 141.

Lower Surinam River: KAPPLER 1379 ex Cogn. l. c. 141.

Surinam: NOLTE ex Cogn. l. c. 141.

All tropical America.

Epidendrum sculptum Reichb. f. in Bonplandia II. 89.

Para River: WULLSCHLÄGEL 1122 ex Cogn. l. c. 142.

Panama.

var. *β. linearifolium* Reichb. f. in Linnaea XLI. 131

Paramaribo, near Laan van Tourtonne: KEGEL ex Reichb. f. l. c.

Epidendrum stenopetalum Hook. in Botan. Mag. t. 3410.

Paramaribo: SPLITGERBER 372 H. L. B. 902, 322—1850 (fl. May);

KEGEL, near Laan van Tourtonne 626 (fl. Sept.); near Paramaribo:

KEGEL 879 (fl. Febr.) ex Reichb. f. Linnaea XLI 131; WULLSCHLÄGEL

569 ex Cogn. l. c. 148.

Surinam: FOCKE ex Tijdschrift Wis- en Natuurkund. Wetensch. IV. p. 68.

Tropical South-America, Trinidad.

Epidendrum diffusum Swartz Prodr. 121.

var. *β. depauperatum* Cogn. Flora Bras. III. 5. p. 155.

Saramacca River, near Maripaston: KEGEL 1450 ex Cogn. l. c.

Epidendrum floribundum H. B. K. Nov. Gen. et Spec. I. 353 t. 86.

Surinam: HOSTMANN 349 ex Cogn. l. c. 165.

Tropical South-America excepted French- and British Guyana.

Epidendrum rigidum Jacq. Enum. Pl. Carib. 29.

Paramaribo: WULLSCHLÄGEL 551 ex Cogn. l. c. 172; near Laan van

Tourtonne: KEGEL 448 (fl. July) ex Reichb. f. Linnaea XLI p. 131.

Surinam: SPLITGERBER 506 H. L. B. 902, 322—1840 (fl. Jan.—March).

All tropical America.

Epidendrum ramosum Jacq. Enum. Pl. Carib. 29.

Surinam: FOCKE, SPLITGERBER ex Cogn. l. c. 174.

All tropical America.

Epidendrum strobiliferum Reichb. f. in Ned. Kruidk. Archief IV. 333.

Upper Tapanahoni River, near Mount Teeboe: VERSTEEG 783 (fl. Aug.)

Lower Surinam River, near plant. Jagtlust: SPLITGERBER 426 H. L. B.

902, 322—1028 and 1029 (fl. Dec.)

Paramaribo, near plant. Tourtonne: KEGEL 449 ex Cogn. l. c. 175;

WULLSCHLÄGEL 565.

Paulus kreek: WULLSCHLÄGEL 566 ex Cogn. l. c. 175.

Surinam: FOCKE ex Tijdschrift Wis- en Natuurk. Wetensch. IV. p. 69,

named: *Isochilus ramosus* Focke.

Guyana, West-Indian Islands, Venezuela.

Epidendrum discolor (Lindl.) Benth. ex Kew. Handlist of Orchids. 105.

Nanodes discolor Lindl. in Bot. Reg. XVIII t. 1541.

Surinam: WULLSCHLÄGEL 1123 ex Cogn. l. c. 178.

Rio de Janeiro, Trinidad, Guatemala.

BRASSAVOLA R. Br.

Brassavola augustata Lindl. in Botan. Regist. XXIV. Misc. p. 41.

Gonini River: VERSTEEG 181 (fl. Aug.)

Paramaribo, near Couwepina kreek: WULLSCHLÄGEL 516 ex Cogn. l.c. 263.

Para River: FOCKE in Tijdschrift Wis- en Natuurk. Wetensch. IV. 71
named *Brassavola surinamensis* Focke.

Para district, near plant. Hannover: SPLITGERBER 749 H. L. B. 902,
322—379 (fl. March) = *Brassavola attenuata* Lindl. ex Reichb. f.
Ned. Kruidk. archief IV 333.

Upper Coppename River, near Raleighfalls: BOON 1237 (fl. Octob.).

Central Brazil, British Guyana.

SCHOMBURGKIA Lindl.

Schomburgkia crispa Lindl. Sert. Orch. tab. 10.

Lawa River, near Cottica Mountains: VERSTEEG 347 (fl. Octob.)

Upper Tapanahoni River, near Mount Teeboe: VERSTEEG 767 (fl. Aug.)

Paloeme River: VERSTEEG 894 (fl. Sept.)

Paramaribo, Governor's gardens: WENT 547 (fl. Nov.)

Surinam: HOSTMANN 800a ex Cogn. l. c. 312.

Tropical Brazil, British Guyana.

Schomburgkia marginata Lindl. Sert. Orch. tab. 13.

Paramaribo: FOCKE H. L. B. 905, 88—81: WULLSCHLÄGEL 1133;
KEGEL 1027 ex Cogn. l. c. 313.

Paramaribo, near Laan van Tourtonne: SPLITGERBER 30 H. L. B. 905,
88—79, 80, 82. (fl. Nov.)

Para district, near Joden Savanne: KEGEL 1087 (fl. Nov.) ex Reichb.
f. Linnaea XLI p. 132 (fl. Nov.)

Surinam: HOSTMANN 467, MENZE ex Cogn. l. c. 313.

British Guyana, Venezuela.

SOBRALIA Ruiz et Pav

Sobralia sessilis Lindl. Botan. Regist. XXVII Misc. p. 3 and tab. 17.

Marowynne River, near Poeloegoedoe: VERSTEEG 589 (fl. July).

Para River: WULLSCHLÄGEL 1320 ex Cogn. l. c. 344.

British Guyana, Brazil.

CYRTOPERA Lindl.

Cyrtopera longifolia (H. B. K.) Reichb. f. in Walp. Ann. Bot. VI. 66.

Dendrobium longifolium H. B. K. Nov. Gen. et Spec. I. 360.

Paramaribo, near plant. Quarta: KEGEL 362 (fl. July) ex Reichb. f.
Linnaea XLI p. 129 named *Cyrtopera Woodfordi* Lindl.

Para district, near Osembo: SPLITGERBER 755 ex Reichb. f. Ned.
Kruidk. Arch. IV. 330, named *Cyrtopera Woodfordi* Lindl.

Saramacca River: WULLSCHLÄGEL 564 ex Cogn. l. c. 356.

Surinam: FOCKE 891 in moist savannahs and 243 H. L. B. 902, 322—1420; HOSTMANN 399a ex Cogn. l. c. 356.

Tropical South-America.

CYRTOPODIUM R. Br.

Cyrtopodium punctatum (Linn.) Lindl. Gen. et Spec. Orch. 188.

Epidendrum punctatum Linn. spec. pl. ed. II. 1349.

Surinam: KEGEL ex Cogn. l. c. 360.

Tropical and sub-tropical South-America.

Cyrtopodium Andersonii R. Br. in Ait. Hort. Kew. ed. II. 216.

Upper Litanie River, near Mount Knopaiamoi: VERSTEEG 381 (fl. Nov.)

Upper Tapanahoni River, near Magneetberg: VERSTEEG 825 (fl. Aug.)

Surinam: NOLTE; KAPPLER 1655 ex Cogn. l. c. 363.

Tropical Brazil, Guyana

var. β **cardiochilum** (Lindl.) Cogn. Flora Bras. III. 5 p. 363.

Cyrtopodium cardiochilum Lindl. Journ. Hort. Soc. Lond. IV. 266.

Para River, near Joden Savanne: WULLSCHLÄGEL 1124 ex Cogn. l. c. 364.

Lower Commewyne district, near Frederiksdorp: KEGEL 1089 (fl. Nov.)
ex Reichb. f. Linnaea XLI 129.

Northern Brazil.

Cyrtopodium parviflorum Lindl. in Hook. Lond. Journ. of Botan. II. 672.

Surinam: KAPPLER 1658 ex Cogn. l. c. 366.

Northern Brazil, British Guyana.

CATASETUM L. C. Rich.

Catasetum macrocarpum L. C. Rich. ex Kunth. Syn. pl. aequin. I. 331.

Paramaribo: SPLITGERBER 1046 H. L. B. 902, 322—703 (fl. June):

KEGEL 859 ex Reichb. f. Linnaea XLI p. 129; WULLSCHLÄGEL 562
ex Cogn. l. c. 395; WENT (gouvernor's gardens) cultivated in
Botanic Gardens Utrecht.

Surinam: SPLITGERBER 753 H. L. B. 902, 322—702, 704, 705 (fl. March);

HOSTMANN 589; LANCE ex Cogn. l. c. 395.

Tropical Brazil, Guyana, Venezuela, Trinidad.

Catasetum fuliginosum Lindl. Botan. Reg. XXVII Misc. 78.

Para district near Joden Savanne: KEGEL 1182 (fl. Nov.) ex Reichb.

f. Linnaea XLI p. 129 named *C. planiceps* Lindl.

British Guyana, Venezuela.

Catasetum discolor Lindl. Botan. Reg. XXVII tab. 34.

Paramaribo, Para district, near Berlijn; WULLSCHLÄGEL 1799 ex Cogn.
l. c. 446.

Amazon district, British Guyana.

CYCNOCHES Lindl.

Cycnoches Loddigesii Lindl. Gen. et Spec. Orch. 154.

Paramaribo: WULLSCHLÄGEL in Herb. Kew; near plant. Quarta: KEGEL 860 (fl. Febr.) ex Reichb. f. Linnaea XLI p. 129.

Surinam: WULLSCHLÄGEL 1125; LANCE ex Cogn. l. c. 449.

British Guyana, Venezuela, Columbia.

PAPHINIA Lindl.

Paphinia cristata Lindl. Botan. Reg. XXIX Misc. p. 14.

Saramacca River, near Maripaston: KEGEL 1356 (fl. March) ex Reichb. f. Linnaea XLI p. 129.

British Guyana, Venezuela, Trinidad.

BATEMANIA Lindl.

Batemanian Colleyi Lindl. Botan. Reg. XX. tab. 1714.

Surinam: WULLSCHLÄGEL 1797 ex Cogn. l. c. 474.

Amazon district, British Guyana.

BIFRENARIA Lindl.

Bifrenaria longicornis Lindl. in Botan. Reg. XXIV Misc. 177.

Surinam River, near Joden Savanne: WULLSCHLÄGEL 1808 ex Cogn. l. c. 493.

Amazon district, British Guyana.

PERISTERIA Hook.

Peristeria guttata Knowl. et Westc. Flor. Cab. II. tab. 70.

Paramaribo, near plant. Quarta: KEGEL 617 ex Reichb. f. Linnaea XLI p. 129, named: *Peristeria cerina Lindl. var. guttulata Reichb. f.*

Upper Surinam River, near Blauwe Berg: SPLITGERBER 914 (fl. May) ex Reichb. f. Ned. Kruidk. Arch. IV. p. 331.

British Guyana.

CORYANTHES Hook

Coryanthes maculata Hook. Botan. Mag. tab. 3102.

Saramacca River, near Janbasigado: PULLE 402 (fl. Jan.)

British Guyana.

STANHOPEA Frost.

Stanhopea grandiflora (Lodd.) Lindl. Gen. et Spec. Orch. 158,

Ceratochilus grandiflorus Lodd. Bot. Cab. t. 1414.

Paramaribo, cultivated by Mrs. Schoch: VERSTEEG 539 (fl. July).

Para district: WULLSCHLÄGEL 561 ex Cogn. l. c. 536.

Para district, near plant. Berlijn: SPLITGERBER 725 H. L. B. 905, 88—83 (fl. March.)

Vernacular name: Lady slipper.

Tropical Brazil, British Guyana, Venezuela, Trinidad.

KEGELIA Reichb. f.

Kegelia Houtteana Reichb. f. in Botan. Zeit. X. 670.

Surinam: KEGEL.

GONGORA Ruiz et Pav.

Gongora quinquenervis Ruiz et Pav. Fl. Peruv. Syst. 227.

Lawa River, near Cottica: VERSTEEG 345 (fl. Nov.)

Paramaribo: SPLITGERBER 68 H. L. B. 902, 322—2296, 2297.

Surinam: KEGEL ex Cogn. l. c. 546

Tropical South America.

Gongora nigrita Lindl. in Botan. Regist. XXV. Misc. p. 59.

Lawa River, near Cottica: VERSTEEG 307 (fl. Nov.)

Upper Litanie River, near Mount Knopaiamoi: VERSTEEG 400 (fl. Dec.)

Paramaribo, (Gouvernor's gardens): WENT 567 (fl. Jan.).

Paramaribo: WULLSCHLÄGEL 563 ex Cogn. l. c. 547.

British Guyana.

MENADENIUM Rafin.

Menadenium labiosum (L. C. Rich.) Cogn. Flora Bras. III. 5 p. 582.

Epidendrum labiosum L. C. Rich. Cat. pl. le Blond. in Act. Soc. Hist.

Nat. Paris I. 112.

Paramaribo: KEGEL ex Cogn. l. c. 584.

Para district, near plant. Berlijn: SPLITGERBER 748 H. L. B. 905, 88—86 (fl. March).

Surinam: FOCKE, WULLSCHLÄGEL 558.

Amazon district, Guyana.

Menadenium Kegelii (Reichb. f.) Cogn. Flora Bras. III. 5, p. 584.

Zygopetalum Kegelii Reichb. f. in Botan. Zeit. X. 668.

Surinam River, near Geyersvlyt and Tourtonne: KEGEL ex Cogn. l. c. 584.

Saramacca River, near Maripaston: KEGEL 427 (fl. May) ex Reichb. f.

Linnaea XLI p. 128 named *Zygosepalum Kegelii* Reichb. f.

BULBOPHYLLUM Thouars.

Bulbophyllum Oerstedii (Reichb. f.) Hemsl. Biol. Centr. Amer. Botan. III. 213.

Bulbophyllaria Oerstedii Reichb. f. in Bonpl. III. 223.

Paramaribo, near Oude Rijkweg: KEGEL 680 (fl. Sept.) ex Reichb. f.
 Linnaea XLI p. 132.
 French Guyana, Nicaragua.

MAXILLARIA Ruiz et Pav.

Maxillaria Parkeri Hook. Botan. Mag. tab. 2729.

Surinam: WENT, cultivated in Botanic Garden, Utrecht.
 Amazon district, British Guyana.

Maxillaria Kegelii Reichb. f. in Linnaea XLI p. 127.

Para district: WULLSCHLÄGEL 1129 ex Cogn. Flora Bras. fasc CXXVII
 p. 11.

Saramacca River, near Maripaston: KEGEL 1355 (fl. May) ex Reichb. f. l. c.

Maxillaria rufescens Lindl. in Bot. Reg. XXI tab. 1802.

Litanie River: VERSTEEG 364 (fl. Nov.)
 Amazon district, British Guyana, Venezuela, West-Indian Islands.

Maxillaria violaceo-punctata Reichb. f. in Bonpl. III. 216.

Marowijne River: VERSTEEG 490 (fl. July.)
 Paramaribo, near Oude Rijkweg: KEGEL 717 (fl. Febr.) ex Reichb. f.
 Linnaea XLI p. 127.
 Para district: WULLSCHLÄGEL 569 ex Cogn. l. c. 15.
 Amazon district, British Guyana.

Maxillaria splendens Pöpp. et Endl. Nov. Gen. et Spec. I. 38. tab. 66.

Surinam: HOSTMANN in Herb. Delessert ex Cogn. l. c. 26.
 Peru, Culumbia.

Maxillaria superflua Reichb. f. Cat. Orch. Schill. 45.

Saramacca River, near Maripaston: KEGEL 1374. (fl. May) ex Reichb.
 f. Linnaea XLI p. 127.
 British Guyana.

Maxillaria discolor Reichb. f. Walp. Ann. Bot. VI. 529.

Surinam: WULLSCHLÄGEL 1128 ex Cogn. l. c. 35.
 Guyana.

Maxillaria Desvauxiana Reichb. f. in Bonpl. III. 67.

Surinam: FOCKE, SPLITGERBER, VAN LANSBERGE ex Cogn. l. c. 54.
 Tropical Brazil, French Guyana, New-Granada.

Maxillaria alba Lindl. Gen. et Spec. Orch. 143.

Paramaribo, near Oude Rijkweg: KEGEL 714 (fl. Febr.) ex Reichb. f.
 Linnaea XLI p. 127.
 Para district: WULLSCHLÄGEL 1126 ex Cogn. l. c. 61.
 Amazon district, Guyana, West-Indian Islands.

Maxillaria uncata Lindl. in Botan. Reg. XXIII tab. 1986.

Gonini River: VERSTEEG without number (fl. Aug.)

Upper Tapahoni River: VERSTEEG 596 (fl. July.)

Near Paramaribo: VERSTEEG 457; KEGEL ex Reichb. f. Linnaea XLI p. 128; WULLSCHLÄGEL 543 ex Cogn. l. c. 67; Cassepoera-kreek:

KEGEL 811 (fl. May) ex Reichb. f. l. c.

Lower Surinam River, near plant. Jagtlust: SPLITGERBER 417 (fl. Dec.) ex Reichb. f. Ned. Kruidk. Arch. IV p. 330.

Para district: KAPPLER 1657 ex Cogn. l. c. 68.

Saramacca River, near Maripaston: KEGEL ex Reichb. f. l. c. 128.

Surinam: HOSTMANN 248 ex Cogn. l. c. 68.

Tropical Brazil, British Guyana.

CAMARIDIUM Lindl.

Camaridium ochroleucum Lindl. Bot. Reg. X. tab. 844.

Paramaribo: KEGEL 625 (fl. Sept.) ex Reichb. f. Linnaea XLI p. 128, named: *Maxillaria Camaridii* Reichb. f.; WULLSCHLÄGEL 550 ex Cogn. l. c. 84.

Surinam River, near plant. Lustrijk: SPLITGERBER 413 H. L. B. 903, 16—937, 938 (fl. Dec.).

Para district: KAPPLER 1659 ex Cogn. l. c. 84.

Surinam: HOSTMANN 411 ex Cogn. l. c. 84.

Tropical South-America.

ORNITHIDIUM Salisb.

Ornithidium vestitum (Swartz.) Reichb. f. in Walp. Ann. Bot. VI. p. 491.

Epidendrum vestitum Swartz. Prodr. 124.

Para district: WULLSCHÄGEL 1127 ex Cogn. l. c. 96.

Tropical Brazil, Peru, Venezuela.

TRIGONIDIUM Lindl.

Trigonidium tenue Lodd. Cat. n. 582.

Gonini River: VERSTEEG without number (fl. Aug.).

Marowijne River, near Poeloegoedoe: VERSTEEG 597 (fl. July).

Para district, near Onoribo: WULLSCHLÄGEL 542 ex Cogn. l. c. 103.

Joden Savanne: KEGEL 624 (fl. July) ex Reichb. f. Linnaea XLI p. 128.

Surinam: HOSTMANN 230; HOSTMANN and KAPPLER 1200 ex Cogn. l. c. 163.

Northern Brazil, British Guyana.

MACRADENIA R. Br.

Macradenia triandra Lindl. in Bot. Reg. XXI. tab. 1815.

Surinam: LANCE ex Cogn. l. c. 112.

British Guyana.

Macradenia surinamensis Reichb. f et Wullschl. ex Reichb. f. in Walp. Ann. Bot. VI. 697.

Para district: WULLSCHLÄGEL 1806 ex Reichb. f. l. c.

Macradenia loxoglottis Focke et Reichb. f. ex Reichb. f. in Walp. Ann. Bot. VI. 697.

Paramaribo: FOCKE ex Reichb. f. l. c.

NOTYLIA Lindl.

Notylia Durandiana Cogn. Flora Bras. fasc. CXVII p. 124

Para district: WULLSCHLÄGEL 1585 ex Cogn. l. c.

Notylia fragrans Focke Botan. Zeit. XI. p. 342.

Paramaribo: WULLSCHLÄGEL 533 ex Cogn. l. c. 126.

Paramaribo, (Gouvernors gardens): WENT 538 (fl. Nov.)

Surinam: FOCKE in Botan. Zeit. l. c.

French Guyana.

Notylia aromatica Barker ex Lindl. in Bot. Regist. XXVII Misc. 77.

Paramaribo: KAPPLER 1644 ex Cogn. l. c. 128; KEGEL 611 (non 671) ex Reichb. f. Linnaea XLI p. 126.

Amazon district, Guyana.

Notylia Wullschlängeliana Focke in Botan. Zeit. XI. 343.

Para district, near Onoribo: WULLSCHLÄGEL 1107 ex Cogn. l. c. 136.

RODRIGUEZIA Ruiz et Pav.

Rodriguezia secunda H. B. K. Nov. Gen. et Spec. I. 367 tab. 92.

Marowynne River: VERSTEEG 416 (fl. Dec.)

Paramaribo, (Gouvernor's Gardens): WENT 313 (fl. Nov.); WULLSCHLÄGEL 528 ex Cogn. l. c. 151; KEGEL 718 (fl. Febr.) ex Reichb. f. Linnaea XLI p. 126.

Lower Surinam River: KAPPLER 1378 ex Cogn. l. c.

Saramacca River: PULLE 119 (fl. Dec.)

Surinam: SPITGERBER 437 H. L. B. 905, 83—348 (fl. Dec.): WULLSCHLÄGEL 328; HOSTMANN 156, 215, 665; KAPPLER 545 ex Cogn. l. c.

A very common species in the colony.

Tropical South-America.

JONOPSIS H. B. K.

Jonopsis paniculata Lindl. in Botan. Reg. XXII tab. 1904.

Litanie River: VERSTEEG 425 (fl. Dec.)

Paramaribo: KEGEL 157 (fl. Aug.) ex Reichb. f. Linnaea XLI. p. 126.

Upper Surinam District, near plant. Maagdeburg: WULLSCHLÄGEL 568 ex Cogn. l. c. 174.

Coppename River: WENT 187 (fl. Aug.)

Surinam: SPLITGERBER H. L. B. 903, 16—538, named: *Jonopsis guyanensis* Splitg.; VAN HALL H. L. B. 900, 351—236; Hb. Molkenboer H. L. B. 903, 16—541; HOSTMANN 156 ex Cogn. l. c. 174.

Vernacular name: »Sapodille orchid».

Tropical South-America.

PLECTROPHORA Focke.

Plectrophora iridifolia Focke in Tijdschr. Wis- en Natuurk. Wetensch. I. 212.

Paramaribo: FOCKE.

Surinam: WULLSCHLÄGEL 1805 ex Cogn. l. c. 185.

TRICHOPILIA Lindl.

Trichopilia mutica Reichb. f. et Wullschl. ex Reichb. in Walp. Ann. Bot. VI. 679.

Surinam: WULLSCHLÄGEL 1696.

Trinidad.

ASPASIA Lindl.

Aspasia variegata Lindl. Bot. Reg. XXII t. 1907.

Paramaribo, near Poelepantje: KEGEL 715 ex Cogn. l. c. 206.

Surinam: SPLITGERBER, WULLSCHLÄGEL 1796 ex Cogn. l. c.

Southern Brazil, British Guyana.

ORNITHOCEPHALUS Hook.

Ornithocephalus avicula Reichb. f. et Wullschl. ex Reichb.f. in Walp. Ann. Bot. VI. 495.

Paramaribo, (Gouvernor's Gardens): WENT 560 (fl. Dec.).

Para district: WULLSCHLÄGEL 540 et 1592 ex Cogn. l. c. 223.

Upper Nickerie River, near Blanche Marie falls: TULLEKEN 349 H. L. B. 903, 322—1038 (fl. Sept.).

Ornithocephalus ciliatus Lindl. Ann. Nat. Hist. IV. 384.

Surinam: LESCHENAULT ex Cogn. l. c. 224.

Guyana.

Ornithocephalus falcatus Focke in Tijdschr. Wis- en Natuurk. Wetensch. I. 211.

Paramaribo: KEGEL 14, KAPPLER 1645; WULLSCHLÄGEL 539 ex Cogn. l. c. 225.

Para district, near Onoribo: FOCKE.

Surinam: HOSTMANN 956 ex Cogn. l. c.

Guyana.

CRYPTARRHENA R. Br.

Cryptarrhena Kegelii Reichb. f. in Botan. Zeit. X. 766.

Paramaribo, near plant. Quarta: KEGEL 450 (fl. Jan.) ex Reichb. f.
Linnaea XLI p. 126.

Cottica River, near Post Belair: SPLITGERBER 814 (fl. April) ex Reichb. f.
Ned. Kruidk. Arch. IV. p. 327.

Surinam: HOSTMANN 832 ex Cogn. l. c. 229.

British Guyana.

BRASSIA R. Br.

Brassia caudata Lindl. in Bot. Reg. X. tab. 832.

Marowijne River, near Singatetee: VERSTEEG 602 (fl. July).

Litanie River: VERSTEEG 417 (fl. Dec.).

Paramaribo: FOCKE 1101a. (fl. April); WENT (cultivated) 565 (fl. Dec.);
near plant. Tourtonne: KEGEL 862 (fl. Aug.) ex Reichb. f. Linnaea
XLI p. 126, named: *Oncidium caudatum* Reichb. f.?

Para district: WULLSCHLÄGEL 1792 ex Cogn. l. c. 258.

Surinam: FOCKE 13 (fl. Octob.) and 1348 (42); FOCKE H. L. B. 902,
322—381.

West-Indian Islands.

Brassia Lanceana Lindl. Botan. Reg. XXI. t. 1784.

Para district: WULLSCHLÄGEL 1584 ex Cogn. l. c. 261.

Casapoera kreek: KEGEL ex Reichb. f. Linnaea XLI p. 126 named
Oncidium suaveolens Reichb. f.

Surinam: SPLITGERBER H. L. B. 902, 322—383; LANCE; WULLSCHLÄGEL
1583 and 1798 ex Cogn. l. c. 261.

var. β **macrostachya Lindl.** in Botan. Reg. XXIV. Misc. 31.

Lower Surinam River, near plant. la Liberté: WULLSCHLÄGEL 1106 ex
Cogn. l. c. 261.

Amazon district, British Guyana.

Brassia Lawrenceana Lindl. in Botan. Reg. XXVII Misc. 6. et tab. 18.

Surinam: Hort. John Kirck ex Cogn. l. c. 259.

Brazil, British Guyana.

ONCIDIUM Sw.

Oncidium iridifolium H. B. K. Nov. gen. et spec. I. 344.

Upper Litanie River: VERSTEEG 423 (fl. Dec.).

Paloemee River: VERSTEEG 884 (fl. Sept.).

Upper Saramacca River: PULLE 216 (fl. March).

Surinam: DUMORTIER without number in Herb. Rheno-Traject; SPLIT-
GERBER 491 H. L. B. 903, 16—1199 (fl. Jan.—March); HOSTMANN
H. L. B. 903, 322—176.

Oncidium Kappleri Reichb. f. in Lindl. Fol. Orch. Oncid. 152.

Lower Surinam River, near plant. Jagtlust: SPLITGERBER 396 ex Reichb. f. Ned. Kruidk. Arch. IV. p. 324.

Upper Saramacca River: PULLE 432 (fl. Jan.).

Surinam: KAPPLER ed. Hohenacker 1600 ex Reichb. f. l. c.

Oncidium Lanceanum Lindl. in Trans. Hort. Soc. II. 100 t. 7.

Paramaribo: SPLITGERBER 69 H. L. B. 903, 16—1201, 1202 (fl. Nov.).

Upper Saramacca River: PULLE 403 (fl. Jan.).

Surinam: KEGEL 1084 (fl. Nov.) ex Reichb. f. Linnaea XVI p. 126;

FOCKE 171 H. L. B. 903, 16—1203; FOCKE without number in Herb.

Rheno-Traject.

Vernacular name: „Tijgerparasiet”. (Splitgerber).

Oncidium pusillum Reichb. f. in Walp. Ann VI. 714.

Paramaribo, near Laan van Tourtonne: KEGEL 612 (fl. Aug.) ex Reichb. f. Linnaea XLI p. 126.

Oncidium Papilio Lindl. Bot. Reg. t. 910.

Upper Tapanahoni River, near Mount Teeboe: VERSTEEG 759 (fl. Aug.) Trinidad.

LOCKHARTIA Hook.

Lockhartia elegans Hook. Bot. Mag. t. 2715.

Para district, near Berlijn: SPLITGERBER 721 H. L. B. 903, 16—856, 857.

Paramaribo, near plant. Vaderzorg: KEGEL 628 (fl. Aug.) named: *Lockhartia Weigeltiana Reichb. f. et Reichb.*

Upper Nickerie River, near Blanche Marie falls: TULLEKEN 384 H. L. B. 903, 322—1097.

BOLLEA Reichb. f.

Bollea violacea (Lindl.) Reichb. f. Botan. Zeit. 1852 p. 667.

Huntleya violacea Lindl. Botan. Reg. XXIII 1991.

Casapoere kreek: KEGEL 1080 (fl. Nov.) ex Reichb. f. Linnaea XLI p. 128 named: *Zygopetalum violaceum Reichb. f.* Xenia Orch. I p. 187 tab. 66.

Saramacca River, near Mount Janbasigado: PULLE 401 (fl. Jan.) British Guyana.

CHAUBARDIA Reichb. f.

Chaubardia surinamensis Reichb. f. Botan. Zeit. X. 671.

Lower Surinam River, near Geyersvlyt: KEGEL 716 (fl. Febr.) ex Reichb. f. Linnaea XLI p. 128.

DICHAEA Lindl.

Dichaea Kegellii Reichb. f. Linnaea XLI p. 129.

Saramacca River, near Maripaston: KEGEL 1351 (fl. May) ex Reichb. f. l. c.

Dichaea brachypoda Reichb. f. Beitr. Orch. Centr. Am. 78.

Casapoera creek: KEGEL 1081 (fl. Nov.)

Saramacca River, near Maripaston: KEGEL 1081 (fl. May) ex Reichb. f.

Linnaea XLI p. 130.

Costa-Rica.

Dichaea Splitgerberi Reichb. f. Ned. Kruidk. Arch. IV. p. 327.

Upper Surinam River, near Blauwe Berg: SPLITGERBER 923 (fl. May)
ex Reichb. f. l. c.

Surinam: KAPPLER 1840.

Dichaea graminoides Lindl. Gen. et spec. Orch. 209

Surinam: SPLITGERBER 697 (fl. March) ex Reichb. f. Ned. Kruidk.
Arch. IV. p. 328.

West-Indies.

Dichaea Weigeltii Reichb. f. Ned. Kruidk. Arch. IV. p. 328.

Surinam: WEIGELT.

ANGRAECUM Bor.

Angraecum micranthum Lindl. Bot. Reg. XXI t. 1772.

Paramaribo: KEGEL 428 (fl. Aug.) ex Reichb. f. Linnaea XLI p. 130,
named *Aeranthus micranthus Reichb. f.*

Surinam SPLITGERBER H. L. B. 902, 322—701.

PIPERACEAE.

HECKERIA Kunth.

Heckeria peltata (L.) Kunth Linnaea XIII p. 565.

Piper peltatum Linn. Sp. 42.

Paramaribo: KEGEL 882 (fl. June); FOCKE 131 named *Potomorphe peltata* Miq. Comm. Phytogr. 37 et 45.

Saramacca River, near Granman-kondre: PULLE 445 (fl. Jan.)

Nickerie: TULLEKEN 285 H. L. B. 903, 322—1073 (fl. Aug.)

Surinam: SPLITGERBER 142 H. L. B. 905, 28—24 (fl. Dec.)

Vernacular name: „Swietie ancisie wiwirie” or: „Anijsblad”.

Tropical South-America.

PIPER Linn.

Piper Hohenackeri Cas. D. C. Prodr. XVI p. 243.

Paramaribo: KAPPLER 1668 in Herb. Boiss. ex C. D. C.

Piper marginatum Jacq. Icon. rar. I. p. 2. t. 215.

Paramaribo, near Pocelepantje et Quarta: KEGEL 85 and 135, named *Artanthe caudata* Miq. Syst. Pip. 380 and in Linnaea XII. p. 76.

Near Vredenburger-kreek: FOCKE 714 (fl. Octob.); near Paramaribo: FOCKE 714

Surinam River, near Domburg: TULLEKEN 176 H. L. B. 903, 322—1408 (fl. Aug.)

Upper Surinam River: FOCKE, named *Artanthe catalpaefolia* Miq. Syst. pip. 381; Linnaea XVIII p. 226.

Saramacca River, near Maripaston: PULLE 22 (fl. Nov.)

Surinam: FOCKE without number: HOSTMANN and KAPPLER 629 k.; HOSTMANN 633 H. L. B. 905, 28—14; WEIGELT H. L. B. 905, 28—11 named *Piper catalpaefolium* H. B. K.; FOCKE 714 H. L. B. 905, 28—12.

Vernacular name: „Oeman ancisie-wiwirie”, or: „Boesi ancisi” or: „Weti-ancisi”.

Tropical South-America.

Piper Warakaboura (Miq.) Cas. D. C. Prodr. XVI. p. 257.

Ottonia Warakaboura Miq. Linnaea XX p. 180.

Saramacca River: PULLE 27 (fl. Nov.).
 Surinam: HOSTMANN and KAPPLER 687.
 Vernacular name: »Man-aneisi-wiwirie”.
 Amazon district.

Piper geniculatum Swartz Prodr. 15.

Lower Surinam River: FOCKE 469 (fl. April) and 331 (fl. Sept.).
 Paramaribo: KAPPLER Ed. Hohenacker 1666 named: *Artanthe geniculata* Miq.; near Poelephantje: KEGEL 72 (fl. July); near plant. Quarta: KEGEL 289 (fl. Aug.); SPLITGERBER 226 H. L. B. 905, 28—16 (fl. Dec.); near Orellana-kreek: FOCKE 709 (fl. Octob.) and 711 (fl. Octob.).
 Para district: FOCKE 1003 (fl. Sept.)
 Sara-kreek: WENT 513 (fl. Octob.).
 Lower Commewyne River: FOCKE 411 and 850
 Saramacca River: PULLE 86 (fl. Nov.).
 Surinam: WEIGELT H. L. B. 905, 28—15 named *Piper nitidum* Sw.?;
 FOCKE 539, 1252 and 1144.
 Vernacular name: »Man-aneisi”.
 Tropical America.

Piper Marowynense Cas. D. C. Prodr. XVI p. 268.

Marowyne River: WULLSCHLÄGEL 1562 ex Cas. D. C. l. c.

Piper nitidum Vahl. Enum I. p. 314

Gonini River: VERSTEEG 102 (fl. Aug.).
 Paramaribo: KEGEL 170 and 465; WENT 361 (fl. Sept.); 451 (fl. Nov.)
 Joden Savanne: KAPPLER Ed. Hohenacker 1667 (fl. Oct.).
 Coronie: TULLEKEN 573 H. L. B. 903, 322—980 (fl. Oct.).
 Surinam: FOCKE 410 and 133; HOSTMANN 709; TULLEKEN 212 H. L. B. 903, 322—1138; DUMORTIER without number.

Piper hirsutum Swartz. Prodr. p. 15.

Orellana-kreek: FOCKE 708 (fl. Octob.).
 Paramaribo, near Tourtonne: FOCKE 134; WENT 312 (fl. Aug.).
 Para district, near Santigrón: WENT 201 (fl. Aug.).
 Vernacular name: »Man-aneisi”.
 Tropical America.

Piper aduncum L. Spec. pl. p. 41.

Lower Surinam River, near Jagtlust: WENT 89 (fl. Aug.).
 Paramaribo: KEGEL 53 (fl. June), named *Artanthe adunca* Miq. in Linnaea XXII p. 77; FOCKE 132; near Tourtonne: FOCKE 659 (fl. Sept.).
 Para district: SPLITGERBER 1139 H. L. B. 905, 28—1 (fl. Dec.).
 Upper Saramacca River: PULLE 446 (fl. Jan.).

Surinam: WEIGELT H. L. B. 905, 28—5; without collectors' name
(Hostmann?) H. L. B. 905, 28—4.
Tropical South-America.

Piper affine (Miq.) Cas. D. C. Prodr. XVI. p. 286.

Artanthe affinis Miq. Linnaea XVIII. p. 228.

Paramaribo: KEGEL 821 (fl. March); near Vredenburg Zandrits:
Focke 710 (fl. Oct.).

Saramacca River: PULLE 58 (fl. Nov.).

Piper Hostmannianum (Miq.) Cas. D. C. Prodr. XVI. p. 287.

Artanthe Hostmanniana Miq. in Hook. Lond. Journ. of Bot. IV. p. 465.

Surinam River, near plant. Onverwacht: Focke 913 (fl. Sept.).

Coppename River: BOON 1181 (fl. Sept.).

var. β ramiflorum (Miq.) Cas. D. C. l. c. 287.

Artanthe ramiflora Miq. in Kappl. Plant. surin. n^o. 1397.

Surinam River, near Station Victoria: KAPPLER 1397 (fl. Dec.).

Amazon district.

Piper Leprieurii (Miq.) Pulle.

Artanthe Leprieurii Miq. Syst. Pip. 525.

Upper Gonini River: VERSTEEG 185 (fl. Aug.).

Lower Surinam River: KAPPLER ed. Hohenacker 1275, named *Piper*
surinamense Cas. D. C. Prodr. XVI p. 296.

Surinam: Focke 1244.

Tropical Brazil, French Guyana.

Piper Paramaribense Cas. D. C. Prodr. XVI. p. 297.

Paramaribo: WULLSCHLÄGEL 1563 ex Cas. D. C. l. c.

Piper Demeraranum (Miq.) Cas. D. C. Prodr. XVI. p. 298.

Para district: WULLSCHLÄGEL ex Cas. D. C.

Surinam: HOSTMANN 312 named *Artanthe Demerarana* Miq. in Hook
Lond. Journ. of Bot. IV. p. 464,

Piper anonaefolium (Kth.) Cas. D. C. Prodr. XVI. p. 299.

Steffensia anonaefolia Kth. Linnaea XIII p. 619.

Upper Tapanahoni River: VERSTEEG 816 (fl. Aug.)

Paramaribo: Focke 834, named *Artanthe anonaefolia* Miq. Syst. Pip.
p. 504.

Saramacca River, near Maripaston: KEGEL without number (fl. May);
near Mindrinetti: PULLE 28 (fl. Nov.)

Nickerie River: TULLEKEN 506 H. L. B. 903, 322—997.

Surinam: HOSTMANN 313; WULLSCHLÄGEL 1560 ex D. C. l. c.

Tropical Brazil, Guyana.

Piper Avellanum (Miq.) Cas. D. C. Prodr. XVI. p. 302.

Artanthe Avellana Miq. Syst. Pip. 478.

Surinam: FOCKE without number.

French Guyana.

Piper obliquum Ruiz et Pav. Flora Peruv. I. p. 37 t. 63.

Surinam: KAPPLER H. L. B. 903, 322—409.

Tropical South-America.

Piper angustum Rudge Icon. p. 10 t. 7.

Artanthe angusta Miq. Syst. pip. 398.

Upper Surinam River: NOLTE without number in Hb. Götting.

Piper Kappleri Cas. D. C. in Seem. Journ. 1866. p. 213.

Surinam: KAPPLER 1885 ex Cas. D. C. Prodr. XVI. p. 311.

Piper asperifolium Ruiz et Pav. Flora Peruv. I. p. 37 t. 56.

Paramaribo: SPLITGERBER 41 H. L. B. 905, 28—21 (fl. Nov.) and 225

H. L. B. 905, 28—19 (fl. Dec.), named *Artanthe hispida* Miq. Comm.

phyt. p. 50 t. 8; near Poelephantje: KEGEL 51 (fl. July), named *Artanthe asperifolia* Miq. Syst. pip.

Surinam: Hb. van Hall in H. L. B. 905, 28—8; Hb. Molkenboer in

H. L. B. 905, 28—6.

Tropical Brazil.

Piper auritum H. B. K. Nov. Gen. et Spec. I. p. 45.

Surinam: SPLITGERBER 225 H. L. B. 905, 28—41.

Tropical South-America.

Piper Kegelii Cas. D. C. Prodr. XVI. p. 323.

Saramacca River, near Maripaston: KEGEL 1329 and 1336 (fl. May)

named *Artanthe hymenophylla* Miq. Syst. Pip. p. 532.

Surinam: HOSTMANN 312.

Piper foveolatum Cas. D. C. Prodr. XVI. p. 329.

Saramacca River, near Saron: KEGEL 1364 (fl. May) named *Enckea*

dubia Kth.

Surinam: H. L. B. 905, 28—46; KAPPLER 1482 ex Cas. D. C. l. c.

French Guyana.

Piper Marowinianum Cas. D. C. Prodr. XVI. p. 337.

Marowynne River: KAPPLER ed. Hohenacker 1885 (fl. Aug.)

Northern Brazil.

Piper trichoneuron (Miq.) Cas. D. C. Prodr. XVI. p. 281.

Surinam: HOSTMANN 275 H. L. B. 905, 28—22 sub *Artanthe trichoneura*

Miq. Syst. Pip. 483.

French Guyana.

Piper oblongifolium (Miq.) Cas. D. C. Prodr. XVI. p. 273.

Artanthe oblongifolia Miq. Syst. pip. 515.

Paramaribo : SURINGAR H. L. B. 905, 28—45 (fl. Dec.).

Guyana.

Piper nigrum Linn. Spec. pl. p. 40.

Surinam : SPLITGERBER 1041 H. L. B. 905, 28—44 (fl. June).

Cultivated in gardens.

Tropical Asia.

Piper Rudgeanum (Miq.) Cas. D. C. Prodr. XVI. p. 373.

Artanthe Rudgeana Miq. Linnaea XXII. p. 77.

Surinam, near Loango : KEGEL without number. (fl. June).

Piper Kegelianum (Miq.) Cas. D. C. Prodr. XVI. p. 372.

Artanthe Kegeliana Miq. Linnaea XXII. p. 77.

Para district, near Onoribo : KEGEL 659 (fl. Sept.).

Piper salicifolium Vahl. Enum. I. p. 312.

Surinam ex Vahl. l. c. named *Artanthe salicifolia* Miq. Syst. pip. p. 533.

NEMATANTHERA Miq.

Nematanthera guyanensis Miq. Linnaea XVIII. p. 606.

Para district : KAPPLER 1438.

Surinam : HOSTMANN 19 ex Cas. D. C. l. c. 367.

PEPEROMIA Ruiz et Pav.

Peperomia pellucida H. B. K. Nov. Gen. et Spec. I. p. 64.

Tapanahoni River, near Drie Tabbetje : VERSTEEG 666 (fl. Aug.).

Paramaribo : SPLITGERBER 38 H. L. B. 905, 28—35 (fl. Nov.); TULLEKEN 15; H. L. B. 903, 322—1311 (July) and 103 H. L. B. 903, 322—1457 (fl. Aug.); WENT 13 (fl. July).

Surinam River, near Domburg : TULLEKEN 258 H. L. B. 903, 322—1163 (fl. Aug.).

Surinam : HOSTMANN and KAPPLER 65; FOCKE without number named

Macropiper pellucidum Miq. Comm. Phyt. p. 54.

Vernacular name : »Konsaka-wiwirie».

All tropical South-America, Africa.

Peperomia surinamensis Cas. D. C. Prodr. XVI. p. 408.

Paramaribo : KAPPLER 1577 ex Cas. D. C.

French Guyana.

Peperomia Velloziana Miq. Syst. Pip. 88.

var. β . **polysticta** Miq. in Linnaea XVIII. p. 226.

Paramaribo, near Tourtonne : KEGEL 437.

Peperomia melanostigma Miq. Syst. pip. p. 90.

Upper Commewyne River: FOCKE 262 (fl. Octob.).

Saramacca River, near Groningen: WENT 162 (fl. Aug.).

Surinam: FOCKE 745; HOSTMANN and KAPPLER 799; HOSTMANN 437.

var. β **nervulosa** Cas. D. C. Prodr. XVI. p. 409.

Surinam: HOSTMANN 437 in Herb. Berol.

var. γ . **glabrior** Cas. D. C. l. c.

Paramaribo: KEGEL 438 ex Miq. Linnaea XXII. p. 76.

Guadeloupe, Tropical Brazil.

Peperomia nummularifolia H. B. K. Nov. Gen. et Spec. I. p. 66.Saramacca River, near Maripaston: KEGEL 1357, named *Acrocarpidium nummularifolium* Miq. Syst. pip. p. 62.

Upper Saramacca River: PULLE 487.

Upper Nickerie River: TULLEKEN 446 H. L. B. 903, 322—1563.

Surinam: SPLITGERBER 63 H. L. B. 905, 28—33; KAPPLER 1885a, named *Acrocarpidium parvula* Miq. nom. ined.; HOSTMANN 117; WEIGELT ex D. C. l. c. 421.

Vernacular name: "Tibrie wiwirie" or "Pikien fouroe sopo".

All tropical America.

Peperomia Parkeriana Miq. in Hook. Lond. Journ. of Botan. IV. p. 427.

Lower Surinam River, near Geyersvlyt: KEGEL 1005 ex Miq. Linnaea XXII. p. 76.

Surinam: HOSTMANN and KAPPLER 401.

British Guyana.

Peperomia magnoliaefolia (Jacq.) A. Dietr. Spec. I. p. 153.*Piper magnoliaefolium* Jacq. Coll. III. p. 210; Icon. rar. II. t. 213.

Paramaribo: SPLITGERBER 239 H. L. B. 905, 28—31 (fl. Dec.)

Upper Saramacca River, near Lawali-falls: PULLE 485 (fl. March).

Coppename River: BOON 1127 (fl. Sept.)

Surinam: HOSTMANN 401a; KEGEL 806.

Tropical South-America.

Peperomia distachya A. Dietr. Spec. I. p. 156.

Para district; near plant. Onverwacht: FOCKE 407 H. L. B. 905, 28—28 and 29.

Commewyne district, near Orellana-kreek: FOCKE ex Miq. Linnaea XVIII. p. 226.

Surinam: FOCKE 713.

Peperomia obtusifolia (L.) A. Dietr. Spec. pl. p. 154.*Piper obtusifolium* Linn. Spec. p. 42.

Marowynne River, near Albina: VERSTEEG 536 (fl. July).

Paramaribo: KEGEL 619.

Para district: FOCKE 617 (fl. April).
Tropical South-America.

Peperomia rupestris H. B. K. Nov. Gen. et Spec. l. p. 62.
Paramaribo, near Tourtonne and Quarta: KEGEL 1037.
Surinam: SEEMAN 608 in Hb. Kew. ex Cas. D. C. l. c. 431.
Tropical Brazil.

Peperomia scandens Ruiz et Pav. Flora Peruv. l. p. 32.
Paramaribo; near plant. Quarta: KEGEL 152, named *Acrocarpidium repens* Miq. Syst. pip. 57.
Para district: SPLITGERBER 1138 H. L. B. 905, 28—40.
Vredenburg-rits: FOCKE 134 H. L. B. 905, 28—39.
Peru, tropical Brazil, Guyana.

Peperomia macrostachya (Vahl.) A. Dietr. Spec. l. p. 149.
Piper macrostachyon Vahl Enum. l. p. 341.
Paramaribo: SPLITGERBER 238 H. L. B. 905, 28—30.
French Guyana.

Peperomia circinata Link. Jahrb. l. p. 64.
Paramaribo: POHL in Hb. Vindob. ex Cas. D. C. l. c. 444.
Brazil, Guyana, West-Indian Islands.

Peperomia angulata (R. S.) H. B. K. Nov. Gen. l. p. 66.
Piper angulatum Röm. et Schult. Mant. l. p. 332.
Litanie River: VERSTEEG 363 (fl. Nov.)
Paramaribo: SPLITGERBER 301 H. L. B. 905, 28—26 (fl. Dec.)
Surinam: HOSTMANN and KAPPLER 784a.
Venezuela.

LACISTEMACEAE.

LACISTEMA Swartz.

Lacistema myricoides Swartz Prodr. II. p. 12.

Paramaribo: KAPPLER ed. Hohenacker 1629 (fl. March); KEGEL 487 (fl. Aug.); SPLITGERBER 114 H. L. B. 905, 28—47 (fl. Nov.); FOCKE 86, H. L. B. 905, 28—48.

Surinam: HOSTMANN 25 H. L. B. 903, 322—23; KAPPLER H. L. B. 903, 322—408.

Guyana, Peru, Chili.

var. β . **stipitatum** A. D. C. Prodr. XVI. p. 592.

Surinam: WULLSCHLÄGEL in Herb. Mart. ex A. D. C. l. c.

Lacistema angustum Schnizl. Flora Bras. IV. 1. p. 283 t. 80.

Surinam: WULLSCHLÄGEL without number ex D. C. Prodr. XVI.

British Guyana.

Lacistema recurvum Schnizl. Flora Bras. IV. 1. p. 283 t. 81.

Surinam: SPLITGERBER in Herb. Vind. ex Schnizl. l. c.

Tropical Brazil, Guyana.

Lacistema grandifolium Schnizl. Flora Bras. IV. 1. p. 284.

Upper Surinam River, near Bergendal: FOCKE 935 named *Lacistema tomentosum* Miq. nom. ined.

Surinam: FOCKE H. L. B. 905, 28—49; HOSTMANN 1266.

Northern Brazil, French Guyana.

Lacistema floribundum Miq. Linnaea XVIII. p. 24.

Paramaribo: FOCKE 660 (fl. Sept.)

British Guyana.

U L M A C E A E.

TREMA Lour.

Trema micrantha (Swartz.) Engl. Nat. Pflanzenfam. III. 1. p. 65.

Celtis micrantha Swartz Prodr. 53.

Marowyne River: KAPPLER Ed. Hohenacker 1884 (fl. Aug.)

Paramaribo, near Pcelepantje: KEGEL 178 (fl. July).

Upper Saramacca River, near Granmankondre: PULLE 444 (fl. Jan.)

Surinam: HOSTMANN 674.

All tropical America.

MORACEAE.

ARTOCARPUS Forst.

Artocarpus communis Forst. Char. gen. 100.

Artocarpus incisa Linn. f. Suppl. 411.

Surinam River, near plant. Jagtlust: TULLEKEN 87 H. L. B. 903, 322 1366.

Vernacular name: »Broodboom»

Cultivated in all tropical countries.

HELICOSTYLIS Trec.

Helicostylis affinis (Steud.) Miq. Flora Bras. IV. p. 118.

Olmedia affinis Steud. in sched.

Lower Surinam River: HOSTMANN and KAPPLER 1280 (fl. Dec.).

BROSIMUM Swartz.

Brosimum discolor Schott in Spreng. Syst. Veg. IV.

Surinam: KAPPLER ex Miq. Flora Bras. IV. 9. p. 110.

Tropical Brazil, Guyana.

FICUS Linn.

Ficus pertusa Linn. f. Suppl. 442.

Ficus surinamensis Miq. Ann. Mus. Bot. Lugd. Bat. III. 219.

Urostigma pertusum Miq. Flora Bras. IV. p. 100.

Urostigma Rolandri Liebm. ex Miq. Flora Bras. IV. 1. p. 99.

Paramaribo, near plant. Quarta: KEGEL 186 (fl. July).

Upper Surinam River: FOCKE 1304 (fl. May.).

Surinam: ROLANDER ex Miq. l. c.

Guyana.

Ficus erythrosticta Miq. Ann. Mus. Bot. Lugd. Bat. III. 226.

Paramaribo: KEGEL 356; FOCKE 1385; WENT 266.

Paulus-kreek: WENT 552.

British Guyana.

Ficus gemina Ruiz ex Miq. Flora Bras. IV. 1 p. 98.

Surinam: WULLSCHLÄGEL ex Miq. l. c.

Amazon district, Peru.

COUSSAPOA Aubl.

Coussapoa asperifolia Trec. Ann. Sc. nat. ser. III. 8. p. 96.

Commewyne district, near plant. Lustrijk: SPLITGERBER 448 H. L. B.

905, 185—38 (fl. Dec.) named *Coussapoa media* Splitgerb. Mss.

Surinam: HOSTMANN 1189.

British Guyana.

Coussapoa latifolia Aubl. Plant. Guyan. II. 955 t. 362.

var. **obovata** Miq. Flora Bras. IV. 1 p. 135.

Upper Surinam River, near Bergendal: FOCKE 418 (fl. Sept.) and FOCKE

9 H. L. B. 905, 185—40.

POUROUMA Aubl.

Pourouma mollis Trec. Ann. Sc. nat. ser. III. 8. 102.

Surinam: HOSTMANN 1272.

Brazil, French Guyana.

CECROPIA Linn.

Cecropia peltata Linn. Amoen. Acad. V. 410 n. 116.

Litanie River: VERSTEEG 418 (fl. Dec.)

Jamaica.

Cecropia surinamensis Miq. Flora Bras. IV. 1. p. 143.

Para district: FOCKE (fl. Sept.).

Lower Coppename River: WENT 130.

Surinam: SPLITGERBER 1093 H. L. B. 905, 185—37 (fl. Febr.)

British Guyana.?

Cecropia palmata Willd. Spec. pl. IV. 652.

Surinam: SPLITGERBER 180 H. L. B. 905, 185—35.

Amazon district, British Guyana.

All species of *Cecropia* are named in the colony: „Bosch-papaya”.

URTICACEAE.

FLEURYA Gaud.

Fleurya aestuans (L.) Gaud. Bot. Voy. Uran.

Upper Tapanahoni River: VERSTEEG 668 (fl. Aug.)

Paramaribo: FOCKE without number.

Surinam: HOSTMANN H. L. B. 903, 322—45.

var. γ . **racemosa Weddell** in D. C. Prodr. XVI. p. 72.

Paramaribo: SPLITGERBER H. L. B. 905, 185—43; KEGEL 144 (fl. July);

TULLEKEN 10 H. L. B. 903, 322—1316; WENT 19 (fl. July).

Saramacca River: PULLE 21 (fl. Nov.)

Vernacular name: „Krassi-wiwirie”.

All tropical countries.

PROTEACEAE.

PANOPSIS Salisb.

Panopsis hameliaefoliae (Rudge) Knight Prot. 104.

Ropala hameliaefolia Rudge Guyan. l. 22 t. 31.

Upper Gonini River: VERSTEEG 233 (fl. Sept.)

Surinam: ANDERSON in Hb. Banks ex Meissner Flora Bras. V. I. p. 78.
Guyana

LORANTHACEAE.

STRUTHANTHUS Mart.

Struthanthus syringifolius Mart. Flora 1830 p. 102.

Lower Surinam River : FOCKE 828 (fl. Aug.) on Citrus, named : *Struthanthus cuspidatus* Don. by Miquel in Linnaea XVIII. p. 64 ; near plant. Marienburg : WENT 269 (fl. Aug.) on Erythrina.

Paramaribo : FOCKE 644 (fl. Sept.) ; SPLITGERBER 260 H. L. B. 905, 185—14, named *Loranthus ovalis* Splitg. Mss ; near Poelepantje : KEGEL 837 (fl. March).

Para district, near Osembo : FOCKE 590 and 592, named *Loranthus cuspidatus* Mart. by Miq. Linnaea XVIII. p. 64.

Surinam : FOCKE 1213 ; WULLSCHLÄGEL ex Eichl. Flora Bras. V. 2 p. 79. Tropical Brasil, Guyana.

Struthanthus dichotrianthus Eichl. Flora Bras. V. 2 p. 75.

Paramaribo : KAPPLER 1609 named *Struthanthus pauciflorus* Miq. Linnaea XVIII. p. 752.

Surinam : FOCKE 1357 (fl. April) ; HOSTMANN H. L. B. 903, 322—315. Venezuela, British Guyana, Trinidad.

Struthanthus concinnus Mart. Flora 1830 p. 102.

Paramaribo : KEGEL 13 (fl. June).

Tropical and sub-tropical Brazil.

Struthanthus confertus Mart. Flora 1830 p. 102.

Lower Saramacca River, near plant. Catharina Sophia : SPLITGERBER 838 on Crescentia cujete (fl. April) H. L. B. 905, 185—9.

Tropical Brazil.

ORYCTANTHUS Eichl.

Oryctanthus ruficaulis (Pöpp. et Endl.) Eichl. Flora Bras. V. 2. p. 90.

Loranthus ruficaulis Pöpp. et Endl. Nov. Gen. II. 61 t. 185.

Goniniriver: VERSTEEG 824 (fl. Aug.)

Paramaribo: FOCKE 406 on Nerium Oleander named: *Loranthus surinamensis* Miq. Linnaea XVIII p. 63.

Para district; near Onoribo: FOCKE 883 named *Loranthus vestitus* Miq. Linnaea XVIII p. 62; SPLITGERBER 614 H. L. B. 905, 185—5, named *Loranthus angulatus Splitg.* Mss.; near Osembo: FOCKE 607, named *Loranthus vestitus* Miq.

Upper Surinam River, near Bergendal: FOCKE 405 named *Loranthus surinamensis* Miq.; FOCKE 926 (fl. Sept.).

Upper Saramacca River; PULLE 411 (fl. Jan.)

Saramacca River, near Maripaston: KEGEL 1321 (fl. May.)

Surinam: FOCKE without number, named *Loranthus chloranthus* Miq.

Stirp. Surin. Select p. 205; HOSTMANN H. L. B. 903, 322—111,

Tropical Brazil, Guyana.

Oryctanthus botryostachys Eichl. Flora Bras. V. 2 p. 89.

Surinam River, near Joden Savanne: KEGEL 1151 (fl. Nov.)

Tropical Brazil, French Guyana.

PHTHIRUSA Mart.

Phthirusa Theobromae (Willd.) Eichl. Flora Bras. V. 2 p. 56.

Loranthus Theobromae Willd. Herb. 6945.

Lower Surinam River, near Geyersvlyt: KEGEL 828 (fl. March).

Paramaribo: KEGEL 131 (fl. July) and 288 (fl. Aug.); FOCKE 799 (fl. April) on Crescentia Cujete named *Loranthus flexistylis* Miq. Linnaea XVIII p. 65; WENT 492 (fl. Octob.) on Melia Azedarach.

Para district, near Osembo: FOCKE 587 (fl. April).

Upper Saramacca River: PULLE 426 (fl. Jan.)

Surinam: FOCKE 765 on Hibiscus; FOCKE H. L. B. 905, 185—10; without collector's name H. L. B. 905, 185—2 and 3, named *Loranthus aduncus* Meyer; HOSTMANN 557; WULLSCHLÄGEL ex Eichler l. c.

All tropical South-America.

Phthirusa squamulosa Eichler Flora Bras. V. 2 p. 62.

Struthanthus squamulosus Klotzsch in Schomburgk Reise III 978 (nomen nud.)

Gonini River: VERSTEEG 210 (fl. Sept.)

Surinam River, near Joden Savanne: KEGEL 246 (fl. Nov.)

Para district, near plant. Berlijn: HOSTMANN 1068 ex Eichler l. c.; near Joden Savanne: SPLITGERBER 858 H. L. B. 905, 185—12 (fl. April) named: *Loranthus fulgens Splitg.* mss.; KEGEL 246 (fl. Nov.)

Upper Saramacca River: PULLE 410 (fl. Jan.)

Upper Nickerie River, near Blanche Marie falls: TULLEKEN 316
 H. L. B. 903, 322—1213 and 1610 (Sept.)
 Surinam: WULLSCHLÄGEL ex Eichler l. c.
 British Guyana.

Phthirusa pyrifolia (H. B. K.) Eichler Flora Bras. V. 2 p. 63.

Loranthus pyrifolius H. B. K. Nov. Gen. III. 441.

Lower Surinam River, near plant. Marienburg: WENT 275 (fl. Aug.)
 on Tamarindus.

Paramaribo: SPLITGERBER 76 H. L. B. 905, 185—4 (fl. Nov.) on
 Citrus; SPLITGERBER 1183 H. L. B. 905, 185—16 (fl. March); FOCKE
 254 (fl. Octob.) on Lagerströmia indica

Surinam: HOSTMANN and KAPPLER 669; FOCKE 619; WULLSCHLÄGEL
 ex Eichler l. c.

Tropical South-America.

Phthirusa Seitzii Krug. et Urban in Additamenta ad cognition. florae
 Indiae occident. part. IV. in Botanische Jahrbücher Bnd. XXIV. p 17.

Surinam: WULLSCHLÄGEL 226 ex Krug. et Urban l. c.

Tabago, Trinidad.

PSITTACANTHUS Mart.

Psittacanthus clusiaefolius (Willd.) Eichl. Flora Bras. V. 2 p. 30.

Gonini River: VERSTEEG 241 (fl. Sept.)

Orinoco, Northern Brazil.

Psittacanthus cucullaris (Lam.) Blume in Schult. Syst. VII. 1730.

Loranthus cucullaris Lam. in Journ. Hist. nat. Paris. 107.

Upper Litanie River: VERSTEEG 407 (fl. Dec.)

Upper Saramacca River, near Toekoemoetoe: PULLE 469 (fl. March)
 on Inga spec.

Upper Coppename River: BOON 1146 (fl. Sept.).

Northern Brazil, Guyana.

PHORADENDRON Nutt.

Phoradendron acinacifolium Eichl. Flora Bras. V. 2. p. 117.

Upper Tapanahoni River: VERSTEEG 901 (fl. Sept.) on Psidium sp.

Upper Coppename River: BOON 1157 (fl. Sept.).

Tropical and sub-tropical Brazil.

Phoradendron latifolium (Sw.) Griseb. Flora Br. West. Ind. Islands 314.

Viscum latifolium Sw. Prodr. fl. Ind. Occ. I. 268.

Paramaribo: SPLITGERBER 241 H. L. B. 905, 185—18 (fl. Dec.). named *Viscum luteum Splitg.* mss.; near plant. Quarta and Poelephantje; KEGEL 198 (fl. July).

Upper Saramacca River: PULLE 413 (fl. Jan.).

Surinam: FOCKE 281 and 448 on Citrus named: *Viscum Fockeanum* Miq. Linnaea XVIII p. 60; HOSTMANN 729; WULLSCHLÄGEL ex Eichl. l. c. 127.

All tropical South-America.

Phoradendron racemosum (Aubl.) Krug et Urb. in Englers Botanische Jahrbücher XXIV. p. 46.

Viscum racemosum Aubl. Pl. Guyan. II. 895.

Para district, near Osembo: FOCKE 586 (fl. April) on Crescentia Cujete, named *Viscum glandulosum* Miq. Linnaea XVIII p. 60; near plant. la Prospérité: FOCKE 985.

Upper Surinam River near Bergendal: FOCKE 989.

Northern Brazil, Guyana, West-Indian Islands.

Phoradendron dimidiatum (Miq.) Eichl. Flora Bras. V. 2 p. 134. m.

Viscum dimidiatum Miq. Linnaea XVIII. p. 58.

Orellana creek, near plant. La Campagne: FOCKE 716 (fl. Octob.) on Citrus; on Persea FOCKE 168 H. L. B. 905, 185—11, named *Loranthus Fockei Splitg.* mss.

Phoradendron obtusissimum (Miq.) Eichl. Flora Bras. V. 2 p. 134. m.

Viscum obtusissimum Miq. Linnaea XVIII p. 602.

Para district: FOCKE 1019 (fl. Sept.); near post Belair: SPLITGERBER 816 H. L. B. 905, 185—19. (fl. April). on Inga, named *Viscum obovatum Splitg.* mss.

Phoradendron rubrum (L.) Griseb. Flora Br. West. Indian Isl. 314.

Viscum rubrum Linn. Spec. 1451.

Paramaribo: SPLITGERBER 249 H. L. B. 905, 185—17 (fl. Dec.), named *Viscum alatum Splitg.* mss.

All tropical America.

Phoradendron surinamense Pulle nova spec.

Caulis teres, siccitate striatus, vaginis cataphyllaribus ad omnia internodia, orchreiformibus, vix bilobatis. Folia lanceolata vel linearia, plerumque falcata, coriacea, apice acuta, nervis parallelis utrinque valde prominentibus. Spicae axillares, solitariae, nec non terminales, 2—3-articulatae, articulis 2×3 -floris, androgynis, flore impari ♂. Flores articulae inferioris saepe abortivi. Flores in reacheos foveas profunde immersi, perigonis exsertis. Rachis apice acuta; vaginae bracteales breves, subtruncatae, rachi appressae. Bacca non suppetit.

Frutex ramosissimus Ramuli dichotomi, oppositi, ad nodos paulo incrassati, virides Internodia 4—7 cM longa Folia 2—4 cM longa, 3—6 mM. lata Vaginae cataphyllares 2 mM. longae. Spicae 10—12 mM. longae.

Pl. V.

Gonini River: VERSTEEG 239 (fl. Sept.)

Parasitic on *Erythroxylon* sp.



T. Lamerh. ten. del.

Lith. cur. a. PWM. Trass.

Phoradendron surinamense Pulle.

OLACACEAE.

XIMENIA Plum.

Ximenia americana Linn. Sp 497.

Para district: KAPPLER 1718

Surinam: FOCKE 242 v. Miquel Linnaea XVIII (1844) p. 268. where

Miquel gives a description of the fruit; HOSTMANN 395; WULLSCHLÄGEL
781 ex Engler Flora Bras. XII 2 p. 10.

Tropical America and Asia.

HEISTERIA Jacq.

Heisteria Kappleri Sagot Mss. in Herb. n. 1198.

Marowynne River: KAPPLER ed. Hohenacker 1912 (Aug.)

Upper Coppename River: BOON 1124 (Sept.)

French Cuyana.

Heisteria cauliflora Smith in Rees. Cycl. n. 2.; D. C. Prodr. I. 533.

Gonini River: VERSTEEG 51 (fl. Aug.)

Para district. near plant. Berlyn: SPLITGERBER 740 H. L. B. 905, 185--22
and 23 (fl. March); de Vriese Ned. Kruidk. Archief I. 247.

Lower Saramacca River, near Maripaston: PULLE 24 (fl. Nov.)

Upper Saramacca River, near Janbasigado: PULLE 405 (fl. Jan.)

Upper Coppename River: BOON 1212 (fl. Sept.)

Upper Nickerie River: TULLEKEN 380 H. L. B. 903, 322--1615 and
1229; TULLEKEN 444 H. L. B. 903, 322--1565 (fl. Sept.)

French Guyana.

BALANOPHORACEAE.

HELOSIS L. C. Rich.

Helosis guyanensis L. C. Rich. Mem. du Mus. Hist. nat. Par. VIII. 416 t. 20.

Upper Tapanahoni River : VERSTEEG 752 and 838 (fl. Aug.).

Paramaribo, near plant. Ma Retraite : KEGEL 607 (fl. May).

Para district, near plant. Berlyn : SPLITGERBER 728 H. L. B. 898,
195—16 (fl. May).

Upper Saramacca River : PULLE 215 (fl. March).

Surinam : WULLSCHLÄGEL ex Eichler Flora Bras. IV. 2 p. 34.

Northern tropical South-America.

ARISTOLOCHIACEAE.

ARISTOLOCHIA Linn.

Aristolochia tribolata Linn. Sp. plant. ed. II. 1361.

Commewijne River, near plant. Lustrijk: SPLITGERBER 445 H. L. B. 898, 131—259 and 260 (fl. Dec.).

Tropical South-America.

Aristolochia macrota Duchartre Ann. Sc. nat. IV. ser. II. 43.

Paramaribo: FOCKE 60 H. L. B. 898, 131—250 and 251, named *Aristolochia surinamensis* Willd. (*non* Miq.) by Miquel in Linnaea XVIII p. 246,

Surinam; KAPPLER 604; HOSTMANN H. L. B. 903, 322—46.

British Guyana.

Aristolochia surinamensis Willd. Spec. pl. IV. 151.

Surinam: SPLITGERBER 192 H. L. B. 898, 131—249 and 253.

Aristolochia platyloba Garcke Linnaea XXII p. 69.

Paramaribo, near Laan van Tourtonne: KEGEL 632 (fl. Sept.).

Aristolochia paramaribensis Duchartre in D. C. Prodr. XV. 496.

Paramaribo: WULLSCHLÄGEL ex Duchartre l. c.

POLYGONACEAE.

POLYGONUM Linn.

Polygonum acuminatum H. B. K. Nov. Gen. et Spec. II 178.

Coronie: TULLEKEN 545 H. L. B. 903, 322—952 (fl. Octob.)

Surinam: HOSTMANN and KAPPLER 473: HOSTMANN H. L. B. 903,
322—238.

Tropical South-America.

Polygonum acre H. B. K. Nov. Gen. et Spec. II. 179.

Upper Litanie River: VERSTEEG 371 (fl. Nov.)

Lower Surinam River, near plant. Zwarigheid: FOCKE 542 (fl. Octob.)
named *Polygonum macrochaete* Miq. Linnæa XVIII 242.

Paramaribo: Dr. VOLTZ without number; WENT 290 (fl. Aug.); near
Beekhuizen: VERSTEEG 509 (fl. June).

Surinam: HOSTMANN H. L. B. 903, 322—275; Dr. VOLTZ without
number; HOSTMANN and KAPPLER 489.

All tropical America.

Polygonum hydropiperoides Michaux Flor. Bor. Am. I. 139.

Surinam: WULLSCHLÄGEL ex Meissner Flora Bras. V. 1 p. 17.

All tropical and subtropical America.

ANTIGONON Endl.

Antigonon leptopus Hook. et Arn.

Lower Marowyne River near Albina: VERSTEEG 21 (fl. July.)

Paramaribo: WENT 2 (fl. July); VERSTEEG 569 (fl. July.)

Coronie: TULLEKEN 559 H. L. B. 903, 322—699 (fl. Octob.)

Cultivated in gardens.

Western Mexico.

COCCOLOBA Linn.

Coccoloba polystachya Wedd. Ann. Sc. nat. 3 ser. XIII. 261.

var. β . **pubescens** Lindau in Monogr. generis Coccolobae in Englers
Botan. Jahrbücher XIII. 133.

Saramacca River, near Maripaston: KEGEL 1339 (fl. May.)
Amazon district, Rio, French Guyana.

Coccoloba latifolia Lam. Encycl. VI. 61 t. 316.

Paramaribo, near plant. Quarta: KEGEL 277 (fl. June); near Oude Rijkweg: KEGEL 475 (fl. Aug.); near Kwattaweg: WENT 303 (fl. Aug.)
Surinam: HOSTMANN 682; SPLITGERBER 526 H. L. B. 905, 185—27 (fl. Jan.); Dr. VOLTZ without number; WULLSCHLÄGEL 450 and 1071 ex Lindau l. c. 134.

Vernacular name: „Bradiliefie” (Broad leaf).

Northern Brazil, Guyana, West-Indian Islands.

Coccoloba excelsa Benth. in Hook. Journ. of Botany IV. 624.

Gonini River: VERSTEEG 147 and 174 (fl. Aug.)

Tapanahoni River: VERSTEEG 727 (fl. Aug.)

Upper Saramacca River: PULLE 458 (fl. Febr.)

Surinam: KAPPLER 1715; HOSTMANN 245; FOCKE 979; WULLSCHLÄGEL 804 and 1660 ex Lindau l. c. 171.

Guyana, Northern Brazil, St. Domingo.

Coccoloba guyanensis Meissn. Linnaea XXI. 264.

Paramaribo: KEGEL 492 (fl. Aug.); SPLITGERBER 772 H. L. B. 905, 185—24 and 26 (fl. March).

Surinam: NOLTE in Herb. Götting.; HOSTMANN 506; HOSTMANN and KAPPLER 113; KAPPLER 1620; WULLSCHLÄGEL 882 ex Lindau l. c. 180; HOSTMANN H. L. B. 903, 322—280.

Guyana.

Coccoloba nitida H. B. K. Nov. Gen. et Spec. II. 140.

Surinam: KAPPLER 1620.

Tropical Brazil, Britisch Guyana, Columbia, Guatemala.

Coccoloba uvifera (L.) Jacq. Hist. Am. Stirp. 112 t. 73.

Polygonum uvifera Linn. Spec. pl. Ed. I. 365.

Paramaribo: KEGEL 984 (fl. Aug.)

Saramacca River, near Monitor: WENT 246 (fl. Aug.).

Surinam: SPLITGERBER 577 H. L. B. 905, 185—28 (fl. June); FOCKE 170 H. L. B. 905, 185—30; WEIGELT H. L. B. 905, 185—29; FOCKE 1276 (fl. June); WULLSCHLÄGEL ex Lindau l. c. 206.

Vernacular name: „Druif” (Grape) or „Zeedruif” (Sea-grape).

All tropical America.

TRIPLARIS Linn.

Triplaris surinamensis Cham. Linnaea VIII. p. 138.

Upper Gonini River: VERSTEEG 229 (fl. Sept.)

Upper Tapanahoni River: VERSTEEG 745 (fl. Aug.) and 817 (fr. Aug.)

- Lower Surinam River, near Marienburg: WENT 414 (fr. Octob.)
Commewyne district, near plant Canawappibo: SPLITGERBER 319 H. L. B.
905, 185—32 (fl. Dec.)
Coppename River: BOON 1131 (fl. Sept.) and 1236 (fr Octob.)
Surinam: HOSTMANN 1188; KAPPLER 117 H. L. B. 900, 320—439, 440
and 441; HOSTMANN and KAPPLER 1643; Dr. VOLTZ without number.
var. α **Chamissoana** Meissn. Flora Bras. V. 1 p 50.
Surinam: HOSTMANN 439; WULLSCHLÄGEL 802 ex Meissn. l. c.
var. β . **Benthamiana** Meissn. l. c.
Surinam: WEIGELT H. L. B. 905, 185—34, named *Blochmannia Weigel-*
tiana Reichb.;
Paramaribo: KEGEL 952 (fl. July) named *Triplaris surinamensis* Cham.
var. crassifolia C. A. Meyer.
Very common tree in swamps.
Vernacular name. »Mira-hoedoe" or »Mierenhout".
Guyana, Northern Brazil.
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CHENOPODIACEAE.

CHENOPODIUM Linn.

Chenopodium ambrosioides Linn. Spec pl. 320.

Paramaribo : Focke 1395 (fl Sept.).

Vernacular name : "Tiengie-menti".

Cosmopolitan.

AMARANTACEAE.

CHAMISOA H. B. K.

Chamissoa altissima (Jacq.) H. B. K. Nov. Gen. et Spec. II. 197.

Nickerie: TULLEKEN 584 H. L. B. 903, 322—991 (fl. Nov.).
Tropical Brazil.

Chamissoa acuminata Mart. Beitr. Amarant. p. 78 n. 3.

Surinam: HOSTMANN Herb. Rheno-Traj. without number.
Tropical Brazil.

AMARANTUS Linn.

Amarantus Blitum Linn. Spec. plant. 1405.

Paramaribo: SPLITGERBER 259 H. L. B. 897, 295—264 (fl. Dec.);

TULLEKEN 126 H. L. B. 903, 322—1480 (fl. Aug.); WENT 299 (fl. Aug.).

Lower Saramacca River, near plant. Domburg: TULLEKEN 179 H. L. B. 903, 322—1411 (fl. Aug.).

Saramacca River, near Maripaston; PULLE 3 (fl. Nov.).

Nickerie: TULLEKEN 305 H. L. B. 903, 322—1086 (fl. Aug.).

Vernacular name: „Kraroen” or „Klaroen” (Went, Pulle), „Krassiwiri” (Tulleken), „Redi Maka Klaroen” (van Hall).

Cosmopolitan.

Amarantus spinosus Linn. Spec. pl. 1407.

Paramaribo: KEGEL 389 (fl. Aug.); SPLITGERBER 161 H. L. B. 897, 297—62 (fl. Nov.); WENT 499 (fl. Octob.).

Vernacular name: „Maka kraroen” (Went).

All tropical countries.

Amarantus melancholicus Linn. Spec. plant. 1403.

Commewyne River, near plant. Rust en Werk: SPLITGERBER 1144 H. L. B. 897, 295—263 (fl. Febr.).

All tropical and sub-tropical countries.

CYATHULA Lour.

Cyathula achyranthoides (H. B. K.) Moq. Prodr. XIII. 2 p. 326

Lawa River, near Cottica: VERSTEEG 271 (fl. Octob.)

Paramaribo, near Tourtonne: KEGEL 346 (fl. July); near Beekhuizen:

SPLITGERBER 224 H. L. B. 897, 298—220 (fl. Dec.)

Para district, near Onoribo: FOCKE 869 (fl. March).

Surinam: HOSTMANN and KAPPLER 476; HOSTMANN H. L. B. 903, 322—161.

Tropical South-America and Africa.

ACHYRANTHES Linn.

Achyranthes aspera L. Spec. plant. 295.

Paramaribo: TULLEKEN 20 H. L. B. 903, 322—1493 (fl. July).

All tropical countries.

PFAFFIA Mart.

Pfaffia paniculata (Mart.) O. Ktze Revis. Gen. pl. II. 453.

Hebanthe paniculata Mart. Nov. Gen. II. 43. t. 140.

Marowynne River: KAPPLER (ed. Hohenacker) 1911 (fl. Aug.)

Lawa River, near Cottica: VERSTEEG 284 (fl. Octob.)

Surinam: KAPPLER H. L. B. 903, 322—412.

Tropical South-America.

ALTERNANTHERA Forsk.

Alternanthera sessilis (L.) R. Br. Prodr. Fl. Nov. Holl. I. 417.

Gomphrena sessilis Linn. Spec. pl. Ed. II. 30.

Paramaribo: KEGEL 1250 (fl. Febr.)

Nickerie: TULLEKEN 302 H. L. B. 903, 322—1219 (fl. Aug.)

Surinam: WEIGELT H. L. B. 897, 298—131, named *Alternanthera ficoidea* R. Br.

Vernacular name: „Weti hede”.

Cosmopolitan.

Alternanthera ficoidea (L.) Röm. et Schult. Syst. V. p. 555.

Gomphrena ficoidea Linn. Spec. pl. ed. II. 308.

Marowynne River: KAPPLER ed. Hohenacker 1980 (fl. Aug.)

Paramaribo: SPLITGERBER 24 H. L. B. 897, 298—140 (fl. Nov.); FOCKE 166 H. L. B. 897, 298—139 (fl. Octob.)

Surinam: HOSTMANN H. L. B. 322—205.

Tropical America.

Alternanthera polygonoides (L.) R. Br. Prodr. Fl. Nov. Holl. I. 416.

Gomphrena polygonoides L. Spec. pl. Ed. I. 225.

Paramaribo; near plant. Quarta: KEGEL 180 (fl. July); near Kwatta-weg: TULLEKEN 62 H. L. B. 903, 322—1341. (fl. July).
Saramacca River, near Groningen: WENT 171 (fl. Aug.)
Tropical and sub-tropical South-America.

***Alternanthera philoxeroides* (Mart.) Griseb.**

Buchholzia philoxeroides Mart. Beitr. Amar. 107 n. 5.
Paramaribo: near Beekhuizen: KEGEL 146 (fl. July)
Surinam: HOSTMANN H. L. B. 903, 322—175.
Tropical and sub-tropical America.

GOMPHRENA Linn.

***Gomphrena globosa* Linn. Spec. pl. 326.**

Paramaribo: KEGEL 966 (fl. Aug.)
Upper Saramacca River: PULLE 454 (fl. Febr.)
All tropical countries.

IRESINE Linn.

***Iresine vermicularis* (L.) Moq. Prodr. XIII. 2 p. 340.**

Gomphrena vermicularis L. Spec. plant. ed. I. 224.
Paramaribo: SPLITGERBER 471 H. L. B. 897, 298—2 (fl. Jan.)
Near Matappica: FOCKE 268 (fl. Dec.)
Nickerie: TULLEKEN 291 H. L. B. 903, 322—1596 (fl. Aug.)
Tropical America and Africa.

***Iresine surinamensis* (Miq.) Moq. Prodr. XIII. 2 p. 329.**

Philoxerus surinamensis Miq. in Plant. Kappler. surin. ed. Hohenacker
n. 1591
Paramaribo: KAPPLER 1591.

BATIDACEAE.

BATIS Linn.

Batis maritima Linn. Spec. plant. 1451.

Vredenburger kreek: Focke 793, at the sea-coast.

Plantation Badenstein at the sea-coast: SPLITGERBER 796 H. L. B.

898, 194—27 (fl. April).

Tropical and sub-tropical America, Sandwich-Islands.

PHYTOLACCACEAE.

MICROTEA Swartz.

Microtea debilis Sw. Ind. Occ. I. p. 543.

Para district, near Onoribo: FOCKE 885 (fl. March).

Saramacca River, near Groningen: WENT 230 (fl. Aug.)

Surinam: HOSTMANN H. L. B. 902, 322—114.

Tropical South-America.

PHYTOLACCA Linn.

Phytolacca decandra Linn. Spec. plant. 631.

Marowyne River, near Poeloegoedoe: VERSTEEG 618 (fl. July).

Para River, near Onoribo: FOCKE 285 (fl. Aug.)

Saramacca River: FOCKE 285; near plant. Vier Hendrikken: WENT 223 (fl. Aug.)

Vernacular name: „Gogomago”.

All tropical and sub-tropical countries.

NYCTAGINACEAE.

BOERHAVIA Linn.

Boerhavia paniculata Rich. Act. soc. hist. nat. Paris I 105.

Lower Surinam River, near plant. Geyersvlyt: KEGEL 693 (fl. Febr.);

near plant. Zeezigt: SPLITGERBER 794 H. L. B. 905, 185—21 (fl. April).

Saramacca River: WENT 180 (fl. Aug.).

Nickerie: TULLEKEN 310 H. L. B. 903, 322—1045 (fl. Sept.); FOCKE

500 named *Boerhavia surinamensis* Miquel Linnaea XVIII p. 244.

Surinam: HOSTMANN 759; HOSTMANN H. L. B. 903, 322—210.

All tropical and sub-tropical countries.

MIRABILIS Linn.

Mirabilis Jalapa Linn. Spec. plant. 252.

Paramaribo: TULLEKEN 74 H. L. B. 903, 322—1353; WENT 21 (fl. July).

Vernacular name: "Vieruursbloem."

Mexico.

BOUGAINVILLEA Commers.

Bougainvillea spectabilis Willd. Spec. II. 348.

Paramaribo, in gardens: WENT 486 (fl. Octob.).

Tropical Brazil.

PISONIA Plum.

Pisonia minor Choisy in D. C. Prodr. XIII. 2. p. 443.

Joden Savanne: KEGEL 1157 (fl. Nov.).

Tropical Brazil.

Pisonia Riedeliana Fischer.

Paramaribo, near Oude Rijkweg: KEGEL 653 (fl. Sept.).

Brazil

Pisonia Pacurero H B K Nov. Gen. et Spec. II. p. 218.

Surinam: HOSTMANN and KAPPLER 414, 824, 947 ex Choisy Prodr.

XIII. p. 442.

Tropical Brazil.

Pisonia nigricans Swartz Prodr. p. 60

Paramaribo: SPLITGERBER 1030 (fl. Aug.) ex De Vriese Ned. Kruidk.

Archief I. p. 355.

West-Indian Islands.

AIZOACEAE.

MOLLUGO Linn.

Mollugo verticillata Linn. Hort. Ups. 24.

var. $\approx$ **vulgaris** Rohrb. Flora Bras. XIV. 2 p. 240

lusus I. **latifolia** Fenzl Annalen des Wiener Hofmuseums I 376.

Surinam: KAPPLER H. L. B. 903, 322 - 470.

lusus II. **linearis** Fenzl l. c. 377.

Marowyne River, near Galibi: WENT 418 (fl. Octob.), near Armina falls:

WENT 465 (fl. Octob.); KAPPLER 2119 (fl. Octob.)

Lawa River: VERSTEEG 272 (fl. Octob.)

Lower Surinam River: KAPPLER ed. Hohenacker 1811 (fl. April).

Matappica: FOCKE 274 (fl. Dec.)

Saramacca River, near Maripaston: KEGEL 1310 (fl. May.)

Surinam: HOSTMANN 1019: SPLITGERBER 804 H. L. B. 903, 245 - 534
(fl. April.)

All tropical and sub-tropical America.

SESUVIUM Linn

Sesuvium portulacastrum Linn. Spec. plant. 446.

Surinam, near plant. Zwarigheid: FOCKE 557; near Matappica: FOCKE
271, named *Sesuvium acutifolium* Miq.; WULLSCHLÄGEL ex Rohrb.

Flora Bras. XIV. 2. p. 310.

All tropical and sub-tropical countries

PORTULACACEAE.

TALINUM Adans.

Talinum racemosum (L.) Rohrb. Flora Bras. XIV. 2 p. 297.

Portulaca racemosa Linn. Spec. plant. 640.

Near Paramaribo: VERSTEEG 521 (fl. June).

Upper Saramacca River (cultivated by the negroes): PULLE 449 (fl. Jan.)

Vernacular name: „Surinaainsche Postelein” (Versteeg) or „Bokkolille” (Pulle).

All tropical America.

PORTULACA Linn.

Portulaca oleracea Linn. Spec. plant. 638.

Upper Tapanahoni River: VERSTEEG 922 (fl. Octob.)

Paramaribo: SPLITGERBER 276 (fl. Dec.) ex de Vriese Ned. Kruidk.

Archief I. p. 318;

Near Vredenburg-kreek: FOCKE, 704.

Surinam: FOCKE 504.

Cosmopolitan.

Portulaca pilosa Linn. Spec. plant. 639.

Upper Tapanahoni River (Mount Teeboe): VERSTEEG 771 (fl. Aug.)

Upper Coppename River: BOON 1134 (fl. Sept.)

All tropical and sub-tropical Brazil.

CARYOPHYLLACEAE.

DRYMARIA Willd.

Drymaria cordata (L.) Willd. Mss. apud Röm. Schult. Syst. V. 406.

Holosteum cordatum L. Amoen. Acad. III. 21.

Paramaribo: SPLITGERBER 214 H. L. B. 899, 43—227 (fl. Dec.)

Surinam: HOSTMANN 303, 714a; WULLSCHLÄGEL ex Rohrbach Flora
Bras. XIV. 2 p. 260.

Tropical America, Asia and Africa.

POLYCARPAEA Lam.

Polycarpaea corymbosa (L.) Lam. Illustr. 2798.

Achyranthes corymbosa Linn. Spéc. plant. 296.

Para district: SPLITGERER 1004 H. L. B. 899, 144—283 (fl. May).

Saramacca River, near Saron: KEGEL 224 (fl. May).

Surinam: HOSTMANN 598; HOSTMANN and KAPPLER ed. Hohenacker
598 named *Polycarpaea atherophora* Steud. in Flora 1843 p. 763;

WULLSCHLÄGEL ex Rohrb. Flora Bras. XIV. 2 p. 255.

All tropical countries.

NYMPHAEACEAE.

CABOMBA Aubl.

Cabomba aquatica Aubl. Plant. Guyan. I. 321 t. 124.

Lower Surinam River, near Jagtlust in stagnant water: FOCKE 215

H. L. B. 905, 205—39 (fl. Aug.); WENT 25 (fl. July).

Near Pietersburg: WULLSCHLÄGEL ex Caspary Flora Bras. IV. 2.
p. 140.

Para district: FOCKE 98 (fl. March).

Commewyne district, near plant. Canawappibo: SPLITGERBER 293

H. L. B. 905, 205—40 (fl. Dec.).

Surinam: HOSTMANN 82 ex Caspary l. c.; HOSTMANN H. L. B. 903,
322—144.

Vernacular name: »Sasara wiwirie».

Tropical and sub-tropical America.

NYMPHAEA Smith.

Nymphaea ampla D. C. Prodr. I. 115.

var. II. **speciosa** Caspary Flora Bras. IV. 2 p. 158.

Commewyne district, near plant. Canawappibo: SPLITGERBER 296

H. L. B. 905, 205—38 (fl. Dec.).

Para River, near Topibo: TULLEKEN 211 H. L. B. 903, 322—1445
(fl. Aug.).

Tropical South-America, West-Indian Islands.

Nymphaea Rudgeana G. F. W. Meyer Prim. Fl. Esseq. 198.

Para district: WULLSCHLÄGEL 1350 ex Caspary l. c. 165.

Tropical South-America.

Nymphaea amazonum Mart et Zucc. Abhandl. der Math. Phys. Klasse
der Acad. Münch. I 363

Paramaribo, near Beekhuizen: WULLSCHLÄGEL 6 ex Caspary l. c. 169;
near Poelepantje KEGEL 932 (fl. June).

Para district, near Onoribo: WULLSCHLÄGEL 1349 ex Caspary l. c.

Commewyne district, near plant. Canawappibo: SPLITGERBER 297

H. L. B. 905, 205—37 (fl. Dec.).

Surinam: HOSTMANN 565.

Tropical South-America.

ANONACEAE.

UVARIA Linn.

Uvaria guatteroides A. D. C. in Mém. de la Soc. de Phys. de Genève V. 202.

Upper Tapanahoni River, near Drie Tabbetje: VERSTEEG 687 (fl. July).
Surinam River, near Bergendal: SPLITGERBER 921 H. L. B. 898, 63—366
(fl. April).

Saramacca River, near Maripaston: KEGEL 1362 (fl. May.)

GUATTERIA Ruiz et Pav.

Guatteria chrysopetala (Steud.) Miq. Linnaea XXII. 466.

Anona chrysopetala Steud. Flora 1843. p. 754.

Surinam River: HOSTMANN and KAPPLER ad. Hohenacker 1295 (fl. Dec.)

Guatteria elongata Benth. in Hook. Lond. Journ. II. 358.

Surinam River, near Bergendal: FOCKE 934 (fl. Sept.)

British Guyana.

Guatteria Schomburgkiana Mart. Flora Bras. XIII. 1 p. 38.

Saramacca River, near Maripaston: KEGEL 1307 (fl. May.)

Surinam: HOSTMANN 1221, named *Anona Hostmanni* Steud. Flora 1843
p. 754.

British Guyana.

DUGUETIA St. Hil.

Duguetia lepidota Miq. Linnaea XIX. 129.

Surinam River: KAPPLER 1686 (fl. Octob.)

CYMBOPETALUM Benth.

Cymbopetalum brasiliense Benth. in Journ. Linn. Soc. V. 69.

Paramaribo, near Beekhuizen: KEGEL 1010 (fl. Sept.)

Para district, near Onoribo: SPLITGERBER 677 H. L. B. 898, 60—92
(fl. March), named *Unona viridiflora* Splitg. Mss. de Vriese Ned.

Kruidk. Arch. I. p. 224

Brazil.

XYLOPIA Linn.**Xylopia salicifolia Dun.** Mon. Anon. 121. t. 17.

Para River, near Post Republiek: TULLEKEN 225 H. L. B. 903,
322—1184.

Surinam River, near Bergendal: FOCKE 271; near Blauwe Berg:
SPLITGERBER without number ex de Vriese l. c. 223.

Saramacca River, near Groningen: WENT 168.

Surinam: HOSTMANN 629 and 351.

Vernacular name: „Pegrekoe.”

Brazil, Guyana.

Xylopia frutescens Aubl. Plant. Guyan. II. 602 t. 242.

Surinam River, near Blauwe Berg: SPLITGERBER 247 H. L. B. 898,
63—604 (fl. May.)

Nickerie River: TULLEKEN 412 H. L. B. 903, 322—1503.

Surinam: HOSTMANN and KAPPLER 1687; FOCKE 271.

Vernacular name: »Pegrekoe”.

Tropical Brazil, Guyana.

ANONA Linn.**Anona sphaerocarpa Splitg.** Tijdschr. Nat. Gesch. en Phys. IX. p. 96
and de Vriese Ned. Kruidk. Archief I. p. 226.

Paramaribo: SPLITGERBER 110 H. L. B. 898, 60—61 (fl. Nov.)

Vernacular name: „Bosch-zuurzak”.

Anona muricata Linn. Spec. plant. II. 1264.

Gonini River: VERSTEEG 89 (fl. Aug.)

Paramaribo, near plant. Quarta: KEGEL 949.

Commewyne district, near plant. Lustrijk: SPLITGERBER 324 H. L. B.
898, 60—53 (fl. Dec.)

Vernacular name: »Zuurzak”.

West-Indian Islands.

Anona sericea Dunal Mon. Anon. 69 t. 5.

Paramaribo: KEGEL 497 (fl. Aug); near Port Belair: SPLITGERBER 807
H. L. B. 898, 60—76 (fl. April.)

Amazon district.

Anona palustris Linn Spec. plant. II. 1267.

Paramaribo: SPLITGERBER 1032 H. L. B. 898, 60—56 (fl. May); KEGEL
819 (fl. March).

Tropical South-America

Anona squamosa Linn. Spec. plant. Ed. II. 1265.

Surinam: SPLITGERBER 323 H. L. B. 898, 60—89 (fl. Dec.)

Cultivated everywhere.

Vernacular name : 'Kancelappel'.

West-Indian Islands

Anona tenuifolia A. D. C. Mem. Soc. de Phys. de Genève V. 198.

Surinam : HOSTMANN 629m.

Guyana.

Anona peduncularis Steud. Flora 1843 p. 754.

Surinam : HOSTMANN 1116.

Anona Marcgravii Mart. Flora Bras. XIII. 1 p. 5.

Para district, near plant. la Rencontre : FOCKE 807 (fl. April).

Tropical Brazil.

Anona acutiflora Mart. Flora Bras. XIII. 1 p. 10.

Surinam : HOSTMANN and KAPPLER ed. Hohenacker 1191, named *Rollinia exsucca* D. C. by Steud. Flora 1843 p. 754, and *Anona haematantha* Miq. Linnaea XXII p. 465.

Tropical Brazil.

ROLLINIA St. Hil.

Rollinia multiflora Splitg. Tijdschr. Nat. Gesch. en Phys. IX p. 97.

and de Vriese Ned. Kruidk. Arch. I. p. 232.

Lower Surinam River, near Jagtlust : SPLITGERBER 595 (fl. Febr.);

near Poelepantje : KEGEL 89; near Paramaribo : KEGEL 397 (fl. Aug.).

Surinam River, near Station Victoria : KAPPLER ed. Hohenacker 1383 (fl. Dec.).

Surinam : NOLTE in Hb. Gött.; HOSTMANN H. L. B. 903, 322—31.

Guyana.

Rollinia laurifolia Schlechtd. Linnaea IX. p. 319.

Upper Saramacca River : PULLE 230 (fl. March).

Brazil.

Rollinia resinosa Spruce ex Benth. in Hook Kew. Journ. V. p. 9.

Paramaribo, near Wanicapad : FOCKE 642 (fl. Sept.) named *Rollinia glaucescens* Miq. Stirp. Surin. Select. 108

Surinam : HOSTMANN 967.

Guyana.

MYRISTICACEAE.

IRYANTHERA Warb.

Iryanthera Hostmanni (Benth.) Warb. Monogr. der Myrist. p. 157.

Myristica Hostmanni Benth. in Hook. Kew. Journ. of Botan. V. p. 7.

Surinam: HOSTMANN 1162 ♂ and 1181, ♂.

Columbia, French Guyana.

VIROLA Aubl.

Virola sebifera Aubl. Plant. Guyan. II. 904 t. 345.

Surinam: KEGEL 275; HOSTMANN 635, 638a. ♂.

Guyana, Northern Brazil, Peru.

Virola surinamensis (Roland.) Warburg Monogr. der Myrist. p. 208.

Myristica surinamensis Roland. in Act. lit. Hafn. 281—302.

Myristica fatua Swartz Prodr. 96.

Upper Tapanahoni River, near Intelewa: VERSTEEG 859 (fl. Sept.) ♂.

Upper Cottica River: FOCKE 685 (fl. Octob.) and FOCKE 112 H. L. B.

905, 205—32. ♂

Paramaribo, near Oude Rijkweg: KEGEL 283 (fl. Sept.) ♀.

Paramaribo, Kwatta weg: WENT 294 (fl. Aug.) ♂.

Surinam River, near Cassepoera-creek: KAPPLER, ed. Hohenacker 1730 (fl. Octob.) ♂.

Para district: SPLITGERBER 564 H. L. B. 905, 205—30 and 31 (fl. May). ♀.

Lower Coppename River: WENT 148 (fl. Aug.) ♀.

Surinam: HOSTMANN H. L. B. 903, 322—33 (♂); SPLITGERBER H. L. B.

905, 205—29 and 34 (♀ and fruits); WULLSCHLÄGEL 845 and 846 (♂);

HOSTMANN 786 (♂).

Vernacular name: „Baboentrie" or „Baboen hoedoe".

Amazon district, Guyana, West-Indies.

MENISPERMACEAE.

CISSAMPELOS Linn.

Cissampelos Pareira Linn. Spec. pl. 1473.

Surinam: KEGEL 228 ex Miq. Linnaea XXII. p. 71.

All tropical countries.

Cissampelos longipes Miers Contrib. to Botan. III. p. 138.

Surinam: HOSTMANN 19 ex Miers l. c.

Guyana, West-Indies.

ABUTA Aubl.

Abuta rufescens Aubl. Pl. Guyan. I. 618 t. 250.

Lawa River: KAPPLER ed. Hohenacker 2078 (fl. Octob.).

Brazil, Guyana.

Abuta acutifolia Miers Contrib. to Botan. III. p. 91.

Surinam: FOCKE 1237.

Northern Brazil.

ANOMOSPERMUM Miers.

Anomospermum Hostmanni Miers Contrib. to Botan. III. p. 73.

Surinam: HOSTMANN and KAPPLER 1298 ex Miers l. c.

French Guyana.

Anomospermum lucidum Miers Contrib. to Botan. III. p. 72.

Gonini River: VERSTEEG 225 (fl. Sept.); Tapanahoni River: VERSTEEG

888 (fl. Sept.).

Northern Brazil, Guyana.

SCIADOTAENIA Miers.

Sciadotaenia leucophylla Miers Contrib. to Botan. III. p. 344.

Surinam: ANDERSON ex Miers l. c.

HYPERBAENA Miers.

Hyperbaena Hostmanni Miers in Ann. Nat. Hist. ser. 2 VII. p. 44.

Para district: SPLITGERBER 1010 H. L. B. 905, 205—35 (fl. Jan.).

Surinam: HOSTMANN 1050 ex Miers Contrib. to Botan. III. p. 297;

KEGEL 245, named by Miquel Linnaea XXII p. 71: *Cocculus tamoides* D. C.

French Guyana.

SOMPHOXYLON Eichl.

Somphoxylon Wulfschlägelii Eichl. Flora Bras. XIII 1 p. 206.

Paramaribo; WULFSCHLÄGEL ex Eichl. l. c.

MONIMIACEAE.

MOLLINEDIA Ruiz et Pav.

Mollinedia laurina Tul. Ann. Sc. nat. ser. 4 III. 43.

Upper Saramacca River: PULLE 224 (fl. March). ♂
French Guyana, Trinidad.

SIPARUNA Aubl.

Siparuna cuspidata (Tul.) A. D. C. Prodr. XVI. 2 p. 675.

Citriosma cuspidata Tul. Ann. Sc. nat. ser. 4. III. p. 40.

Surinam: HOSTMANN 955 and 1167.
French Guyana.

Siparuna argyrochrysea Perk. in Engl. Bot. Jahrb. XXVIII p. 702.

Saramacca River, near Jakob-Kondre: PULLE 121 (fl. Dec.)
French Guyana.

Siparuna guyanensis Aubl. Plant. Guyan. II. 865 t. 333.

Marowyne River, near Albina: WENT 445 (fl. Octob.)
Tropical South-America, Trinidad.

LAURACEAE.

CINNAMOMUM BL.

- Cinnamomum zeylanicum** Breyn. Nees. Syst. Laur. p. 45
Cultivated.
Ceylon.

PERSEA Gärtn.

- Persea gratissima** Gärtn. Fr. III. 222.
Cultivated; vernacular name: »Advocaat".
All tropical countries.

OCOTEA Aubl.

- Ocotea Rodiei** (Schomb.) Mez Laurac. Americ. 236.
Nectandra Rodiei Schomb. Reise Br. Guyan. III. p. 334
Surinam: HOSTMANN 235, KEGEL 193 ex Miq. Stirp. Surin. Select.
p. 197. t. 58.
Guyana.
- Ocotea guyanensis** Aubl. Plant. Guyan. II. 781. t. 310.
Surinam: HOSTMANN 1111; KEGEL 233; SPLITGERBER; DUMORTIER.
Vernacular name: »Basuba-pisie" (Dumortier).
Guyana, Amazon district, Bolivia, Columbia.
- Ocotea fallax** (Miq.) Mez Laurac. americ. p. 310.
Oreodaphne fallax Miq. Stirp. Surin. Select. p. 203.
Marowynne River: KAPPLER ed. Hohenacker 2028 H. L. B. 903,
322—500 (fl. Febr.).
Para district: KAPPLER ed. Hohenacker 1433 (fl. Febr.—April), named
Nectandra Neesiana Miq. Linnaea XVIII. p. 745.
- Ocotea floribunda** (Sw.) Mez Laurac. americ. p. 325.
Para district: WULLSCHLÄGEL 1549 ex Mez. l. c.
Tropical South-America.

Ocotea Schomburgkiana (Nees) Mez Laurac. americ. p. 337.*Oreodaphne Schomburgkiana* Nees Linnaea XXI. p. 268.

Para district, near Onoribo: FOCKE 882 (fl. Octob.).

Saramacca River, near Maripaston: KEGEL 1302, 1312.

British Guyana.

Ocotea puberula Nees Syst. Laur. 472.

Surinam ex Mez. l. c. 344.

All tropical South-America.

var. **truncata** Mez l. c. 344.

Surinam: SPLITGERBER 813 ex Mez.

French Guyana, Mexico.

Ocotea Martiniana (Nees) Mez Laurac. americ. p. 345.

Para district: near plant. la Rencontre: FOCKE 783 (fl. April).

Surinam: HOSTMANN 517, 1286 named *Oreodaphne Hostmanniana* Miq.

Stirp. Surin. Select. p. 202.

French Guyana.

Ocotea canaliculata (Rich.) Mez Laurac. americ. p. 361.*Laurus canaliculata* Rich. Act. Soc. Hist. nat. Par. 1792 p. 108.

Para district, without collector's name in Hb. Vahl. ex Mez. l. c. 361.

French Guyana, Trinidad.

Ocotea marowynensis (Miq.) Mez Laurac. americ. p. 380.*Oreodaphne marowynensis* Miq. Stirp. Surin. Select. p. 201.

Marowynne River: KAPPLER ed. Hohenack. 629 p. p. (fl. Aug.), named:

Nectandra revoluta Miq.Surinam: HOSTMANN 964 named *Oreodaphne caudata* Nees Linnaea

XXI. p. 519; HOSTMANN and KAPPLER 174; SPLITGERBER 1037 ex

Mez. l. c. 381; KAPPLER H. L. B. 903, 322—372.

NECTANDRA Roland.**Nectandra globosa** (Aubl.) Mez Laurac. americ. p. 415.*Laurus globosa* Aubl. Guyan. I. 364.

Tapanahoni River: VERSTEEG 679 (fl. July).

Surinam River, near Bergendal: FOCKE 1305 (fl. May.), named by Miquel

Nectandra Pisi Miq. Stirp. Surin. Select. p. 199.

Upper Nickerie River: TULLEKEN 435 H. L. B. 903, 322—1558;

TULLEKEN 492 H. L. B. 903, 322—1026 and 1241. (fl. Sept.).

Surinam: Dr. VOLTZ; KEGEL 193, SPLITGERBER 542, 999; WULLSCHLÄGEL

455, 1548, 1550; KAPPLER 1827 named by Miquel *Nectandra pallida*

Nees Linnaea XXI. p. 510, Miquel Stirp. Surin. Select. 198; HOSTMANN

and KAPPLER 207, and 235 ex Mez. l. c. 416.

Vernacular name: »Pisie". (Focke).

All tropical South-America.

Nectandra guyanensis Meissn. in D. C. Prodr. XV. 1 p. 160.

Surinam: FOCKE; HOSTMANN 973 named *Nectandra salicifolia* var. *Nees*
 Linnaea XXI. p. 506; SPLITGERBER H. L. B. 905, 205—21 and 22;
 HOSTMANN and KAPPLER 973; KEGEL 258, 631 ex Mez. l. c. 433;
 SPLITGERBER 1000, WULLSCHLÄGEL 543.
 British Guyana.

Nectandra Pichurim (H. B. K.) Mez Laurac. americ. p. 449.

Ocotea Pichurim H. B. K. Nov. Gen. II. 266.

Surinam: HOSTMANN 790 named by Miquel Stirp. Surin. Select. p. 200
 t. 59, *Nectandra cuspidata* Nees.

Surinam River, near Bergendal, FOCKE 1306 (fl. May)

Vernacular name: "Pisi" (Focke).

All tropical America.

Nectandra surinamensis Mez Laurac. americ. p. 454.

Siparawini River: KAPPLER ed. Hohenacker 2076 (fl. Sept.) H. L. B.
 903, 322—525.

Guyana.

AIQUEA Aubl.

Aiquea densiflora Nees Linnaea XXI. p. 268 and 513.

Surinam River, near Joden Savanne: KEGEL 1185.

Surinam: HOSTMANN 1042, HOSTMANN and KAPPLER 263 Mez. Laurac.
 americ. p. 36.

British Guyana, Trinidad.

Aiquea guyanensis Aubl. Guyan. l. 310 t. 120.

Surinam: HOSTMANN 263.

French Guyana, Venezuela.

ANIBA Aubl.

Aniba Kappleri Mez Laurac. americ. p. 52.

Marowynne River: KAPPLER ed. Hohenacker 1982 (fl. Aug.)

Aniba canelilla (Willd.) Mez Laurac. americ. p. 53.

Laurus canelilla Willd. Herb. 7784.

Surinam: WULLSCHLÄGEL 1679 ex Mez. l. c. 54.

Aniba Hostmanniana (Nees) Mez Laurac. americ. p. 68.

Aydedron Hostmannianum Nees Linnaea XXI. p. 499.

Upper Gonini River: VERSTEEG 246 (fl. Sept.)

Surinam: HOSTMANN 1117; HOSTMANN and KAPPLER 1031 ex Mez. l. c.

LAURUS Linn.

Laurus nobilis Linn. Spec. plant. 369.

Surinam ex Miq. Linnæa XVIII. p. 246.
Cultivated.

ENDLICHERIA Nees.

Endlicheria multiflora (Miq.) Mez Laur. americ. p. 130.

Göppertia multiflora Miq. Stirp. Surin. Select. p. 203.

Surinam: HOSTMANN 1163.

British Guyana.

HERNANDIACEAE.

HERNANDIA Linn.

Hernandia guyanensis Aubl. Pl. Guyan. II. 848 t. 329.

Saramacca River, near plant. Hamburg: SPLITGERBER 850 H. L. B.
905, 205—26.

Amazon district, French Guyana.

PAP A V E R A C E A E.

ARGEMONE Linn.

Argemone mexicana Linn. Spec. pl. 727.

Surinam : HOSTMANN 525

Tropical America.

CRUCIFERAE.

NASTURTIIUM R. Br.

Nasturtium palustre D. C. Syst. II. 191.

Surinam: WULLSCHLÄGEL ex Eichler Flora Bras. XIII. 1. p. 299.
Cosmopolitan.

LEPIDIUM Linn.

Lepidium micropterum Miq. Stirp. Surin. Select. p. 106 t. 32.

Paramaribo: Focke 900 (fl. April).

CAPPARIDACEAE.

CLEOME Linn.

Cleome spinosa Linn. Spec. 939.

Surinam: without collector's name H. L. B. 899, 54—128.

All tropical America.

Cleome latifolia Vahl. ined. ex D. C. Prodr. l. 239.

Surinam: HOSTMANN 118, named *Cleome Hostmanni* Mig. Linnaea

XXII. p. 470; HOSTMANN H. L. B. 903, 322—79.

Amazon district, Guyana.

Cleome Houstoni R. Br. in Ait. Hort. Kew. II. (ed. 4) 131.

Surinam: DUMORTIER in Hb. Rheno-Traject.

West-Indian Islands.

Cleome psoraleaefolia D. C. Prodr. I. p. 239.

Litanie River: VERSTEEG 435 (fl. Dec.)

Paramaribo: WENT 321 (fl. Aug.)

Upper Saramacca River: PULLE 144 (fl. Jan.)

All tropical South-America.

Cleome aculeata Linn. Syst. Nat. III. 232.

Paramaribo: SPLITGERBER 271 H. L. B. 899, 54—12 and 14 (fl. Dec.);

TULLEKEN 51 H. L. B. 903, 322—1300.

Surinam: FOCKE 555, named *Cleome surinamensis* Mig. Linnaea

XVIII. p. 239.

Tropical South-America.

PEDICELLARIA Schrank.

Pedicellaria pentaphylla (L.) Schrank. in Röm. et Usteri, Mag. Bot.
III St. VIII. 10.

Cleome pentaphylla Linn. Spec. 938.

Paramaribo: FOCKE 754 (fl. Dec.)

Upper Surinam River: FOCKE 232 (fl. Sept.)

Vernacular name: "Akaja" (Focke).

Tropical Asia, Africa and America.

CRATAEVA Linn.**Crataeva Tapia Linn.** Spec. plant. 637.

Commewyne River, near Plant. Marienburg: WENT 273 (fl. Aug.)

Surinam: HOSTMANN in Hb. Rheno-Traject.

Tropical America.

Crataeva gynandra Linn. Spec. plant. 636.

Cottica district, near plant. Kortevreugd: FOCKE 565 (fl. Sept.) named
by Miquel Linnaea XVIII p. 565 *Crataeva acuminata* D. C.

Crataeva radiatiflora D. C. Prodr. I. p. 243.

Surinam: HOSTMANN 961 ex Eichl. Flora Bras. XIII. 1 p. 265.

Guyana, Columbia.

MORINGACEAE.

MORINGA Juss.

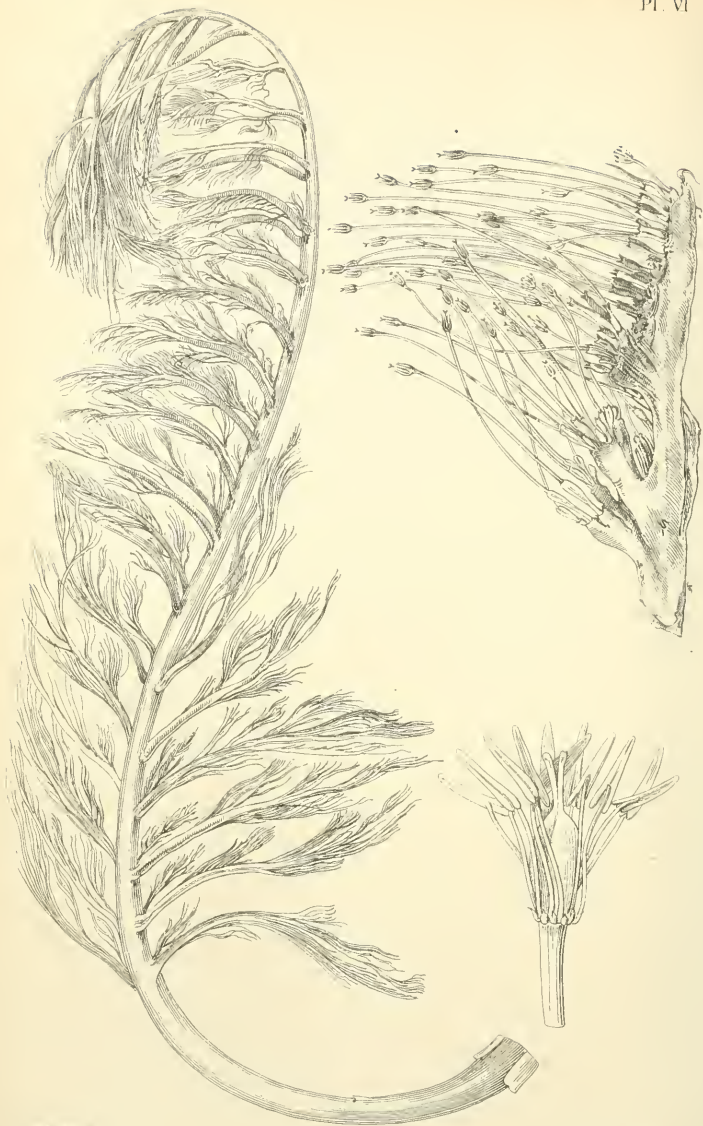
Moringa oleifera Lam. Enc. I. 398.

Paramaribo : SPLITGERBER 578 H. L. B. 905, 205—12 (fl. Febr.) ; FOCKE

854 (fl. Nov.) named : *Moringa pterygosperma* Gärtn.

Vernacular name : »Peperwortelboom" (Focke)

Cultivated in all tropical countries.



Lach firma PWM

Lach firma PWM

Cerene guyanensis Pulle.



H. T. FURSTEE.

OENONE GUYANENSIS PULLE.
Grandfoetoe falls, Tapanahoni River.

PODOSTEMACEAE.

OENONE Tul.

Oenone guyanensis Pulle nova spec.

Caules crassiusculi, repetito-dichotomi, ramis ultimis latis, planiusculis. Folia, rachi valida e basi crassiore sensim attenuata instructa, in lacinias longas filiformes vel fere capillaceas pinnatim divisa, evaginata. Stipulae latae, obtusae, ad rachidem connatae. Flores longe pedicellati, androeceo completo. Stamina 10—13 cum squamulis perigonalibus acutis 10—13 indistincte alternantia. Involucrum breve, irregulariter 5-dentatum. Ovarium ellipsoideum, laevum, stigmatibus basi connatis, teretibus, apice obtusis. Fructus maturus igotus.

Species permagna, caulis ad. 2 cM. crassus, laevis. Folia usque ad 70 cM. longa, pars basalis haud ramosa 9 cM. longa, ad basin 13 mM. crassa. „Foliola“ opposita vel alternantia utrinque 15, 8 cM. longa; foliolum rachidem terminans 15 cM. longum. Involucrum 5—15 mM. longum, Pedicelli 1—9 cM. longi. Squamulae perigonales vix $\frac{1}{4}$ mM. longae. Stamina 4 m. longa, ovarium 3 mM. longum; stigmata $\frac{1}{3}$ circiter partem ovarii metientia, persistentia.

Species *Oenone Glaziovii* Warm. affinis.

Pl. VI and VII.

Upper Tapanahoni River (Grandafœtoe-falls): VERSTEEG 808 (fl. Aug.)
Vernacular name: „Thoeri“.

Oenone longifolia Tul. Ann. Scienc. nat. ser. III. 11 p. 96.

Marowayne River: KAPPLER ed. Hohenacker 2072; Arminafalls: WENT 457 (fl. Sept.-Octob.)

Upper Tapanahoni River (Grandafœtoe-falls): VERSTEEG 809 (fl. Aug.)
British Guyana.

Oenone Richardiana (Tul.) Warm. Natürl. Pflanzenfam. III. 2a. p. 18.

Ligea Richardiana Tul. Ann. Scienc. nat. Ser. III. 11 p. 96; Monogr.

Podost. p. 89 T. VI.

Upper Tapanahoni River: VERSTEEG (fl. Aug.)
Guyana.

APINAGIA Tul.**Apinagia secundiflora (Tul.) Pulle**

Ligea secundiflora Tul. Ann. Scienc. nat. ser. III. 11 p. 97.

Surinam: HOSTMANN 1323.

LOPHOGYNE Tul.**Lophogyne capillacea Pulle nova spec.**

Fronde crassi majuculi. Folia lata profundissime pinnatim incisa, laciniis minutis, capillaceis. Flores fasciculati, longe pedicellati, e fundo foveolae obliquae frondis assurgentes. Involucrum ore bi-trilobo, lobis dentatis. Androeceum incompletum, staminibus 4, cum squamulis perigonialibus lanceolatis acutis 5 alternantibus. Antherae longae, non contortae. Ovarium ellipsoideum, nervis 6 valde prominentibus. Stigmata oblonga, obtusa, integra, libera. Capsula ovario conformis.

Frons 1 cM. crassus. Folia 11 cM longa, 9 cM. lata. Flores 16—20 in fasciculos. Pedicelli 5 cM. longi. involucrum $\frac{1}{2}$ circiter partem pedicellorum metiens. Ovarium 4 mM. longum. Stigmata 1 mM. longa, $\frac{3}{4}$ mM. lata. Stamina 3 mM. antherae 1,5—2 mM. longae. Squamulae perigoniales vix 1 mM. longae.

Pl. VIII.

Upper Tapanahoni River (Kortoefoetoe-falls): VERSTEEG 814 (fl. Aug.).

MOURERA Aubl.**Mourera fluviatilis Aubl.** Plant. Guyan. l. 582 t. 233.

Marowyne River (Arminafalls): WENT 462 (fr. Octob.).

Lawa River: VERSTEEG 46 (fl. Aug.).

Gonini River: VERSTEEG 150 (fl. Aug.).

Marowyne River, near Poeloegeoedoc: VERSTEEG 610 (fl. July).

Tapanahoni River: VERSTEEG 749 (fl. Aug.).

Upper Coppename River: BOON 1030, 1079, 1141 (fl. Aug.—Sept.); 1240 (fl. Octob.).

Nickerie River: TULLEKEN 438 H. L. B. 903, 322—1570 (fl. Sept.).

Surinam: HOSTMANN 1248.

Vernacular name: »Koemaroe Njamnjam».

Guyana.

Pl. IX.



Lepidogynis capillacea Pulle.



PHOTO VI ESTERRE

MOURERA FLUVIATILIS AUBL.

Mabore rapids, Tapanahoni River.

CRASSULACEAE.

BRYOPHYLLUM Salisb.

Bryophyllum calycinum Salisb. Parad. t. 3.

Paramaribo: WENT 564 (fl, Dec.).

Surinam: HOSTMANN 570; HOSTMANN H. L. B. 903, 322—255.

Vernacular name: „Wonderblad.”

All tropical countries.

ROSACEAE.

CHRYSOBALANUS Linn.

Chrysobalanus Icaco Linn. Spec. 513.

Surinam: WEIGELT H. L. B. 905, 205—17.

var. β **pellocarpa** (G. W. F. Meyer) Hook. Flora Bras. XIV. 2 p. 7.

Chrysobalanus pellocarpus Mey. Prim. Fl. Esseq. 193.

Marowyne River: KAPPLER ed Hohenacker 1913 (fl. Aug.).

Paramaribo: SPLITGERBER 210 H. L. B. 905, 205—15 (fl. Dec.); KEGEL 470 (fl. Aug.).

Para district, near plant. Onverwacht: FOCKE 974 (fl. Sept.).

Surinam: HOSTMANN H. L. B. 903, 322—338.

Tropical South-America, Western Africa.

LICANIA Aubl.

Licania macrophylla Bth. in Hook. Kew. Journ. of Bot. II. 240.

Marowyne River: WULLSCHÄGEL.

Northern Brazil, French Guyana.

Licania Hostmanni Fritsch in Ann. Wien. Hofmus. IV. p. 42.

Surinam: HOSTMANN and KAPPLER 1250.

Licania heteromorpha Bth. in Hook. Journ. of Bot. II. p. 221.

Upper Nickerie River: TULLEKEN 483 H. L. B. 903, 322—1239 (fl. Sept.).

Surinam: HOSTMANN 1038 and 1184.

Northern Brazil, Guyana.

Licania leptostachya Bth. in Hook. Journ. of Bot. II. 220.

var. **axilliflora** Sagot. Ann. Scienc. nat. ser. 4. T. XV. p. 305.

Surinam: HOSTMANN and KAPPLER 787.

Guyana.

Licania incana Aubl. Plant. Guyan. I. 119. tab. 45.

Upper Nickerie River: TULLEKEN 519 H. L. B. 903, 322—1002 (fl. Sept.).

Guyana, South-Eastern Brazil.

Licania crassifolia Bth. in Hook. Journ. of Bot. II. 221.

Paradistrict: KAPPLER ed. Hohenacker 794 (fl. May) and 1712.

Surinam River, near Joden Savanne: FOCKE 1281 (fl. May); SPLITGERBER

873 H. L. B. 905, 205—2, 3 and 6. (fl. May); KEGEL 1154 (fl. Nov.)

Saramacca River, near Maripaston: KEGEL 271 fl. May.)

Northern Brazil, British Guyana.

Licania coriacea Bth. in Hook. Journ. of Bot. II. 221.

Marowynne River: KAPPLER ed. Hohenacker 1968.

Guyana.

Licania micrantha Miq. Stirp Surin. Select. p. 29.

Surinam: HOSTMANN 1257.

Amazon district.

Licania apetala (E. Mey.) Fritsch. Ann. Wien. Hofmus. IV. p. 54.

Hirtella apetala E. Meyer. Nova Acta Acad. Leopold. Carol. XII. 803

Marowynne River: KAPPLER 2117 (fl. Dec.) named *Licania floribunda Bth.*

Lawa River: VERSTEEG 422 (fl. Dec.).

Upper Litanie River: VERSTEEG 389 (fl. Dec.)

Lower Commewyne district, near plant. Maasstroom: FOCKE 1368
(fl. Octob.)

Surinam: HOSTMANN 363; HOSTMANN coll. 1824 without number in

Hb. Götting; KAPPLER H. L. B. 903, 322—489.

Northern Brazil, British Guyana.

Licania Turiuva Cham. et Schlechtd. Linnaea II. 550.

Surinam: HOSTMANN without number in Hb. Rheno-Traj.

Northern Brazil, British Guyana, Venezuela.

HIRTELLA Linn.

Hirtella hirsuta Lam. Illustr. II. 114.

Gonini River: VERSTEEG 101 (fl. Aug.)

Paramaribo: FOCKE 643; KEGEL 456; KEGEL 303.

Surinam River, near Joden Savanne: KEGEL 250 (fl. Nov.)

Saramacca River: PULLE 168 (fl. Jan.)

Coppename River: BOON 1101 (fl. Sept.)

Upper Nickerie River. TULLEKEN 363 H. L. B. 903, 322—1106 (fl. Sept.)

Surinam: SPLITGERBER 605 H. L. B. 905, 205—12; FOCKE H. L. B. 905,
205—9; HOSTMANN 601; HOSTMANN H. L. B. 903, 322—340.

Tropical America.

Hirtella americana Aubl. Plant. Guyan. I. 247 t. 98.

Marowynne River: KAPPLER ed. Hohenacker 2140a (fl. Sept.)

Gonini River: VERSTEEG 71 (fl. Aug.)

Surinam River, near Bergendal: FOCKE 1151 and 1228 (fl. Octob.)

Saramacca River: SPLITGERBER 915 H. L. B. 905, 205—10 (fl. May.)
 Saramacca River, near Maripaston: KEGEL 1346 (fl. May.)
 Coppename River: BOON 1036 (fl. Aug.)
 Surinam: KAPPLER H. L. B. 903, 322—287; HOSTMANN 860 named *Hirtella violacea* Steud. Flora 1843 p. 761.
 All tropical South-America.

Hirtella hispidula Miq. Stirp. Surin. Select. p. 27.
 Upper Coppename River: BOON 1227 (fl. Octob.)
 Surinam: FOCKE without number.

Hirtella strigulosa Steud. in Flora 1843 p. 761.
 Surinam: HOSTMANN 851*b*.

COUEPIA Aubl.

Couepia glandulosa Miq. Stirp. Surin. Select. p. 28.
Couepia Hostmanniana Klotzsch Mss. in Hb. Berol.
 Gonini River: VERSTEEG 172 (fl. Aug.)
 Upper Tapanahoni River: VERSTEEG 751 (fl. Aug.)
 Surinam: KAPPLER H. L. B. 903, 322—460.; HOSTMANN 859; DUMORTIER without number.
 Vernacular name: "Kweebie" (Versteeg.)
 British Guyana.

Couepia cognata (Steud.) Fritsch Ann. Wien. Hofmus. IV. p. 60.
Hirtella cognata Steud. Flora 1843 p. 761.
 Surinam River, near Joden Savanne: FOCKE 455; KEGEL 1155 (fl. Nov.)
 Surinam: HOSTMANN and KAPPLER ed. Hohenacker 795; NOLTE in Herb. Götting. named *Cryptosiphon Nolteanus* Bartl. Mss.

PARINARIUM Juss.

Parinarium excelsum Sabine Trans. Hort. Soc. V. (1824). p. 451.
 Surinam: DUMORTIER without number.
 Vernacular name: "Rosenkwarie".
 Western Africa.

Parinarium campestre Aubl. Plant. Guyan. 517 t. 206.
 Marowynne River: KAPPLER ed. Hohenacker 1824 (fl. July).
 Saramacca River, near Vier Hendrikken: KEGEL 1500; near Poica-kreek: KEGEL without number (fl. Aug.)
 Vernacular name: "Buirata" (Kappler).

CONNARACEAE.

CONNARUS Linn.

Connarus Patrisii Planch. Linnaea XXIII. p. 432.

Surinam: HOSTMANN 1146.

Amazon district, Guyana.

Connarus suberosus Planch. Linnaea XXIII. p. 433.

Upper Coppename River: BOON 1109 (fl. Sept.)

Southern- and Central-Brazil.

Connarus Perrottetii Planch. Linnaea XXIII. p. 432.

Surinam: HOSTMANN 1052, named by Planchon l. c. *Connarus floribundus*
Planch.

French Guyana.

ROUREA Aubl.

Rourea surinamensis Miq. Linnaea XXVI. p. 221.

Marowyne River: KAPPLER ed. Hohenack. 1969 (fl. Sept.)

Gonini River: VERSTEEG 149 (fl. Aug.)

Commewyne River: KAPPLER without number.

Surinam: FOCKE 1240 and 1243

LEGUMINOSAE-MIMOSOIDEAE.

INGA Willd.

Inga sciadion Steud. Flora 1843 p. 758.

Sornau-kreek: KEGEL 243 (fl. Nov.)

Lower Coppename River: WENT 131 (fl. Aug.).

Surinam: HOSTMANN 170; HOSTMANN and KAPPLER 448.

French Guyana.

Inga umbellifera (Vahl.) Steud. ex D. C. Prodr. II. 432.

Mimosa umbellifera Vahl. Ecl. III. 30.

Surinam: KAPPLER H. L. B. 903, 322—457.

Northern Brazil, Guyana.

Inga lateriflora Miq. Linnaea XIX 131.

Surinam River, near Joden Savanne: KAPPLER ed. Hohenacker 1691 (fl. Octob)

Surinam: NOLTE in Hb. Götting.

Northern Brazil.

Inga heterophylla Willd. Spec. IV. 1020.

Para district near Onoribo: FOCKE 864 (fl. March).

Surinam: NOLTE in Hb. Götting.; HOSTMANN and KAPPLER ed. Hohenacker 1194 named *Inga protracta Steud.* in Flora 1843 p. 758.

Tropical South-America.

Inga sertulifera D. C. Prodr. II. 436.

Upper Tapanahoni River, near Drie Tabbetje: VERSTEEG 685 (fl. July).

Upper Nickerie River: TULLEKEN 419 H. L. B. 903, 322—1573.

Surinam: HOSTMANN 237; HOSTMANN H. L. B. 903, 322—123.

Northern Brazil, Guyana.

Inga Burgoni (Aubl.) D. C. Prodr. II. 434.

Mimosa Burgoni Aubl. Plant. Guyan. II. 941 t. 358.

Para district: SPLITGERBER 997 H. L. B. 904, 289—93 (fl. May).

Saramacca River: SPLITGERBER 830 H. L. B. 904, 289—94 (fl. April).

Surinam: HOSTMANN 77; HOSTMANN 976 in Hb. Kew.; KAPPLER ed.
Hohenacker 1690 named *Inga assimilis* Miq. Linnaea XIX. p. 130.
Guyana.

Inga stipularis D. C. Mém. Lég. 440.

Surinam River, near Beekhuizen: KEGEL 847 (fl. March).

Para district, near Berlijn: SPLITGERBER 744 H. L. B. 904, 289—96.
(fl. March.)

Surinam: HOSTMANN and KAPPLER 661.

Northern Brazil, French Guyana.

Inga strigillosa Spruce ex Benth. in Flora Bras. XV. 2 p. 477.

Paramaribo: Dr. VOLTZ without number.

Northern Brazil.

Inga nobilis Willd. Enum. Hort. Berol. 1047.

Gonini River: VERSTEEG 88 (fl. Aug.)

Saramacca River, near Maripaston: KEGEL 1367 (fl. May.)

Saramacca River: PULLE 80 (fl. Nov.)

Coppename River: BOON 1128 (fl. Sept.)

Nickerie River: TULLEKEN 401 H. L. B. 903, 322—1509 (fl. Sept.)

Surinam: HOSTMANN 903, 322—22; KAPPLER H. L. B. 903, 322—455;

HOSTMANN 817, 830, 971; KAPPLER ed. Hohenacker 1692, named
Inga sericantha Miq. Linnaea XIX p. 132; NOLTE in Herb. Gött.

Vernacular name: »Swietie Boonkie" (Sweet Bean).

Tropical South-America.

Inga acrocephala Steud. in Flora 1843 p. 759.

Surinam: HOSTMANN 1067.

Inga thiboudiana D. C. Prod. II. 434.

Para district, near Onoribo: SPLITGERBER 757 H. L. B. 904, 289—97
named *Inga acuminata* Splitg. Mss.

Surinam: HOSTMANN 807.

Tropical South-America.

Inga splendens Willd. Spec. IV. 1071.

Saramacca River, near Maripaston: KEGEL 1361 (fl. May.)

Surinam: HOSTMANN 676, 708.

Northern Brazil, British Guyana, Venezuela.

Inga setifera D. C. Prodr. II. 432.

Upper Tapanahoni River, near Mount Teeboe: VERSTEEG 750 (fl. Aug.)

Surinam: HOSTMANN 1157 named *Inga affinis* Steud. (non D. C.) in
Flora 1843 p. 758.

Northern Brazil, Guyana, Trinidad.

Inga commewynensis Miq. Stirp. Surin. Select. p. 1.

Lower Commewyne River: FOCKE 392 (fl. Sept.)

Bentham, who has not seen this species, gives this name as a synonym of *Inga vera* Willd. The original specimen in the Utrecht Herbarium shows important differences with *Inga vera*, for instance by its much longer, striate and quite glabrous calyx.

Inga insignis Kunth Mim. 43 t. 13.

Upper Coppename River: BOON 1042 and 1049 (fl. Aug.)

Northern Brazil, Ecuador.

Inga Meissneriana Miq. Stirp. Surin. Select. p. 2.

Surinam River: FOCKE 1143.

French Guyana

Inga scabriuscula Benth. in Hook. Lond. Journ. of Bot. IV. 606.

Paramaribo, near Tourtonne: KEGEL 1206 (fl. Aug.) named *Inga Benthamiana* Meissn. Linnaea XXI p. 253.

Surinam: HOSTMANN 858 and 887.

Northern Brazil, Guyana, Columbia.

Inga ingoides Willd. Spec. IV. p. 1012.

Gonini River: VERSTEEG 61 (fl. Aug.)

Paramaribo: KEGEL 290 (fl. Aug.); FOCKE 392 (fl. Sept.)

Commewyne River: FOCKE 849.

Nickerie River: TULLEKEN 536 H. L. B. 903, 322—945 (fl. Octob.)

Surinam: HOSTMANN 78, 685, 887; HOSTMANN H. L. B. 903, 322—220;

SPLITGERBER 337 H. L. B. 904, 289—91 and 92 named *Inga Merianae*

Splitg. Tijdschr. Nat. Geschied. IX p. 113.

Vernacular name: »Swietie Boonkie».

Guyana, West-Indies, Columbia.

PITHECOLOBIUM Mart.**Pithecolobium dulce** Bth. in Hook. Lond. Journ. III. 199.

Lower Commewyne River, plant. Marienburg: WENT 276 (fl. Aug.) and 575 (fl. Febr.)

Cultivated.

Central America, introduced into East-India.

Pithecolobium laetum (Pöpp. et Endl.) Bth. in Hook. Lond. Journ. III. 203.

Inga laeta Pöpp. et Endl. Nov. Gen. et Spec. III. 80.

Surinam: FOCKE 966 distributed by Miquel under the name of *Inga capitata* Desv.

French Guyana, Northern Brazil, Eastern Peru.

Pithecolobium trapezifolium (Vahl.) Bth. in Hook. Journ. of Botan. II. 142.

Mimosa trapezifolia Vahl. Ecl. III. 36 t. 28.

Paramaribo : FOCKE 812 (fl. Aug.); SPLITGERBER 178 H. L. B. 905, 205—69 (fl. Nov.)

Surinam River, near Beekhuizen : KEGEL 706 (fl. July).

Surinam : HOSTMANN and KAPPLER ed. Hohenacker 479, named *Mimosa atakta* Steud. in Flora 1843 p. 758; HOSTMANN 479; HOSTMANN H. L. B. 903, 322—82.

Northern Brazil, Guyana, Trinidad, Columbia.

Pithecolobium Saman (Jacq.) Bth. in Hook. Lond. Journ. III. 216.

Lower Commewyne River, plant. Marienburg : WENT 271.

Cultivated.

Tropical America.

Pithecolobium adiantifolium (H. B. K.) Bth. in Hook. Lond. Journ. III. 218.

Inga adiantifolia H. B. K. Mim. 66 t. 21.

Para district : SPLITGERBER 968 H. L. B. 905, 205—77; SPLITGERBER 761 H. L. B. 904, 289—95 named *Inga riparia* Splitg. Mss. (fl. March).

Surinam River, near Joden Savanne : KEGEL 1162 (fl. Nov.) named *Pithecolobium Miquelianum* Meissn. Linnaea XXI. p. 250.

Surinam : HOSTMANN 1277.

Northern Brazil, Guyana, Venezuela.

Pithecolobium Kegelii Meissn. Linnaea XXI. p. 249.

Surinam River, near Station Victoria : KAPPLER 1381 named *Pithecolobium stipellatum* Bernh. in Kappl. plant. surin. exsicc.

Surinam River, near Cassepocera-creek : KEGEL 1173 (fl. Nov.)

Pithecolobium multiflorum (H. B. K.) Bth. in Hook. Lond. Journ. III. 220.

Acacia multiflora H. B. K. Nov. Gen. et. Spec. VI. 277.

Lower Surinam River, near Plant. Geysersvlyt : KEGEL 1022 (fl. Sept.)

Surinam River, near Joden Savanne : SPLITGERBER 917 H. L. B. 905, 205—71 named *Acacia subdimidiata* Splitg. Tijdschr. nat. Geschied. en Phys. IX. p. 119.

Surinam : HOSTMANN 1245; HOSTMANN H. L. B. 903, 322—352.

Central America, Tropical South-America.

Pithecolobium glomeratum (D. C.) Bth. Hook. Lond. Journ. III. 213.

Inga glomerata D. C. Prodr. II. 438.

Surinam River, near Bergendal : FOCKE 1300 (fl. May.)

Saramacca River, near plant. Hamburg : SPLITGERBER 831 H. L. B. 905, 205—72 and 75 (fl. Apr.)

Surinam : SPLITGERBER 552 H. L. B. 905, 205—73 (fl. Febr.); HOSTMANN 149.

Northern Brazil, Guyana, Venezuela.

Pithecolobium latifolium (Linn.) Benth. in Hook. Lond. Journ. III. 214
and in Flora Bras. XV. 2 p. 449 t. 119.

Mimosa latifolia Linn. Spec. pl. 1499.

Surinam ex Benth. Revision Mim. p. 595.

Northern Brazil, British Guyana, West-Indies.

Pithecolobium cauliflorum (Willd.) Mart. Herb. Fl. Bras. 116.

Inga cauliflora Willd. Spec. IV. 1021.

Surinam River: SPLITGERBER 553 H. L. B. 905, 205—76 (fl. Jan.)

Saramacca River, near Poica-kreek: KEGEL 266 (fl. May.)

Upper Coppename River: BOON 1135 (fl. Sept.)

Surinam: HOSTMANN and KAPPLER ed. Hohenacker 1173 named *Inga ramiflora* Steud. Flora 1843 p. 759; HOSTMANN 174, 261; KAPPLER

H. L. B. 903, 322—458.

Brazil, Guyana.

Pithecolobium corymbosum (Rich.) Bth. Hook. Lond. Journ. III. 221.

Mimosa corymbosa Rich. Act. Soc. Hist. Nat. Par. 1792 p. 113.

Tapanahoni River: VERSTEEG 646 and 719 (fl. July-Aug.).

Surinam: HOSTMANN and KAPPLER ed. Hohenacker 262 named *Inga trapeziformis* Steud. in Flora 1843 p. 759; HOSTMANN 214, 1190.

Northern Brazil, Guyana.

Pithecolobium parvifolium (Sw.) Bth. Hook. Lond. Journ. III. 223.

Mimosa parvifolia Sw. Fl. Ind. Occ. II. 984.

Surinam: HOSTMANN H. L. B. 903, 322—236.

Amazon district, Guyana, Columbia, West-Indies.

ALBIZZIA Durazz.

Albizzia Lebbek (L.) Bth. in Hook. Lond. Journ. III. 87.

Mimosa Lebbek Linn. Spec. plant. 1503.

Surinam: HOSTMANN 459 named *Pithecolobium Splitgerberianum* Miq.

Stirp. Surin. Select. p. 5.

Cultivated.

Tropical and temperate Asia and Africa.

CALLIANDRA Bth.

Calliandra tergemina (L.) Bth. Hook. Lond. Journ. III. 96.

Mimosa tergemina L. Spec. pl. 1499.

Gonini River: VERSTEEG 240 (fl. Sept.)

Upper Coppename River: BOON 1117 (fl. Sept.)

Upper Nickerie River: TULLEKEN 345 H. L. B. 903, 322—1052 and
TULLEKEN 369 H. L. B. 903, 322—1110 (fl. Sept.)

West-Indies, Venezuela.

Calliandra surinamensis Bth. in Hook. Lond. Journ. III. 105.

Surinam: VERSTEEG without number; HOSTMANN 171, named *Inga pubiramea* Steud. Flora 1843 p. 759; KAPPLER H. L. B. 903, 322—456. Brazil, Guyana, Columbia.

Calliandra calothyrsus Meissn. Linnaea XXI. p. 251.

Saramacca River, near Maripaston-kreek: KEGEL 1465 (fl. May.)

ACACIA Willd

Acacia Farnesiana Willd. Spec. IV. 1083.

Paramaribo: KEGEL 177 (fl. July.)

Surinam: HOSTMANN 353.

All tropical countries.

Acacia paniculata Willd. Spec. IV 1074.

Lawa River, near Cottica Mountains: VERSTEEG 282 (fl. Octob)

Upper Tapanahoni River, near Inteliwa: VERSTEEG 854 (fl. Aug.)

Vernacular name: »Leguana-tere”.

All tropical America.

LEUCAENA Bth.

Leucaena glauca (L.) Bth. Flora Bras. XV. 2 p. 392.

Mimosa glauca Linn. Spec. 1504.

Paramaribo: FOCKE 295 (April); SPLITGERBER 73 H. L. B. 904, 289—98, 99 and 100 (Nov.); KEGEL 68 (July); TULLEKEN 36 H. L. B. 903, 322—1291 (July); BOON 1003 (July).

Surinam: HOSTMANN H. L. B. 903, 322—151; HOSTMANN and KAPPLER 1356.

All tropical countries.

MIMOSA Linn.

Mimosa debilis H. B. K. in Willd. Spec. IV. p. 1029.

Surinam: HOSTMANN 1205 and 1233 named *Mimosa notata* Steud. in Flora 1843 p. 758 and *Mimosa Hostmanni* Bth. in Hook. Lond. Journ. V. 84.

Upper Surinam River, near Bergendal: FOCKE; SPLITGERBER 950 H. L. B. 905, 205—96 (fl. May.)

Northern Brazil, Columbia.

Mimosa pudica Linn. Spec. plant. 1501.

Paramaribo: Dr. VOLTZ; SPLITGERBER 186 H. L. B. 905, 205—80 and 89; TULLEKEN 114 H. L. B. 903, 322—1468; near Poelephantje: KEGEL 945.

Para River, near Post Republiek: TULLEKEN 257 H. L. B. 903, 322—1450.

Saramacca River, near plant. Vier Hendrikken: WENT 222.
 Surinam: HOSTMANN 627; HOSTMANN H. L. B. 903, 322—235.
 Vernacular name: »Sien Sien".
 Tropical America, Asia and Africa.

Mimosa polydactyla H. B. K. in Willd. Spec. IV. 1033.

Marowynne River, near Poeloegoedoe: VERSTEEG 580 (fl. July); near
 Post Belair: SPLITGERBER 1119 H. L. B. 905, 205—92 (fl. April).
 Upper Cottica River, near Post Oranjewoud: FOCKE 675 (fl. Octob.);
 FOCKE 112 H. L. B. 905, 205—91.
 Tropical Brazil, Guyana, Columbia.

Mimosa myriadena Benth. in Flora Bras. XV. 2. p. 344.

Saramacca River, near plant. Hamburg: SPLITGERBER 847 H. L. B.
 905, 205—93, named *Mimosa sarmentosa* Splitg. Mss.
 Surinam: HOSTMANN 152 named *Acacia paniculaeflora* Steud. in Flora
 1843 p. 760.
 Amazon district, Guyana.

Mimosa paniculata Bth. in Hook. Journ. of Bot. II. 131.

Surinam: KAPPLER H. L. B. 903, 322—454.
 British Guyana.

Mimosa camporum Bth. in Hook. Journ. Bot. II. 130.

Surinam River, Joden Savanne: SPLITGERBER 862 H. L. B. 905,
 205—95 (fl. Apr.) named *Mimosa flavescens* Splitg. in Tijdschr.
 Nat. Gesch. en Phys. IX. p. 110.
 Surinam River, near Bergendal: FOCKE 342 (fl. Aug.).
 Surinam: HOSTMANN 813.
 Northern Brazil, British Guyana, Central Brazil.

Mimosa invisa Mart. Herb. Florae Bras. 121.

Upper Surinam River, near Blauwe Berg: SPLITGERBER 938 H. L. B.
 905, 205—94 (fl. May.).
 Tropical America.

Mimosa asperata Linn. Spec. 1507.

Lower Marowynne River, near Albina: WENT 469 (fl. Octob.); VERSTEEG
 9 (fl. July).
 Tropical America, tropical and sub-tropical Africa.

Mimosa adversa Bth. in Flora Bras. XV. 2 p. 384.

Upper Tapanahoni River, near Mount Teeboe: VERSTEEG 796 (fl. Aug.)
 Central Brazil.

DESMANTHUS Willd.

Desmanthus virgatus Willd. Spec. IV. 1047.

Paramaribo: FOCKE 1271 (fl. July.)

Tropical and sub-tropical America, tropical Asia.

NEPTUNIA Lour.

Neptunia plena (L.) Bth. Hook. Journ. Bot. IV. 355.

Lower Marowynne River, near Albina: TULLEKEN 597 H. L. B. 903, 322—1211 (fl. Nov.)

Paramaribo, near plant. Rust en Werk: SPLITGERBER 568 H. L. B. 905, 205—83; KEGEL 176 (fl. July); FOCKE 632 (fl. Sept.)

Near plant. Breukelen: FOCKE 584 (fl. Sept.)

Surinam: HOSTMANN and KAPPLER 587 named *Neptunia surinamensis* Steud. Flora 1843 p. 759.

Tropical and sub-tropical South-America, Central America.

ADENANTHERA L.

Adenantha pavonina Linn. Spec. plant. 550.

Paramaribo: FOCKE, cultivated in gardens; SPLITGERBER 562 H. L. B. 904, 289—1 (Febr.)

Tropical Asia.

PIPTADENIA Bth.

Piptadenia polystachya Miq. Linnaea XVIII 590.

Surinam River, near Bergendal: FOCKE (fl. Sept.)

Piptadenia suaveolens Miq. Linnaea XVIII 589.

Surinam River, near Bergendal: FOCKE 936 (fl. Sept.)

Vernacular name: "Koesa".

Piptadenia communis Benth. in Hook. Journ. Bot. IV. 337.

Marowynne River near Albina: VERSTEEG 573 (fl. July).

Upper Saramacca River: PULLE 479 (fl. March).

Surinam: DUMORTIER without number.

Vernacular name: "Tan pikien so" (Wait a moment).

Central Brazil.

ENTADA Adans.

Entada polystachya D. C. Mem. Leg. 434 t. 61, 62.

Paramaribo: SPLITGERBER 89 H. L. B. 904, 289—85.

Para district near plant. Ma Retraite: KEGEL 355 (fl. July).

Lower Commewynne River: FOCKE 391; near plant. Marienburg: WENT 268.

Surinam: HOSTMANN 447.

Northern and Eastern Brazil, Guyana, West-Indies.

PARKIA R. Br.

Parkia pendula Benth. in Walp. Rep. V. 577.

Upper Coppename River : BOON 1232 and 1233 (fl. and fr. Octob.)
Amazon district.

Parkia nitida Miq. Stirp. Surin. Select. 7.

Surinam River : KAPPLER 1012 ed. Hohenack. (fl. April).

Surinam : HOSTMANN 1012.

PENTHACLETHRA Bth.

Penthaclethra filamentosa Bth. Hook. Journ. Bot. II. 127.

Surinam River, near Cassepoerakroek : KEGEL 1181 (fl. Nov.)

Lower Coppename River : WENT 115 (fl. Aug.)

Surinam : HOSTMANN 1033.

Northern Brazil, British Guyana, Nicaragua, Trinidad.

LEGUMINOSAE-CAESALPINOIDEAE.

DIMORPHANDRA Schott.

Dimorphandra latifolia Tulasne Arch. du Mus. Hist. Nat. Par. IV.
p. 189.

Marowyne River : KAPPLER ed. Hohenacker 1802 (fl. Aug.)
Surinam : HOSTMANN 1007.

Dimorphandra excelsa (Schomb.) Baill. Hist. des Pl. II. 167.

Mora excelsa Schomb. the »Mora" or »Peto" is said to be indigenous
in Surinam.

I have not seen any specimen in the herbaria from Surinam.

CYNOMETRA Linn.

Cynometra Hostmanniana Tulasne Arch. du Mus. Hist. nat. Par.
IV. p. 180.

Lower Marowyne River, near Albina : VERSTEEG 552 (fl. July).

Upper Marowyne River, near Poeloegoedoe : VERSTEEG 576 (fl. July).

Surinam : KEGEL 232 ; HOSTMANN 169 named by Steudel *Crudya aro-*
matica Willd.

French Guyana.

Cynometra parvifolia Tulasne Arch. du Mus. Hist. nat. Par. IV.
p. 181.

Lower Surinam River : KAPPLER Ed. Hohenack. 1905 (fl. Aug.)

Surinam : HOSTMANN ex Tulasne l. c.

COPAIFERA Linn.

Copaifera guyanensis Desf. in Mém. Mus. Par. VII. 376.

Upper Marowyne River, near Poeloegoedoe : VERSTEEG 620 (fl. July).

Upper Saramacca River, near Janbasigado : PULLE 199 (fl. Jan.)

Surinam : KAPPLER H. L. B. 903, 322—462.

Vernacular name : »Hoeproc" or »Hoepelboom".

Amazon district, French Guyana.

CRUDIA Schreb

Crudia obliqua Griseb. Flora Br. West-Ind. Islands p. 216.

Paramaribo, near plant. Quarta: KEGEL 454 (fl. Aug.)

Paulus-kreek: FOCKE 1114 (fl. Sept.)

Surinam: HOSTMANN and KAPPLER 712 named *Hirtella glaberrima* Steud.

Flora 1843 p. 761 and *Crudya hirtelloides* Miq. in Herb.

Trinidad, Guyana.

HYMENAEA Linn.

Hymenaea Courbaril Linn. Spec. plant. 337.

I am not quite sure, whether the «Lokus» of Surinam is the *Hymenaea* Courbaril or another species of *Hymenaea*. The plant is wanting in the herbaria from Surinam.

PELTogyNE Vog.

Peltogyne paniculata Bth. in Hook. Journ. Bot. II. 96.

Paloemeu River: VERSTEEG 892 (fl. Sept.)

Surinam: KAPPLER H. L. B. 903, 322—396.

Northern Brazil.

Peltogyne confertiflora (Hayne) Bth. Flora Bras. XV. 2 p. 232.

Hymenaea confertiflora Hayne Arzneigewächse XI. t. 8.

Marowyne River: KAPPLER 2004 (fl. Octob.)

Tapanahoni River: VERSTEEG 926 (fl. Nov.)

Surinam: KAPPLER H. L. B. 903, 322—463; HOSTMANN without number.

Northern and Central Brazil.

TACHIGALIA Aubl.

Tachigalia paniculata Aubl. Plant. Guyan. 374 t. 143.

Marowyne River: KAPPLER 1931 ed. Hohenack. (fl. Aug.) named

Tachigalia polyphylla Miq. (*non Pöpp et Endl.*) and *Tachigalia angustifolia* Miq. in Stirp. Surin. Select. p. 13 t. 3; KAPPLER 2002.

Tapanahoni River, near Drie Tabbetje: VERSTEEG 654 (fl. July.)

Upper Saramacca River, near Janbasigado: PULLE 198 (fl. Jan.)

Surinam: HOSTMANN without number.

TAMARINDUS Linn.

Tamarindus indica Linn. Spec. plant. 48.

Paramaribo: KEGEL 863 (fl. Apr.); WENT 487 (fl. Octob.)

Saramacca River, near Groningen: WENT 185 (fl. Aug.)

Surinam: SPLITGERBER 81 H. L. B. 905, 502—46 (fl. Nov.—Dec.);

HOSTMANN H. L. B. 903, 322—225.

All tropical countries.

EPERUA Aubl.

Eperua falcata Aubl. Plant. Guyan. 369 t. 142.

Upper Litanie River, near Knopaiamoi; VERSTEEG 393 (fl. Dec.)

Para River, near plant. Berlijn: FOCKE 945 (fl. Sept.)

Para district: SPLITGERBER 765 H. L. B. 904, 289—87, 88.

Upper Coppename River: BOON 1199 (fl. Sept.)

Vernacular name: »Bylhout», Bierichoedoe» or »Roode Wallaba».

French Guyana.

Eperua grandiflora (Aubl.) Bent. Flora Bras. XV. 2. p. 226.

Parivoa grandiflora Aubl. Plant. Guyan. II. 757 t. 303.

Upper Coppename River: BOON 1209 (fl. Octob.)

French Guyana.

Eperua rubiginosa Miq. Stirp. Surin. Select. 12.

Upper Gonini River: VERSTEEG 157 (fl. Aug.)

Upper Tapanahoni River, near Inteliwa: VERSTEEG 855 (fl. Aug.)

Para district, near Berlijn: FOCKE 323 H. L. B. 904, 289—87; Dr.

VOLTZ without number.

Lower Coppename River: WENT 116 (fl. Aug.)

Arakuka-kreek: KEGEL 872.

Surinam: KAPPLER ed. Hohenacker 1659 (fl. Octob.); HOSTMANN 229.

British Guyana.

var. **grandiflora** Pulle nov. var.

Gonini River: VERSTEEG 48 (fl. Aug.)

Flores multo majores quam in forma typica. Sepala (in vivo) 3—3½ cM.

longa, petalum 3—3½ cM. longum, 5 cM. latum; filamenta 7 cM. longa,

antherae 1—1½ cM. longae, ovarium 2—2½ cM. longum; stylus

8 cM. longus. Cetera ut in forma typica.

MACROLOBIUM Schreb.

Macrolobium chrysostachyum (Miq.) Bth. Flora Bras. XV. 2 p. 220.

Vonapa chrysostachya Miq. Stirp. Surin. Select. 11.

Para district, near plant. Vier Kinderen, la Prosperité and Berlijn:

FOCKE 986 (fl. Sept.)

Nickerie River: TULLEKEN 410 H. L. B. 903, 322—1190 (fl. Sept.)

Northern Brazil, British Guyana.

Macrolobium guyanense (Aubl.) Pulle.

Outea guyanensis Aubl. Plant. Guyan. I. 28 t. 9.

Surinam: HOSTMANN.

French Guyana.

Macrolobium multijugum (D. C.) Benth. Flora Bras. XV. 2 p. 222.

Outea multijuga D. C. Prodr. II. 510.

Para district : SPLITGERBER 756 H. L. B. 904, 289—103 and SPLITGERBER 757 H. L. B. 904, 289—102 (fl. March).

Surinam : HOSTMANN and KAPPLER ed. Hohenacker 664 ; HOSTMANN 76, 686.

Northern Brazil, Guyana.

Macrolobium bifolium (Aubl.) Pers. Syn. Pl. I. 186.

Vouapa bifolia Aubl. Pl. Guyan. I. 25 t. 7.

Marowynne River : KAPPLER ed Hohenacker 1930 (fl. Sept.)

Surinam River : SPLITGERBER 516 H. L. B. 904, 289—105 (fl. Jan.)

Cassepoera-kreek : KEGEL 1178 (fl. Nov.)

Upper Cottica district : FOCKE 697 named *Vouapa elegans* Miq. in Ann. Sc. nat. Ser. I. T. III. p. 40 ; FOCKE 123 H. L. B. 904, 289—106 (fl. Octob.)

Lower Coppename River : WENT 124 (fl. Aug.)

Surinam : HOSTMANN 1136.

Northern Brazil, Guyana.

Macrolobium acaciaefolium Bth. in Hook. Journ. of Bot. II 94.

Gonini River : VERSTEEG 120 (fl. Aug.)

Vernacular name : »Bosch-tamarinde».

Amazon-district, British Guyana.

PALOVEA Aubl.

Palovea guyanensis Aubl. Plant. Guyan. I. 366. t. 141.

Upper Gonini River : VERSTEEG 248 (fl. Sept.)

Surinam : KAPPLER H. L. B. 903, 322—459.

Guyana.

The length of the petals is very variable in this species. Aublet figures a flower with three equally developed petals but his original specimen in the Banks herbarium, British Museum, shows flowers, in which only one petal is well developed ; two petals are much smaller and two (not noticed by Aublet) are represented only by very small rudiments of about 1 mM. The same is the case with Versteeg's specimen, mentioned above.

Palovea riparia Pulle nova spec. foliis simplicibus alternis oblongo-ellipticis, subcoriaceis, racemis subfasciculatis axillaribus terminalibusque, petalis minimis, inaequalibus, ovario glabro.

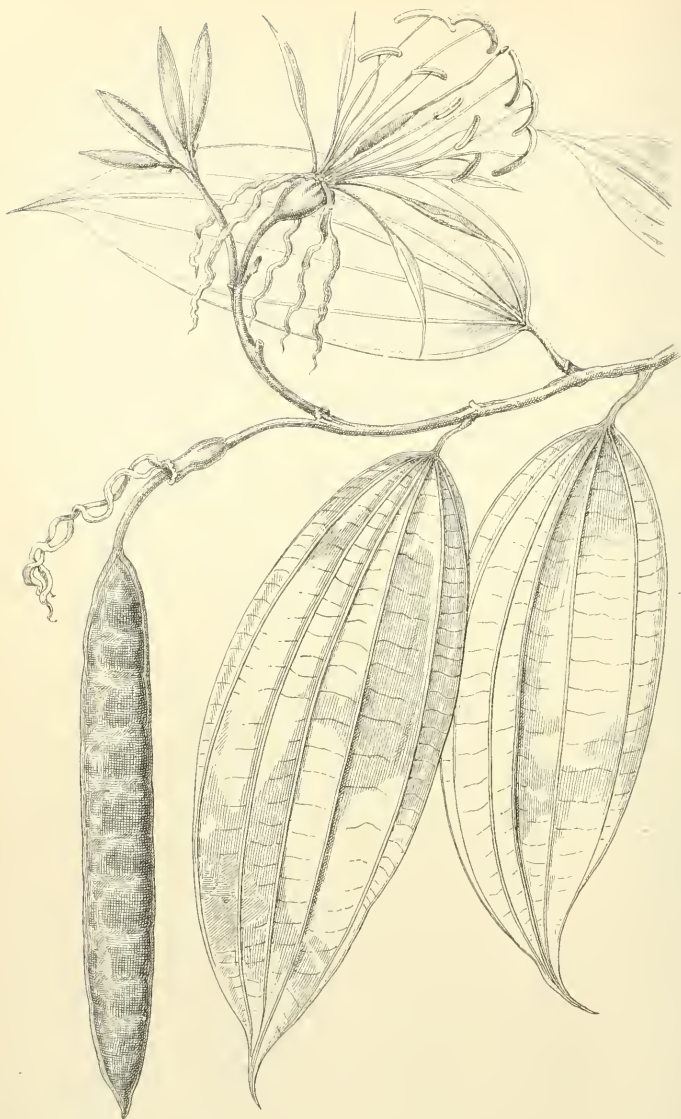
Arbuscula 7 M attingens, ramulis foliisque glabris, inflorescentia minute rufo-tomentella. Folia oblongo-elliptica, longe acuminata, supra nitidula subtus opaca, tenuiter venulosa, basi rotundata, 9—13 cM longa, 3½—5 cM. lata. Petiolus subteres 3—4 mM longus. Stipulas non vidi. Racemi ad apices ramorum fasciculati vel axillares 3—4 cM. longi, 6—8 flori. Bracteae minimae, squamaeformes. Bracteolae 2 in involucellum bilobum ad 4 mM longum connatae. Pedicelli 7—8 mM. longi. Calyx inter bracteolas stipite 7 mM longa fultus, turbinatus, stipite aequilongus. Segmenta calycis 4, subaequalia, obtusa, 9 mM longa, 5 mM. lata, extus viridia, intus rubra. Petala



S. Linschoten del.

Lith. firma PWM. Teap.

Palicourea riparia Pulle.



J. Linscooten del.

Luth. firma I. W. M. Tr. p.

Bauhinia Versteegii Pulle.

5 inaequalia; 4 minima vix 1 mM. longa, quintum majus 5 mM. longum. 2 mM latum Filamenta 9, sparse pilosa, 5-6 cM. longa, basi brevissime connata. Antherae glabrae 5 mM longae. Ovarium glabrum, stipitatum, stipite calycis tubo uno latere adnata. 6-ovulatum, 1 mM. longum. Stylus 6 cM. longus, stigmatē capitato. Legumen non vidi.

Pl. X.

Saramacca River, near Janbasigado : PULLE 154 (fl. Jan.)

Species a *Palovea guyanense* Aubl. differt forma foliorum, bracteolis petalisque minoribus, ovario glabro, antheris glabris etc.

HETEROSTEMON Desf.

Heterostemon mimosoides Desf. Mém. Mus. Paris. IV. 249 t 12.

Upper Tapanahoni River, near Inteliwa : VERSTEEG 866 (fl. Sept.)

Amazon district.

BAUHINIA Linn.

Bauhinia Versteegii Pulle nova spec. foliis integris ovatis basi rotundatis, longissime acuminatis, coriaceis, margine nerviforme cinctis, 5-nerviis, alabastris linearibus, petalis acutis.

Frutex 3 M attingens, ramis junioribus rufescenti-villosis, demum glabratiss. Folia ovata, integra, supra glabra, subtus minute rufescenti-puberula 21-10 cM. longa 7½-3 cM. lata, longissime angusteque acuminata, 5-nervia, margine prominente nerviforme cincta, nervis supra impressis, subtus prominentibus, venulis transversis parum conspiciis. Petiolus 1 cM. longus. Stipulae minutae, deciduae. Racemus terminalis 9 cM. longus, 10-florus, rufescenti-puberulus, aphyllus. Pedicelli saepius gemini ½ cM. longi. Alabastra linearia 5 cM. longa. Calycis tubus 1 cM. longus, segmenta extus rufescentia Petala augustissime linearia, acuta, calycis segmentis multo breviora. Stamina omnia antherifera. Filamenta 6-7 cM. longa, pars infima sparse puberula, ceterum glabra. Ovarium longe stipitatum, ferrugineo-tomentosum, stipite glabra. Stylus villosus, 3 cM. longus, stigmatē oblique oblongo-clavato. Legumen 15 cM. longum, 1-1½ cM. latum compressum, glabratum, stipite 2½ cM. longa.

Pl. XI

Upper Gonini River : VERSTEEG 163 (fl. and fr Aug.)

Bauhinia bicuspidata Benth. Flora Bras. XV. 2. p. 193.

Upper Tapanahoni River, near Mount Teeboe : VERSTEEG 791 (fl. and fr. Aug.)

Amazon district.

The pod of this species has not been described by Benth. It is of a darkbrown colour, soft-haired, about 12 cM. long and 2 cM. broad, and has a stalk of 5 cM. It is very flattened and has 10 seeds of a dark-brownish colour.

Bauhinia acuminata Linn. Spec. plant. 376.

Cottica district near plant Alliance : WENT 279 (fl. Aug.)

Cultivated.

East-India, China.

Bauhinia Outimouta Aubl. Plant. Guyan. l. 375 t. 144.

Para district, near Berlijn: SPLITGERBER 712 H. L. B. 904, 298—17.

Upper Nickerie River, near Fallawatra: TULLEKEN 470 H. L. B. 903, 322—1553.

Specimen without flowers or fruits.

Vernacular name: „Sekrepatoe trapoe”.

French Guyana.

Bauhinia guyanensis Aubl. Plant. Guyan. 377 t. 145.

Upper Surinam River, near Bergendal: FOCKE 387.

French Guyana.

Bauhinia Kunthiana Vog. Linnaea XIII. p. 312.

Para district, near plant. Berlijn: FOCKE 959 named *Bauhinia rosea* Miq. Stirp. Surin. Select. 9.

French Guyana.

Bauhinia coronata Benth. Flora Bras. XV. 2 p. 209.

Upper Litanie River: VERSTEEG 421 (fl. Dec.)

Surinam River: SPLITGERBER 548 H. L. B. 904, 289—15 and 16 (fl. Jan.)

Surinam: KAPPLER H. L. B. 903, 322—461.

Northern Brazil, French Guyana.

Bauhinia cumanensis H. B. K. Nov. Gen. et Spec. VI. p. 321.

Surinam: HOSTMANN.

Northern Brazil, British Guyana, Columbia.

Bauhinia Hostmanniana Miq Stirp. Surin. Select. p. 10.

Paramaribo: FOCKE 180.

Surinam: HOSTMANN and KAPPLER 811a.

Bauhinia Kappleri Sagot Ann. Scienc. Nat. 6me Ser. XIII p. 317.

Marowynne River: KAPPLER ex Sagot l. c.

The specimen of Kegel in Herb. Götting no. 1260, named by Meissner in Linnaea XXII p. 254 *Schnella brachystachya* Benth. is quite different from that species.

As Kegel's specimen has no flowers, it cannot be identified.

CASSIA Linn.

Cassia grandis Linn. f. Suppl. 230.

Paramaribo, near Poelepantje: KEGEL 722 (fl. Febr.); FOCKE H. L. B. 904, 289—35 (fl. June); FOCKE 625 (fl. June) and 797 (fl. April).

Surinam: HOSTMANN 834; DUMORTIER without number.

Tropical America,

Cassia leptophylla Vog. Syn. Cass. 13.

Upper Litanie, River near Mount Knopaiamoi : VERSTEEG 409 (fl. Dec.)
Southern Brazil.

A very rare species, only found by Sello in the St. Paulo-district.
According to Versteeg, it is a large tree of about 15 M. height
and had only very young leaves, when he saw it.

Cassia bacillaris Linn. f. Suppl. 231.

Paramaribo, near Poelepantje : KEGEL 309; and 66 (fl. July); FOCKE
628 named *Cassia Fockeana* Miq. Linnaea XVIII 479; SPLITGERBER
23 H. L. B. 904, 289—26 (fl. Nov.); TULLEKEN 28, H. L. B. 903,
322—1191, 1277, 1500 (fl. July); WENT 357 (fl. Sept.); VERSTEEG
466 (fl. June); BOON 1007 (fl. July).

Lower Saramacca River, near Groningen : WENT 176 (fl. Aug.)

Western Coronie : TULLEKEN 555, H. L. B. 903, 322—962 (fl. Octob.)
and TULLEKEN 568 H. L. B. 903, 322—975 (fl. Octob.)

Nickerie : TULLEKEN 296, H. L. B. 903, 322—1604 (fl. Aug.)

Surinam : HOSTMANN 670; HOSTMANN H. L. B. 903, 322—16.

Vernacular name : »Gadoboom" (Splitgerber).

Northern Brazil, Guyana, Central America, West-Indian Islands.

Cassia latifolia G. F. W. Meyer. Prim. Fl. Esseq. 166.

Surinam : KAPPLER 1408 : WULLSCHLÄGEL ex Benth. Revision genus
Cassia in Transactions Linnean Soc. XXVII p. 523.

Marowynne River, near Albina : VERSTEEG 563 (fl. July).

Guyana.

Cassia quinquangulata L. C. Rich, in Act. Soc. Hist. nat. Par. 108.

Paramaribo, near plant. Quarta ; KEGEL 809 (fl. Febr.)

Para district : SPLITGERBER 1111 H. L. B. 904, 289—43 (fl. March);

near Osembo : FOCKE 31 H. L. B. 904, 289—42 (fl. April); FOCKE 572.

Upper Saramacca River : PULLE 218 (fl. March.)

Lower Coppename River : WENT 125 (fl. Aug.)

Surinam : HOSTMANN 150 ex Benth. Revision Gen. Cassia.

Brazil, Guyana.

Cassia chrysocarpa Desv. Journ. Bot. III. 72.

Lawa River, near Cottica : VERSTEEG 283 (fl. Octob.)

Gonini River : VERSTEEG 213 (fl. Sept.)

Paramaribo, near Poelepantje : KEGEL 298 (fl. July); near Kwattaweg :

FOCKE 836 (fl. Sept.); near Wanicapad : FOCKE 631 (fl. Sept.) named

Cassia chrysogyne Miq. Linnaea XVIII p. 581.

Coppename River : BOON 1098 (fl. Sept.)

Surinam : Dr. VOLTZ without number; HOSTMANN 327 ex Benth.

Guyana, Northern Brazil, Cuba.

Cassia occidentalis Linn. Spec. plant. 539.

Marowayne River, near Albina: WENT 441 (fl. Octob.)

Gonini River: VERSTEEG 126 (fl. Aug.)

Paramaribo: KEGEL 326 (fl. July); SPLITGERBER 105 H. L. B. 904, 289—38; FOCKE 86 H. L. B. 904, 289—39; FOCKE 658 (fl. Sept.)

Para River, near Post Republick: TULLEKEN 219 H. L. B. 903, 322—1185.

Saramacca River: PULLE 74 (fl. Nov.)

Surinam: TULLEKEN 177 H. L. B. 903, 322—1409 (fl. Aug.); HOSTMANN 400 ex Benth.

Vernacular name: »Jorka Pesi».

Tropical America, Asia, and Africa.

Cassia hirsuta Linn. Spec. plant. 540.

Paramaribo: SPLITGERBER 18 H. L. B. 904, 289—36 (fl. Nov.); KEGEL 315 (fl. July); FOCKE, near plant. Tourtonne 627 (fl. Octob.); FOCKE 75 H. L. B. 904, 289—37.

Lower Surinam River: HOSTMANN and KAPPLER ed. Hohenacker 1923 (fl. April); HOSTMANN H. L. B. 903, 322—284.

Tropical America.

Cassia Tora Linn. Spec. Pl. 538.

Paramaribo: SPLITGERBER 559 H. L. B. 904, 289—48; FOCKE 626 (fl. Aug.); FOCKE 66 H. L. B. 904, 289—45; KEGEL 618 (fl. Sept.); WENT 14 (fl. July); WENT 498 (fl. Octob.).

Surinam: HOSTMANN 436; HOSTMANN H. L. B. 903, 322—335; FOCKE 552.

All tropical and sub-tropical countries.

Cassia multijuga L. C. Rich. in Act. Soc. Hist. nat. Par. 108.

Gonini River: VERSTEEG 211 (fl. Sept.)

Upper Tapanahoni River; VERSTEEG 887 (fl. Sept.)

Surinam River: FOCKE 335 (fl. Sept.); near Joden Savanne: FOCKE 937 (fl. Sept.)

Saramacca River, near plant. Maagdenburg: KEGEL 1169 (fl. Nov.)

Upper Coppename River: BOON 1202 (fl. Octob.)

Nickerie: TULLEKEN 495 H. L. B. 903, 322—1243 (fl. Sept.)

Surinam: HOSTMANN and KAPPLER 829, named *Cassia ampliflora* Steud. in Flora 1843 p. 760.

Tropical America.

Cassia racemosa Mill. Dict. ed. 8 n. 19.

Upper Saramacca River: PULLE 421 (fl. Jan.)

Northern Brazil, British Guyana, Columbia, Peru.

Cassia siamea Lam. Dict. I. 648.

Paramaribo: BOON 1001 (fl. July); WENT 23 (fl. July); WENT 325 (fl. Sept.)

Tropical Asia, introduced into Surinam and cultivated along the roads.

Cassia alata Linn. Spec. pl. 541.

Lower Surinam River, near plant. Jagtlust: WENT 28 (fl. July).
 Paramaribo: SPLITGERBER 139 H. L. B. 904, 289—25 (fl. Nov.)
 Cottica district, near plant. Vaderzorg: KEGEL 913 (fl. June).
 Vernacular name: »Slabriki".
 Tropical America, Asia and Africa.

Cassia reticulata Willd. Enum. Hort. Berol. 443.

Paramaribo, Kwattaweg: TULLEKEN 66 H. L. B. 903, 322—1345 (fl. July).
 Surinam River, near plant. Domburg: TULLEKEN 267 H. L. B. 903,
 322—1175 (fl. Aug.); near Joden Savanne: SPLITGERBER 964 H. L. B.
 904, 289—44 (fl. May); near Bergendal: FOCKE 379 (fl. March.)
 Saramacca River, near Jacob-Kondre: PULLE 118 (fl. Dec.)
 Vernacular name: »Slabriki".
 Tropical America.

Cassia hispidula Vahl. Ecl. III. 10.

Surinam: HOSTMANN 1174, Joden Savanne: KEGEL 1124 (fl. Nov.)
 Tropical America

Cassia viscosa H. B. K. Nov. Gen. et Spec. VI 360.

Surinam: HOSTMANN 1185 named *C. viscoso-pilosa* Steud. in Flora 1843
 p. 760.
 Central and Northern Brazil, Guyana, Columbia.

Cassia diphylla Linn. Spec. pl. 537.

Upper Surinam River, near Joden Savanne: SPLITGERBER 1150 H. L. B.
 904, 289—32 in savannahs.
 Cottica district in savannahs: FOCKE 676 (fl. Octob.)
 Surinam: FOCKE 103 H. L. B. 904, 289—33.
 Tropical America.

Cassia cultrifolia H. B. K. Nov. Gen. et Spec. VI. 363.

Para district, near Onoribo: SPLITGERBER 689 H. L. B. 904, 289—30
 (fl. March); FOCKE 866 (fl. March).
 Casawinica River: KAPPLER ed. Hohenacker 1926 (fl. June).
 Guyana, Central Brazil, Columbia.

Cassia uniflora Spreng. Neue Entdeck. I. 291.

Upper Tapanahoni River, near Mount Teeboe: VERSTEEG 775 (fl. Aug.)
 var. **parvifolia** Benth. Revision Genus Cassia in Transact. Linnean Soc.
 XXVII p. 568.
 Surinam River, near Joden Savanne: FOCKE 168 H. L. B. 903,
 322—1255 (fl. Aug.); FOCKE 454 named *Cassia savannensis* Miq.
 Linnaea XVIII p. 584.

Para district, in Savannah Berlijn: VAN HALL 51*c*; FOCKE 454; SPLITGERBER 710 H. L. B. 904, 289—49, 50 (fl. March).
 Savanne Kompas: WENT 368 (fl. Sept.)
 Saramacca River, near Saron: KEGEL 1108 (fl. Nov.)
 Surinam: Dr. VOLTZ; HOSTMANN 41, 808.
 Brazil, Guyana.

Cassia spec. near *C. malacophylla* Vogel, named *Cassia binervis* Splitgerb. Mss.

Para district, near Onoribo: SPLITGERBER 1151 H. L. B. 904, 289—29.
 As this specimen has no flowers, I cannot make out, whether it is a new species or not.

Cassia flexuosa Linn. Spec. plant 543.

Surinam River, Joden Savanne: KEGEL 1103 (fl. Nov.)
 Surinam: HOSTMANN 374 and 1062.
 Tropical and sub-tropical South-America.

Cassia glandulosa Linn. Spec. plant. 542.

Para River, near Post-Republiek: TULLEKEN 249 H. L. B. 903, 322—1442 (fl. Aug.)
 Surinam: HOSTMANN 1179, named *Cassia disadena* Steud. in Flora 1843 p. 760.
 Brazil, Guyana, Columbia, Peru.

Cassia patellaria D. C. in Collad. Hist. Cass. 125 t. 16.

Upper Tapanahoni River: VERSTEEG 732 (fl. Aug.)
 Paramaribo: FOCKE 780 (fl. April); near Laan van Tourtonne: KEGEL 493 (fl. Aug.); Kwattaweg: WENT 307 (fl. Aug.)
 Para district: SPLITGERBER 1020 H. L. B. 904, 289—41 (fl. Apr.)
 Surinam: HOSTMANN 950; HOSTMANN H. L. B. 903, 322—269.
 Brazil, Guyana, Columbia.

MARTIUSIA Bth.

Martiusia parvifolia Bth. in Hook. Journ. of Bot. II. 103.

Martia parvifolia Bth. in Flora Bras. XV. 2. p. 80. t. 28.

Para district: PLASSCHAERT 22 (fl. Aug.)
 Vernacular name: »Purperhart" (white sort.)
 Northern Brazil.

PARKINSONIA Linn.

Parkinsonia aculeata Linn. Hort. Cliffort. 147. t. 13.

Paramaribo: SPLITGERBER 1184 H. L. B. 905, 205—82 (fl. Febr.).
 Surinam: WEIGELT.
 Tropical and sub-tropical America, Asia and Africa.

HAEMATOTOXYLON Linn.**Haematoxylon campechianum Linn.**

Paramaribo, cultivated in gardens: FOCKE 857 (fl. Jan.)
West-Indies.

POINCIANA Linn.**Poinciana regia Boj. ex Botan. Mag. t. 2884.**

Paramaribo: BOON 1002 (fl. July); WENT 326 (fl. Sept.)
Cultivated along the roads.
Madagascar.

CAESALPINIA Linn.**Caesalpinia pulcherrima (L.) Swartz. Obs. 166.**

Poinciana pulcherrima Linn. Spec. pl. 544.

Paramaribo: KEGEL 385 and 386 (fl. July); WENT 485 (fl. Octob.);
BOON 1004 and 1005 (fl. July).

Para district: Dr. VOLTZ.

Western Coronie: TULLEKEN 563, 565 and 566 H. L. B. 903, 322--970,
972 and 973.

Surinam: SPLITGERBER 13 H. L. B. 904, 289--22

Cultivated everywhere, Vernacular name: »Sabinabloem" (Splitg.)

All tropical countries.

Caesalpinia Bonducella (L.) Roxb. Fl. Ind. Occ. II. 357.

Guilandina Bonducella Linn. Spec. pl. 545.

Near plant. Zeezigt at the sea-side: SPLITGERBER 798 H. L. B. 904,
289--18, 19 and 20 (fl. April.)

Vernacular name of the seeds: »Nickeri" (Splitg.)

Cultivated in all tropical and sub-tropical countries.

SWARTZIA Schreb.**Swartzia Hostmanni Benth. Flora Bras. XV. 2 p. 18.**

Gonini River: VERSTEEG 131 (fl. Aug.)

Surinam: HOSTMANN 119; KAPPLER H. L. B. 903, 322--401.

Swartzia triphylla Willd. Spec. plant. II. 1220.

Tapanahoni River: VERSTEEG 713 (fl. July).

Para district: HOSTMANN and KAPPLER ed. Hohenacker 683 named
Swartzia diphylla Steud. Flora 1843 p. 757.

Paulus-kreek: FOCKE 1410 (fl. Sept.)

Upper Surinam River, near Bergendal: SPLITGERBER 916 H. L. B.
905, 205--49 (fl. May).

Surinam: HOSTMANN 106; HOSTMANN H. L. B. 903, 322--106.

Amazon district, Guyana, Columbia.

Swartzia Benthamiana Miq. Stirp. Surin. Select. 15.

Marowynne River : KAPPLER ed. Hohenacker 1929. (fl. Aug.)

Upper Coppename River : BOON 1096 (fl. Sept.)

Amazon district, French Guyana.

Swartzia tomentosa (Willd.) D. C. Prodr. 423.

Robinia tomentosa Willd. Spec. pl. III. 1131.

Lawa River, near Cottica : VERSTEEG 275 (fl. Octob.)

Surinam River, near Joden Savanna : KEGEL 1172 (fl. Nov.) named by

Meissner in *Linnaea* XXII p. 254 *Swartzia grandifolia* Bong.

Surinam River : HOSTMANN and KAPPLER ed. Hohenacker 1267 (fl. Nov.)

named *Swartzia polyanthera* Steud. *Flora* 1843 p. 757.

Surinam : NOLTE in Hb. Götting.

French Guyana, Brazil.

LEGUMINOSAE-PAPILIONATAE.

SWEETIA Spr.

Sweetia nitens (Vog.) Bth. Journ. Linn. Soc. VIII. 262.

Leptolobium nitens Vog. Linnaea XI. 394.

Para district, near Onoribo: SPLITGERBER 763 H. L. B. 905, 205—47 (fl. March).

Surinam: HOSTMANN 1164 named *Leptolobium nitidulum* Miq. Stirp. Surin. Select. p. 18.

Vernacular name: »Watergroenhart" (Splitgerb.)

Northern Brazil, Guyana.

ORMOSIA Jacks.

Ormosia coccinea Jacks. Trans. Soc. Linn. Lond. X. 360.

Surinam: HOSTMANN 1299 named *Leptolobium costulatum* Miq. Stirp.

Surin. Select. p. 17.

Brazil, Guyana.

CROTALARIA Linn.

Crotalaria stipularia Desv. Journ. Botan. 1814 II. 76.

Tapanahoni River, near Drie Tabbetje: VERSTEEG 700 (fl. July).

Para district, near Onoribo: SPLITGERBER 633 H. L. B. 904, 289—62 (fl. March).

Commewyne River: KAPPLER without number.

Surinam River, near Joden Savanne: KEGEL 1127 (fl. Nov.); near Visscherholle (?): KEGEL 1004 (fl. Sept.)

Vernacular name: »Jacome" (Versteeg).

Tropical South-America.

Crotalaria retusa Linn. Spec. 1004.

Gonini River: VERSTEEG 113 (fl. Sept.)

Paramaribo: SPLITGERBER 25 H. L. B. 904, 289—60; KEGEL 65;

TULLEKEN 39 H. L. B. 903, 322—1293 and 1332; WENT 335.

Saramacca River, near Groningen: WENT 182; near Pakka-Pakka:

PULLE 183.

Western Coronië: TULLEKEN 551 H. L. B. 903, 322—958.

Surinam: HOSTMANN 593 named *Crotalaria Hostmanni Steud.* Flora 1843 p. 757; HOSTMANN H. L. B. 903, 322—89.

Vernacular name: »Jokoman siri" (Pulle).

All tropical countries

***Crotalaria verrucosa* Linn.** Spec. 1005.

Paramaribo: SPLITGERBER 175 H. L. B. 904, 289—65; KEGEL 67; TULLEKEN 13 H. L. B. 903, 322—1313.

Surinam: WEIGELT; HOSTMANN H. L. B. 903, 322—274; FOCKE, named *Crotalaria paramariboensis* Miq. Tayl. Ann. Nat. Hist. XI. 74.

East-Indies, introduced into Surinam.

***Crotalaria anagyroides* H. B. K.** Nov. Gen. et Spec. VI. p. 404.

Lower Marowynne River: VERSTEEG 461.

Lower Surinam River, near plant. Jagtlust: SPLITGERBER 395 H. L. B. 904, 289—59; FOCKE 482.

Surinam: HOSTMANN H. L. B. 903, 322—67.

Tropical and sub-tropical South-America.

INDIGOFERA Linn.

***Indigofera Anil* Linn.** Mant. 272.

Gonini River: VERSTEEG 125.

Tapanahoni River: VERSTEEG 669.

Paramaribo: WENT 288; TULLEKEN 9 H. L. B. 903, 322—1317 and 1331.

Upper Saramacca River: PULLE 447.

Vernacular name: »Ningo" or »Iningo".

All tropical countries.

***Indigofera tinctoria* Linn.**

Paramaribo: KEGEL 335 ex Meissner Linnaea XXI. p. 263.

East-India.

TEPHROSIA Pers.

***Tephrosia toxicaria* Pers.** Syn. II. 329.

Lawa River, near Cottica: VERSTEEG 298 (fl. Octob.)

Tapanahoni River, near Drie-Tabbetje: VERSTEEG 698 (fl. July).

Upper Surinam River: FOCKE 1303 (fl. May).

Vernacular name: »Koenami" (Focke) or »Boembi" (Versteeg) in the language of the negroes; »Asitjona" in the language of the Caribs.

The roots and the seeds are a fish-poison.

Northern and Central South-America.

***Tephrosia cinerea* Pers.** Syn. II. 329.

var. β *littoralis* Bth. Flora Bras. XV. 1. p. 48.

Surinam River, near plant. Zwarigheid : FOCKE 666 named *Tephrosia gynothrix* Miq. Linnæa XVIII 29.
All tropical South-America

SESBANIA Pers.

Sesbania exasperata H. B. K. Nov. Gen. et Spec. VI. 534.

Paramaribo, near plant. Vaderzorg : KEGEL 912 ; FOCKE 1042 named *Sesbania macrocarpa* Mühlb. by Meissn. and Miq.
Surinam : HOSTMANN 761 ; HOSTMANN 903, 322—85.
All tropical South-America.

Sesbania aegyptiaca Pers. Syn. II. 316.

Surinam : SPLITGERBER 561 H. L. B. 905, 205—62, 63 and 64 ; FOCKE 276 ; HOSTMANN and KAPPLER 670 named by Miquel : *Sesbania picta* Pers.
East-India, Africa.

Sesbania grandiflora Pers.

Surinam : SPLITGERBER 348 H. L. B. 905, 205—61 (fl. Dec.)
Cultivated.

CHAETOCALYX D. C.

Chaetocalyx brasiliensis (Vog.) Bth. Flora Bras. XV. 1. p. 75.

Rhadinocarpus brasiliensis Vog. Linnæa XII p. 110.

Surinam ex Bth. 1. c.
Amazon district.

AESCHYNOMENE Linn.

Aeschynomene sensitiva Sw. Flora Ind. Occ. III. 1256.

Lower Marowyné River, near Albina : VERSTEEG 5.

Upper Gonini River : VERSTEEG 175.

Paramaribo : SPLITGERBER 50 and 177 H. L. B. 904, 289—7 ; FOCKE 633 and 536 ; near Poelephantje : KEGEL 184.

Commewyne River, near plant. Monnikendam : SPLITGERBER 800 H. L. B. 904, 289—8.

Saramacca River, near Groningen : WENT 235.

Surinam : FOCKE 176 ; HOSTMANN H. L. B. 903, 322—62.

Vernacular name : »Watra sjen-sjen". (Versteeg).

Tropical America, Africa and Madagascar.

Aeschynomene fluminensis Vell. Flora Flumin. VII t. 19.

Paramaribo : SPLITGERBER 771 H. L. B. 904, 289—6, named *Aeschynomene scoparia* Splitg. Mss. ; near Oude Rijkweg : KEGEL 635 (fl. Sept.)

Surinam: HOSTMANN 741; HOSTMANN H. L. B. 903, 322—164.
Southern and Central-Brazil.

Aeschynomene paniculata Willd. Herb. ex. Vog. Linnaea XII. 95.

Para district: SPLITGERBER 1007 H. L. B. 904, 289—4; Savanne
Kompas: WENT 392; Plant. Berlyn: FOCKE 966, named *Aeschynomene*
gracillima Miq. Mss. and *Aeschynomene gracilis* Miq. (non Vog.)
Linnaea XVIII 506.

Surinam: HOSTMANN ed. Hohenacker 820a.

Central- and South-America.

Aeschynomene brasiliana (Poir) D. C. Prodr. II. 322.

Hedysarum brasilianum Poir. Dict. VI. 448.

Upper Tapanahoni River: VERSTEEG 661.

Surinam River, near Blauwe Berg: FOCKE 670.

Para district, near Onoribo: SPLITGERBER 612 H. L. B. 904, 289—2.

Orellana kreek: FOCKE 98 H. L. B. 904, 289—3.

Tropical South-America; Central-America.

Aeschynomene hystrix Poir. Dict. Suppl. IV. 77.

Surinam River, near Blauwe Berg: FOCKE 1006.

Saramacca River, near Saron: KEGEL 1281.

Surinam: HOSTMANN 1074.

Tropical South-America, Central America.

STYLOSANTHES Sw.

Stylosanthes viscosa Sw. Flora Ind. Occ. 1283.

Paramaribo: FOCKE 673 (fl. Octob.); FOCKE 100 H. L. B. 905, 205—52.

Para district, near Onoribo: SPLITGERBER 611 H. L. B. 905, 205—53,
54, and 55 (fl. March); near Savanna Kompas: WENT 375 (fl. Sept.)

Surinam River, near Joden Savanne: KEGEL 870 and 1197; Dr. VOLTZ
without number.

Central and tropical South-America.

Stylosanthes guyanensis (Aubl.) Sw. Holm. 1789.

Trifolium guyanense Aubl. Plant. Guyan. 776 t. 309.

Upper Tapanahoni River: VERSTEEG 835 (fl. Aug.)

var. β *gracilis* Vog. Linnaea XII. 66.

Para district, near Onoribo: SPLITGERBER 635 H. L. B. 905, 205—57
(fl. March); FOCKE 1009 (fl. Sept.) named *Stylosanthes surinamensis*
Miq. Linnaea XVIII p. 567.

Tropical South-America

Stylosanthes angustifolia Vog. Linnaea XII. 63.

Para district near Onoribo: SPLITGERBER 615 H. L. B. 905, 205—59
and 60 (fl. March); FOCKE 1007 (fl. Sept.)

Upper Surinam River, near Joden Savanne : and Saramacca River, near Saron: KEGEL 1113 (Nov. and May.)
Amazon district, Guyana.

ARACHIS Linn.

Arachis hypogaea Linn. Spec. pl. 1040.

Paramaribo: KAPPLER ed. Hohenack. 1932; FOCKE 51.

Saramacca River, near Maripaston: PULLE 6,

Vernacular name: "Pinda".

Cultivated in all tropical countries.

ZORNIA Gmel.

Zornia diphylla (L.) Pers. Syn. Pl. II. 318.

Hedysarum diphyllum L. Spec. pl. 1053.

Lower Marowyne River, near Albina: TULLEKEN 586 H. L. B. 903, 322—1215; TULLEKEN 592 H. L. B. 903, 322—1206; WENT 439; VERSTEEG 15.

Paramaribo: VERSTEEG 564.

Saramacca River, near Saron: KEGEL 220.

var: ♀ **pubescens** Bth. Flora Bras. XV. 1 p. 82.

Paramaribo, near Orellana-kreek: FOCKE 668, named *Zornia surinamensis* Miq. in Annals of Nat. Hist. 1843 No. 67 p. 14.

Para district, near Onoribo: SPLITGERBER 640 H. L. B. 905, 205—41.

var: γ **gracilis** Bth. Flora Bras. XV. 1 p. 83.

Surinam: HOSTMANN 1072.

All tropical countries.

DESMODIUM Desv.

Desmodium triflorum D. C. Prodr. II. 334.

Paramaribo: KEGEL without number named *Nicholsonia reptans* Meissn.

Linnaea XXI. p. 260; WENT 354.

Surinam: FOCKE 558.

East-Indies, tropical America.

Desmodium barbatum (L.) Bth. Plant. Jungh. I. 224.

Lower Marowyne River, near Albina: WENT 475.

Gonini River: VERSTEEG 207 (fl. Sept.)

Tapanahoni River: VERSTEEG 703 (fl. July).

Cottica district, near Post Oranjewoud: FOCKE 674 (fl. Octob.); FOCKE H. L. B. 904, 289—75.

Paramaribo: KEGEL 27 (fl. June), named *Nicholsonia cayennensis* D. C. by Meissner Linnaea XXI. p. 260; TULLEKEN 112 H. L. B. 903, 322—1466 (fl. Aug.); SPLITGERBER 165 H. L. B. 904, 289—72 (fl. Nov.)

Para district: SPLITGERBER 1117 H. L. B. 904, 289-71; SPLITGERBER 680 H. L. B. 904, 289-73

Surinam: HOSTMANN 604 named *Nicholsonia major* Steud. Flora 1843 p. 757; HOSTMANN H. L. B. 903, 322-26.

Vernacular name: »Oeman-pinda» (Versteeg).

All tropical America.

Desmodium adscendens (Sw.) D. C. Prodr. II 332.

Lower Marowynne River: VERSTEEG 640 (fl. Jan.)

Lower Surinam River, near plant. »de Zwarigheid»: FOCKE 671 named *Desmodium glaucescens* Miq. Linnaea XVIII p. 569

Paramaribo, near Orellana-kreek: FOCKE 99 H. L. B. 904, 289-70.

Para district: SPLITGERBER 1118 H. L. B. 904, 289-69 (fl. Apr.); in Savannah Berlijn: WENT 374 (fl. Sept.)

Saramacca River: PULLE 99 (fl. Dec.)

Surinam: HOSTMANN H. L. B. 903, 322-108.

All tropical America.

Desmodium incanum (Sw.) D. C. Prodr. II. 332.

Hedysarum incanum Sw. Fl. Ind. Occ. 1265.

Paramaribo: KEGEL 29 (fl. June); TULLEKEN 7 H. L. B. 903, 322-1319; WENT 8 and 328; VERSTEEG 469.

Lower Comewyne River: FOCKE 252 named by Miquel Linnaea XVIII p. 569: *Desmodium racemiferum* D. C.

Surinam: HOSTMANN 599b; SPLITGERBER 15 H. L. B. 904, 289-77 and 76; FOCKE 31; HOSTMANN H. L. B. 903, 322-270.

Tropical America, introduced into Asia and Africa.

Desmodium axillare (Sw.) D. C. Prodr. II. 333.

Hedysarum axillare Sw. Flora Ind. Occ. III. 1274.

Lower Saramacca River: PULLE 54 (fl. Nov.)

Surinam: HOSTMANN H. L. B. 903, 322-59.

Tropical America.

Desmodium asperum (Poir.) Desv. in D. C. Prodr. II. 333.

Hedysarum asperum Poir. Dict. VI 408.

Lower Marowynne River, near Albina: VERSTEEG 547 (fl. July).

Para district, near Onoribo: FOCKE 880 named *Desmodium spectabile* Miq. Linnaea XVIII 570.

Surinam: HOSTMANN H. L. B. 903, 322-57 and 207.

Tropical South-America.

ALYSICARPUS Neck.

Alysicarpus vaginalis D. C. Prodr. II. p. 353.

Paramaribo: KEGEL 28, named *Alysicarpus nummularifolius* D. C.

- var. *β surinamensis* Meissn. Linnaea XXI. p. 262; VERSTEEG 468;
 TULLEKEN 125 H. L. B. 903, 322—1479.
 Nickerie: TULLEKEN 295 H. L. B. 903, 322—1079.
 Surinam: SPLITGERBER 481 H. L. B. 904, 289—10; FOCKE 736; FOCKE
 H. L. B. 904, 289—9; HOSTMANN H. L. B. 903, 322—54.
 East-India, introduced into tropical America.

ECASTAPHYLLUM Pers. (*Dalbergia* Linn. f. pro. p.).

Ecastaphyllum Brownei Pers. Syn. II. 277.

- Surinam: FOCKE (fl. Octob.)
 Tropical America and Africa.

Ecastaphyllum Monetaria (L. f.) Pers. Syn. II. 277.

- Dalbergia monetaria* Linn. f. Suppl. 317.
 Gonini River: VERSTEEG 78 (fl. Aug.)
 Paramaribo: FOCKE 815 (fl. Sept.) named *Ecastaphyllum Benthamianum*
Miq. Linnaea XVIII p. 575; KEGEL 833 (fl. March) and 366 (fl. July)
 named *Hecastaphyllum Plumieri* Pers.
 Para district: SPLITGERBER 758 (fl. March) H. L. B. 904, 289—84.
 Upper Commewyne River: FOCKE 219 (fl. Aug.)
 Surinam: HOSTMANN 184; HOSTMANN H. L. B. 903, 322—71.
 Northern Brazil, Guyana, Trinidad, St. Domingo.

Ecastaphyllum pubescens D. C. Prodr. II. p. 421.

- Marowynne River: KAPPLER ed. Hohenack. 2154 (fl. Sept.)
 Surinam: KAPPLER H. L. B. 903, 322—450.
 French Guyana.

MACHAERIUM Pers.

Machaerium leiophyllum (D. C.) Bth. Ann. Mus. Vind. II. 100.

- Nissolia leiophylla* D. C. Prodr. II. p. 258.
 Lawa River: VERSTEEG 134 (fl. Aug.)
 Surinam: HOSTMANN 256 named *Machaerium surinamense* *Miq.* Stirp.
 Surin. Select. p. 21.
 Surinam: HOSTMANN 1198.
 Guyana, Venezuela.

Machaerium ferrugineum Pers. Syn. II. p. 276.

- Upper Litanie River: VERSTEEG 424 (fl. Dec.)
 Paloemeu River: VERSTEEG 889 (fl. Sept.)
 Surinam River, near Joden Savanne: KEGEL 1189 (fl. Nov.)
 Para district, near plant. Berlijn: FOCKE 944 (fl. March).
 Upper Cottica district: FOCKE 678 (fl. Octob.)
 Surinam: HOSTMANN 1304; SPLITGERBER 517 H. L. B. 904, 289—101
 (fl. Jan.)
 Northern Brazil, Guyana.

Machaerium Kegelii Meissn. Linnaea XXI. p. 257.

Paramaribo, near Poelepantje : KEGEL 1249 (fl. Febr.)

CYCLOLOBIUM Bth.

Cyclolobium Hostmanni Bth. Journ. Proc. Linnean Soc. Suppl. to Vol. IV. (1860) p. 52.

Surinam: HOSTMANN 172 in Hb. Kew.

DREPANOCARPUS Meyer.

Drepanocarpus lunatus (Linn. f.) G. F. W. Meyer. Prim. Fl. Esseq. 238.

Pterocarpus lunatus Linn. f. Suppl. 317.

Paramaribo: WENT 314 (fl. Aug.); 347 (fl. Octob.)

Lower Commewyne district: FOCKE 250 (fl. Octob.)

Saramacca River: WENT 251 (fl. Aug.); KEGEL 104 (fl. July).

Vernacular name: "Branti maka".

Tropical America and Africa.

Drepanocarpus falcatus Miq. Linnaea XVIII p. 576.

Surinam River, near plant. Bergendal: FOCKE 927 (Sept.)

Bentham in Journ. Proceed. Linnean Soc. Suppl. to Vol. IV. (1860) p.

71 says of this species: "D. falcatus Miq. from Surinam has according to specimens transmitted by him so exactly the foliage of *Drepanocarpus lunatus* with detached fruits of *Dalbergia inundata*, that, unless he has seen specimens with the fruits attached, we cannot but conclude, there must have been some mismatching". As in the original specimen of Focke in the Utrecht Herbarium a fruit is attached on the plant, the name *D. falcatus* Miq. must be kept.

Drepanocarpus inundatus Mart. Benth. in Ann. Mus. Vind. II. p. 96.

Surinam River, near Cassepoere-kreek: KEGEL 1187 (fl. Nov.); near

Bergendal; FOCKE 932 (fl. Sept.) named by Miquel *Machaerium Schomburgkii* Bth. Miq. Linnaea XVIII p. 577.

Surinam: HOSTMANN 700; HOSTMANN H. L. B. 903, 322—344; SPLITGERBER 551 H. L. B. 904, 289—67.

Northern Brazil, Guyana, Venezuela.

PTEROCARPUS Linn.

Pterocarpus Draco Linn. ex parte D. C. Prodr. II. 418.

Surinam River: SPLITGERBER 543 H. L. B. 905, 205—66 and 68 (fl. Jan.); near plant. Geysersvlyt: KEGEL 695 (fl. Febr.); near Paramaribo:

KEGEL 841 (fl. March), named *Pterocarpus suberosus* Pers.

Upper Saramacca River: PULLE 171 (fl. Jan.)

Surinam: HOSTMANN and KAPPLER ed. Hohenack. 381; KAPPLER H. L. B. 903, 322—357.

Vernacular name : »Bébéhoedoe" (Splitgerb.)
Guyana, West-Indies, Central America.

Pterocarpus Rohrii Vahl. Symb. II. 79.
Gonini River : VERSTEEG 232 (fl. Sept.)
Northern Brazil, Guyana, Venezuela.

LONCHOCARPUS H. B. K.

Lonchocarpus sericeus H. B. K. Nov. Gen. et Spec. VI. 383.
Paramaribo : KEGEL 849 (fl. March) named *Lonchocarpus densiflorus*
Bth. by Meissner, Linnaea XXI p. 256; FOCKE 895 (fl. May), named
Lonchocarpus hedyosmys Miq. Linnaea XVIII p. 564.
Surinam : HOSTMANN 234.
Tropical America, Western tropical Africa.

MÜLLERA Linn f.

Müllera moniliformis Linn. f. Suppl. 53.
Surinam River : SPLITGERBER 453 H. L. B. 905, 205—84, 85 (fl. Jan.).
Lower Commewyne district : FOCKE 749 (fl. Dec.), named *Lonchocarpus Pterocarpus* D. C. Miq. Linnaea XVIII p. 565 and *Sphinctolobium glaucescens* Miq. Stirp. Surin. Select. p. 223 t. 4.
Surinam : HOSTMANN 758.
Northern Brazil, Guyana, St. Vincent.

DERRIS Lour.

Derris guyanensis Bth. Flora Bras. XV. 1 p. 208.
Degnelia scandens Aubl. Pl. Guyan. II. 750 t. 300.
Lawa River, near Cottica : VERSTEEG 437 (fl. Dec.)
Surinam River, near Cassepoere-kreek : KEGEL 1174 (fl. Nov.)
Surinam : WULLSCHLÄGEL 839 ex Bth. Journ. Proc. Linn. Soc.
Suppl. IV. p. 106.
Guyana.

ANDIRA Lam.

Andira retusa H. B. K. Nov. Gen. et Spec. VI. 385.
Paramaribo, Post Belair, Para district, Surinam River : SPLITGERBER
818 H. L. B. 904, 289—14 and 13 (fl. April) named *Andira surinamensis* Splitg. = *Geoffraea surinamensis* Bond. Dissert. de Geoffr.
Surin. p. 13.
Vernacular name : „Wormbast".
Northern Brazil, Guyana.

Andira inermis H. B. K. Nov. Gen. et Spec. VI. p. 385.
Paramaribo : SPLITGERBER 470 H. L. B. 904, 289—11 and 12 (fl. Jan.);
FOCKE 898 (fl. April); WENT 494 (fl. Octob.).

Surinam: HOSTMANN 461 and 669; HOSTMANN H. L. B. 903, 322—96 and 305.

Perhaps the »Bruinhart" of Surinam.

Tropical America and Africa.

DIPTERYX Schreb.

Dipteryx oppositifolia (Aubl.) Willd. Spec. plant. III. 910.

Taralea oppositifolia Aubl. Plant. Guyan. II. 745 t. 298.

Upper Litanie River, near Mount Knopaiamoi: VERSTEEG 398 (fl. Dec.)

Gonini River: VERSTEEG 234 (fl. Sept.)

Upper Tapanahoni River: VERSTEEG 910 (fl. Octob.)

Surinam: KAPPLER H. L. B. 903, 322—355.

Northern Brazil, Guyana.

According to Taubert in Natürl. Pflanzenfam. III 3 p. 347, *Dipteryx oppositifolia* gives the English Tonka-Beans and *Dipteryx odorata* the Dutch Tonka-Beans. I have not seen any specimen of *D. odorata* from Surinam.

ABRUS Linn.

Abrus precatorius Linn. Syst. nat. 533.

Paramaribo: KEGEL 738 (fl. Febr.)

Para district, near Onoribo: FOCKE 881 (fl. March).

All tropical countries.

CLITORIA Linn.

Clitoria ternatea Linn. Spec. 1025.

Paramaribo: WENT 489 (fl. Octob.)

Coronie: TULLEKEN 562 H. L. B. 903, 322—969 (fl. Octob.)

Cultivated.

All tropical countries.

Clitoria glycinoides D. C. Prodr. II. 234.

Tapanahoni River: VERSTEEG 833 (fl. Nov.)

Paramaribo: KEGEL 907 (fl. June) named *Neurocarpum ellipticum* Desv.
by Meissner Linnaea XXI. p. 260.

Upper Surinam River: FOCKE 1311 (fl. May.)

Tropical South-America, Central America.

Clitoria guyanensis (Aubl.) Bth. Flora Bras. XV. 1 p. 121. t. 31 fig. 2.

Crotalaria guyanensis Aubl. Pl. Guyan. II. 761 t. 305.

Surinam: HOSTMANN 1262.

Brazil, Guyana, Columbia.

Clitoria arborescens Ait. Hort. Kew. ed. II. IV. 302.

Lower Marowynne River: KAPPLER ed. Hohenacker 1933 (fl. July) named

Clitoria amoena Miq. Stirp. Surin. Select p. 24; near Galibi at the sea-coast: WENT 421 (fl. Octob.); near Albina: VERSTEEG 532 (fl. July). Paramaribo, near Poelephantje: KEGEL 906 (fl. June) named *Neurocarpum bracteatum* Mart. by Meissner Linnaea XXI. p. 260.
Lower Coppename River: WENT 150 (fl. Aug.)
Upper Nickerie River: TULLEKEN 428 H. L. B. 903, 322—1537, 1538, and 1577; TULLEKEN 394 H. L. B. 903, 322—1088 (specim. insuff.)
Surinam: HOSTMANN H. L. B. 903, 322—117.
Guyana, Columbia, Trinidad.

***Clitoria leptostachya* Bth.** in Journ. Linn. Soc II 43.

Gonini River: VERSTEEG 148 (fl. Aug.)
Upper Saramacca River: PULLE 468 (fl. March)
British Guyana.

CENTROSEMA D. C.

***Centrosema Plumieri* (Juss) Bth.** Flora Bras. XV. 1. p. 127.

Tapanahoni River, near Drie-Tabbetje: VERSTEEG 677 (fl. July).
Tropical South-America.

***Centrosema brasilianum* (Linn.) Bth.** Ann. Mus. Vind II. 118.

Clitoria brasiliensis L. Spec. 1026.

Upper Surinam River: FOCKE 456 (fl. Sept.)
Saramacca River, near Maripaston: KEGEL 1309 (fl. May.)
Tropical Brazil, Guyana.

***Centrosema angustifolium* (H. B. K.) Bth.** Ann. Mus. Vind. II. 118.

Para district, near plant. Berlijn: SPLITGERBER 718 H. L. B. 904, 289—54 and 55 (fl. March).
Surinam River in Savanne Kompas: WENT 371 (fl. Sept.)
Tropical South-America.

***Centrosema virginianum* (Linn.) Bth.** Ann. Mus. Vind. II. 120.

Clitoria virginiana L. Spec. 1026.

Marowynne River, near Albina: VERSTEEG 562 (fl. July).
Upper Tapanahoni River: VERSTEEG 818 (fl. Aug.)
Paramaribo: SPLITGERBER 775 H. L. B. 904, 289—57 and 58; FOCKE.
Lower Saramacca River, near Maripaston: PULLE 12 (fl. Nov.)
Surinam: KAPPLER H. L. B. 903, 322—452.
All tropical America.

ERYTHRINA Linn.

***Erythrina glauca* Willd.** Spec III. 915.

Paramaribo, near Laan van Tourtonne: KEGEL 937 (fl. July).
Surinam: HOSTMANN H. L. B. 903, 322—148.
Amazon district, Guyana, Central America.

Erythrina velutina Willd. Spec. III. 915.

Surinam: FOCKE 1335.

Cultivated.

Tropical America.

MUCUNA Adans.**Mucuna urens (L.) D. C. Prodr. II. 405.***Dolichos urens* L. Spec. 1020.

Marowyne River, near Poeloegoedoe: VERSTEEG 601 (fl. July).

Paramaribo, near Beekhuizen: KEGEL 97 (fl. July).

Surinam River: SPLITGERBER 255 H. L. B. 905, 205—86 (fl. Dec.)

Para district, near plant. la Recontre: FOCKE 786 (fl. April).

Lower Commewyne district: TULLEKEN 133 H. L. B. 903, 322—1379 (fl. Aug.)

Surinam: HOSTMANN 55.

Vernacular name: „Kowai” or „Bittredjoeka”.

Tropical America and Africa.

Mucuna pruriens (Linn.) D. C. Prodr. II. 405.*Dolichos pruriens* Linn. Spec. 1019.

Paramaribo: FOCKE 414

All tropical countries.

Mucuna altissima (Jacq.) D. C. Prodr. II. 405.*Dolichos altissimus* Jacq. Ic. amer. 85 t. 182.

Upper Commewyne district, near plant. Potribo: SPLITGERBER 486

H. L. B. 905, 205—87 (fl. Jan.)

Upper Saramacca River: PULLE 476 (fl. March).

Northern Brazil.

STENOLOBIUM Bth. (*Calopogonium* Desv.)**Stenolobium brachycarpum Bth. in Seem Bot. Her. 109.**

Lower Marowyne River, near Albina: WENT 474 (Octob.); VERSTEEG 25 (July).

Paramaribo: WENT 308 (Aug.); KEGEL 103 (July) named by Meissner

Linnaea XXI. 259: *Phaseolus Martii* Bth.; FOCKE 458; 628b; 1330;

VERSTEEG 494 (June)

Lower Saramacca River, near Groningen: WENT 170 (Aug.)

Surinam: TULLEKEN 106 H. L. B. 903, 322—1460 (Aug.); HOSTMANN

H. L. B. 903, 322—121; FOCKE 324 named by Miquel: *Dolichos regularis* Mey; Dr. VOLTZ without number.

Brazil, Guyana.

Stenolobium velutinum Bth. in Tayl. Ann. Nat. Hist. III. 437.

Surinam, accord. to Benth. Flora Bras. XV. 1. p. 139.

Brazil.

Stenolobium coeruleum (Desv.) Bth. Ann. Mus. Vind. II. 125.

Gonini River: VERSTEEG 140 and 230 (fl. Aug.—Sept.)

Tropical South-America.

GALACTIA P. Br.**Galactia Jussieuana** H. B. K. Nov. Gen. et Spec. VI. 429.

Surinam: HOSTMANN.

Amazon district, Guyana.

DIOCLEA H. B. K.**Dioclea violacea** Bth. Ann. Mus. Vind. II. 132.

Surinam, accord. to Benth. Flora Bras. XV. 1 p. 162.

Central Brazil.

Dioclea reflexa Hook. f. Fl. Nigr. 306.

Surinam: accord. to Benth. Flora Bras. XV. 1. p. 163.

Tropical America, Asia and Africa.

Dioclea glabra Bth. Ann. Mus. Vind. II. 133.

Lawa River: VERSTEEG 274 (fl. Octob.)

Upper Litanie River: VERSTEEG 401 (fl. Dec.)

Tapanahoni River: VERSTEEG 662 (fl. July).

Upper Saramacca River: PULLE 203 (fl. March).

Surinam: KAPPLER H. L. B. 903, 322—453.

Amazon district, Guyana.

Dioclea lasiocarpa Mart. ex Bth. Ann. Mus. Vind. II. 133.

Lower Marowayne River, near Albina: VERSTEEG 2 (fl. July).

Upper Tapanahoni River: VERSTEEG 849 (fl. Aug.)

Lower Surinam River: near Jagtlust: WENT 94 (fl. Aug.)

Paramaribo: SPLITGERBER 228 H. L. B. 903, 322—81 (fl. Dec.); FOCKE 630 (fl. Sept.); KEGEL 604 (fl. Febr.); TULLEKEN 117 H. L. B. 903, 322—1471 (fl. Aug.)

Upper Saramacca River: PULLE 98 (fl. Dec.)

Lower Coppename River: WENT 118 (fl. Aug.)

Upper Coppename River: BOON 1045 and 1062 (fl. Aug.)

Surinam: HOSTMANN H. L. B. 903, 322—60 and 298.

Tropical Brazil, Guyana, Peru.

Dioclea lasiophylla Bth. Ann. Mus. Vind. II. 134.

Upper Tapanahoni River, near Mount Teeboe: VERSTEEG 797 (fl. Aug.).

Central Brazil, New-Grenada.

CANAVALIA Adans.**Canavalia gladiata** (Linn.) D. C. Prodr. II. 404.*Dolichos gladiatus* Linn. in Jacq. Icon. rar. t. 560.

Paramaribo, near Beekhuizen: KEGEL 981 (fl. Aug.) named *Canavalia brasiliensis* Mart. Meissn. Linnaea XXI. p. 259; WENT 338 (fl. Octob.)
 Surinam: HOSTMANN H. L. B. 903, 322—118 and 292; FOCKE 1349.
 All tropical countries.

Canavalia obtusifolia (Lam.) D. C. Prodr. II. 404.

Lower Marowyne River: KAPPLER ed. Hohenacker 1935 (fl. July)
 named *Phaseolus* sp. by Miquel.
 All tropical countries.

CAJANUS D. C.

Cajanus indicus Spreng. Syst. 248.

Lower Marowyne River, near Albina: WENT 440 (fl. Octob.); VERSTEEG 535 (fl. July).

Paramaribo: KEGEL 136 (fl. July).

Nickerie: TULLEKEN 581 H. L. B. 903, 322—988 (fl. Nov.)

Surinam: SPLITGERBER 1113 H. L. B. 904, 289—23; HOSTMANN H. L. B. 903, 322—179.

Vernacular name: 'Wandoe'.

Tropical Africa, cultivated in all tropical countries.

RHYNCHOSIA Lour.

Rhynchosia phaseoloides (Sw.) D. C. Prodr. II. 385.

Glycine phaseoloides Sw. Fl. Ind. Occ. III. 1248.

Marowyne River, near Poeloegoedoe: VERSTEEG 629 (fl. July.)

Paramaribo: KEGEL 455 (fl. Aug.) named *Rhynchosia macrophylla* D. C.
 Meissn. Linnaea XXI 260.

All tropical America.

Rhynchosia minima (Linn.) D. C. Prodr. II. 385.

Dolichos minimus Linn. Spec. 1020.

Paramaribo, near plant Quarta: KEGEL 114 (fl. July), named *Rhynchosia punctata* D. C.

Lower Surinam River: FOCKE 667 (fl. Octob.)

Surinam: HOSTMANN 466 and 574; H. L. B. 903, 322—213.

ERIOSEMA D. C.

Eriosema flaviflorum Miq. Linnaea XVIII p. 573.

Para district, near Onoribo: FOCKE 865 (fl. March).

Eriosema crinitum (H. B. K.) E. Mey. Comm. Pl. Afr. Austr. 128.

Glycine crinita H. B. K. Nov. Gen. et Spec. VI. 421 t. 573.

Para district, near Onoribo: FOCKE.

All tropical America.

Eriosema violaceum (Aubl.) E. Mey. Comm. pl. Afr. Austr. 128.

Cytisus violaceus Aubl. Pl. Guyan. II 766 t. 306.

Para district, near Onoribo: SPLITGERBER 634 H. L. B. 904, 289–89 and 90.

Saramacca River, near Saron; KEGEL 1278 named *Eriosema crinitum* E. Mey. by Meissn. Linnaea XXI. 260.

Northern Brazil, Guyana, Trinidad.

PHASEOLUS Linn.

Phaseolus lunatus Linn. Spec. 1016.

Paramaribo: FOCKE 629 (fl. Sept.).

Para district. SPLITGERBER 994 (fl. May).

Vernacular name: »Zevenjaars boontje».

All tropical countries.

Phaseolus membranaceus Bth. Ann. Mus. Vind. II. 137.

Upper Litanie River: VERSTEEG 385 (fl. Dec.)

Tropical Brazil.

Phaseolus truxillensis H. B. K. Nov. Gen. et Spec. VI. 451.

Lower Commewyne River: FOCKE 388 (fl. Sept.) named *Phaseolus surinamensis* Miq. in Tayl. Ann. Nat. Hist. XI. 14.

Surinam: HOSTMANN H. L. B. 903, 322–99 and 254.

Tropical America.

Phaseolus linearis H. B. K. Nov. Gen. et Spec. VI. 443.

Surinam: HOSTMANN.

Guyana, New-Granada.

Phaseolus ovatus Bth. Ann. Mus. Vind. II. 139.

Paulus-kreek: FOCKE 1409

Nickerie River: TULLEKEN 493 H. L. B. 903, 322–1025.

Central Brazil.

Phaseolus campestris Mart. ex Benth. Ann. Mus. Vind. II. 141.

Gonini River: VERSTEEG 63 (fl. Aug.)

Upper Saramacca River: PULLE 142 (fl. Jan.).

Amazon district

Phaseolus lasiocarpus Mart. ex Benth. Ann. Mus. Vind. II. 140.

Marowynne River, near Poeloegoedoe: VERSTEEG 613 (fl. July).

Para district: SPLITGERBER 994 H. L. B. 905, 205–81 (fl. May) named *Phaseolus capitatus* Splitg. Mss.

Paulus kreek: FOCKE 1415.

Amazon district, British Guyana.

- Phaseolus longepedunculatus** Mart. ex Benth. Ann. Mus. Vind. II. 141
Lower Surinam River, near plant. Zwarigheid: Focke 669 (fl. Octob.)
Tropical Brazil, Guyana.

VIGNA Savi.

- Vigna vexillata** (L.) Bth. Flora Bras. XV. 1 p. 194 tab. 50.
Phaseolus vexillatus Linn. Spec. 1017.
Paramaribo: KEGEL 69 (fl. July); TULLEKEN 33 H. L. B. 903, 322—1295
(fl. July).
Para district: SPLITGERBER 1015 H. L. B. 905, 205—44 (fl. Jan.)
Surinam: HOSTMANN H. L. B. 903, 322—10
All tropical countries.

- Vigna luteola** (Jacq.) Bth. Flora Bras. XV. 1 p. 194. tab. 50.
Dolichos luteolus Jacq. Hort. Vind. t. 90.
Paramaribo: TULLEKEN 34 H. L. B. 903, 322—1272 (fl. July); WENT
336 (fl. Octob.)
All tropical countries.

DOLICHOS Linn.

- Dolichos Lablab** Linn. Spec. 1019.
Paramaribo: TULLEKEN 529.
Vernacular name: "Boonkie".
Cultivated; all tropical countries.
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OXALIDACEAE.

OXALIS Linn.

Oxalis Schomburgkiana Prog. Flora Bras. XII. 2 p. 500.

Upper Tapanahoni River: VERSTEEG 826 (fl. Aug.).

Upper Nickerie River: TULLEKEN 353 H. L. B. 903, 322—1041;

TULLEKEN 440 H. L. B. 903, 322—1542; TULLEKEN 522 H. L. B. 903, 322—931 (fl. Octob.)

AVERRHOA Linn.

Averrhoa Carambola Linn. Spec. 613.

Paramaribo: WENT 562.

Cultivated; vernacular name: „Fransche Birambi”.

East-India

Averrhoa Bilimbi Linn. Spec. 613.

Paramaribo: TULLEKEN 84 H. L. B. 903, 322—1363 (fl. July); WENT 352 (fl. Octob.)

Cultivated; vernacular name: „Birambi”.

HUMIRIACEAE.

HUMIRIA Aubl.

Humiria floribunda Mart. Nov. Gen. et Spec. II. 145.

var. δ . **guyanensis** (Bth.) Urb. Flora Bras. XII. 2. p. 439.

Humirium guyanense Bth. Hook. Lond. Journ. Botan. II. 374.

Surinam River, near Joden Savanne: SPLITGERBER 868. H. L. B. 904, 29—9 (fl. Apr.) FOCKE 1286 (fl. May) named *Humirium surinamense* Miq. Stirp. Surin Select. p. 86 t. 24; KEGEL 1144 (fl. Nov.) named *Humirium crassifolium* Mart.; near Blauwe Berg: SPLITGERBER 868 H. L. B. 904, 29—8. (fl. May.)

Para district, near Berlijn: FOCKE 1018 (fl. Sept.)

Saramacca River, near Maripaston: KEGEL 261 (fl. May.)

Surinam: HOSTMANN 793; WULLSCHLÄGEL 837.

British Guyana.

SACCOGLOTTIS Mart.

Saccoglottis dichotoma Urban Flora Bras. XII. 2 p. 446.

Lawa River: KAPPLER ed. Hohenacker 2144 (fl. Octob.), named *Saccoglottis guyanensis* Bth. by Grisebach; near Cottica: VERSTEEG 265 (fl. Octob.)

Surinam: KAPPLER H. L. B. 903, 322—480.

ERYTHROXYLACEAE.

ERYTHROXYLUM P. Br.

Erythroxylum amazonicum Peyr. Flora Bras. XII. 1. p. 167.

Surinam: HOSTMANN and KAPPLER 1264, named *Erythroxylum acutifolium* Steud. Mss.

Amazon district.

Erythroxylum citrifolium St. Hil. Fl. Bras. Merid. II. 94.

Upper Tapanahoni River; VERSTEEG 915 (fl. Octob.)

Surinam: HOSTMANN 1263.

var: **latifolium** O. E. Schulz. Mss.

Litanie River: VERSTEEG 428 (fl. Dec.).

Tropical Brazil, Guyana.

Erythroxylum coelophlebium Mart. in Abhand. München 1840 p. 116.

var. **Grisebachii** (Peyr.) O. E. Schulz. Mss.

Erythroxylum Grisebachii Peyr. Flora Bras. XII 1 p. 161.

Litanie River: VERSTEEG 432 (fl. Dec.)

Lawa River: KAPPLER ed. Hohenacker 2113 and KAPPLER (coll. 1861)

H. L. B. 903, 322—375.

Erythroxylum cumanense H B. K. Nov. Gen. et Spec. V. 177.

Paramaribo: WULLSCHLÄGEL 1852, 1854 and 1385; WEIGELT in hb. Berol; FOCKE 1336.

Surinam: HOSTMANN 383, named by Peyritsch l. c. 143: *Erythroxylum ovatum* Cav.

Tropical America.

Erythroxylum Kapplerianum Peyr. Flora Bras. XII. 1 p. 159.

Upper Marowync River: VERSTEEG 456 (fl. Jan.); KAPPLER ed Hohenack. 2116; KAPPLER (coll. 1861) H. L. B. 903, 322—390.

Erythroxylum macrophyllum Cav. Diss. VIII 401 t. 227.

Lawa River: VERSTEEG 449 (fl. Dec.)

Upper Saramacca River: PULLE 77 (fl. Nov.)
Amazon district, French Guyana.

Erythroxylum Roraimae Klotzsch in Schomburgk's Reise III. p. 1096
(nomen nudum).

Upper Tapanahoni River: VERSTEEG 721 (fl. Aug.)
British Guyana.

Note: *Erythroxylum surinamense* Miq. in Tijdschrift Nat. Geschied. en
Phys. X. (1843) p. 86 belongs to another order.

ZYGOPHYLLACEAE.

GUAJACUM Linn.

Guajacum officinale Linn. Spec. pl. 546.

Paramaribo; WENT 264 (fl. Aug.).

Cultivated.

Florida, West-Indies, Venezuela, Guyana, Columbia.

RUTACEAE.

TICOREA Aubl.

Ticorea longiflora D. C. Mém. Mus. IX. 144 t. 8 and 9.

Marowyne River: WULLSCHLÄGEL 828 ex Engler Flora Bras. XII.
2 p. 92.

French Guyana.

GALIPEA Aubl.

Galipea trifoliata Aubl. Plant. Guyan. II. 662 t. 269.

Upper Surinam River: FOCKE 1289 (fl. May) named *Galipea fissa*
Miq. Stirp. Surin. Select. p. 64.

Surinam: HOSTMANN 277; KEGEL 279.

Amazon district, French Guyana.

MONNIERA Löffl.

Monniera trifolia Linn. Syst. XXII, Sp. II. 986.

Marowyne River: WENT 431 (fl. Octob.); near Albina: VERSTEEG 20
(fl. July.)

Lower Surinam River, near Jagtlust: SPLITGERBER 428 H. L. B. 905,
220—70 (fl. Dec.); near plant. Zwarigheid: FOCKE 485 and 543
(fl. Octob.); near Paramaribo: FOCKE 24 and 77 H. L. B. 905,
220—71; KAPPLER ed. Hohenacker 1836 (fl. April.)

Lower Saramacca River, near Groningen: WENT 175 (fl. Aug.)

Upper Saramacca River: PULLE 63 (fl. Nov.)

Surinam: HOSTMANN H. L. B. 903, 322—116; TULLEKEN 214 H. L. B.
903, 322—1140.

All tropical America.

CITRUS Linn.

Citrus decumana Linn. Spec. 1000.

Surinam: KEGEL 1233 (fl. Jan.)

Cultivated in all tropical America.

Citrus medica Linn.

Subspec. **Limonum (Risso) Hook. f.**

Cultivated everywhere in the colony.

Vernacular name: »Lemmetje».

I am not able to determine the greater part of the specimens of Citrus, as the fruits are wanting.

TRIPHASIA Lour.

Triphasia Aurantiola Lour. Flor Cochinch. 153.

Surinam : FOCKE 292.

Cultivatad.

East-Indies.

SIMARUBACEAE.

SIMABA Aubl.

Simaba cuspidata Spruce Plant. exsicc. 1751 ex Engl. Flora Bras. XII.
2 p. 212.

Surinam River, near Blauwe Berg: SPLITGERBER 924 H. L. B. 905, 220—75 (fl. May) and 927 H. L. B. 905, 220—74 (fl. June) named *Simaba guyanensis Aubl.*

Upper Nickerie River: TULLEKEN 502 H. L. B. 903, 322—1001 (fl. Octob.)
Surinam: FOCKE 376.
Amazon district.

Simaba guyanensis (Aubl.) Engler Flora Bras. XII 2 p. 211.

Aruba guyanensis Aubl. Plant. Guyan. I. 293 t. 115.

Upper Saramacca River: PULLE 441 and 477 (fl. March).

Surinam: HOSTMANN and KAPPLER 141.

QUASSIA Linn.

Quassia amara Linn. Suppl. 235.

Paramaribo: WENT 112.

Commewyne River, near plant. Lustrijk: SPLITGERBER 191 H. L. B. 905, 220—72 (fl. Dec.)

Upper Nickerie River: TULLEKEN 403 H. L. B. 903, 322—1515 (fl. Sept.)
and TULLEKEN 434 H. L. B. 903, 322—1580.

Surinam: KAPPLER H. L. B. 903, 322—443.

Vernacular name: »Kwassi bita».

Northern Brazil, Guyana, Trinidad.

BURSERACEAE.

PROTIUM Burm

Protium heptaphyllum (Aubl.) March. in Kopenh Videnskab. Meddel.
1873 p. 41.

Icica heptaphylla Aubl. Plant. Guyan. I. 337 t. 130.

Marowyne River: KAPPLER ed. Hohenacker 2013 (fl. Aug.) WULL-
SCHLÄGEL 1405 ex Engler Flora Bras. XII. 2. p. 264.

Paramaribo: WULLSCHLÄGEL 816, 1406 and 1407 ex Engler l. c.

Surinam River, near Joden Savanne: KEGEL 1150 (fl. Nov.); near
Post Oranjewoud: FOCKE 111 H. L. B. 898, 321—146 (fl. Octob.);

FOCKE 684 named *Icica surinamensis* Miq. Stirp. Surin. Select. p. 65.
Coppename River: BOON 1208 (fl. Octob.)

Upper Nickerie River: TULLEKEN 395 H. L. B. 903, 322—1090 (fl. Sept.)
and TULLEKEN 521 H. L. B. 903, 322—1033 (fl. Octob.)

Surinam: HOSTMANN 322, 1242; KAPPLER H. L. B. 903, 322—373.

var. α . **puberulum** Engl. l. c. 263.

Surinam: KAPPLER 1292 ex Engler l. c.

Vernacular name: »Awaja" (or Hawaja) and »Tienjie monnie".

Tropical South-America.

Protium unifoliolatum (Spruce) Engl. Flora Bras XII 2 p. 262.

Icica unifoliolata Spruce Plant. Exsicc. 1960.

Lawa River: KAPPLER 2112 ex Engler l. c.

Amazon district.

Protium Hostmannii (Miq.) Engler Flora Bras. XII. 2. p. 266.

Icica Hostmanni Miq. Stirp. Surin. Select. 68.

Surinam: HOSTMANN 1247 and 1292.

Guyana.

Protium sagotianum March. in Adans. VIII. f. 1.

Marowyne River: KAPPLER ed. Hohenacker 2009 (fl. Nov.)

Surinam: HOSTMANN 1039; WULLSCHLÄGEL 1663.

French Guyana.

Protium polybotryum (Turcz.) Engl. Flora Bras. XII. 2. 278.

Icica polybotrya Turcz. Bull. Mosc. 1858 I. 473

Surinam: HOSTMANN 1268.

TETRAGASTRIS Gärtn.

Tetragastris Hostmanni (Engl.) O. Ktze. Revisio. gen. plant.

Hedwigia Hostmanni Engl. Monogr. p. 97.

Surinam: HOSTMANN 1161 in Hb. Kew. ex Engler l. c.

TRATTINICKIA Willd.

Trattinickia burseraefolia Mart. Nov. Gen. et Spec. III. 93 t. 239.

var. α . **obtusa** Engl. Flora Bras. XII. 2 p. 283.

Surinam: WULLSCHLÄGEL 1686 ex Engl. l. c.

Amazon district, British Guyana.

MELIACEAE.

CARAPA Aubl.

Carapa procera D. C. Prodr. I. p. 625.

Upper Saramacca River, near Janbasigado: PULLE 152 (fl. Jan.)

Surinam: KAPPLER ed. Hohenack. 2023 named by Griseb: *Carapa guyanensis* Aubl.

West-Indies, Guyana, Tropical Africa.

Carapa surinamensis Miq. Stirp. Surin. Select. p. 75. t. 19.

Surinam: FOCKE 1066 (fl. Dec.)

MELIA Linn.

Melia Azedarach L. Spec. plant. ed. 3. p. 550.

Paramaribo: KEGEL 1011 (fl. Sept.); VERSTEEG 474 (fl. June); WENT 496 (fl. Octob.); FOCKE 901 (fl. Aug.)

Near plant. Voorburg: TULLEKEN 99 H. L. B. 903, 322—1378 (fl. July.)

All tropical and sub-tropical countries.

GUAREA Linn.

Guarea trichiloides Linn. Mant. 228.

Gonini River: VERSTEEG 133 (fl. Aug.)

Paramaribo: WULLSCHLÄGEL ex Cas. D. C. Monogr. Phanerog. I. p. 544.

Surinam: HOSTMANN 755 named *Guarea surinamensis* Miq. Mss.

All tropical America.

Guarea pallida Cas. D. C. Flora Bras. XI. 1. p. 185.

Upper Tapanahoni River: VERSTEEG 766 and 839 (fl. Aug.)

Rio de Janeiro.

Guarea grandifolia D. C. Prodr. I. 624.

Paramaribo, near Poelephantje: KEGEL 688 (fl. Febr.)

Para district, near plant. la Recontre: FOCKE 787.

French Guyana.

Guarea Schomburgkii Cas. D. C. Monogr. Phan. I. 565.

Surinam: HOSTMANN 1161, named by Miquel *Guarea Kunthiana* Fuss.

British Guyana.

TRICHILIA Linn.

Trichilia brachystachya Cas. D. C. Mon. Phan. I. 650.

Surinam: HOSTMANN 347.

British Guyana, Venezuela.

Trichilia euneura Cas. D. C. Monogr. Phan. I. 673.

Surinam: KAPPLER H. L. B. 903, 322—358.

French Guyana.

Trichilia surinamensis (Miq.) Cas. D. C. Mon. Phan. I. 679.

Moschoxylon surinamense Miq. Stirp. Surin. Select. p. 73.

Surinam: HOSTMANN 662.

Trichilia subsessilifolia Cas. D. C. Mon. Phan. I. 685.

Marowynne River: KAPPLER ed. Hohenacker 2014 ex Cas. D. C. l. c.

French Guyana

Trichilia Pöppigii Cas. D. C. Mon. Phan. I. 685.

Paramaribo: WULLSCHLÄGEL 1833 ex Cas. D. C. l. c.

Northern Brazil.

Trichilia propinqua (Miq.) Cas. D. C. Mon. Phan. I. 693.

Moschoxylon propinquum Miq. Stirp. Surin. Select. p. 74.

Surinam: HOSTMANN 1204.

British Guyana.

Trichilia Maynasiana Cas. D. C. Mon. Phan. I. 700.

Lower Coppename River: WENT 107 (fl. Aug.)

Northern Brazil.

Trichilia alternans Cas. D. C. Mon. Phan. I. 700.

Paramaribo: WULLSCHLÄGEL 1333 ex Cas. D. C. l. c.

Amazon district.

SWIETENIA Linn.

Swietenia Mahagoni Linn. Spec. plant. 548.

Surinam: SPLITGERBER 364 H. L. B. 905, 220—45 (fl. May.)

Vernacular name: »Mahoni».

West-Indies, Peru.

CEDRELA Linn.

Cedrela odorata Linn. Spec. plant. 289.

Surinam: PLASSCHAERT.

Vernacular name: »Ceder.»

I am not quite certain about this species as fruits and flowers are wanting.

TRIGONIACEAE.

TRIGONIA Aubl.

Trigonía villosa Aubl. Plant. Guyan. I. 388 t. 149.

Upper Gonini River: VERSTEEG 121 and 153 (fl. Aug.)

Para district: SPLITGERBER 1136 H. L. B. 905, 220—77 (fl. Jan.)

Coppename River: BOON 1069 (fl. Aug.) and 1105 (fl. Sept.)

Surinam: KAPPLER H. L. B. 903, 322—363; NOLTE in Hb. Götting.
Guyana.

VOCHYSIACEAE.

VOCHYSIA Aubl.

Vochysia tetraphylla (G. W. F. Meyer) D. C. Prodr. III. 27.

Cucullaria tetraphylla G. F. W. Meyer Flora Esseq. 12.

Upper Gonini River: VERSTEEG 220 (fl. Sept.).

Upper Tapanahoni River: VERSTEEG 821 (fl. Aug.)

Cottica River: FOCKE 106 H. L. B. 905, 220-82 (Octob.).

Paramaribo: SPLITGERBER 136 H. L. B. 905, 220-80 (fl. Nov.); WENT 535 (fl. Octob.)

Para River, near Beekhuizen: KEGEL 684 (fl. Febr.) and 943 (fl. July),
named *Vochysia arcuata* Garcke Linnaea XXII p. 58.

Upper Saramacca River: PULLE 140 (fl. Jan.)

Coppename River: BOON 1051 (fl. Aug.); 1084 (fl. Aug.) 1091 (fl. Sept.)

Surinam: SPLITGERBER H. L. B. 905, 220-79; HOSTMANN H. L. B. 903, 322-345.

Vernacular name: "Kwalie" or "Kwarie".

Guyana.

Vochysia tucanorum Mart. Nov. Gen. et Spec. I. 142.

Surinam: WULLSCHLÄGEL ex Warm. Flora Bras. XIII. 2. p. 90.

Tropical Brazil.

QUALEA Aubl.

Qualea coerulea Aubl. Plant. Guyan. I. 7 t. 2.

Upper Surinam River: HOSTMANN and KAPPLER 1293 (fl. Dec.)

Surinam: HOSTMANN 1293.

Guyana.

Qualea albiflora Warm. Flora Bras. XIII 2 p. 36.

Marowyne River: KAPPLER ed. Hohenack 2037 (fl. Octob.)

POLYGALACEAE.

POLYGALA Linn.

Polygala violacea Vahl Symb. II. 79.

Savanne Kompas : WENT 385 (fl. Sept.)

Guyana, Brazil.

Polygala mollis H. B. K. Nov. Gen. plant. V. p. 405.

Para district : SPLITGERBER 1006 H. L. B. 905, 220—50 and 49.

Surinam River, near Joden Savanne : KEGEL 1123 (fl. Nov.)

Saramacca River, near Saron : KEGEL 1423 (fl. May.)

British Guyana, Venezuela.

Polygala stipulata Chodat Monogr. Polyg. II. 89.

Surinam : HOSTMANN ex Chodat. l. c.

French Guyana.

Polygala galioides Poir. Dict. V 503.

Para district, near Savanne Berlijn : SPLITGERBER 747 (fl. March).

Central Brazil, French Guyana.

Polygala Timoutou Aubl. Plant. Guyan. II. t. 295.

Paradistrict near plant. Berlijn : SPLITGERBER 732 H. L. B. 905, 220—54 (fl. March).

Amazon district, Guyana.

Polygala trichosperma Linn. Mant. 259.

Surinam : Dr VOLTZ; HOSTMANN 175 ex Chodat l. c. 171.

British Guyana, Central Brazil.

Polygala adenophora D. C. Prodr. I. 327.

Para district, near Onoribo : SPLITGERBER 673 H. L. B. 905, 220—57 (fl. March); near plant. Berlijn : SPLITGERBER 707 H. L. B. 905, 220—56 (fl. March); near Post-Republiek : TULLEKEN H. L. B. 903, 322 -1447 (fl. Aug.)

Saramacca River, near Saron : KEGEL 1262 (fl. May.)

Surinam: FOCKE 170.

Guyana Venezuela.

***Polygala variabilis* H. B. K.** Nov. Gen. et Spec. V. 397 t. 509.

Para district, near Post Republiek: TULLEKEN 197 H. L. B. 903, 322—1126 (fl. Aug.)

Surinam River, near Joden Savanne: KEGEL 1098 (fl. Nov.); FOCKE 1282 (fl. May) named *Polygala sororia* Miq. Stirp. Surin. Select. 32 t. 8.

Saramacca River, near Maripaston: KEGEL 1298 and 1299 (fl. May).

Surinam: HOSTMANN 175a; KAPPLER ed. Hohenack. 175a.

Amazon district, Guyana, West-Indies.

***Polygala longicaulis* H. B. K.** Nov. Gen. et Spec. V. 396.

Para district, near Savanne Berlijn: SPLITGERBER 708 H. L. B. 905, 220—53 (fl. March).

Surinam River, near Joden Savanne: FOCKE 1283 (fl. May.)

Saramacca River, near Saron: KEGEL 1280 (fl. May).

Surinam: HOSTMANN and KAPPLER 1673 named *Polygala diversifolia* Miq. Linnaea XIX. p. 128.

All tropical South-America.

***Polygala paludosa* St. Hil.** Flora Bras. mer. II. 8.

Para district: KAPPLER 1511 named *Polygala modesta* Miq. Linnaea XVIII. p. 747.

All tropical America.

***Polygala appressa* Bth.** Hook. Journ. of Bot. 100.

Surinam River, near Joden Savanne: KEGEL 1099 (fl. Nov.)

Surinam: HOSTMANN 630 named *Polygala Hostmanni* Miq. Stirp. Surin. Select. 33; KAPPLER 1422.

var. ***brachiata* Rchb.**

Surinam: WEIGELT H. L. B. 905, 220—46.

BREDEMEYERA Willd.

***Bredemeyera densiflora* A. W. Benn.** Flora Bras. XIII. 3. p. 52.

var. β . ***glabra* Benn.** l. c.

Surinam: HOSTMANN 1152.

Amazon district, British Guyana.

SECURIDACA Linn.

***Securidaca volubilis* Linn.** Spec. 992.

Lower Surinam River, near Vredenburgkreek: FOCKE 677 named *Rodschiedia surinamensis* Miq. Linnaea XVIII p. 585.

Paramaribo: KEGEL 1251 (fl. Febr.); WENT 409 (fl. Octob.)

Para district, near Onoribo: SPLITGERBER 760 H. L. B. 905, 220—66 and 67 (fl. March).

Lower Commewyne River, near plant. Maastroom: FOCKE 677.

Surinam: HOSTMANN H. L. B. 905, 220-65 and H. L. B. 903, 322-153.

Alt tropical South-America.

var. β . **mollis** Bennett Flora Bras XIII. 3. p. 62.

Securidaca mollis H. B. K. Nov. Gen. et Spec. V. 421.

Upper Tapanahoni River: VERSTEEG 921 (fl. Octob.)

Commewyne River: KAPPLER without number in Herb. Rheno-Traj.

Surinam: KAPPLER ed Hohenack. 1965; KAPPLER H. L. B. 903, 322-451.

Tropical Brazil.

Securidaca pubescens D. C. Prodr. I. 341.

Paramaribo: SPLITGERBER 93 H. L. B. 905, 220-62 and 63.

Surinam: HOSTMANN 431 ex Bennett l. c. 64.

Tropical Brazil, French Guyana, Guatemala.

Securida Hostmanni Miq. Stirp. Surin. Select. p. 30.

Lower Marowyne River, near Albina. VERSTEEG 534 (fl. July).

Upper Tapanahoni River: VERSTEEG 883 (fl. Sept.)

Surinam River, near Bergendal: FOCKE 1162 (fl. Octob.)

Paulus kreek: FOCKE 1408 (fl. Sept.)

Upper Saramacca River: PULLE 500 (fl. March).

Surinam: HOSTMANN 1086.

Amazon district, Guyana.

MONNINA Ruiz et Pav.

Monnina membranacea Miq. Stirp. Surin. Select. p. 30.

Lawa River: VERSTEEG 76 (fl. Aug.)

Surinam: HOSTMANN 99.

MOUTABEA Aubl.

Moutabea guyanensis Aubl. Plant. Guyan. II. 679 t. 274.

Surinam: WULLSCHLÄGEL ex Eichler Flora Bras. VII. p. 15.

French Guyana.

DICHAPETALACEAE.

TAPURA Aubl.

Tapura guyanensis Aubl. Plant. Guyan. I 126 t. 48.

Marowyne River : KAPPLER ed. Hohenacker 2114 (fl. Octob.)

Lawa River : VERSTEEG 448 (fl. Dec.)

Gonini River : VERSTEEG 187 (fl. Aug.)

Commewyne River : KAPPLER without number in Hb. Rheno-Traj.

Lower Saramacca River : PULLE 95 (fl. Nov.)

Surinam : KAPPLER H. L. B. 903, 322—364

Amazon district, French Guyana.

EUPHORBIACEAE.

DISCOCARPUS Klotzsch.

Discocarpus esseQUIBOENSIS Klotzsch in Erichs. Arch. 1841 p. 201.

Tapanahoni River: KAPPLER 2143 (fl. Octob.); KAPPLER H. L. B. 903,
322—381.

British Guyana.

AMANOA Aubl.

Amanoa guyanensis Aubl. Plant. Guyan. I. 256 t. 101.

var. α *genuina* Müll. arg. in D. C. Prodr. XV. 2 p. 219.

Surinam: HOSTMANN 1141 and 1180.

Amazon district, French Guyana.

PHYLLANTHUS Linn.

Phyllanthus guyanensis (Aubl.) Müll. arg. Flora Bras. XI. 2 p. 39.

Meborea guyanensis Aubl. Plant. Guyan. II. 825 t. 323.

Surinam: KAPPLER ed. Hohenacker 305 named *Phyllanthus attenuatus*
Miq. Linnaea XXI p. 479 and Stirp. Surin. Select. p. 100 t. 31a

WULLSCHLÄGEL 1072 ex Müll. arg. l. c.

Guyana, Venezuela.

Phyllanthus acuminatus Vahl. Symb. 95.

Paramaribo: SPLITGERBER 155 H. L. B. 904, 111—166 (fl. Dec.): FOCKE
1110; TULLEKEN 131 H. L. B. 903, 322—1485 (fl. Aug.).

Surinam: HOSTMANN 413; KAPPLER ed. Hohenacker 1688, named by
Miquel: *Phyllanthus piscatorum* H. B. K.: HOSTMANN H. L. B. 903,
322—252; WEIGELT.

Tropical South-America.

Phyllanthus Schomburgkianus Müll. arg. in D. C. Prodr. XV. 2. p. 387.

Surinam River, near Brokopondo: WENT 504 (fl. Octob.)

var. γ . *acuminatus* Müll. arg. Linnaea XXXII 36.

Surinam River, near Bergendal: FOCKE 1157 and 1278 named by

Miquel, Stirp. Surin. Select. p. 100 t. 318: *Phyllanthus guyanensis* Klotzsch.

Guyana, Tropical Brazil.

Phyllanthus hyssopifolius H. B. K. Nov. Gen. et Spec. II. 108.

Surinam: WULLSCHLÄGEL 458 ex Müller arg. Flora Bras. XI. 2 p. 52.
Tropical Brazil, Venezuela, French Guyana.

Phyllanthus lathyroides H. B. K. Nov. Gen. et Spec. II. 110.

var. β . **genuinus** Müll. arg. Linnæa XXIII p. 42.

Paramaribo: FOCKE 1379 (fl. June)

Surinam: WULLSCHLÄGEL 1552 ex Müller arg. Flora Bras. XI. 2 p. 52.

forma **purpurascens** Müll. arg. in D. C. Prodr. XV. 2 p. 404.

Surinam: WULLSCHLÄGEL 1071 ex Müll. arg. Flora Bras. XI. 2 p. 52.
Tropical South-America.

Phyllanthus Niruri Linn. Spec. pl. p. 1392.

Upper Tapanahoni River, near Drie-Tabbetje: VERSTEEG 693 (fl. July).

Paramaribo: SPLITGERBER 367 H. L. B. 904, 117—29 (fl. Dec.)

Vernacular name: »Bita-wiwirie" (Splitgerber) or »Finie-bita" (Versteeg).

All tropical countries.

Phyllanthus diffusus Klotzsch in Seem. Bot. Heral. p. 105.

var. β . **oblongifolius** Müll. arg. in D. C. Prodr. XV. p. 410.

Saramacca River, near Maripaston: KEGEL 1300 (fl. May).

Surinam: WULLSCHLÄGEL 457 ex Müll. arg. Flora Bras. XI. 2 p. 55

var. α . **genuinus** Müll. arg. in D. C. Prodr. XV. 2 p. 409.

Lawa River: VERSTEEG 115 (fl. Aug.)

Lower Surinam River, near plant. Jagtlust: WENT 70 (fl. Aug.)

Paramaribo: TULLEKEN 40 H. L. B. 903, 322—1309.

Para River, near Post-Republiek: TULLEKEN 202 H. L. B. 903,
322—1130 (fl. Aug.)

Saramacca River, near Maripaston: PULLE 72 (fl. Nov.)

Upper Nickerie River: TULLEKEN 432 H. L. B. 903, 322—1578 (fl. Sept.)

Surinam: WULLSCHLÄGEL 456; FOCKE without number named by Miquel:

Phyllanthus microphyllus H. B. K.

Vernacular name: »Djari bita" (Tulleken)-or »Finie Bita" (van Hall).

Tropical South-America.

Phyllanthus orbiculatus L. C. Rich. Act. Soc. hist. nat. Par. 1792 p. 113.

var. α **genuinus** Müll. arg. Flora Bras. XI. 2 p. 62

Surinam River, near Albina: VERSTEEG 24.

Para district, near Post-Republiek: TULLEKEN 213 H. L. B. 903, 322
—1139 (fl. Aug.)

Surinam: KAPPLER 1821; WULLSCHLÄGEL 459 ex Müll. arg. l. c. 62.

Vernacular name: "Man-bitu".

Tropical Brazil, Venezuela, French Guyana.

Phyllanthus nobilis (Linn. f.) Müll. arg. Prodr. XV. 2 p. 414.

Margaritaria nobilis Linn. f. Suppl. 428.

Surinam: SPLITGERBER 352 H. L. B. 904, 111—238, named *Cicca guyanensis* Splitg. Mss.

var. α . **genuinus Müll. arg.** in D. C. Prodr. XV. 2 p. 414.

Surinam: DALBERG; HOSTMANN 415, 612, 1060, named *Cicca surinamensis* Miq. Flora 1848 p. 479; KAPPLER 1567, 1625.

HIERONYMIA Allem.

Hieronymia laxiflora Müll. arg. in Linnaea XXXIV. p. 67.

Surinam: HOSTMANN 391.

Amazon district, Guyana, Columbia

CROTON Linn.

Croton cuneatus Klotzsch in Hook. Lond. Journ. of Botan. II 49.

Para district, WULLSCHLÄGEL 1074.

Upper Saramacca River: PULLE 466 (fl. March).

Surinam: KAPPLER 1505; FOCKE.

Amazon district, British Guyana.

Croton matourensis Aubl. Plant. Guyan. II. 879 t. 338.

Para River, near Onoribo: SPLITGERBER 616 H. L. B. 903, 156—480 (fl. March).

Surinam River, near Blauwe Berg: SPLITGERBER 930 H. L. B. 903, 156—481 (fl. May).

French Guyana, Amazon district.

Croton lobatus Linn. Spec. pl. I. p. 1005.

var. β . **genuinus Müll. arg.** Prodr. XV. 2 p. 667.

Paramaribo: FOCKE 1332 (fl. Nov.); TULLEKEN 97 H. L. B. 903, 322—1376 (fl. July).

Surinam: KAPPLER 1573, named *Cnidoscolus surinamensis* Miq. Linnaea XVIII p. 749 and XXI p. 476; WULLSCHLÄGEL 464 and 999 ex Müll. arg. Flora Bras. XI. 2 p. 240.

All tropical South-America.

Croton glandulosus Linn. Amoen. Acad. V. p. 409.

var. α . **hirtus Müll. arg.** Prodr. XV. 2 p. 684.

Marowynne River, near Albina: VERSTEEG 527 (fl. July).

Paramaribo: FOCKE 1293 H. L. B. 903, 156—395; FOCKE 777.

Para district: VERSTEEG 504 (fl. June).

Saramacca River: PULLE 107 (fl. Dec.)

Surinam: FOCKE 1207; SPLITGERBER H. L. B. 903, 156—634; KEGEL without number; WULLSCHLÄGEL 462.

Tropical South-America.

var. *scordioides* Müll. arg. in D. C. Prodr. XV. 2 p. 683.

lusus: *surinamensis* Geisel. Crot. Monogr. p. 64.

Surinam, without collectors name ex Müll. arg. Flora Bras. XI. 2. p. 270.

Croton chamaedryfolius Griseb. Flora Brit. West. Ind. Islands. p. 41.

Marowynne River, near Albina: TULLEKEN 590 H. L. B. 903, 322—1204 (fl. Nov.)

Lawa River, near Cottica: VERSTEEG 287 (fl. Octob.)

Paramaribo: SPLITGERBER 215 H. L. B. 903, 156—575 and 577 (fl. Dec.);

TULLEKEN 109 H. L. B. 903, 322—1463 (fl. Aug.); near Poelephantje: KEGEL 310 (fl. July).

Para district, near Onoribo: FOCKE 875 (fl. March); near Post Republiek; TULLEKEN 203 H. L. B. 903, 322—1131 (fl. Aug.)

Upper Surinam River: FOCKE 1302 (fl. May.)

Surinam: KAPPLER 1417; WULLSCHLÄGEL 463; HOSTMANN H. L. B. 903, 322—53.

Tropical South-America

Croton Hostmanni Miq. Linnaea XXI. p. 477.

Surinam: HOSTMANN 1106.

CAPERONIA St. Hil.

Caperonia palustris St. Hil. Plant. remark. 245.

Paramaribo: TULLEKEN H. L. B. 903, 322—1484 (fl. Aug.); WENT 287 (fl. Aug.)

Para district: SPLITGERBER 1140 H. L. B. 903, 155—365 (fl. May.)

Surinam River, near plant. Zwarigheid: FOCKE 19 (fl. Octob.) H. L. B. 903, 155—366.

Surinam: FOCKE 532, HOSTMANN H. L. B. 903, 322—318.

Vernacular name: »Tori-man" (Went).

Tropical South-America.

Caperonia castaneaefolia St. Hil. Pl. remark. 245.

Surinam River, near Blauwe Berg: SPLITGERBER 939 H. L. B. 903, 156—257 (fl. May), named: *Croton aculeatus* Splitg. Mss.

Upper Surinam River: FOCKE 338 named *Acantopyxis crotonoides* Miq. Mss.

Surinam: HOSTMANN without number.

Tropical South-America.

CONCEVEIBA Aubl.

Conceveiba guyanensis Aubl. Plant. Guyan. II. 924 t. 353.

Lower Saramacca River, near Maripaston: KEGEL 1318 (fl. May).

Surinam: WULLSCHLÄGEL 1331.

Amazon district, Guyana.

Conceveiba Hostmanni Bth. in Hook. Journ. of Botan. 1854 p. 332.

Upper Saramacca River, near Janbasigado: PULLE 153 (fl. Jan.)

Surinam: HOSTMANN 1261.

ALCHORNEA Sw.

Alchornea cordata (Juss.) Müll. arg. in D. C. Prodr. XV. 2 p. 901.

Conceveibum cordatum Juss. Tent. Euphorb. 43 t. 13.

Surinam: WULLSCHLÄGEL 1662 ex Müll. arg. Flora Bras. XI. 2 p. 376.

Tropical Brazil, Guyana.

ACALYPHA Linn.

Acalypha macrostachya Jacq. Hort. Schönbr. II. 63.

var: = **tristis** Müll. arg. Flora Bras. XI. 2 p. 345.

Surinam: WULLSCHLÄGEL 774 ex Müll. arg. l. c.

Tropical South-America.

Acalypha scandens Bth. in Hook. Journ. of Bot. 1854 p. 329.

Surinam River, near Blauwe Berg: SPLITGERBER 915 H. L. B. 903,
153—202 (fl. May).

Lower Saramacca River, near Mindrinetti: PULLE 43 (fl. Nov.)

Upper Coppename River: BOON 1060 (fl. Aug.)

Surinam: HOSTMANN 990; HOSTMANN 818 in Hb. Götting.

Amazon district, British Guyana.

Acalypha diversifolia Jacq. Hort. Schönbr. II. 63 t. 244.

Tapanahoni River: KAPPLER cd. Hohenack. 2074 named *Acalypha*
leptostachya H. B. K.

Tropical South-America.

TRAGIA Linn.

Tragia volubilis Linn. Spec. plant. Ed. I. p. 980.

Upper Surinam River, near Bergendal: FOCKE 992 (fl. May).

Tropical South-America.

PLUKENETIA Linn.

Plukenetia verrucosa Smith Nova Acta Upsal. VI. 4.

Surinam: WULLSCHLÄGEL 840; DALBERG ex Linn. f. Suppl. 421.

Amazon district, French Guyana.

DALECHAMPIA Linn.

Dalechampia scandens L. Syst. ed. 13 p. 720.

Marowynne River, near Albina : TULLEKEN 594 H. L. B. 903, 322—1208 (fl. Sept.)

Paramaribo, near plant. Nieuwe Grond : SPLITGERBER 821 H. L. B. 903, 157—61 (fl. April.)

Surinam : KAPPLER ed. Hohenacker 1888; HOSTMANN H. L. B. 903, 322—188.

Tropical South-America.

Dalechampia dioscoreaefolia Pöpp. et Endl. Nov. Gen. III. 20.

Lawa River : KAPPLER ed. Hohenack. 143 (fl. Nov.) named *Dalechampia nitidula Steud.*

Upper Saramacca River : PULLE 159 (fl. Jan)

Surinam : HOSTMANN 152; KAPPLER H. L. B. 903, 322—449.

Peru, New-Granada.

Dalechampia micrantha Pöpp. et Endl. Nov. Gen. III. p. 19 t. 222.

Surinam : KAPPLER 1889 ex Müll. arg. Prodr. XV. 2. p. 1253.

Amazon district, British Guyana.

RICINUS Linn.

Ricinus communis Linn. Spec. plant. Ed. I. p. 1007.

Lawa River, near Cottica : VERSTEEG 293 (fl. Octob.)

Paramaribo : TULLEKEN 24 H. L. B. 903, 322—1193, 1269 and 1497 (fl. July).

Upper Saramacca River, near Pakka-Pakka : PULLE 185 (fl. Jan.)

Vernacular name : »Krapata”.

Cultivated in all tropical countries.

JATROPHA Linn.

Jatropha Curcas Linn. Spec. plant. I. p. 1006.

Lawa River, near Poeloemoffo : VERSTEEG 445 (fl. Dec.)

Paramaribo : SPLITGERBER 172 H. L. B. 904, 75—321 (fl. Nov.) named :

Curcas lobata Splitg. in sched.

Vernacular name : »Schijtnooten” (Splitg.)

All tropical America.

Jatropha gossypifolia Linn. Spec. pl. ed. I. p. 1006.

var. *β. staphysagrifolia Müll. arg. Flora Bras. XI. 1 p. 491.*

Paramaribo : SPLITGERBER 74 H. L. B. 904, 75—335 (fl. Nov.)

Surinam : KAPPLER 629e in Herb. Götting.

var. *γ. elegans Müll. arg. l. c.*

Paramaribo : SPLITGERBER 16 H. L. B. 904, 75—344 (fl. Dec.)

Surinam : HOSTMANN 490.

All tropical America and Africa.

Jatropha multifida Linn. Spec. plant. ed. I. p. 1006.

Surinam: SPLITGERBER 433 H. L. B. 904, 75—371 (fl. Dec.)

Cultivated in gardens.

Tropical America.

MANIHOT Adans.**Manihot utilisima** Pohl Plant. Bras. I. 32 t. 24.

Lawa River: VERSTEEG 145 (fl. Aug.)

Upper Litanie River: VERSTEEG 419 (fl. Dec.)

Upper Tapanahoni River: VERSTEEG 801 (fl. Sept.)

Paramaribo: KEGEL 739 (fl. Febr.)

Para district, near Post Republiek: TULLEKEN 192 H. L. B. 903,
322 - 1431 (fl. Aug.)

Nickerie: TULLEKEN 314 H. L. B. 903, 322 - 1049 (fl. Sept.)

Surinam: HOSTMANN 891; HOSTMANN H. L. B. 903, 322—68.

Vernacular name: "Bittere Cassave".

Cultivated in all tropical countries.

Manihot palmata Müll. arg. in D. C. Prodr. XV. 2 p. 1062.

var. γ . **Aipi** Müll. arg. l. c.

Surinam: SPLITGERBER 277 H. L. B. 904, 105—408 (fl. Dec.)

Vernacular name: "Zoete Cassave".

Tropical South-America.

SAGOTIA Baill.**Sagotia racemosa** Baill. Rec. I. 54.

var. α . **ligularis** Müll. arg. in D. C. Prodr. XV. 2 p. 1113.

Surinam: HOSTMANN 1156 p. p.

var. β . **genuina** Müll. arg. l. c.

Surinam: HOSTMANN 115, 1156 pp.

British Guyana.

OMPHALEA Linn.**Omphalea diandra** Linn. Spec. pl. 1377.

var. β . **genuina** Müll. arg. in D. C. Prodr. XV. 2 p. 515.

Upper Tapanahoni River: VERSTEEG 812 (fl. Aug.)

Surinam: WULLSCHLÄGEL 1314 ex Müll. arg.

Amazon district, French Guyana, Peru, West-Indies.

MABEA Aubl.**Mabea Taquari** Aubl. Plant. Guyan. II. 870 t. 334.

Upper Tapanahoni River: VERSTEEG 836 (fl. Aug.)

Lower Saramacca River: PULLE 59 (fl. Nov.)

Upper Saramacca River: PULLE 409 (fl. Jan.)
Amazon district, Guyana, Venezuela.

Mabea Piriri Aubl. Plant. Guyan. II. 867 t. 334.

Marowyne River, near Galibi: WENT 415 (fl. Octob.)

Surinam River: HOSTMANN and KAPPLER ed. Hohenacker 1320 (fl. Dec.);
near Bergendal: FOCKE 1298 (fl. May).

Lower Saramacca River: PULLE 67 (fl. Nov.)

Upper Coppename River: BOON 1059 and 1094 (fl. Sept.)

Upper Nickerie River: TULLEKEN 364 H. L. B. 903, 322—1105 (fl. Sept.)

Surinam: HOSTMANN 409; HOSTMANN and KAPPLER 1362.

Vernacular name: »Pipa tikie" (Boon).

SEBASTIANIA Spreng.

Sebastiania corniculata Müll. arg. Prodr. XV. 2 p. 1168.

Marowyne River: KAPPLER ed. Hohenacker 1886 (fl. Aug.) named by
Miquel: *Microstachys guyanensis Klotzsch*.

Para district, near Onoribo: SPLITGERBER 666 H. L. B. 904, 120—45
(fl. March) and SPLITGERBER 667 H. L. B. 904, 120—65.

All tropical America.

EXCOECARIA Linn.

Excoecaria biglandulosa (L.) Müll. arg. in D. C. Prodr. XV. 2 p. 1204.

Surinam: FOCKE, named by Miquel Linnaea XXI p. 475: *Sapium Hip-*
pomane Mey.

Tropical South-America.

MAPROUNEA Aubl.

Maprounea guyanensis Aubl. Plant. Guyan. II. 895. t. 342.

Surinam: HOSTMANN 996; WULLSCHLÄGEL 1551, ex Müll. arg. Flora
Bras. XI. 2 p. 544

Tropical Brazil, Guyana, New-Grenada.

HURA Linn.

Hura crepitans Linn. Spec. plant. 1431.

Paramaribo: SPLITGERBER 132 H. L. B. 904, 75—281 (fl. Nov.)

Surinam River, near Post Oranjewoud: FOCKE 686 (fl. Octob.)

Surinam: KAPPLER 1719.

Vernacular name: »Postentrie"'.
All tropical America.

ACTINOSTEMON Klotzsch.

Actinostemon concolor Müll. arg. Flora Bras. XI. 2 p. 593.

Upper Tapanahoni River, near Mount Kassikassima: VERSTEEG 902
(fl. Sept.)
Tropical Brazil.

EUPHORBIA Linn.

Euphorbia cotinoides Miq. Stirp. Surin. Select. 96.

Lower Surinam River, near Albina: VERSTEEG 549 (fl. July).

Surinam: KAPPLER ed. Hohenacker 1669 (fl. Febr.)

Vernacular name: »Gunapalu" (Kappler) or »Koenaparoë" (Versteeg).

Amazon district, British Guyana, Peru.

Euphorbia brasiliensis Lam. Dict. II. 423.

Marowynne River: KAPPLER ed. Hohenacker 1820 (fl. July), named

Euphorbia Klotzschiana Miq. Stirp. Surin. Select. 95 t. 28; near

Albina: VERSTEEG 23 (fl. July); near Galibi: WENT 416 (fl. Octob.)

Tropical South-America.

var. β . **pulchella** Boiss. in D. C. Prodr. XV. p. 24.

Lower Commewyne River: FOCKE 253 (fl. Octob.)

Amazon district, British Guyana, Venezuela.

Euphorbia prostrata Ait. Hort. Kew. II. 139.

Surinam: WEIGELT, WULLSCHLÄGEL 1077.

Tropical America and Africa.

Euphorbia thymifolia Burm. Fl. Ind. 2.

Gonini River: VERSTEEG 205.

Commewyne River, near plant. Marienburg: WENT 274.

Saramacca River: PULLE 50.

Surinam: HOSTMANN H. L. B. 903, 322—50; Kegel without number

Vernacular name: »Melki-wiwirie".

All tropical countries.

Euphorbia adenoptera Bertol. Misc. Bot. III. 436.

Nickerie: TULLEKEN 317 H. L. B. 903, 322—1069.

Surinam: KAPPLER H. L. B. 903, 322—520.

Vernacular name: »Melki-wiwirie". (Tulleken).

All tropical America.

Euphorbia pilulifera Linn. Amoen Acad. III. 114.

Paramaribo: FOCKE; TULLEKEN 12 H. L. B. 903, 322—1314. (fl. June);

WENT 17 (fl. July).

Para district, near Onoribo: FOCKE 877 (fl. March).

Saramacca River: PULLE 109 (fl. Dec.).

Surinam: FOCKE 1272; WEIGELT.

Vernacular name : "Sabana merki-wiwirie."

All tropical America.

Euphorbia hypericifolia Linn. Hort. Cliff. 198.

Surinam : KAPPLER 1585 ; HOSTMANN H. L. B. 903, 322 - 204 ; WEIGELT
ex Boissier Prodr. XV. 2 p. 23.

Tropical America.

PEDILANTHUS Neck.

Pedilanthus retusus Bth. in Hook. Kew. Journ. VI. 321.

Saramacca River, near Groningen : WENT 158 (fl. Aug.).

Amazon district.

ANACARDIACEAE.

MANGIFERA Linn.

Mangifera indica Linn. Spec. 210.

Paramaribo: KEGEL 123 (fl. July); FOCKE 919.

Vernacular nama: »Manja».

Cultivated in all tropical countries.

ANACARDIUM Linn.

Anacardium occidentale L. Spec. pl. 548.

Marowynne River: WENT 466 (fl. Oct.)

Gonini River: VERSTEEG 129 (fl. Aug.)

Surinam River, near Joden Savanne: KEGEL 182 (fl. July); FOCKE 449 b.
(fl. Oct.)

Saramacca River: WENT 224 (fl. Aug.)

Nickerie: TULLEKEN 280 H. L. B. 903, 322—1225.

Surinam: HOSTMANN H. L. B. 503, 322—276; HOSTMANN and KAPPLER
ed. Hohenacker 644 (fl. Aug.)

Vernacular name: »Kasjoe" or »Kasjoema".

Cultivated in all tropical countries.

SPONDIAS Linn.

Spondias lutea Linn. Spec. 613.

Upper Litanie River: VERSTEEG 367 (fl. Nov.)

Upper Tapanahoni River: VERSTEEG 755 (fl. Aug.)

Paramaribo: SPLITGERBER 35 H. L. B. 897, 365—54 (fl. Oct.-Nov.);
WULLSCHLÄGEL 930.

Vernacular name: »Mompe" or »Mope".

Tropical America, Western Africa, Java.

Spondias dulcis Forst. Prodr. 198.

Cultivated in the colony.

Vernacular name: »Fransi Mope" or »Pomme de Cythere".

All tropical countries.

TAPIRIRA Aubl.

Tapirira guyanensis Aubl. Plant. Guyan. I. 470 t. 188.

Paramaribo: WULLSCHLÄGEL 1675.

Upper Surinam River, near Bergendal: FOCKE 1160 (fl. Octob.)

Lower Commewyne River: FOCKE 1329 (fl. May).

Surinam: SPLITGERBER 1043 H. L. B. 897, 365—78 (fl. May); HOSTMANN
368, 604a and 853.

All tropical South-America.

AQUIFOLIACEAE.

ILEX Linn.

Ilex guyanensis (Aubl.) O. Ktze Revisio gen plant.

Maconoua guyanensis Aubl. Plant. Guyan I. 88. t. 34.

Paramaribo: SPLITGERBER 606 (fl. Febr.) ex de Vriese Ned. Kruidk.

Archief. I. p. 314; KEGEL 415 ex Garcke Linnaea XXII p. 58.

Surinam: HOSTMANN and KAPPLER 1085; HOSTMANN 500 and 675;

KAPPLER H. L. B. 903, 322—486.

Guyana.

Ilex inundata Pöpp. ex Reiss. Flora Bras. XI. 1. p. 43.

Upper Litanie River: VERSTEEG 414 (fl. Dec.).

Amazon district.

CELASTRACEAE.

MAYTENUS Feuill.

Maytenus pruinosa Reiss. Flora Bras. XI. 1. p. 20.

Surinam: HOSTMANN and KAPPLER 1183.

Maytenus myrsinoides Reiss. Flora Bras. XI. 1. p. 21.

Upper Tapanahoni River: VERSTEEG 619 (fl. and fr. July).

Surinam: HOSTMANN 802.

Maytenus oblongata Reiss. Flora Bras. XI. 1. p. 25.

Para district, near plant Berlijn: WULLSCHLÄGEL ex Reissek. l. c.

GOUPIA Aubl.

Goupia glabra Aubl. Plant. Guyan. I. 295 t. 116.

Upper Tapanahoni River: VERSTEEG 858 (fl. Sept.)

Surinam: HOSTMANN 1026.

Vernacular name: „Kopie”.

Guyana.

HIPPOCRATEACEAE.

HIPPOCRATEA Linn.

Hippocratea ovata Lam. Enc. XXII. p. 100.

Tapanahoni River: KAPPLER ed. Hohenacker 2124 (fl. Sept.); VERSTEEG 648 (fl. July).

Lawa River: VERSTEEG 118 (fl. Aug.)

Upper Cottica River: FOCKE 702 (fl. Octob.)

Paramaribo: KEGEL 239 and 268 (fl. Aug.)

Lower Coppename River: WENT 127 and 139 (fl. Aug.)

Upper Coppename River: BOON 1081 and 1092 (fl. Aug.)

Surinam: HOSTMANN 132, 987, 1086 and 1087; HOSTMANN H. L. B. 903, 322—103; KAPPLER H. L. B. 903, 322—478 and 481; FOCKE 1381; SPLITGERBER 819 H. L. B. 899, 174—455 (fl. April); WULL-SCHLÄGEL 751, 1383 and 1384 ex Peyritsch Flora Bras. XI. 1. p. 13.
All tropical America.

Hippocratea floribunda Bth Bot. Sulph. 78.

Surinam: KAPPLER ed. Hohenack. 2032.

Amazon district, British Guyana.

Hippocratea Kappleriana Miq. Linnaea XXVI. p. 220.

Marowyne River: KAPPLER ed. Hohenacker 1972.

SALACIA Linn.

Salacia laevigata D. C. Prodr. I. 590.

Tapanahoni River: VERSTEEG 645 (fl. July).

Amazon district, British Guyana.

Salacia costata Miq. Mss. in Hb. Rheno-Traject.

Salacia macrophylla Miq. (*non Blume*) Stirp. Surin. Select. 85 t. 23.

Marowyne River: KAPPLER ed. Hohenack. 1806 (fl. Aug.)

Tapanahoni River, near Drie Tabbetje: VERSTEEG 705 (fl. July).

Surinam: KAPPLER H. L. B. 903, 322—362.

ICACINACEAE.

PORAQUEIBA Aubl.

Poraqueiba surinamensis Miers Contribut. to Bot. I. p. 72.

Surinam: HOSTMANN 1209 named by Tulasne, Ann. Scienc. nat. ser. 3.

XI. p. 170: *Poraqueiba guyanensis* Aubl.

SAPINDACEAE.

SERJANIA Schum.

- Serjania pedicellaris** Radlk. Monogr. der Gatt. *Serjania* p. 124 No. 23.
Upper Tapanahoni River, near Drietabbetje: VERSTEEG 683 (fl. July).
Surinam River, near Blauwe Berg: SPLITGERBER 1099 H. L. B. 905,
237—57 (fl. May).
Saramacca River: KEGEL 263 (fl. May).
Surinam: NOLTE in Hb. Gött.; HOSTMANN 1044 and 826 and 268 (p. p.)
ex Radlk. l. c.
French Guyana.

- Serjania membranacea** Splitg. in Tijdschrift Nat. Geschied. en Phys.
IX. p. 105.
Para district: SPLITGERBER 992 H. L. B. 905, 237—58 (fl. et fr. May).
Surinam: HOSTMANN 268 (p. p.).
Saramacca River: WULLSCHLÄGEL 922.

- Serjania paucidentata** D. C. Prodr. I. p. 603.
Lawa River: KAPPLER ed. Hohenacker 2129 (fl. Octob.)
Paramaribo: KAPPLER 1674 (fr. Jan.); near Beekhuizen: WULLSCHLÄGEL
921.
Para district: HOSTMANN and KAPPLER 1243 (fl. Aug.).
Lower Commewyne River, near plant. Nieuwe-Grond: FOCKE 693
(fl. Octob.)
Surinam: FOCKE 119; HOSTMANN 998.
Tropical Brazil, Trinidad, Guyana.

- Serjania oblongifolia** Radlk. Monogr. der Gatt. *Serjania* p. 219 No. 68.
Surinam: DUMORTIER without number.
British Guyana.

PAULLINIA Linn.

- Paullinia pinnata** Linn. Spec. pl. Ed. I. p. 366.
Paramaribo: SPLITGERBER 70 H. L. B. 905, 237—52, 55 (fl. Nov.);
KEGEL 71 (fr. July); WENT 259 (fl. Aug.); WENT 534 (fr. Octob.).

Surinam River, near Joden Savanne: KEGEL without number.

Paulus-kreck: FOCKE 220 (fl. Sept.)

Upper Commewyne River: FOCKE 220 (fl. Aug.) named *Paullinia diversiflora* Miq. in Tijdschrift Nat. Geschied. en Phys. X. p. 87.

Saramacca River: PULLE 47 (fl. Nov.)

Surinam: HOSTMANN and KAPPLER 1211; HOSTMANN H. L. B. 903. 322—11, named *Paullinia Hostmanni* Steud. Flora 1843 p. 75; WULLSCHLÄGEL 59; SPLITGERBER without number.

Tropical America and Africa.

Paullinia venosa Radlk. Monogr. der Gatt. Paullinia p. 230 no. 57.

Lawa River: KAPPLER ed. Hohenacker 2131 (fl. Octob.)

Tropical Brazil.

Paullinia fuscescens H. B. K. Nov. Gen. et spec. V. 120.

Paramaribo: FOCKE 1039 named by Miquel: *Paullinia micropterygia* Miq. in Tydschr. Nat. Geschied. en Phys. X. p. 89; SPLITGERBER 82

H. L. B. 905, 237—47 (fl. Nov.); WENT 410 (fr. Octob.)

Cottica district, near plant. Sordan: FOCKE 524 and FOCKE 16 H. L. B. 905, 237—48.

Surinam: WULLSCHLÄGEL 60; KAPPLER ed. Hohenack. 1601.

Tropical America.

Paullinia sphaerocarpa Rich. Ann. Mus. Par. IV. 348.

Surinam: KAPPLER ed. Hohenacker 2128.

Guyana, West-Indies.

URVILLEA Kunth.

Urvillea ulmacea H. B. K. Nov. Gen. et Spec. V. p. 82.

Gonini River: VERSTEEG 167 (fl. and fr. Aug.)

All tropical countries.

CARDIOSPERMUM Linn.

Cardiospermum Halicacabum L. Spec. plant. Ed. I. p. 366.

Marowynne River, near Albina: WENT 442.

Surinam River, near plant. Zwarigheid: FOCKE 529.

Paramaribo: WENT 10; KEGEL 433; FOCKE 845.

Nickerie: TULLEKEN 283 H. L. B. 903, 322—1224 and TULLEKEN 533 H. L. B. 903, 322—942.

Surinam: TULLEKEN 70 H. L. B. 903, 322—1350.

Vernacular name: "Kerstmisbloem".

All tropical countries.

TOULICIA Aubl.

Toulicia guyanensis Aubl. Plant. Guan. I. 359 t. 140.

Paulus kreek : FOCKE 1405.

Upper Saramacca River : PULLE 437 (fl. and fr. Febr.)

Surinam : HOSTMANN 596.

French Guyana.

MELICOCCA Linn.

Melicocca bijuga Linn. Spec. plant. Ed. II. p. 495.

Paramaribo : cultivated in gardens : FOCKE 1431.

Surinam : SPLITGERBER 1039.

Vernacular name : "Knippen".

Tropical South-America.

TALISIA Aubl.

Talisia hemidasya Radlk. in Sitzungsber. Kön. Bayr. Acad. VIII. p. 349.

Surinam : HOSTMANN 1274 named *Sapindus surinamensis* Turcz. in Bull. Moscou XXXI p. 402.

British Guyana.

Talisia megaphylla Sagot Ann. Scienc. nat. VI. ser. XII p. 196.

Paramaribo, near Beekhuizen : KEGEL 980 (fl. Aug.) named by Miquel in Linnaea XXII p. 71 : *Talisia glabra* D. C.

Guyana.

CUPANIA Linn.

Cupania scrobiculata L. C. Rich. Act. Soc. Hist. nat. de Par. I. p. 109.

Para district, near plant. Berlin : SPLITGERBER 714 H. L. B. 905, 237—43 (fr. March), named *Cupania reticulata* Splitg. in Tijdschr. nat. geschied. en phys. IX. p. 106.

Surinam River, near Station Victoria : KAPPLER ed. Hohenacker 1377 named by Miquel Stirp. Surin. Select. p. 70 : *Cupania subrepanda* Mart. forma *glabrior*.

Surinam : HOSTMANN 1310, named *Cupania porosa* Miq. Stirp. Surin. Select. p. 70 ; HOSTMANN 295 named *Cupania guyanensis* Miq. Stirp.

Surin. Select. p. 71 ; Dr. NOLTE without number in Herb. Götting. Northern Brazil, Guyana.

Cupania hirsuta Radlk. in Sitzungsber. Acad. Münch. IX. 565.

Upper Saramacca River : PULLE 486 (fl. March).

Guyana.

Cupania diphylla Vahl Eclog. III. 9.

Gonini River : VERSTEEG 158 (fl. Aug.)

Guyana.

VOUARANA Aubl.

Vouarana guyanensis Aubl. Plant. Guyan. II. Suppl. p. 12 t. 374.

Paloemeu River: VERSTEEG 885 (fl. Sept.)
Amazon district, French Guyana.

MATAYBA Aubl.

Matayba arborescens (Aubl.) Radlk. in Sitzungsber. Kön. Bayr. Acad. IX. p. 535.

Sapindus arborescens Aubl. Plant. Guyan. I. p. 357. t. 139.

Marowyne River: KAPPLER ed. Hohenack. 1829 (fl. Sept.) named by Miquel: *Thouinia polygama* G. F. W. Meyer.

Surinam River, near Blauwe Berg: SPLITGERBER 922 H. L. B. 905, 237—40 (fl. May); WULLSCHLÄGEL 924.

Para district, near plant. Berlijn: WULLSCHLÄGEL 1696.

Surinam River, near Joden Savanne: KEGEL 1194 (fr. Nov.)

Upper Saramacca River, near Janbasigado: PULLE 137 (fl. Jan.)

Surinam: HOSTMANN and KAPPLER 600a named *Cupania Aubletii* Miq. Stirp. Surin. Select. p. 67 t. 17 and 18; FOCKE 1224 and 1239; near plant. Poelwijk: SPLITGERBER 811 H. L. B. 905, 237—41 (fl. May); WULLSCHLÄGEL 2033.

Amazon district, Guyana, Trinidad, St. Vincent.

Matayba laevigata (Miq.) Radlk. Sitzungsber. Kön. Bayr. Acad. IX. p. 535.

Cupania laevigata Miq. Stirp. Surin. Select p. 72 p. p.

Surinam: HOSTMANN 1037; HOSTMANN H. L. B. 903, 322—306; KEGEL 268.

Matayba opaca Radlk. Sitzungsber. Kön. Bayr. Acad. IX. p. 536.

Pamaribo: KAPPLER 744, named *Cupania laevigata* Miq. p. p. (fl. Sept.)

Surinam: HOSTMANN 1279.

British Guyana.

Matayba camptoneura Radlk. in Sitzungsber. Kön. bayr. Acad. IX. p. 535.

Upper Coppename River: BOON 1056, 1110, 1130 (fl. et fr. Aug.—Sept.)

Vernacular name: »Koenatjeppi».

British Guyana.

Matayba guyanensis Aubl. Pl. Guyan. I. 331 t. 128.

Upper Litanie River, near Mount Knopaiamoi: VERSTEEG 402 (fl. Dec.)

Lawa River: VERSTEEG 438 (fl. et fr. Dec.)

Guyana, Tropical Brazil, Peru.

PSEUDIMA Radlk.

Pseudima frutescens (Aubl.) Radlk. in Congresso di Palermo 1875 p. 23.

Sapindus frutescens Aubl. Plant. Guyan. I. 355 t. 138.

Paloemeu River : VERSTEEG 877 (fl. Sept.)
Amazon district, French Guyana.

DODONAEA Linn.

Dodonaea viscosa Jacq. Enum. Pl. Carib. p. 19.

Surinam : HOSTMANN 1305.

All tropical countries.

RHAMNACEAE.

GOUANIA Linn.

Gouania corylifolia Raddi ex D. C. Prodr. II. p. 39.

Lower Saramacca River, near plant. Hamburg : SPLITGERBER 848 (fl. Apr.)
Tropical Brazil.

VITACEAE.

CISSUS Linn.

Cissus sicyoides Linn. Syst. 133.

Gonini River : VERSTEEG 58 (fl. Aug.)

Tapanahoni River : VERSTEEG 676 (fl. July).

Paramaribo : KEGEL 361 (fl. July).

Lower Surinam River : TULLEKEN 159 H. L. B. 903, 322—1179 (fl. Aug.)

Para district : SPLITGERBER 1142 H. L. B. 897, 347—77 (fl. March.)

Upper Saramacca River : PULLE 178 (fl. Jan.) and 94 (fl. Nov.)

Upper Coppename River : BOON 1070 (fl. Aug.) and 1255 (fl. Octob.)

Nickerie : TULLEKEN 301 H. L. B. 903, 322—1595 (fl. Aug.)

Upper Nickerie River : TULLEKEN 424 H. L. B. 903, 322—1524 (fl. Sept.)

Surinam : WULLSCHLÄGEL 65 ex Planchon Monogr. Phanerog. V. 527;

HOSTMANN 210.

Vernacular name : »Boenhati mama".

All tropical America.

Cissus erosa L. C. Rich. in Act. Soc. Hist. nat. Par. p. 106.

Gonini River : VERSTEEG 59 (fl. Aug.)

Paramaribo : TULLEKEN 120 H. L. B. 903, 322—1474 (fl. Aug.)

Surinam River, near plant. Beekhuizen : KEGEL 300 (fl. July).

Para district : FOCKE 182 (fl. Aug.)

Lower Saramacca River : PULLE 23 (fl. Nov.)

Coppename River : BOON 1133 (fl. Sept.)

Upper Nickerie River : TULLEKEN 420 H. L. B. 903, 322—1528 (fl. Sept.)

Surinam : KAPPLER 1598; HOSTMANN 475a; HOSTMANN 1301, named :

Cissus elongata Miq Stirp. Surin. Select. p. 110; HOSTMANN H. L. B.

903, 322—65; SPLITGERBER 1143 H. L. B. 897, 347—143 (fl. March).

All tropical America.

Cissus Parkeri (Baker) Planch. Monogr. Phanerog. V. p. 550.

Vitis Parkeri Baker Flora Bras. XIV. 2. p. 210.

Surinam near Salem : WULSCHLÄGEL ex Planch. l. c.
British Guyana, Central Brazil.

Cissus microcarpa Vahl Eclog. p. 16.

Commewyne River : KAPPLER without number.

Surinam, near Maipuribi-kreek : KAPPLER ed Hohenack. 1959 named

Cissus haematantha Miq. Linnaea XXVI. p. 220.

Jamaica, Cuba, Mexico.

ELAEOCARPACEAE.

SLOANEA Linn.

Sloanea latifolia (L. C. Rich.) K. Schum. Flora Bras. XII 3 p. 173

Blondea latifolia L. C. Rich. Act. soc. Par. I. 110.

Paramaribo. near plant. Tourtonne: KEGEL 939; named by Garcke

Linnaea XXII p. 55 *Sloanea corymbiflora* D. C.

French Guyana.

Sloanea dentata Linn. Spec. pl. Ed. I. 512.

Surinam River, near Cassepoera-kreek: KEGEL 1175 named by Garcke

Linnaea XXII p. 56: *Sloanea Plumieri* Aubl.

Surinam: HOSTMANN 1025.

Amazon district, Guyana.

Sloanea obtusa (Splitg.) K. Schum. Flora Bras. XII 3 p. 181.

Dasyneuma obtusa Splitg. Tijdschr. Nat. Geschied. en Phys. IX. p. 98.

Paramaribo: WULLSCHLÄGEL 911.

Surinam: HOSTMANN and KAPPLER 412; near Post Belair: SPLITGERBER
812 (fl. Apr.)

French Guyana.

Sloanea Kappleriana Pulle nova spec.

Rami inferne teretes glabri, superne augulati ferrugineo-tomentelli; foliis sparsis petiolo mediocri terete, tomentoso, apice paulo incrassato, stipulis linearibus petiolo 3-4 plo brevioribus, utrinque ferrugineo-tomentellis, caducis. Lamina oblonga vel ovata, apice obtusa vel apiculata (in specimine Versteegiana), basi cuneata, obsolete repando-dentata, coriacea, supra in nervo mediano tomentosa, ceterum glabra; subtus praesertim in nervos sparse pilosa. Inflorescentia axillaris petiolum subaequans, pedunculis pedicellis aequantibus, bracteis ovatis, obtusis; sepalis 4-6, plerumque 4, ovatis vel oblongis; obtusis vel acutis, extus et intus breviter pilosis; staminibus calyce duplo longioribus; antheris oblongis obtusis, quam filamenta multo brevioribus, glabris; ovario obscure tetragono villosa, stylo apice divaricato-quadrifido calycem paulo superante, post antherarum delapsus multo elongato. Capsula oblonga 4-valva, setis rigidis filiformibus obtecta.

Arbuscula 3—4 metralis. Petiolus 10—14 mM. longus, 1—2 mM. latus, stipulae 3 mM. longae. Lamina 10—15 cM. longa, 4—6 cM. lata, nervis supra immersis, subtus valde prominentibus. Nervi laterales utrinque 10—11. Inflorescentia 1—1½ cM. longa, pedicellis et pedunculis cinereo-pilosis. Pedicelli 1½—2 mM. longi, angulati. Sepala 2 mM. longa, stamina 4—5 mM. longa; antherae vix 1 mM. longae. Stylus 1½ mM. longus, post antherarum delapsus ad 6 mM. longus. Capsula 2 cM. longa, 1 cM. lata.

Pl. XII

Lawa River: KAPPLER (coll. 1861) ed. Hohenack. 2036 (with the fruits only) H. L. B. 903, 322—502.

Upper Litanie River: VERSTEEG 392 (fl. Dec.)



K. Kappeler, del.

K. Kappeler, f. W. M. Tray

Neanica Kappeleriana Pulle.

TILIACEAE.

APEIBA Aubl.

Apeiba Tibourbou Aubl. Plant. Guyan. I. 538. t. 213.

Surinam: HOSTMANN 228 (in Herb. Kew); DUMORTIER 18.

Tropical America.

Apeiba Petoumo Aubl. Plant. Guyan. I. 543 t. 215

Para district, near plant. Berlijn: SPLITGERBER 531 H. L. B. 905, 237
—78 and 79 (fl. Febr.) named *Apeiba echinata* Gärtn.

Surinam: HOSTMANN 294, named: *Apeiba hypoleuca* Steud. in Flora
1843 p. 755.

French Guyana.

Apeiba aspera Aubl. Plant. Guyan. 545 t. 216.

Upper Saramacca River: PULLE 231 (fl. March).

Brazil, French Guyana.

TRIUMFETTA Plum.

Triumfetta althaeoides Lam. Encycl. III. 420.

Paramaribo: SPLITGERBER 217 H. L. B. 905, 237—80, 81 and 82
(fl. Nov.); FOCKE 634 (fl. Sept.) and 69 H. L. B. 905, 237—84; near
Poelepantje: KEGEL 57 (fl. July); Dr. VOLTZ without number.

Cottica district, near plant. Sardam: FOCKE 560 (fl. Octob.)

Surinam: HOSTMANN 605 named: *Triumfetta surinamensis* Steud. Flora
1843 p. 755; HOSTMANN H. L. B. 903, 322—198.

Tropical America.

Triumfetta semitriloba Linn. Mant. I. p. 73.

Paramaribo: FOCKE 1380 (fl. June).

Triumfetta Hostmanni Miq. Linnaea XXII p. 466 (HOSTMANN 499) is perhaps a synonym of this species.
Tropical America.

Triumfetta heterophylla Lam. Encycl. III. 420.

Paramaribo : KAPPLER ed. Hohenacker 1589 (fl. March) named by Miquel : *Triumfetta Lappula* Lam. var. ? and *Triumfetta sinuosa* Miquel Linnaea XXII p. 466.
Amazon district, Columbia, Central-America, West-Indies.

MALVACEAE.

ABUTILON Gärtn.

Abutilon indicum (Linn.) G. Don. Gen. Syst. I. 504.

Sida indica Linn. Spec. pl. Ed. II. 964.

Nickerie: TULLEKEN 292 H. L. B. 903, 322—1077 (fl. Aug.)

Surinam: FOCKE 257 (cultivated); WEIGELT; WULLSCHLÄGEL 905 and 906 ex Schum. Flora Bras. XII. 3 p. 386.

Tropical America, Asia and Africa.

WISSADULA Medik.

Wissadula periplocifolia (L.) Presl. Reliq. Hänk. II. 117.

Sida periplocifolia Linn. Spec. pl. Ed. I. 684.

Commewyne River, near Warappakreek: WULLSCHLÄGEL 904 ex Schum. l. c. 442.

Tropical America and Asia.

SIDA Linn.

Sida linifolia Cav. Diss. I. t. 2 fig. 11.

Marowynne River: KAPPLER ed. Hohenacker 1877 (fl. Aug.) named:

Sida angustissima Miq. Stip. Surin. Select. 102.

Para district, near Onoribo: FOCKE 867; near plant. Berlijn: WULLSCHLÄGEL 783; WENT 380 (fl. Sept.); near Onoribo: SPLITGERBER 645 H. L. B. 905, 237—328 (fl. March).

Surinam River, near Bergendal: WULLSCHLÄGEL 783 ex Schumann l. c. 293.

Surinam: HOSTMANN 610a, 816; TULLEKEN H. L. B. 903, 322—1257.

Tropical America and Africa.

Sida urens Linn. Amoen. Acad. V. 402.

Upper Tapanahoni River: VERSTEEG 872 (fl. Octob.)

Paramaribo: FOCKE 773 (fl. Apr.); near plant. Quarta: KEGEL 1026 (fl. Octob.)

Commewyne River, near plant. Rustenburg: WULLSCHLÄGEL 1366.

Surinam: HOSTMANN and KAPPLER 273.

Tropical America and Africa.

***Sida serrata* Willd.** Mss. in Spreng. Syst. Veg. III. 111.

Lawa River: VERSTEEG 124 (fl. Aug.)

Upper Litanie River: VERSTEEG 357 (fl. Nov.)

Tapanahoni River: VERSTEEG 747 (fl. Aug.)

Surinam River, near Station Victoria: WULLSCHLÄGEL 25.

Venezuela.

***Sida veronicifolia* Lam.** in Encycl. I. 24 n. 11.

Paramaribo: FOCKE 843 (fl. Jan.—March).

All tropical countries.

***Sida glomerata* Cav.** Diss. 1 t. 2 fig. 6.

Lower Surinam River, near plant. Jagtlust: WENT 57 (fl. Aug.)

Paramaribo: KAPPLER ed. Hohenacker 1878 (fl. Apr.); KAPPLER 1593;

WULLSCHLÄGEL 31 ex Schumann l. c. 324; FOCKE 770 (fl. April);

near plant. Tourtonne: KEGEL 197 (fl. July); near plant. Quarta:

KEGEL 336 (fl. July).

Para district, near plant. Hannover: SPLITGERBER 1157 H. L. B. 905,

237—27 named *Sida foliosa Splitg.* Mss. and de Vriese Ned. Kruidk.

Arch. I. p. 340; near Onoribo: WULLSCHLÄGEL 34; near Post

Republiek: TULLEKEN 220 H. L. B. 903, 322—1145 (fl. Aug.).

Surinam: HOSTMANN 155; HOSTMANN H. L. B. 903, 322—211.

Tropical Brazil, Guyana, Columbia, West-Indies.

***Sida cordifolia* Linn.** Spec. pl. Ed. I. 684.

Marowynne River: WENT 460 (fl. Octob.)

All tropical countries.

***Sida rhombifolia* Linn.** Spec. pl. Ed. I. 684.

var. α . ***typica* K. Schum.** Flora Bras. XII. 3 p. 339.

Paramaribo: SPLITGERBER 171 H. L. B. 905, 237—30 (fl. Nov.);

TULLEKEN 43 H. L. B. 903, 322—1306 (fl. July).

Para district, near Onoribo: SPLITGERBER 1156 H. L. B. 905, 237—37

and near Berlijn: SPLITGERBER 700 H. L. B. 905, 237—38 (fl. March),

named *Sida trinervia Splitgerber* Mss.; de Vriese Ned. Kruidk.

Arch. I. 339.

Commewynne River, near Matappica-kreek: FOCKE 278.

Surinam: FOCKE 753; WEIGELT H. L. B. 905, 237—33; HOSTMANN

H. L. B. 903, 322—195; KAPPLER 1569; WULLSCHLÄGEL 32.

var. β ***surinamensis* (Miq.) K. Schum.** l. c. 339.

Sida surinamensis Miq. Linnaea XXII p. 469.

Paramaribo: TULLEKEN 22 H. L. B. 903, 322—1495. (fl. July); WENT

101 (fl. Aug.)

Upper Saramacca River: PULLE 226 (fl. March.)

Surinam: HOSTMANN 1079.

var. γ *canariensis* K. Schum l. c. 339.

Para district: WULLSCHLÄGEL 33 ex Schum. l. c.

All tropical countries.

MALACHRA Linn.

Malachra alceifolia Jacq. Collect. II. 350.

var. β *rotundifolia* Gürke Flora Bras. XII. 3 p. 462.

Cottica River, near plant. Badenstein: SPLITGERBER 780 H. L. B. 905, 237—19, named. *Malachra capitata* L.; de Vriese Ned Kruidk. Arch. I. p. 333.

Panama, Columbia, British Guyana.

Malachra fasciata Jacq. Coll. II. 352.

Paramaribo: KEGEL 867 (fl. May) named *Malachra Kegelianae* Garcke Linnaea XXII 52; TULLEKEN 128 H. L. B. 903, 322—1482 (fl. Aug.); WENT 331 (fl. Octob.).

Para district, near post Republiek: TULLEKEN 209 H. L. B. 902, 322—1136 (fl. Aug.).

Commewyne district: FOCKE 395 and 447 named *Riedleia setulosa* Miq. Tijdschr. Nat. Geschied. en Phys. X. 80.

Surinam: HOSTMANN 430; HOSTMANN H. L. B. 903, 322—250; WULLSCHLÄGEL 29; WEIGELT H. L. B. 905, 237—20, named *Malachra radiata* L. in sched.

Tropical America and Africa.

Malachra radiata Linn. Syst. nat. ed. XII. p. 459.

Paramaribo: WENT 304 (fl. Aug.); WULLSCHLÄGEL 874 ex Gürke l. c. 468.

Surinam: HOSTMANN H. L. B. 903, 322—167 and 278.

Tropical Brazil, Ecuador, Nicaragua, Tropical Africa.

URENA Linn.

Urena lobata Linn. Spec. pl. ed. I. 692.

var. α . *americana* Gürke Flora Bras. XII. 3 p. 471.

Surinam: FOCKE 1259.

Tropical America.

var. β *triloba* Gürke l. c.

Surinam: HOSTMANN 679a.

Tropical Brazil, British Guyana.

PAVONIA Cav.

Pavonia typhalea Cav. Diss. III. 134.

Paramaribo: KAPPLER 1576; KEGEL 133 (fl. July); WENT 260 (fl. Aug.); and 315 (fl. Aug.)

Para district, near Onoribo: FOCKE 547 (fl. Octob.); near Osembo: FOCKE 605.

Saramacca River, near plant. Vier Hendrikken: WENT 225 (fl. Aug.)

Surinam: FOCKE 267, 441, 304, 305; HOSTMANN 121; HOSTMANN H. L. B. 903, 322—324; SPLITGERBER 56 H. L. B. 905, 237—25 and 26 (fl. Nov.); WULLSCHLÄGEL 30 and 2022 ex Gürke l. c. 484.

All tropical America.

Pavonia speciosa H. B. K. Nov. Gen. et Spec. V 231 t. 477.

var. α . **Hostmanni** (Miq.) Gürke l. c. 495.

Pavonia Hostmanni Miq. Linnaea XXII. 469.

Surinam: HOSTMANN 1288.

Tropical South-America.

Pavonia racemosa Sw. Fl. Ind. Occ. II. 1215.

Lower Surinam River: SPLITGERBER 580 H. L. B. 905, 237—24 (fl. Febr.);

FOCKE 467 (fl. April.)

West-Indies.

Pavonia cancellata Cav. Diss. III. 135.

var. α . **deltoidea** St. Hil. et Naud. Ann. Sc. nat. ser. II. T. XVIII. 41.

Marowynne River: KAPPLER 1693.

Paramaribo: SPLITGERBER 1112 H. L. B. 905, 237—22 (fl. May).

Commewynne River, near plant. Nieuwe Grond: SPLITGERBER 822

H. L. B. 905, 237—23 (fl. April).

Tropical Brazil, Guyana, Columbia.

HIBISCUS Linn.

Hibiscus Rosa sinensis Linn. Spec. 977.

Surinam River, near plant. Voorburg: TULLEKEN 100 H. L. B. 903, 322—1454 (fl. July).

Coronie: TULLEKEN 564 H. L. B. 903, 322—971 (fl. Octob.)

Surinam: SPLITGERBER ex Hb. van Hall. H. L. B. 905, 237—15.

Tropical Asia.

Hibiscus sororius Linn. f. Suppl. 311.

Upper Tapanahoni River: VERSTEEG 740. (fl. Aug.)

Paramaribo: SPLITGERBER 1124 H. L. B. 905, 237—7 named *Hibiscus crenatus* Splitgerb. Mss.; de Vriese Ned. Kruidk. Archief I. 336.

Paulus-kreek: FOCKE 1407 (fl. Sept.)

Tropical Brazil, Cuba.

Hibiscus spathulatus Garcke Botan. Zeit. VII. 840.

Upper Tapanahoni River, near Mount Teeboe: VERSTEEG 786 (fl. Aug.)

Amazon district, British Guyana, Panama.

Hibiscus ingratus Miq. Linnaea XIX. p. 143.

Paramaribo : SPLITGERBER 104 H. L. B. 905, 237—16 (fl. Nov.), named *Hibiscus surinamensis* Splitg. Mss.; de Vriese Ned. Kruidk. Arch. I. p. 336; SPLITGERBER 104a H. L. B. 905, 237—14, named *Hibiscus maximus* Splitg. Mss.; FOCKE 1112; WULLSCHLÄGEL 28.

Lower Surinam River, near plant. Jagtlust : WENT 55.

Surinam : HOSTMANN H. L. B. 903, 322—48, 264; HOSTMANN 496a, 540.

Hibiscus Sabdariffa Linn. Spec. pl. 978.

Saramacca River, near Post Groningen : WENT 250 (fl. Aug.)

Surinam : SPLITGERBER 346 ex de Vriese Ned. Kruidk. Arch. I. p. 335.

Vernacular name : »Surinaamsche Zuring» (Went) or »Roode Zuring» (Splitgerb.)

Tropical America, East-Indies

Hibiscus radiatus Cav. Diss. III. 150 t. 54 fig. 2.

Surinam : WULLSCHLÄGEL 1363 ex Gürke Flora Bras. XII. 3 p. 560.

West-Indian Islands, East India.

Hibiscus bifurcatus Cav. Diss. 146 t. 51 fig. 1.

Lower Marowynne River, near Albina : WENT 447 (fl. Octob.); VERSTEEG 4 (fl. July).

Lower Surinam River, near plant. Jagtlust : SPLITGERBER 414 H. L. B. 905, 237—9 (fl. Dec.); near Poelepantje KEGEL 929.

Paramaribo : KAPPLER 1590; WULLSCHLÄGEL 27 ex Gürke l. c. 561.

Upper Commewyne district : FOCKE 218 (fl. Sept.)

Lower Saramacca River : PULLE 88 (fl. Nov.)

Upper Saramacca River : PULLE 141 (fl. Jan.)

Coronie : TULLEKEN 547 H. L. B. 903, 322—954 (fl. Octob.)

Surinam : WULLSCHLÄGEL 1361 ex Gürke l. c. 561.

Tropical Brazil, British Guyana.

Hibiscus furcellatus Desv. in Lam. Encycl. III, 358.

var. α . **genuinus** Gürke Flora Bras. XII 3 p. 562.

Surinam : WULLSCHLÄGEL 901, 902 and 1362 ex Gürke l. c.

Tropical and sub-tropical America, Sandwich Islands.

Hibiscus varians Splitg. Mss.; de Vriese Ned. Kruidk. Arch. I. p. 338.

Paramaribo : SPLITGERBER 983 H. L. B. 905, 237—5 (fl. May.)

Hibiscus tiliaceus Linn. Spec. pl. 976

Surinam River : SPLITGERBER 335 H. L. B. 905, 237—17 (fl. Dec.);

near Vredenburg-kreek : FOCKE 107 H. L. B. 905, 237—9 (fl. Octob.)

Paramaribo : SPLITGERBER 168 H. L. B. 905, 237—10 (fl. Nov.); FOCKE 403 (fl. Sept.); WULLSCHLÄGEL 25 and 900 ex Gürke l. c. 569.

Surinam : HOSTMANN 331; HOSTMANN H. L. B. 903, 322—155.

Vernacular name: »Maho". (Splitgerb.)

All tropical countries.

Hibiscus esculentus Linn. Spec. pl. 980.

Gonini River: VERSTEEG 137 (fl. Aug.)

Paramaribo: KEGEL 977 (fl. Aug.); FOCKE without number.

Saramacca River, near Groningen: WENT 244 (fl. Aug.)

Surinam: HOSTMANN 955; SPLITGERBER 282 H. L. B. 905, 237—13 (fl. Dec.)

Cultivated, vernacular name: »Okro" or »Okrum".

All tropical countries.

Hibiscus Abelmoschus Linn. Spec. pl. 980.

Paramaribo: NOLTE in herb. Gött.

Surinam River, near plant. Domburg: TULLEKEN 183 H. L. B. 903, 322—1419 (fl. Aug.)

Surinam: SPLITGERBER 569 H. L. B. 905, 237—4 (fl. Febr.); FOCKE 1275; KAPPLER 1694; HOSTMANN H. L. B. 903, 322—214; HOSTMANN 544.

Vernacular name: »Muskus okro" (Splitgerber) or »Jorka okro" (Tulleken).

Tropical South-America.

Hibiscus schizopetalus Hook. f. Botan. Magaz. 6524.

Paramaribo: WENT 533 (fl. Octob.)

Cultivated.

Tropical Africa.

THESPESIA Corr.

Thespesia populnea (L.) Corr. Ann. Mus. Par. IX. 290.

Surinam: SPLITGERBER 476 H. L. B. 905, 237—39 (fl. Jan.); FOCKE 290.

Cultivated.

Tropical Asia and Africa.

GOSSYPIUM Linn.

Gossypium hirsutum Linn. Spec. plant. ed. II. 975.

Surinam: WULLSCHLÄGEL 1364 ex Gürke Flora Bras. XII. 3 p. 582.

All tropical countries

Gossypium barbadense Linn. Spec. pl. ed. I. 693.

Paramaribo: WENT 358 (fl. Sept.)

Surinam River, Commewyne River, Saramacca River ex van Hall, Bulletin No. 2. van den Landbouw in West-Indie pg. 32

Vernacular name »Sea-Island katoen".

All tropical countries

Gossypium religiosum Linn. Syst. nat. ed. II. 462.

Gonini River: VERSTEEG 138 (fl. Aug.)

Upper Tapanahoni River, near Pontoetoe: VERSTEEG 867 (fl. Sept.)

Paramaribo: KEGEL 968 and 969 (fl. Aug.); WENT 330 (fl. Octob.)

Commewyne River: FOCKE 393.

Vernacular name: »Peru-katoen».

Tropical America.

Gossypium pubescens Splitg. Mss.; de Vriese Ned. Kruidk. Archief I.
1848. p. 334.

Paramaribo, cultivated in gardens: SPLITGERBER 985 H. L. B. 905, 237—2
and 3 (fl. May).

BOMBACACEAE.

BOMBAX Linn.

Bombax globosum Aubl. Pl. Guyan. 701 t. 281.

Upper Saramacca River: SPLITGERBER 1060 H. L. B. 905, 237—1 (fl. May).

Surinam: KAPPLER 1641.

Amazon district, French Guyana.

CEIBA Gärtn.

Ceiba pentandra (Linn.) Gärtn. Fr. II. t. 133 fig. I.

Bombax pentandrum Linn. Spec. plant. ed. I. 511.

Eriodendron anfractuosum D. C. Prodr. I. 479.

Upper Tapanahoni River: VERSTEEG 924.

Lower Surinam River, near plant. Jagtlust: WENT 31.

Paramaribo: KEGEL 855 (fl. March); WULLSCHLÄGEL 1694.

Upper Coppename River: BOON 1047 (fl. Aug.)

Surinam: HOSTMANN 970.

Vernacular name: »Kankantrie».

Guyana, West-Indian Islands, East-India and Africa.

PACHIRA Aubl.

Pachira aquatica Aubl. Pl. Guyan. II. 725 t. 292, 291.

Carolinea princeps Linn. f. Suppl. p. 314.

Paramaribo: WULLSCHLÄGEL 36, KAPPLER ed. Hohenack. 1726 (fl. March-Apr.).

Surinam River: SPLITGERBER 285 H. L. B. 905, 237—21 (fl. Dec.-Febr.);

FOCKE 1334; near Joden Savanne: KEGEL 875 (fl. May).

Lower Coppename River: WENT 106 (fl. Aug.)

Upper Coppename River: BOON 1258 (fl. Oct.)

Surinam: NOLTE in Herb. Gött.

Vernacular name: »Bosch-cacao».

Amazon district, Guyana.

QUARARIBEA Aubl.

Quararibea guyanensis Aubl. Plant. Guyan. 692 t. 278.

Gonini River: VERSTEEG 55 (fl. Aug.)

Upper Surinam River, near Bergendal: FOCKE 1299 (fl. May).

Upper Coppename River: BOON 1057 (fl. Aug.)

Paulus-kreek: WULLSCHLÄGEL 37 and 205 ex Schumann Flora Bras.

XII. 3 p. 241.

Surinam: HOSTMANN 68 named *Myrodia multiflora* Steud. Flora 1843
p. 755.

Amazon district, Guyana.

STERCULIACEAE.

MELOCHIA Dill.

Melochia Benthami K. Schum. Flora Bras. XII. 3 p. 40.

Melochia ulmifolia Bth. (non St. Hil. et Naud.).

Marowynne River, near Albina: VERSTEEG 544 (fl. July)

Gonini River: VERSTEEG 96 (fl. Aug.)

Surinam River, near Blauwe Berg: SPLITGERBER 890 H. L. B. 905, 237—70 (fl. May); near Bergendal: FOCKE 929 named *Melochia ramuliflora* Miq. Linnaea XIX p. 132.

Surinam: KEGEL 247; HOSTMANN 226, 1047; WULLSCHLÄGEL 795 ex Schumann l. c.

Amazon district, Guyana.

Melochia lanceolata Bth. in Journ. of Botan. IV. 128.

Para district: SPLITGERBER 1001 H. L. B. 905, 237—67 (fl. May).

Surinam: HOSTMANN 657; HOSTMANN H. L. B. 903, 322—216; WULLSCHLÄGEL 894 ex Schum. l. c. 41.

British Guyana.

Melochia melissifolia Bth. in Journ. of Botan. IV. 129.

Upper Tapanahoni River, near Mount Teeboe: VERSTEEG 787 (fl. Aug.)

Paramaribo, near Poelepantje: KEGEL 305 named by Garcke Linnaea XXII p. 55; *Melochia sparsiflora* Klotzsch Mss.

Para district: SPLITGERBER 1158 H. L. B. 905, 237—69 (fl. March) named: *Riedleia nodiflora* D. C. de Vriese Ned. Kruidk. Arch. I. p. 244; near Post Republiek: TULLEKEN 242 H. L. B. 903, 322—1422.

Lower Saramacca River, near plant. Vierhendrikken: WENT 218 (fl. Aug.)

Upper Coppename River: BOON 1115 (fl. Sept.).

Surinam: KAPPLER 1575, named *Melochia concinna* Miq. Linnaea XXII p. 467; HOSTMANN H. L. B. 903, 322—28; FOCKE 1251.

Amazon district, Guyana, Western-Africa.

Melochia cinerea St. Hil. et Naud. Ann. Scienc. nat. Ser. II. t. XVIII p. 35.

Surinam: WULLSCHLÄGEL ex Schumann l. c. 44.

Tropical Brazil, British Guyana.

Melochia hirsuta Cav. Dissert. VI. 320 t. 175 f. 1.

Surinam: FOCKE 994 named *Melochia vestita* Bth.

Tropical South-America.

Melochla hypoleuca Miq. Linnaea XXII p. 468.

Para district, near plant. la Prospérité: FOCKE 983 (fl. Sept.)

WALTHERIA Linn

Waltheria americana Linn. Spec. plant. ed. I. 673.

Marowyne River, near Galibi: WENT 422 (fl. Octob.); near Albina: VERSTEEG 541 (fl. July).

Tapanahoni River, near Drie-Tabbetje: VERSTEEG 660 (fl. July.)

Lower Surinam River: KAPPLER ed. Hohenacker 1859 (fl. April) named by Miquel: *Waltheria paniculata* Bth. (?) in sched.; near plant. Jagt-lust: SPLITGERBER 389 H. L. B. 905, 237—73 (fl. Dec.).

Paramaribo: WENT 265 (fl. Aug.); near Orellana-kreek: FOCKE 695 and FOCKE 121 H. L. B. 903, 237—74.

Para district, near plant. Hannover: SPLITGERBER 1014 (fl. March) H. L. B. 905, 237—76; near plant. Berlijn: WENT 372 (fl. Sept.)

Surinam River, near Joden Savanne: KEGEL 1110 (fl. Nov.); TULLEKEN 165 H. L. B. 903, 322—1249 (fl. July).

Upper Coppename River: BOON 1160 (fl. Sept.).

Surinam: HOSTMANN 190; Dr. VOLTZ without number; WEIGELT; WULL-SCHLÄGEL 38 ex Schum. l. c. 65.

Vernacular name: »Malva", »Kamferblad" or »Soldatenthee".

Brazil and Guyana.

THEOBROMA Linn.

Theobroma Cacao Linn. Spec. plant. ed. I. 782.

Paramaribo: KEGEL 181; SPLITGERBER 1097 H. L. B. 905, 237—72.

All tropical America.

GUAZUMA Plum.

Guazuma ulmifolia Lam. Encycl. III. 52.

Upper Surinam River, near Blauwe Berg: SPLITGERBER 933 (fl. May) ex de Vriese Ned. Kruidk. Arch. I. (1848) p. 243.

All tropical America.

HELICTERES Linn.

Helicteres pentandra Linn. Mantissa II. 294.

Marowyne River, near Albina: WENT 432. (fl. Octob.); VERSTEEG 35 (fl. July).

Tapanahoni River, near Drie-Tabbetje: VERSTEEG 675 (fl. July).

Surinam River, near Blauwe Berg: SPLITGERBER 932 H. L. B. 905, 237—63, 64, 65 and 66.

Surinam: FOCKE 928 named *Helicteres bracteosa* Mart.; HOSTMANN and KAPPLER 361; HOSTMANN 240; WULLSCHLÄGEL 1367.

Amazon district, French Guyana.

STERCULIA Linn.

***Sterculia pruriens* (Aubl.) K. Schum.** Flora Bras. XII. 3 p. 8.

Ivira pruriens Aubl. Plant. Guyan. II. 695 t. 279.

Para district: KAPPLER ed. Hohenacker 1253 (fl. Dec.) named *Sterculia Ivira* Sw.

Surinam: HOSTMANN without number.
Guyana.

***Sterculia excelsa* Mart.** Beibl. zur Flora XXIV. p. 40.

Surinam: HOSTMANN 1110 named *Sterculia villifera* Steud. Flora 1843 p. 755.

Brazil, Guyana.

COLA Schott.

***Cola acuminata* R. Br.** Plant. Jav. 237.

Lower Surinam River (Plant. Jagtlust): WENT 47 (fl. Aug.)

Cultivated.

Tropical Africa.

DILLENIACEAE.

TETRACERA Linn.

Tetracera surinamensis Miq. Linnaea XVIII 265 ; Stirp. Surin. Select. 107 t. 33.

Cottica River: FOCKE 694 (fl. Octob.); FOCKE 120 H. L. B. 902, 111—448 (fl. Octob.) named by Splitgerber: *Davilla flexuosa* St. Hil. s. de Vriese, Ned. Kruidk. Archief I. p. 263.

Tetracera aspera (Aubl.) Willd. Spec. II. 1241.

Tigarea aspera Aubl. Plant. Guyan. II. 918 t. 350.

Paramaribo: SPLITGERBER 607 H. L. B. 902, 111—283 (fl. Febr.)

Surinam: WULLSCHLÄGEL ex Eichler Flora Bras. XIII 1 p. 94.

French Guyana.

Tetracera costata Mart. Mss. Eichl. Flora Bras. XIII. 1 p. 86.

Paramaribo: WULLSCHLÄGEL ex Eichler l. c.

Tetracera rotundifolia Smith in Rees Cycl. vol. 35.

Saramacca River, near Maripaston: KEGEL 1311.

Surinam: HOSTMANN 1005 named *Tetracera asperula* Miq. Linnaea XIX p. 133.

Tropical Brazil, French Guyana.

Tetracera ovalifolia D. C. Prodr. I. 68.

Surinam River, near Joden Savanne: KEGEL 1156 (fl. Nov.)

Trinidad, French Guyana.

DAVILLA Vell.

Davilla rugosa Poir. Encycl. Suppl. II. 457.

Marowynne River: KAPPLER ed. Hohenack. 1711 (fl. March), named:

Davilla pilosa Miq. Linnaea XIX 134.

Para district, near Onoribo: FOCKE 873 named *Davilla surinamensis* Miq. Linnaea XVIII p. 611.

Surinam River, near Bergendal: FOCKE 873.

Surinam: FOCKE H. L. B. 902, 111—75.

Tropical South-America

Davilla lucida Presl. Reliq. Hänk. II. 73.

Paramaribo: SPLITGERBER 503 H. L. B. 902, 111—67 and 68 named *Davilla asperrima Splitg.* Tydschr. Nat. Geschied. en Phys. IX. p. 95; near Poelpantje: KEGEL 690 named by Garcke, Linnaea XXII p. 47: *Davilla elliptica St. Hil.*

Surinam: WULLSCHLÄGEL ex Eichl. l. c. 105.

Tropical South-America.

CURATELLA Linn.

Curatella americana Linn. Spec. plant. 248.

Para district, in savannahs: FOCKE 971.

Surinam River, near Blauwe Berg: SPLITGERBER 1175 H. L. B. 902, 111—59 (fl. May.)

Surinam: KAPPLER ed. Hohenacker 1714.

Vernacular name: »Wilde cachou" or »Bosch-cachou".

Tropical and sub-tropical South-America.

DOLIOCARPUS Rolander.

Doliocarpus dentosus Mart. in Flora XXIV. App. II. 65.

Tapanahoni River, near Drie-Tabbetje: VERSTEEG 725 (fl. Aug.)

Paramaribo, near Laan van Tourtonne: FOCKE 814 (fl. Sept.); KEGEL 122 and 374 (fl. July.)

Surinam River, near plant. Merveille: SPLITGERBER 540 H. L. B. 902, 111—155 (fl. Jan.) named *Doliocarpus Rolandri Gmel.*

Surinam: HOSTMANN 537; KAPPLER (coll. 1861) H. L. B. 903, 322—402 named *Doliocarpus spinulifer Mig.* Linnaea XVIII p. 266.

Tropical Brazil.

Doliocarpus Rolandri Gmel. Syst. 805.

Paramaribo: KEGEL 191 and 457 (fl. July-Aug.) named *Doliocarpus semidentatus Garcke* Linnaea XXII p. 48.

Surinam: HOSTMANN 701a, 707 and 1237 named *Delima dasyphylla Mig.* Stirp. Surin. Select. p. 107.

Tropical Brazil, Guyana.

Doliocarpus scandens (Aubl.) Gilg. Natürl. Pflanzenfam. III. 6 p. 114.

Calinea scandens Aubl. Plant. Guyan. I. 556 t. 221.

Marowynne River; KAPPLER ed. Hohenacker 1724 (fl. March) named by Miquel: *Doliocarpus Calinea Gmel.*

Surinam: HOSTMANN.

Amazon district, French Guyana.

Doliocarpus brevipedicellatus Garcke *Linnaea* XXII p. 47.

Surinam River, near Joden Savanne: KEGEL 1186 (fl. Nov.); near plant.

Merveille: SPLITGERBER 540 H. L. B. 902, 111—161 named by Splitgerber: *Doliocarpus Rolandri* Gmel.

Amazon district.

OCHNACEAE.

OURATEA Aubl.

Ouratea guyanensis Aubl. Plant. Guyan. l. t. 152.

Upper Gonini River: VERSTEEG 242 (fl. Sept.).

Lawa River, near Cottica Mountains: VERSTEEG 306 (fl. Octob.).

Surinam: KAPPLER ed. Hohenacker 1337; KAPPLER (coll. 1861) H. L. B.

903, 322—398.

Amazon district, French Guyana, Jamaica.

Ouratea subscandens (Planch.) Engl. Flora Bras. XII. 2 p. 322.

Gomphia subscandens Planch. Ann. Sc. nat. ser. 4. XVIII p. 14

var. **surinamensis (Planch.) Engl.** l. c. 323.

Gomphia surinamensis Planch. l. c. 13.

Surinam: HOSTMANN 1215.

French Guyana.

Ouratea Spruceana Engl. Flora Bras. XII. 2 p. 337.

Upper Saramacca River: PULLE 435 (fl. Jan.)

Amazon district.

Ouratea isophylla (Garcke) Pulle.

Gomphia isophylla Garcke Linnæa XXII p. 57.

Saramacca River, near Maripaston: KEGEL 1291 (fl. May).

ELVASIA D. C.

Elvasia Hostmannia Planch. in Hook. Lond. Journ. V. 648.

Hostmannia elvasioides Planch. in Hook. Icon. Pl. t. 709.

Marowynne River: KAPPLER ed. Hohenacker 1725 (fl. March.)

Surinam: HOSTMANN 271; KEGEL 274.

French Guyana.

SAUVAGESIA Linn.

Sauvagesia Sprengelii St. Hil. Mém. Mus. XI. 99.

Para district, near plant. l'Inquiétude: FOCKE 1025 (fl. Sept.); near

plant. Berlijn: SPLITGERBER 735 H. L. B. 905, 268—54 (fl. March.)

Saramacca River, near Saron: KEGEL 1273 (fl. May.)

Surinam: HOSTMANN 630a, named *Sauvagesia Kappleri* Miq. Stirp Surin.

Select. 105; WULLSCHLÄGEL ex Eichler Flora Bras. XIII. 1 p. 408.

Tropical Brazil, Guyana.

***Sauvagesia erecta* Linn.** Spec. plant. Ed. I. p. 203.

Lower Marowynne River, near Albina: VERSTEEG 22 (fl. July); WENT 483a (fl. Octob.)

Tapanahoni River: VERSTEEG 734 (fl. Aug.)

Paramaribo: KEGEL 156 (fl. July); TULLEKEN 118 H. L. B. 903, 322—1472 (fl. Aug.).

Para district: FOCKE 156 (fl. March) named by Miquel: *Sauvagesia Adima* Aubl.

Upper Saramacca River: PULLE 427 (fl. Jan.)

Upper Coppename River: BOON 1143 (fl. Sept.) and 1197 (fl. Sept.)

Upper Nickerie River, near Blanche Marie falls: TULLEKEN 337 H. L. B. 903, 322—1067; TULLEKEN 339 H. L. B. 903, 322—1070 (fl. Sept.);

TULLEKEN 370 and 371 H. L. B. 903, 322—1108 and 1109 (fl. Sept.)
Surinam: HOSTMANN 631; DUMORTIER without number; SPLITGERBER 153 H. L. B. 905, 268—49 (fl. Nov.).

All tropical countries.

var. β ***rubiginosa* (St. Hil.) Eichler** Flora Bras. XIII. 1 p. 409.

Sauvagesia rubiginosa St. Hil. Mém. Mus. XI. 99.

Upper Nickerie River: TULLEKEN 223 H. L. B. 903, 322—1147 (fl. Aug.)

Surinam: KAPPLER 1425 named *Sauvagesia surinamensis* Miq. in sched.
Tropical Brazil, Venezuela, Guyana.

***Sauvagesia ramosissima* Spruce** Mss. ex Eichl. Flora Bras. XIII. 1 p. 409.

Upper Tapanahoni River: VERSTEEG 768 (fl. Aug.)

Amazon district, Guyana.

CARYOCARACEAE.

CARYOCAR Linn.

Caryocar glabrum (Aubl.) Pers. Ench. II. p. 84.

Saouari glabra Aubl. Plant. Guyan. I. 599 t. 240.

Para district, near Onoribo: SPLITGERBER 766 (fl. March).

var. β . **edule** (Casaretto) Wittm. Flora Bras. XII. 1 p. 349.

Caryocar edule Casaretto Dec. nov. stirp. Bras. VIII p. 67.

Paramaribo: WULLSCHLÄGEL 1688 ex Wittm. l. c.

Vernacular name: "Ningre notto".

Tropical Brazil, Guyana, West-Indies.

M A R C G R A V I A C E A E.

MARCGRAVIA Linn.

Marcgravia coriacea Vahl. Eclog. II. 39.

Gonini River: VERSTEEG 244 (fl. Sept.)

Upper Tapanahoni River: VERSTEEG 912 (fl. Octob.)

Cottica River: FOCKE 718 named *Marcgravia acuminata* Miq. Ann
Scienc. nat. II. sér. I. 37.

Upper Saramacca River, near Janbasigado: PULLE 189 (fl. Jan.)

Surinam: HOSTMANN H. L. B. 903, 322—347.

Caraiban name: »Katjoesi anjalali" (Tigerfingers).

Tropical Brazil, French Guyana.

NORANTEA Aubl.

Norantea guyanensis Aubl. Plant. Guyan. I. 554 t. 220.

Marowyne River: KAPPLER ed. Hohenacker 1883 (fl. July).

Lawa River: VERSTEEG 452 (fl. Dec.)

Commewyne River: KAPPLER without number.

Lower Saramacca River, near plant. Vier Hendrikken: KEGEL 1490.
(fl. July).

Upper Saramacca River, near Janbasigado: PULLE 180 (fl. Jan.)

Surinam: KAPPLER 1791; WULLSCHLÄGEL 1307 ex Wittmack, Flora
Bras. XII. 1 p 242.

Vernacular name: Karagalla" (Kappler).

Amazon district, Guyana, Trinidad.

SOUROUBEA Aubl.

Souroubea guyanensis Aubl. Plant. Guyan. I. 244 t. 97.

Lower Marowyne River, near Albina: WENT 482 (fl. Octob.)

Gonini River: VERSTEEG 146 (fl. Aug.)

Tapanahoni River, near Mount Teeboe: VERSTEEG 779 (fl. Aug.)

Cottica River, near Post Oranjewoud: FOCKE 706, named *Ruyschia
lepidota* Miq. Tijdschr. Nat. Geschied. en Phys. X. p. 83; Linnaea
XVIII p. 235 and Stirp. Surin. Select. 94 t. 27.

Surinam River, near Cassepoera-kreek: KEGEL 1170 (fl. Nov.)

Para district: FOCKE 396 (fl. Sept.)

Saramacca River: SPLITGERBER 1058 H. L. B. 905, 268—38 (fl. Jan.)

Lower Coppename River: WENT 133 (fl. Aug.)

Surinam: HOSTMANN and KAPPLER 1670; HOSTMANN 79 and 815*a*;

WULLSCHLÄGEL 809; HOSTMANN H. L. B. 903, 322—314.

Tropical South-America.

QUIINACEAE.

QUIINA Aubl.

Quiina crenata Tul. in Ann. Sc. nat. ser. 3 T. XI. 156.

Surinam: HOSTMANN 1282.

French Guyana

THEACEAE.

HAEMOCHARIS Salisb.

Haemocharis semiserrata Mart. Nov. Gen. et Spec. I. 107.

var. α **communis** W. de Fernsee Flora Bras. XII. 1 p. 289.

Surinam River: HOSTMANN and KAPPLER ed. Hohenacker 1287 named
Laplacea semiserrata St. Hil.

Commewyne River, near plant. Waiampibo: SPLITGERBER 498 named
Laplacea praemorsa Splitg. in Tijdschrift Nat. Geschied. en Phys.
IX. p. 100.

Surinam: HOSTMANN 1287.

Brazil, Columbia.

TERNSTRÖMIA Nutt.

Ternströmia punctata (Aubl.) Sw. Prodr. 81.

var. **revoluta** (Splitg.) Fernsee Flora Bras. XII 1 p. 271.

Ternströmia revoluta Splitg. Tijdschr. Nat. Geschied. en Phys. IX p. 99.

Surinam River, near Joden-Savanne: SPLITGERBER 863; KEGEL 1142
(fl. Nov.)

Surinam: FOCKE 229; Dr. VOLTZ without number.

Ternströmia deliculata Choisy Mém. Ternstr. 18.

Wane-kreek: KAPPLER ed. Hohenacker 1967, named *Ternströmia Kapp-
leriana* Miq. in sch.

Commewyne River: KAPPLER without number.

Tropical Brazil, French Guyana.

GUTTIFERAE.

CARAIPA Aubl.

Caraipa Richardiana Camb. in Mém. Mus. XVI. 414 t. 8.

Marowyne River: KAPPLER ed. Hohenacker 1914 (fl. Aug.)

Surinam River, near Blauwe Berg: SPLITGERBER 919 H. L. B. 905, 268
—29 (fl. May).

Vernacular name: »Matakie hout» (Splitgerber).

Amazon district, Guyana.

VISMIA Vell.

Vismia cayennensis (L.) Pers. Syn. II. 86.

Hypericum cayennense L. Mant. II. 277.

Lower Marowyne River, near Albina: WENT 471 (fl. Octob.)

Lawa River: VERSTEEG 405 (fl. Dec.)

Tapanahoni River: VERSTEEG 624 (fl. Aug.)

Paramaribo: KEGEL 381 (fl. July.)

Lower Surinam River, near plant. Geyersvlyt: KEGEL 838 (fl. March);
KAPPLER ed. Hohenacker 1823 (fl. Apr.), named: *Vismia ramuliflora*
Miq. Stirp. Surin. Select. p. 88.

Saramacca River, near Maripaston: KEGEL 1335 (fl. May).

Lower Coppename River: WENT 140 (fl. Aug.)

Upper Coppename River: BOON 1078 and 1093 (fl. Aug.)

Surinam: KAPPLER 1722; HOSTMANN 438; HOSTMANN H. L. B. 903, 322
—70 and 259; KAPPLER (coll. 1861) H. L. B. 903, 322—374 and 371;

WULLSCHLÄGEL 748 and 1696 ex Reichardt Flora Bras. XII. 1 p. 200.

Vernacular name: »Pinja hoedoe» (Versteeg, Boon).

West-Indies, Tropical Brazil, Guyana.

Vismia guyanensis (Aubl.) Choisy Prodr. Mon. Hyp. p. 34.

Hypericum guyanense Aubl. Plant. Guyan. II. 784 t. 311.

Upper Saramacca River, near Jakob-kondre: PULLE 124 (fl. Dec.)

Surinam: HOSTMANN 1249.

Tropical Brazil, Guyana.

Vismia baccifera (Linn. f.) Reichardt Flora Bras. XII. 1. p. 204.

Hypericum bacciferum Linn. f. Suppl. 344.

Surinam: WULLSCHLÄGEL ex Reich. l. c. 205.

Tropical Brazil.

Vismia latifolia (Aubl.) Choisy Prodr. Mon. Hyp. 36.

Hypericum latifolium Aubl. Plant Guyan. II. 787 t. 312

Para district, near Osembo: FOCKE 582 named *Vismia angusta* Miq.

Linnaea XVIII p. 72; near Santigron; WENT 212 (fl. Aug.)

Surinam River, near Jodensavanne: KEGEL 1138 (fl. Nov.), named *Vismia juglandifolia* Kze.

Surinam: HOSTMANN 162.

Amazon district, Guyana.

MAMMEA Linn.

Mammea americana Linn. Spec. plant. ed. I. p. 512.

Lower Surinam River, near plant. Geyersvlyt: KEGEL 866 (fl. April);

TULLEKEN 95 H. L. B. 903, 322—1374 (fl. July).

Paramaribo: SPLITGERBER 46 H. L. B. 904, 8—277, 278, 279 (fl. Nov.)

FOCKE 821; WULLSCHLÄGEL 44 ex Engler Flora Bras. XII. 1 p. 396.

Surinam: HOSTMANN 903, 322—119.

Vernacular name: »Mammi».

West-Indies, Guyana, cultivated in Brazil.

CLUSIA Linn.

Clusia Fockeana Miq. in Tijdschr. Nat. Geschied. en Phys. X. p. 82,
Linnaea XVIII p. 233.

Androstylium Fockeanum Miq. Stirp. Surin. Select, p. 93.

Surinam River, near Joden Savanne: KEGEL 1152 (fl. Nov.)

Para district, near plant. l'Inquiétude: FOCKE 444 (fl. Sept.) and FOCKE
344 H. L. B. 903, 343—296; near Kompas: WENT 395 (fl. Sept.)

Surinam: HOSTMANN 811; KAPPLER 1705.

Clusia purpurea (Splitg.) Engler Flora Bras. XII. 1 p. 416.

Arrudea purpurea Splitg. Tydschr. Nat. Geschied. en Phys. IX. p. 102;

Miquel Linnaea XVIII p. 229

Commewyne district, near Matappica: FOCKE 262.

Paramaribo: KEGEL 1029 and 1044 (fl. Nov.)

Upper Saramacca River, near Lawalifalls: PULLE 481 (fl. March).

Surinam: KAPPLER 1704; SPLITGERBER 118 H. L. B. 903, 343—291.

Clusia nemorosa G. F. W. Meyer Prim. Fl. Esseq. 203.

Gonini River: VERSTEEG 217 (fl. Sept.)

Upper Commewyne district: FOCKE 217 (fl. Aug.)

Paramaribo: SPLITGERBER 137 H. L. B. 903, 343—306 (fl. Nov.)

Para district, near Onoribo: FOCKE 1030 (fl. Sept.)

Surinam River, near Jodensavanne: TULLEKEN 172 H. L. B. 903, 322—1420 (fl. Aug.)

Upper Coppename River: BOON 1145 (fl. Sept.)

Surinam: KEGEL 408; HOSTMANN 318, 394 in Hb. Kew; 590 and 1207 in herb. D. C.; HOSTMANN H. L. B. 903, 322—263; WULLSCHLÄGEL 43, 1374—1378 ex Engler Flora Bras. XII. 1 p. 422.

Vernacular name: »Boschmammi" (Focke) and »Kienboto" (Versteeg.)

Tropical Brazil, Guyana.

Clusia grandiflora Splitg. in Tydschr. Nat. Geschied. en Phys. IX. p. 101; Miq. Stirp. Surin. Select. t. 25 and 26.

Litanie River: VERSTEEG 433 (fl. Dec.)

Gonini River: VERSTEEG 237 (fl. Sept.)

Paramaribo: HOSTMANN H. L. B. 903, 343—302 (fl. Dec.)

Surinam River, near Joden Savanne: KEGEL without number; near Blauwe Berg: SPLITGERBER 207 H. L. B. 903, 343—297 (fl. May); near Bergendal: FOCKE 942 (fl. Sept.)

Upper Coppename River: BOON 1087 (fl. Aug.)

Surinam: HOSTMANN 572; KAPPLER 1698; WULLSCHLÄGEL 1379 ex Engler l. c. 423.

Vernacular name: »Abrasa" (Versteeg) or »Pimpin" (Boon).
Guyana.

Clusia palmicida L. C. Rich. Ann. Mus. 1811 tab. 11.

Tapanahoni River: VERSTEEG 559 (fl. July).

Guyana.

Clusia Pana-panare (Aubl.) Choisy Mém. Soc. Linn. Par. et in D. C. Prodr. 1. 559.

Quapoya Pana-panari Aubl. Plant. Guyan. p. 900 t. 344.

Tapanahoni River: VERSTEEG 799 and 822 (fl. Sept.)

Gonini River: VERSTEEG 204 (fl. Sept.)

Paramaribo, near Kwatta: FOCKE 1381 (fl. June).

Para district, near Osembo: FOCKE 595 (fl. Apr.) named *Quapoya surinamensis* Miq. Stirp. Surin. Select. p. 92.

Surinam: HOSTMANN 259, 679, HOSTMANN H. L. B. 903, 322—332; SPLITGERBER 477 H. L. B. 904, 8—364 (fl. Jan.) named *Renggeria guyanensis* Splitg. Tydschr. Nat. Geschied. en Phys. IX. p. 104.

Guyana.

TOVOMITA Aubl.

Tovomita obovata Engler Flora Bras. XII. 1 p. 452.

Para district, near Koffiedjampo: VERSTEEG 526 (fl. June).

British Guyana.

RHÆDIA Linn.

Rheedia macrophylla (Mart.) Planch. et Triana Ann. Sc. nat. 4me serie. XIV. p. 309.

Garcinia macrophylla Mart. Beibl. zur Flora XXIV. 2 p. 33.

Surinam: HOSTMANN and KAPPLER 587a.

Amazon district, Guyana.

Rheedia floribunda (Miq.) Planch. et Triana Ann. Scienc. nat 4me ser. XIV. p. 319.

Garcinia floribunda Miq. Stirp. Surin. Select. 89.

Surinam, near plant. Ponthieu: FOCKE 1356 (fl. Octob.); KAPPLER 593a.

Amazon district.

SYMPHONIA Linn. f.

Symphonia globulifera Linn. f. Suppl. 302.

Marowyne River: KAPPLER ed Hohenack. 1882 (fl. Aug.)

Lower Surinam River: KAPPLER ed. Hohenack. 1881 (fl. Sept.)

Commewyne River, near plant. Marienburg: WENT 267 (fl. Aug.)

Surinam: HOSTMANN 806; HOSTMANN H. L. B. 903, 322-304.

Vernacular name: »Mane" (Kappler).

Tropical America and Africa.

BIXACEAE.

BIXA Linn.

Bixa Orellana Linn. Spec. Plant. 730.

Lawa River: VERSTEEG 112 (fl. Aug.)

Upper Tapanahoni River: VERSTEEG 869 (fl. Sept.)

Paramaribo: SPLITGERBER 138 H. L. B. 898, 269-154 (fl. Nov.); KEGEL
1020 (fl. Sept.); WENT 546 (fl. Nov.); FOCKE 261 (fl. Octob.)

Surinam River, near Bergendal: FOCKE 375 (fl. Sept.)

Saramacca River, near Santigron: WENT 193 (fl. Aug.)

Vernacular name: »Roucou" or »Koesoewee".

Tropical America; cultivated in all tropical countries.

COCHLOSPERMACEAE.

COCHLOSPERMUM Kunth.

Cochlospermum paviaeifolium Planch. in Hook. Lond. Journ. of Bot.

VI. p. 310.

Surinam ex Planchon l. c.

Cochlospermum Wentii Pulle nova spec.

Rami brunnei vel nigricantes, foliis dense obtekti Folia digitata longissime petiolata, bistipulata, stipulis linearibus mox deciduis, petiolo sulcato, foliolis sessilibus junioribus tomentosis, adultis glabris, basi cuneatis, apice acuminatis et brevissime mucronatis. Inflorescentia paniculata terminalis, breviter rufo-velutina. Flores magni, sepalis imbricatis ovatis obtusis, 2 exterioribus minoribus, extus breviter rufo-tomentosis, intus glabris; petalis praefloratione convoluta glabris, flavis, basi cuneatis bilobatis, lobis inaequalibus obtusis; staminibus inaequalibus in uno latere floris majoribus quam in altero latere; filamentis liberis, glabris, antheris linearibus, curvatis, basifixis, apice obtusis et poris 2 dehiscentibus; ovario tomentoso, obtuse trigono, perfecte trilocularis, loculis multiovulatis; stylo elongato, versus apicem recurvato, stigmatibus obtusis. Fructus oblongo-pyramidatus capsularis extus brevissime velutinus trilocularis loculicidus, endocarpio ab epicarpio secedente, valvis capsulae exterioris cum iis capsulae interioris alternantibus. Semina plura in quovis loculo, valde cochleata, nigra, testa dura verruculosa, lana dilute rosea tecta.

Arbor 10—15 metralis, ligno molli, floribus praecocibus. Petiolus 12—20 cm longus, foliola ad 7, 5—9 cm. longa, 15—3 cm. lata, venae laterales utrinque 15. Panicula 10 cm longa, 16 cm. lata. Flores 8 cm. lati, sepalis minoribus 13 mm. longis, majoribus 17 mm. longis, 1 cm. latis. Petala 3,5—4 cm. longa, 3,5 cm. lata. Stamina majora 16 mm. longa, minora 11 mm. longa, antheris 4 mm. longis. Stylus 1 cm. longus. Fructus 7,5 cm. longus, 3 cm. latus. Semina cum lana 12 mm metientia.

Pl. XIII.

Upper Tapanahoni River: VERSTEEG 737 (fl. Aug.)

Upper Litanie River: VERSTEEG without number (fr. Dec.)



Lith. noten del.

Lith. forma F.W.M. Iray

Cecchlospermum Wentii Pulle.

Vernacular name: »Njoe fodoe».

This species as well in its habit as in the shape of its seeds completely resembles a *Cochlospermum* and is probably most closely related to *Cochlospermum paviaefolium* Planch. But the flowers entirely agree with those of the genus *Amoreuxia*, as well in the ovary being perfectly trilocular, as by the fact that the stamens are here also considerably longer at one side of the flower than at the other. Without doubt we have here an intermediate form between the genera *Amoreuxia* and *Cochlospermum*.

VIOLACEAE.

PAYPAYROLA Aubl.

Paypayrola guyanensis Aubl. Plant. Guyan. I. 249 t. 99.

Marowynne River: KAPPLER coll. 1861) H. L. B. 903, 322 516.

Gonini River: VERSTEEG 202 (fl. Sept.)

Tapanahoni River: VERSTEEG 873 (fl. Sept.)

Surinam: KAPPLER 1331, named by Miquel: *Periclistia longifolia* Bth.;

FOCKE 1037 and 1222; WULLSCHLÄGEL ex Eichler Flora Bras. XIII.

I p. 378.

Amazon district, Guyana.

AMPHIRROX Spreng.

Amphirrox surinamensis (Miq.) Eichl. Flora Bras. XIII. I p. 377.

Hybanthus surinamensis Miq. Linnaea XVIII p. 738.

Lower Saramacca River, near Maripaston: KEGEL 1338 (fl. May); near

Anjoemara-mongo: PULLE 79 (fl. Nov.).

Surinam: KAPPLER 1345; WULLSCHLÄGEL ex Eichl. l. c. 377.

Amazon district, French Guyana.

ALSODEIA Thou. (*Rinorea* Aubl.)

Alsodeia flavescens (Aubl.) Spreng. Syst. I. 806.

Cenohoria flavescens Aubl. Pl. Guyan. I. 239 t. 95.

Rinorea flavescens (Aubl.) O. Kze. Revis. gen. plant.

Litanie River: VERSTEEG 439 (fl. Nov.)

Gonini River: VERSTEEG 77 (fl. Aug.) and 256 (fl. Octob.)

Paramaribo, near plant. Kwatta: KEGEL 1245 (fl. Jan.).

Surinam River, near Blauwe Berg: SPLITGERBER 759 H. L. B. 905, 268
—43 (fl. March).

Para district: HOSTMANN and KAPPLER ed. Hohenacker 1144.

Lower Saramacca River: PULLE 60 (fl. Nov.)

Upper Nickerie River: TULLEKEN 324 H. L. B. 903, 322—1056, TULLEKEN
330 H. L. B. 903, 322—1061; TULLEKEN 344 H. L. B. 903, 322—1051
and 1232; TULLEKEN 467 H. L. B. 903, 322—1555 (fl. Sept.)

Surinam: NOLTE in hb. Götting; WULLSCHLÄGEL ex Eichl. l. c. 386.
Amazon district, Guyana, Peru.

Alsodeia guyanensis (Aubl.) Eichl. Flora Bras. XIII. 1 p. 387.

Passoura guyanensis Aubl. Pl. Guyan. II. Suppl. 21 t. 380.

Marowyne River: KAPPLER (coll. 1861) 2110 named by Grisebach:
Alsodeia brevipes Bth; KAPPLER (coll. 1861) H. L. B. 903, 322—484
and 488; VERSTEEG 592 (fl. July).

Para district, near Beekhuizen: KEGEL 645 (fl. Sept.)

Surinam River, near Cassepoerakreek: KEGEL 645 (fl. Nov.); near
Blauwe Berg: SPLITGERBER 878 H. L. B. 905, 268—48 (fl. May).

Coppename River: BOON 1017 and 1183 (fl. Aug.-Sept.)

Nickerie River: TULLEKEN 525 H. L. B. 903, 322—934 (fl. Octob.)

Surinam: HOSTMANN and KAPPLER 1126 and 1130; HOSTMANN 243;
WULLSCHLÄGEL ex Eichl. l. c.

Tropical America.

var. ♂ **parviflora** Eichl. l. c.

Lawa River: KAPPLER (coll. 1861) 2111.

CALYPTRION Ging.

Calypttrion excelsum (Willd.) Taub. Natürl. Pflanzenfam. III. 6 p. 332.

Viola excelsa Willd. ex Röm. Schult. Syst. V. p. 391.

Marowyne River: KAPPLER (coll. 1861) H. L. B. 903, 322—428.

Tapanahoni River: VERSTEEG 706 (fl. July.)

Paramaribo, near plant. Kwatta: KEGEL 296 (fl. May); SPLITGERBER 190
H. L. B. 905, 268—47 (fl. Nov.)

Surinam River, near Bergendal: FOCKE 1265.

Coppename River: BOON 1063, 1072, 1253 (fl. Aug.-Oct.)

Nickerie River: TULLEKEN 430 H. L. B. 903, 322—1557 (fl. Sept.);
TULLEKEN 500 H. L. B. 903, 322—1238 (fl. Sept.)

Surinam: HOSTMANN and KAPPLER 139 named *Calypttrion Aubletii* D. C.;
HOSTMANN H. L. B. 903, 322—336.

Northern Brazil, Guyana, Venezuela.

HYBANTHUS Jacq.

Hybanthus lpecacuanha (Linn.) Taub. Natürl. Pflanzenfam. III. 6 p. 333.

Viola lpecacuanha Linn. Mant. 484.

Surinam River: HOSTMANN and KAPPLER cd. Hohenack. 1291 (fl. Dec.)
named by Steudel: *Pombalia Itubu* Ging.

Tropical South-America.

Hybanthus oppositifolius (Linn.) Taub. Natürl. Pflanzenfam. III. 6 p. 333.

Viola oppositifolia Linn. Spec. plant. 1327.

Marowyne River: KAPPLER (coll. 1861) H. L. B. 903, 322—448.

Litanie River: VERSTEEG 358 (fl. Nov.)

Tapanahoni River: VERSTEEG 641 (fl. July).

Surinam River, near Station Victoria: KAPPLER ed. Hohenack. 1917
(fl. Apr.) named by Miquel: *Fonidium viscidulum* H. B. K.

Paramaribo: FOCKE 47.

Upper Nickerie River: TULLEKEN 523 H. L. B. 903, 322—932 (fl. Oct.)

Surinam: FOCKE 345.

NOISETTIA H. B. K.

Noisettia orchidiflora (Rudge) Ging. in D. C. Prodr. I. 290.

Viola orchidiflora Rudge Plant. Guyan. I. 11 t. 10.

Lawa River, near Cottica Mountains: VERSTEEG 321 (fl. Octob.)

Upper Saramacca River: PULLE 221 (fl. March).

Brazil, Peru, Guyana.

FLACOURTIACEAE.

CARPOTROCHE Endl.

Carpotroche longifolia (Pöpp. et Endl.) Bth. Journ. Linn. Soc. V. App. II. 82.

Mayna longifolia Pöpp. et Endl. Nov. Gen. et Spec. III. 64. t. 271.

Upper Litanie River, near Knopaiamoi: VERSTEEG 387 (fl. Dec.)

Amazon district, Eastern Peru.

BANARA Aubl.

Banara guyanensis Aubl. Plant. Guyan. I. 548 t. 217.

Commewyne district, near plant. Ponthieu: FOCKE 1359 (fl. Octob.).

Surinam River, near plant. Jagtlust: SPLITGERBER 415 H. L. B. 905, 268—13 (fl. Dec.)

Para district: HOSTMANN and KAPPLER 495 (fl. Aug.) named by Steud.

Xyladenius glandulosus Desv.; near Beekhuizen: KEGEL 942 (fl. July.)

Surinam: HOSTMANN 495; WULLSCHLÄGEL ex Eichler Flora Bras. XIII.

I p. 501.

Tropical South-America.

HOMALIUM Jacq.

Homalium guyanense (Aubl.) Warb. Natürl. Pflanzenfam. III. 6a. p. 36,

Racoubea guyanensis Aubl. Plant. Guyan. II. 590 t. 236.

Lawa River: KAPPLER (coll. 1861) 2149; KAPPLER H. L. B. 903, 322—474 and 518.

Upper Litanie River: VERSTEEG 395 (fl. Dec.)

Gonini River: VERSTEEG 209 (fl. Aug.)

Surinam River, near Bergendal: FOCKE 1292 (fl. May); near Blauwe

Berg: SPLITGERBER 929 H. L. B. 905, 268—25 (fl. May.)

Upper Saramacca River, near Janbasigado: PULLE 169 (fl. Jan.)

Surinam: NOLTE in herb. Gött.; WULLSCHLÄGEL ex Eichl. l. c. 507.

Northern Brazil, Guyana.

Homalium racemosum Jacq. Amer. 170 t. 183 fig. 72.

Upper Coppename River: BOON 1250 (fl. Octob.)

Surinam: HOSTMANN 6 named *Homalium surinamense* Steud. Flora 1843 p. 756; HOSTMANN and KAPPLER 1707; FOCKE 929.
Central America, West-Indies, Guyana.

PATRISIA Rich.

Patrisia tomentosa (Miq.) Pulle.

Ryania tomentosa Miq. in Ann. Nat. Hist. XI. 15.

Surinam River, near Bergendal: FOCKE 385.

Lower Saramacca River: PULLE 82 (fl. Nov.)

CASEARIA Jacq.

Casearia spinosa Willd. Spec. plant. II. 626.

Surinam: KAPPLER 1374 named *Casearia Avellana* Miq. Linnaea XVIII p. 740; WULLSCHLÄGEL ex Eichl. Flora Bras. XIII 1 p. 464.

All tropical South-America.

Casearia ramiflora Vahl. Symb. II. 50.

Surinam River, near Joden Savanne: KAPPLER ed. Hohenack. 1672 (fl. Nov.) named *Casearia fallax* Miquel. Linnaea XIX p. 128.

Surinam: NOLTE in herb. Götting.

Tropical Brazil, Guyana, West-Indies.

Casearia Fockeana Miq. Ann. Scienc. nat. ser. I. T. III p. 39.

Lower Commewyne River, near plant. Maasstroomb; FOCKE 1367 (fl. Oct.)

Paramaribo: FOCKE 837 and 1047; near Tourtonne: KEGEL 1032 (fl. Nov.), named by Grisebach: *Casearia hirsuta* Sw.

Pauluskreek: WENT 549 (fl. Nov.)

Coppename River: BOON 1108 (fl. Sept.)

Surinam: HOSTMANN 361; KAPPLER 1618a; FOCKE 746; WULLSCHLÄGEL ex Eichler l. c. 470.

Brazil, British Guyana, Peru.

Casearia macrophylla Vahl Eclog. II. 32.

Surinam: HOSTMANN 794.

French Guyana, Peru.

Casearia singularis Eichl. Flora Bras. XIII. 1 p. 473.

Surinam: HOSTMANN and KAPPLER 1158.

Casearia petraea Bth. in Hook. Journ. Bot. IV. 111.

Surinam: LESCHENAULT 341 ex Eichl. l. c. 477,

British Guyana.

Casearia stipularis Vent. Choix. t. 46.

Paramaribo: SPLITGERBER 234 H. L. B. 905, 268—18 (fl. Dec.); near

Poelephantje: KEGEL 726 (fl. Febr.) named *Casearia lanceolata* Miq.

Surinam River, near Joden Savanne: SPLITGERBER 872 H. L. B. 268—19 (fl. April.)

Surinam: KAPPLER 1618 named *Casearia lanceolata* Mig. Linnaea XIX. 753; HOSTMANN and KAPPLER ed. Hohenacker 1104 named *Casearia Benthamiana* Mig. Ann. Sc. Nat. Ser. I. T. III. p. 38.; WULLSCHLÄGEL ex Eichler l. c. 479.

***Casearia silvestris* Swartz** Fl. Ind. Occ. II. 752.

Paramaribo, near Tourtonne and Wanicapad; FOCKE 641 (fl. Sept.); near Nieuwe Ryweg: FOCKE 764 (fl. Dec.); near Poelephantje: KEGEL 189 (fl. July).

Surinam: WEIGELT H. L. B. 905, 268—22; HOSTMANN 325 and 878 named *Casearia carpinifolia* Bth.; WULLSCHLÄGEL ex Eichler l. c. 482; HOSTMANN H. L. B. 903, 322—139.

All tropical and sub-tropical America.

***Casearia javitenses* H. B. K.** Nov. Gen. et Spec. V. 366 t. 479.

Surinam River: HOSTMANN and KAPPLER ed. Hohenacker 1281.

Lower Saramacca River: PULLE 81 (fl. Nov.)

Surinam: HOSTMANN 592.

Tropical South-America.

***Casearia densiflora* Bth.** Hook. Journ. of Bot. IV. 113,

var. ***parvifolia* Eichl.** Flora Bras. XIII. 1 p. 486.

Surinam: HOSTMANN and KAPPLER 1120; HOSTMANN 1150 ex Eichler l. c. 486.

TURNERACEAE.

PIRIQUETA Aubl.

Piriqueta cistoides Meyer (emend. Urb.) Mon. Turn. p. 73,

var. α **genuina** Urb. Monogr. Turn. 73.

Marowyne River, near Albina: TULLEKEN 588 H. L. B. 903, 322—1202 (fl. Nov.); near Arminafalls: WENT 563 (fl. Octob.)

Surinam River, near Station Victoria: KAPPLER ed. Hohenacker 1875 named by Miquel: *Piriqueta lanceolata* Bth.

Coppename River: BOON 1116 (fl. Sept.)

Surinam: WULLSCHLÄGEL 221 ex Urban Flora Bras. XIII. 2 p. 106.

var. δ **bracteolata** Urb. Flora Bras. XIII. 3 p. 105.

Surinam: HOSTMANN 265.

var. γ **foliosa** (Garcke) Urb. Mon. Turn. p. 73.

Piriqueta foliosa Garcke Linnaea XXII. p. 63.

Paramaribo near plant. Kwatta: KEGEL 110 (fl. Aug.); WULLSCHLÄGEL 221 ex Urb. l. c.

var. σ **latifolia** Urb. Monogr. Turn. p. 74.

Marowyne River: KAPPLER (coll. 1861) H. L. B. 903, 322—519.

Lawa River: VERSTEEG 356 (fl. Nov.)

Paramaribo: WULLSCHLÄGEL 219 and 1477 ex Urb. l. c.

Para district: KAPPLER 1452.

Lower Saramacca River: PULLE 46 (fl. Nov.)

Surinam: HOSTMANN 189 and 943; BERTHOUD COULON 517; WULLSCHLÄGEL 220 ex Urban l. c.

Tropical America.

TURNERA Linn.

Turnera rupestris Aubl. Plant. Guyan. I. 289 t. 113.

var. β **frutescens** (Aubl.) Urb. Mon. Turn. 89.

Turnera frutescens Aubl. Plant. Guyan. I. 289 t. 113 f. 2.

Coppename River near Raleighfalls: BOON 1026 (fl. Aug.)

Upper Nickerie River: TULLEKEN 513 H. L. B. 903, 322—1005 (fl. Oct.) Guyana.

Turnera Glaziovii Urb. Mon. Turn. p. 93.

Upper Litanie River: VERSTEEG 427 (fl. Dec.)

Rio de Janeiro (cultivated.)

Turnera guyanensis Aubl. Plant. Guyan. l. 201 t. 114.

Casewinica River: KAPPLER 1880 (fl. June)

Guyana, Venezuela, Trinidad.

Turnera odorata L. C. Rich. in Act. Soc. Hist. nat. Par. (1792) p. 107.

Upper Saramacca River: PULLE 428 (fl. Jan.)

Surinam: HOSTMANN 252; WULLSCHLÄGEL 773 ex Urban Flora Bras.

XIII. 3 p. 441.

Tropical South-America.

Turnera ulmifolia Linn. Spec. ed. l. 271.

var. ♂ **surinamensis** (Miq.) Urb. Monogr. Turn. 143.

Turnera surinamensis Miq. Linnaea XVIII. p. 748.

Para district: KAPPLER 1519; near Onoribo: SPLITGERBER 626 H. L. B. 905, 268-27 (fl. March); FOCKE 879 (fl. March).

Saramacca River, near Saron: KEGEL 1279 (fl. May), named by Garcke,

Linnaea XXII p. 62: *Turnera opifera* Mart.

Tropical Brazil, British Guyana.

PASSIFLORACEAE.

PASSIFLORA Linn.

Passiflora costata Masters Flora Bras. XIII. 1 p. 573.

Lawa River: KAPPLER (coll. 1861) ed. Hohenack. 2118 (fl. Sept.);
KAPPLER H. L. B. 903, 322—359.

Gonini River: VERSTEEG 177 (fl. Aug.); VERSTEEG 255 (fl. Octob.)

Tapanahoni River: VERSTEEG 858 (fl. Aug.)

Surinam River, near Bergendal: FOCKE 1148 named by Miquel: *Passiflora elliptica* Gardn.

Upper Coppename River: BOON 1090 (fl. Aug.); 1113 (fl. Sept.); 1207 (fl. Octob.)

Surinam: WULLSCHLÄGEL ex Masters l. c.

Passiflora suberosa Linn. Amoen. Acad. I. 226.

var. ♂ **pallida** (Linn.) Mast. Flora Bras. XIII. 1 p. 579.

Saramacca River, near Maripaston: KEGEL 1320 (fl. May) named *Passiflora Kegeliana* Garcke Linnaea XXII p. 60.

Surinam: LANDRÉ H. L. B. 905, 268—6.

West-Indies, Florida.

Passiflora foetida Linn. Amoen. Acad. I. 288 t. 10.

Commewijne River, near plant. Nyd en Spyt: TULLEKEN 141 H. L. B. 903, 322—1386 (fl. Aug.)

Paramaribo: SPLITGERBER 20 H. L. B. 905, 237—90 (fl. Nov.); KAPPLER ed. Hohenacker 1918 (fl. Apr.); FOCKE 638 (fl. Sept.); near Beckhuizen: KEGEL 650 (fl. Sept.)

Cottica district, near plant. Badenstein: SPLITGERBER 793 H. L. B. 905, 205—99 (fl. Apr.)

Surinam River, near plant. Voorburg: TULLEKEN 102 H. L. B. 903, 322—1456 (fl. July.)

Lower Saramacca River: WENT 213 (fl. Aug.); PULLE 31 (fl. Nov.)

Nickerie River: TULLEKEN 318 H. L. B. 903, 322—1046 (fl. Sept.)

Surinam: HOSTMANN 652; HOSTMANN H. L. B. 903, 322—34.

Vernacular name: "Sneki Makoesar".

All tropical countries.

Passiflora cirrhiflora Juss. Ann. Mus. Hist. Nat. Par. VI. t. 41 f. 2.

Upper Saramacca River, near Janbasigado: PULLE 200 (fl. Jan.)
Guyana.

This species is very closely allied to *Passiflora Jenmani* Mast. I have compared my specimen with Masters' in the Kew Herbarium, and have only found very small differences f. i. in the nerves, which are somewhat stronger in *Passiflora Jenmani*. Moreover my plant is much more glaucous.

The fruit, I possess, is not yet ripe, and is about 8 cm. long and 5 cm. broad. It does not show the three furrows, mentioned by Jussieu. In all other respects, the plant so perfectly agrees with Jussieu's description and figure, that I do not hesitate to identify it with *Passiflora cirrhiflora* Juss.

Passiflora vespertilio Linn. Amoen. Acad. I. t. 10 f. 11.

Tapanahoni River: VERSTEEG 708 (fl. July).

Paramaribo: SPLITGERBER 603 H. L. B. 905, 268—3 (fl. March); named
Passiflora hemicycla G. F. W. Meyer and *Decaloba hemicycla* D. C.
by de Vriese Ned. Kruidk. Archief I. p. 345.

Paramaribo, near plant. Kwatta: KEGEL 865 (fl. March),, named by
Garcke Linnaea XXII p. 60: *Passiflora surinamensis* Miq.; near
Combéweg: WENT 568 (fl. Jan.)

Upper Saramacca River: PULLE 497 (fl. March)

Surinam: FOCKE 535 and 1246 named: *Passiflora surinamensis* Miq.
Linnaea XVIII p. 363.

Surinam: WULLSCHLÄGEL 214; HOSTMANN 1095.

Vernacular name: »Zwarte Makoesar" (Versteeg).

Tropical Brazil, Guyana, Peru.

Passiflora serrata Linn. Amoen. Acad. I. 232 t. 10.

Paramaribo: FOCKE 1428 (fl. Jan.).

Para district: SPLITGERBER 1163 H. L. B. 905, 268—7 (fl. May), named:
Passiflora palmata Lodd. cf. de Vriese. Ned. Kruidk. Archief. I. p. 345.

Surinam: HOSTMANN and KAPPLER 804; WULLSCHLÄGEL ex Masters
Flora Bras. XIII 1 p. 595.

Amazon district, French Guyana, Peru, West-Indies.

Passiflora oblongifolia Pulle nova spec.

Rami glabri, teretes, striati. Folia subcoriacea, oblonga, basi rotundata, apice acuminata, supra nitida, subtus opaca, valde reticulata, margine obscure serrata. Petioli teretes, ad insertionem laminae glandulis 2 sessilibus instructi. Stipulae lineares, deciduae. Racemi elongati axillares foliosi pluriflores. Pedicelli longissimi, paulo infra florem bracteis 3 ovatis foliaceis margine glandulosis, apice brevissime 3—4 dentatis instructi. Floris tubus glaber, infundibuliformis, basi intrusus. Sepala membranacea oblonga obtusa, dorso sub apice corniculata. Petala sepalis aequilonga,

oblonga obtusa. Corona faucialis pluriserialis, filamentosa, filis extimis sepalis multo brevioribus, filis seriei secundae sepalis excedentibus, applanatis, versus apicem crassioribus; filis intermediis brevissimis numerosissimis, tubo vestientibus, filis intimis quam praecedentia paulo longioribus sed deflexis. Corona media membranacea horizontalis, apice recurvata, margine minute denticulata. Corona basilaris brevissima. Gynandrophorum gracile, ad basin processu trochleiforme instructum. Filamenta complanata, antheris ovatis paulo supra mediam affixis. Ovarium ovoideum glabrum, stylis 3 superatum. Stigmata majuscula, apice incisa. Fructus ignotus.

Frutex scandens, cirrhifera. Folia 11–13 cM. longa, 6–7 cM. lata. Venae laterales utrinque 5–7. Petiolus 1 cM. longus. Ramemi ad 15 cM. longae. Pedicelli velutini 4–5 cM. longi. Bractee $\frac{1}{2}$ cM. a flore remotae, 4 cM. longae, $2\frac{1}{2}$ cM. latae. Sepala $4\frac{1}{2}$ cM. longa, $1\frac{1}{2}$ –2 cM. lata. Petala vix 1 cM. lata. Fila extima coronae faucialis $2\frac{1}{2}$ cM. longa, fila seriei secundae ad 5 cM. metientia. Gynandrophorum 2 cM. longum. Filamenta antheris aequilonga, 1 cM. metientia. Ovarium 7 mM. longum, 5 mM. crassum. Styli 5 mM. longi, stigmata 5 mM. crassa.

Pl. XIV f. 3.

Tapanahoni River, near Drie Tabbetje: VERSTEEG 652 (fl. July).

Passiflora glandulosa Cav. Diss. X. tab. 281.

Lawa River, near Cottica Mountains: VERSTEEG 318 (fl. Octob.).

Gonini River: VERSTEEG 192 (fl. Sept.)

Tapanahoni River: VERSTEEG 722 (fl. Aug.).

Surinam River, near Cassepoerakreek: KEGEL 1176 named *Tacsonia Fockeana* Miq; near Blauwe Berg: FOCKE 931 (fl. Sept.); near Station Victoria: KAPPLER ed Hohenacker 1360, named *Tacsonia Fockeana* Miq. Linnaea XVIII p. 364.

Para district: SPLITGERBER 731 H. L. B. 905, 208–9 (fl. March); Dr. VOLTZ without number.

Saramacca River, near Maripaston: KEGEL 1424 (fl. May), named *Tacsonia subcoriacea* Garcke, Linnaea XXII p. 62; PULLE 65 (fl. Nov.).

Coppename River, near Raleighfalls: BOON 1011 (fl. Aug.).

Upper Nickerie River: TULLEKEN 325 H. L. B. 903, 322–1057 (fl. Sept.); TULLEKEN 499 H. L. B. 903, 322–1244 (fl. Sept.).

Surinam: HOSTMANN and KAPPLER 1665; LANDRÉ H. L. B. 905, 268–10. Amazon district, Guyana.

Passiflora laurifolia Linn. Spec. pl. Ed. II. p. 1356.

Marowynne River: KAPPLER ed. Hohenacker 1991 (fl. Aug.).

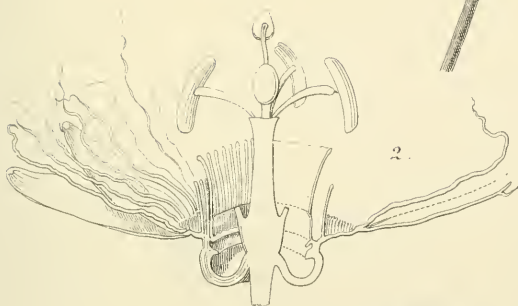
Lower Surinam River, near plant. Jagtlust: TULLEKEN 92 H. L. B. 903, 322–1371 (fl. July.)

Paramaribo: SPLITGERBER 464 H. L. B. 905, 268–8 (fl. Jan.); KEGEL 486 (fl. Aug.) and 703 (fl. Febr.); WENT 351 (fl. Octob.).

J.



2.



3.



Lin. n. n.

Lith. firma F.W.M. Trap.

5, 2. *Passiflora glaucophylla* Pulle.
 3. " *oblongifolia* Pulle.

Surinam: HOSTMANN 541 and 543; HOSTMANN H. L. B. 903, 322—171;

SPLITGERBER 458 H. L. B. 905, 268—5 (fl. Dec.).

Vernacular name: »Makoesar" or »Para-Makoesar".

Tropical Brazil, Guyana, West-Indies.

Passiflora serratifolia Linn. Amoen. Acad. I. 217 t. 10 f. 1.

Surinam, ex Masters Flora Bras. XIII 1 p. 563.

Mexico, Martinique.

Passiflora nitida H. B. K. Nov. Gen. et Spec. II. 130.

Surinam: WULLSCHLÄGEL 1475 ex Masters l. c. 604.

Amazon district, British Guyana, Columbia.

Passiflora coccinea Aubl. Plant. Guyan. II. 828 t. 324.

Marowynne River, near Albina: VERSTEEG 573 (fl. July).

Commewynne River: KAPPLER without number.

Para district: Dr. VOLTZ without number.

Saramacca River: PULLE 186 (fl. Jan).

Coppename River: BOON 1259 (fl. Octob.)

Tropical Brazil, Guyana, Peru.

Passiflora pedata Linn. Amoen. Acad. I. 233 t. X. f. 22.

Surinam: HOSTMANN (?) 633 in hb. Rheno-Traject.

Cuba, British Guyana.

Passiflora guyanensis Miq. Linnaea XVIII p. 751.

Paramaribo, near plant Kwatta: KEGEL 858 (fl. March)

Surinam: KAPPLER 1595.

Passiflora picturata Ker. Bot. Reg. tab. 673.

Paramaribo: WULLSCHLÄGEL ex Masters Flora Bras. XIII. 1 p. 617.

Amazon district.

Passiflora glaucophylla Pulle nov. spec.

Rami glabri, teretes, striati. Folia membranacea, glabra ad medium triloba, supra nitida, subtus glauca, peltata, basi rotundata, lobis integris acutis et brevissime mucronatis. Petioli teretes, lamina breviores, glandulis 6—8 instructi. Stipulae magnae, oblique oblongo-lanceolatae, foliaceae, basi productae et rotundatae, apice acutae et mucronatae. Cirrhi longissimi, teretes. Flores solitarii, axillares. Pedunculi petiolo breviores, bracteis 3 parvis cordato-ovatis acutis a flore remotis instructi. Floris tubus glaber, infundibuliformis, basi intrusus. Sepala membranacea, oblonga obtusa, in parte superiore dorso anguste alata, ala sub apice sepali corniculata. Petala sepalis aequilonga, obtusa, violacea. Corona faucialis pluriserialis, filis extimis sepalis aequilongis capillaceis violaceis, intimis multo minoribus apice clavatis. Corona media membranacea primum reflexa, ceterum erecta, apice filis longis, coronae faucialis filis intimis multo excedentibus

instructa. Corona inframediana brevis, carnulosa, deflexa. Corona basilaris erecta, tubulata, membranacea, margine obtuse serrata, basin gynandrophori cingens. Gynandrophorum gracile, teres. Filamenta valde applanata. Antherae ovatae, obtusae, paulo supra medium ad filamenta connatae. Ovarium ellipsoideum, glabrum, stylis 3 clavatis superatum. Stigmata majuscula. Fructus non suppetit.

Frutex cirrhifera, scandens. Folia 14—15 cM longa, 18—20 cM. lata. Petiolus 7—8 cM longus, 3—4 mM. a basi folii remotus. Stipulae $\pm$ 4 cM. longae, $1\frac{1}{2}$ cM. latae. Pedunculi 5 cM. longi, bractae $1\frac{1}{2}$ cM. a flore remotae, 8 mM. longae, 4 mM. latae. Sepala $3\frac{1}{2}$ cM. longa, $1\frac{1}{2}$ cM. lata. Petala sepalis aequilonga vix 1 cM. lata. Fila coronae membranaceae 1 cM. longa Gynandrophorum $1\frac{1}{2}$ cM longum. Antherae et filamenta ad 1 cM. longae. Ovarium 6 mM. longum, 4 mM crassum. Styli $1\frac{1}{2}$ cM. longi, stigmata 5 mM. lata.

Pl. XIV. f. 1, 2. Pl. XV.

Species ut videtur ex affinitate Passiflorae glaucae Aiton.

Upper Saramacca River: PULLE 223 (fl. March).



E. Linschoten del.

Lathfirma EMM. Trapp.

Passiflora glaucophylla Pulle.

CARICACEAE.

CARICA Linn.

Carica Papaya Linn. Spec. plant. 1466.

Gonini River: VERSTEEG 65 (fl. Aug.).

Paramaribo: KEGEL 970 (fl. Aug.) and 1040 (fl. Nov.)

Surinam: HOSTMANN H. L. B. 903, 322—299; SPLITGERBER 150 H. L. B.
905, 237—85 (fl. Nov.).

Cultivated in all tropical countries.

BEGONIACEAE.

BEGONIA Linn.

Begonia scandens Sw. Prodr. Fl. Ind. Occ. 86.

Gonini River: VERSTEEG 226 (fl. Sept.).

Tapanahoni River: VERSTEEG 758 (fl. Aug.)

Surinam River, near plant. Jagthust: SPLITGERBER 590 H. L. B. 898,
195—157 and 155 (fr. Febr.); FOCKE 221 H. L. B. 898, 195—156;

FOCKE 467 named by Miquel *Begonia glabra* Aubl.

Saramacca River, near Maripaſton: KEGEL 1326 (fl. May).

Jamaica, Venezuela, Guatemala, Guyana, Peru.

CACTACEAE.

CEREUS Haw.

Cereus flagelliformis (Linn.) Mill. Dict. ed. VIII n. 12.

Cactus flagelliformis Linn. Spec. pl. Ed. I. p. 467.

Surinam, teste K. Schumann, Flora Bras. IV. 2 p. 208.

Tropical Brazil, West-India.

Cereus triangularis (Linn.) Haw. Syn. 180.

Cactus triangularis Linn. Spec. plant. ed. I. p. 468.

Nieuw-Nickerie: TULLEKEN 537 H. L. B. 903, 322 - 1453 and 1518.

Mexico; cultivated in all tropical countries.

Cereus Jamacaru P. DC. ap. S.-D. Hort Dyck. 336.

Upper Litanie River, near Knopaïamoi: VERSTEEG without number (fl. Dec.).

PHYLLOCACTUS Lk.

Phyllocactus Phyllanthus (L.) Link. Handb. II. p. 21.

Cactus Phyllanthus Linn. Spec. pl. ed. I. 469.

Tapanahoni River: VERSTEEG 704 (fl. Sept.)

Surinam: SPLITGERBER 1135 H. L. B. 898, 321 - 307.

Northern Brazil, Guyana, West-Indies.

Phyllocactus Hookeri Pfeiff et Otto Abbild und Beschr. I. t. 5.

Surinam, teste K. Schumann Flora Bras. IV. 2 p. 222.

Brazil.

RHIPSALIS Gärtn.

Rhipsalis Cassytha Gärtn. Fr. I. 137.

Gonini River: VERSTEEG 206 (fl. Sept.)

Paramaribo: SPLITGERBER 32 H. L. B. 898, 321 - 325; FOCKE 294.

Coppename River: BOON 1241.

Tropical Brazil, West-Indies, Columbia, Tropical Africa.

Rhipsalis minutiflora K. Schum. Flora Bras. IV. 2 p. 271.

Surinam: KAPPLER 1720 named by Miquel: *Rhipsalis funalis* var. β

gracilior Salm-Dyck; HOSTMANN 393; HOSTMANN H. L. B. 903, 322--293;
WULLSCHLÄGEL ex Schumann l. c.

NOPALIA Salm-Dyck.

Nopalía coccinellifera (Linn.) Salm-Dyck. Cact. hort. Dyck. 63.

Cactus cochenillifer Linn. Spec. pl. ed. I. 468.

Gonini River: VERSTEEG 292 (fl. Aug.).

Western Coronic: TULLEKEN 543 H. L. B. 903, 322--950.

Vernacular name: "Nopari".

All tropical America.

LYTHRACEAE.

CUPHEA P. Br.

Cuphea balsamona Cham. et Schild. Linnaea II. p. 363.

Marowynne River, near Albina: VERSTEEG 43 (fl. July).

Surinam: HOSTMANN and KAPPLER 42.

Tropical and sub-tropical America.

CRENEA Aubl.

Crenea maritima Aubl. Plant. Guyan. 523 t. 209.

Lower Surinam River: WULLSCHLÄGEL 166 ex Köhne, Pflanzenreich
IV. 216 p. 220.

Surinam: HOSTMANN 316.

Amazon district, French Guyana.

Crenea surinamensis (Linn f.) Köhne in Engl. Botan. Jahrb. III. 320.

Dodecas surinamensis Linn. f. Suppl. 245.

Surinam River, near Paramaribo: KEGEL 323. (fl. July).

Surinam: SPLITGERBER 344 H. L. B. 903, 343-307 (fl. Dec.); Focke
168 (fl. May); HOSTMANN 1289.

Columbia, British Guyana, tropical Brazil.

LAGERSTRÖMIA Linn.

Lagerströmia indica Linn. Spec. plant. ed. II. 734.

Paramaribo: KEGEL 1031 (fl. Octob.).

Nieuw-Nickerie: TULLEKEN 316 H. L. B. 903, 322-1050 (fl. Sept.).

Vernacular name: "Jamponika" (Tulleken).

Tropical and sub-tropical Asia.

LAWSONIA Linn.

Lawsonia inermis Linn. Spec. pl. ed. I. 349.

Paramaribo: Focke 899 (fl. Apr.); TULLEKEN 188 H. L. B. 903, 322-
1261 (fl. Aug.); WENT 342 (fl. Octob.); VERSTEEG 568 (fl. July.)

Saramacca River, near Groningen: WENT 236 (fl. Aug.)

Vernacular name: "Reseda".

Tropical Asia and Africa.

PUNICACEAE.

PUNICA Linn.

Punica Granatum Linn. Spec. plant. 676.

Cultivated everywhere in the colony.

All tropical and sub-tropical countries.

LECYTHIDACEAE.

GUSTAVIA Linn.

Gustavia augusta Linn. Diss. de plant. surin. p. 17.

Lawa River, near Cottica mountains: VERSTEEG 266 (fl. Octob.)

Upper Tapanahoni River: VERSTEEG 909 (fl. Octob.).

Paramaribo, near plant. Kwatta: KEGEL 1235 (fl. Jan).

Upper Para River: WENT 381 (fl. Sept.)

Lower Saramacca River: PULLE 66 (fl. Nov.)

Upper Coppename River: BOON 1188 (fl. Sept.).

Upper Nickerie River: TULLEKEN 411 H. L. B. 903, 322—1186, 1188,
1195 and 1200 (fl. Sept.)

Surinam: HOSTMANN 276; FOCKE 863; SPLITGERBER H. L. B. 898,
206—312.

Vernacular name: "Stinkhout" (Splitg.); "Watra-mama-bobbie" (Pulle,
Versteeg); "Aripawana" (Versteeg.)

Northern Brazil, Guyana.

Gustavia pterocarpa Poit. Mem. Mus. XIII. t. 6 et 7.

Upper Tapanahoni River: VERSTEEG 917 (fl. Octob.).

Surinam: HOSTMANN 1210.

French Guyana.

COUROUPITA Aubl.

Couroupita surinamensis Mart. ex Berg, Linnaea XXVII 462.

Commewyne River, near plant. Lustryk: SPLITGERBER 355 H. L. B. 898,
206—30 (fl. Dec.)

Paramaribo: KEGEL 489 (fl. Aug.); WULLSCHLÄGEL 202.

Vernacular name: "Bosch kalebas" (Splitg.).

LECYTHIS Linn.

Lecythis venusta Miers Transact. Linn. Soc. XXX p. 214.

Surinam: HOSTMANN 1302.

British Guyana.

***Lecythis rubicunda* Miers** Transact. Linn. Soc. XXX. p. 226

Surinam: HOSTMANN 1260.

French Guyana.

ESCHWEILERA Mart.

***Eschweilera salebrosa* (Berg) Ndz.** Natürl. Pflanzenfam. III. 7 p. 40.

Lecythis salebrosa Berg in Flora Bras. XIV. 1 p. 488.

Para district, near plant. Berlyn: WULLSCHLÄGEL 1472.

***Eschweilera marowynensis* (Berg) Ndz.** Mss. in hb. Berol.

Lecythis marowynensis Berg Flora Bras. XIV. 1 p. 489. t. 69.

Surinam: WULLSCHLÄGEL 1473.

***Eschweilera idatimonoides* (Berg) Miers** Transact. Linn. Soc. XXX. p. 252.

Lecythis idatimonoides Berg Flora Bras. XIV. 1 p. 496 t. 73.

Surinam: WULLSCHLÄGEL 203.

***Eschweilera corrugata* (Poit) Miers** Transact. Linn. Soc. XXX. p. 253.

Lecythis corrugata Poit. Mem. Mus. XIII. 145 t. 3.

Lawa River: KAPPLER ed. Hohenacker 2120, named by Grisebach:

Lecythis Idatimon Aubl.; KAPPLER (coll. 1861) H. L. B. 903, 322—385
(fl. Octob.).

Litanie River: VERSTEEG 412 (fl. Dec.)

Surinam River, near Joden Savanne: KEGEL 1163 (fl. Nov.).

Para district: KAPPLER ed Hohenack. 1479 named by Miquel: *Lecythis*

Idatima Aubl.; near plant. Berlyn: FOCKE 1002 (fl. Aug.)

Guyana.

***Eschweilera longipes* (Poit.) Miers** Transact. Linn. Soc. XXX. 253.

Lecythis longipes Poit. Mém. Mus. XIII. 144 t. 1 et t. 6a.

Lawa River: VERSTEEG 540 (fl. Dec.)

Gonini River: VERSTEEG 132 (fl. Aug.).

Surinam: FOCKE 1232; FOCKE H. L. B. 898, 206—358; HOSTMANN 629i.

Vernacular name: "Man-Barklak" (Focke).

French Guyana.

***Eschweilera macrophylla* (Berg) Miers** Transact. Linn. Soc. XXX p. 263

Lecythis macrophylla Berg Flora Bras. XIV. 1 p. 616.

Paramaribo: WULLSCHLÄGEL 1471 named *Lecythis Wullschlägeliana*

Berg. l. c. p. 493; ANDERSON ex Miers l. c. 263.

French Guyana.

***Eschweilera subglandulosa* (Steud.) Miers** Trans. Linn. Soc. XXX.

p. 266.

Lecythis subglandulosa Steud.

Marowyne River: KAPPLER ed Hohenacker 886 (fl. Aug.)

Gonini River: VERSTEEG 70 (fl. Aug.)

Tapanahoni River: VERSTEEG 664 (fl. July)

Para district: SPLITGERBER 1033 H. L. B. 898, 206—348 (fl. Jan.).

Coppename River: WENT 136 (fl. Aug.).

Surinam: HOSTMANN 186.

COURATARI Aubl.

Couratari guyanensis Aubl Plant Guyan. II. 724 t. 290.

Surinam River, near Blauwe Berg: SPLITGERBER 894 H. L. B. 898,
206—21.

Vernacular name: »Injie-pipa''.

French Guyana.

Couratari Vriesii Miers Transact. Linn. Soc. XXX. 284.

Surinam: (Splitgerber?) ex Miers l. c.

ALLANTOMA Miers.

Allantoma subramosa Miers Transact. Linn. Soc. XXX. 292.

Surinam ex Miers l. c.

French Guyana.

Allantoma fagifolia (Miq.) Miers Transact. Linn. Soc. XXX 298.

Lecythis fagifolia Miq.

Marowyne River: KAPPLER ed Hohenacker 1830 (fl. Sept.)

RHIZOPHORACEAE.

RHIZOPHORA Linn

Rhizophora Mangle Linn. Spec. pl. 634.

Lower Surinam River: FOCKE 679.

Tropical America.

CASSIPOUREA Aubl.

Cassipourea guyanensis Aubl. Plant. Guyan. l. 529 t. 211.

Marowynne River: KAPPLER 1170.

Surinam: HOSTMANN.

Guyana.

MYRTACEAE.

CALYCOLPUS Berg.

Calycolpus glaber (Bth.) Berg Flora Bras. XIV. 1 p. 411.

Campomanesia glabra Bth. in Hook. Journ. of Bot. II. 319.

Surinam River, near Station Victoria: KAPPLER ed. Hohenacker 1700 (fl. Octob.), named by Miquel Linnaea XXII p. 169: *Psidium fluviale* Rich.

Amazon district, British Guyana.

Calycolpus Götheanus (Mart.) Berg Flora Bras. XIV. 1 p. 412.

Myrtus Götheanus Mart. ex D. C. Prodr. III. 240.

Surinam: NOLTE in Hb. Götting.

Amazon district.

Calycolpus Kegelianus Berg Linnaea XXVII p. 381.

var. α **robusta** Berg. l. c. 381.

Para district: WULLSCHLÄGEL.

var. β **gracilis** Berg. l. c. 382.

Saramacca River, near Maripaston: KEGEL 1341 (fl. May).

Calycolpus revolutus (Schauer) Berg Linnaea XXVII p. 383.

Myrtus revoluta Schauer Linnaea XXI p. 272.

Surinam River: FOCKE 236 named by Miquel: *Myrtus calophylla*

H. B. K. Nov. Gen. et Spec. VI. p. 133; near Joden Savanne: KEGEL

1148 (fl. Nov.); near Savanne Kompas: WENT 390 (fl. Sept.)

PSIDIUM Linn.

Psidium polycarpon Lamb. Transact. Linn. Soc. XI. 231. t. 17.

Gonini River: VERSTEEG 162 (fl. Aug.)

Upper Tapanahoni River: VERSTEEG 802 (fl. Aug.)

Paramaribo: KEGEL 132 (fl. July).

Para district, near Post Republiek: TULLEKEN 207 H. L. B. 903, 322

1413 and TULLEKEN 250 H. L. B. 903, 322—1443 (fl. Aug.).

Surinam River, near Bergendal: FOCKE 1161.

Vernacular name: »Wilde Guave" or »Water Guave."

Brazil, Guyana

Psidium Guyava Raddi Mém. 1821 p. 2.

Surinam River, near plant. Morea: Dr. VOLTZ.

Surinam: SPLITGERBER 94 H. L. B. 898, 207—139 (fl. Nov.); HOSTMANN
H. L. B. 903, 322—122; WULLSCHLÄGEL 976 ex Berg.

Vernacular name: »Guave».

Tropical America; cultivated in all tropical countries.

PIMENTA Lindl.**Pimenta acris (Swartz) Lindl.**

Myrtus acris Swartz Fl. Ind. Occ. II. p. 909.

Paramaribo: FOCKE 314 (fl. March).

Lower Saramacca River, near plant. Johanna Catharina: WENT 243
(fl. Aug.).

Surinam: SPLITGERBER 1038 H. L. B. 898, 207—44 (fl. May); without
collector's name: H. L. B. 898, 207—38 and 39.

Vernacular name: »Bayboom» (Went) or »Beerum» (Splitg.)

Venezuela, Guyana, West-Indies.

MYRCIA D. C.**Myrcia Kegeliana Berg** Flora Bras. XIV. 1 p. 168.var. α . **latifolia Berg.** l. c.

Paramaribo, near Poelepantje: KEGEL 214 (fl. May).

Surinam River: HOSTMANN and KAPPLER 1246 named *Eugenia paniculataeflora* Steud. Flora 1843 p. 762.

Upper Saramacca River: PULLE 499 (fl. March).

Surinam: HOSTMANN 485 named by Miquel in Linnæa XXII p. 171:
Myrcia Berberis D. C.

var. β . **longifolia Berg** l. c.

Surinam: WULLSCHLÄGEL ex Berg.

var. γ . **angustifolia Berg** l. c.

Commewyne River, near plant. Waiampibo: SPLITGERBER 494 H. L. B.
898, 206—831 (fl. Jan.)

Paramaribo: KEGEL 840 (fl. March); near plant. Kwatta: FOCKE 1376
(fl. July).

Surinam: HOSTMANN 485.

var. δ . **vulgaris Berg** l. c.

Paramaribo: WULLSCHLÄGEL 198, 879, 880.

Para district: SPLITGERBER 1165 H. L. B. 898, 206—800 (fl. May).

Surinam: HOSTMANN 372 and 629.

var. ϵ . **pendula Berg** l. c.

Saramacca River, near Maripaston: KEGEL 1288 (fl. May.)

Amazon district, Guyana.

Myrcia Berberis D. C. Prodr. III. 254.var. β . **angustifolia Berg** Flora Bras. XIV. 1 p. 170.

Paramaribo : KEGEL 479 (fl. Aug.)

Surinam : KAPPLER 151.

Amazon district.

Myrcia ambigua D. C. Prodr. III. 252.

var. δ **sylvatica** (D. C.) Berg Flora Bras. XIV. 1 p. 180.

Myrcia sylvatica D. C. Prodr. III. p. 244.

Surinam River, near Joden Savanne : SPLITGERBER 859 H. L. B. 898,

206—756 (fl. April) : TULLEKEN 17 H. L. B. 903, 322—1166 (fl. Aug.) ;

KAPPLER ed. Hohenacker 1699 (fl. Octob.) ; KEGEL 215 (fl. Nov.).

Upper Surinam River : FOCKE 227 (fl. Nov.) ; near Bergendal : FOCKE

1027 (fl. Oct.) near Kompas : WENT 396 (fl. Sept.) ; near Bergendal :

WULLSCHLÄGEL 197.

Saramacca River, near Maripaston : KEGEL 1313 (fl. May).

Surinam : NOLTE in hb. Götting. ; HOSTMANN 828 ; Dr. VOLTZ.

Brazil, Guyana.

AULOMYRCIA Berg.

Aulomyrcia Hostmanniana Berg Linnaea XXVII p. 42.

var. α **robustior** Berg l. c.

Para district : WULLSCHLÄGEL 199.

Upper Saramacca River : PULLE 146 (fl. Jan.).

var. β **gracilior** Berg. l. c.

Surinam : KAPPLER 755 $\frac{1}{2}$; HOSTMANN 881 named by Miquel : *Myrcia divergens* D. C.

British Guyana.

Aulomyrcia Wullschlägeliana Berg Linnaea XXVII p. 48.

Upper Surinam River : WULLSCHLÄGEL ex Berg. l. c.

Aulomyrcia subobliqua (Bth.) Berg Linnaea XXVII p. 57.

Eugenia subobliqua Bth. Hook. Journ. of Bot. II. 322.

Surinam River, near Bergendal : FOCKE without number.

British Guyana.

Aulomyrcia divaricata Berg Linnaea XXVII p. 58.

Surinam River : KAPPLER ed. Hohenacker 1702 (fl. Octob.) ; NOLTE in Hb. Gött.

Aulomyrcia surinamensis (Miq.) Berg Linnaea XXVII p. 64.

Myrcia surinamensis Miq. Linnaea XXII p. 170 ; Stirp. Surin. Select. p. 35.

Surinam River, near Bergendal : FOCKE 1152 (fl. Octob.).

Aulomyrcia obtusa (Schauer) Berg Linnaea XXVII p. 66.

Myrcia obtusa Schauer Linnaea XXI p. 272.

var. α **grandifolia** Berg l. c.

- Para district: SPLITGERBER 1146 H. L. B. 898, 206—773 (fl. June).
 var. β **pauciflora** Berg l. c.
 Saramacca River, near Maripaston: KEGEL 1308a (fl. May).
 var. γ **panicularis** Berg l. c.
 Surinam River, near Bergendal: WULLSCHLÄGEL 159 ex Berg, l. c.
 Saramacca River, near Maripaston; KEGEL 1308c (fl. May).
 var. δ **tenuifolia** Berg l. c.
 Saramacca River, near Maripaston: KEGEL 1308d (fl. May).
 var. ϵ **longipes** Berg l. c.
 Saramacca River, near Maripaston: KEGEL 1308b. (fl. May).

MARLIEREA Camb.

- Marlierea suffruticosa** Berg Linnæa XXVII p. 16.
 Surinam River, near Joden Savanne: KEGEL 216 and 1126 (fl. Nov.)
 Surinam: HOSTMANN 1176 named by Miquel Linnæa XXII p. 172 and
 Stirp. Surin. Select. p. 37: *Calyptranthes obtusa* Bth.

EUGENIA Linn.

- Eugenia vaga** Berg Flora Bras. XIV. 1 p. 238.
 var. γ **dipoda** Berg l. c.
Eugenia dipoda D. C. Prodr. III. 267.
 Para district: SPLITGERBER.
 Saramacca River, near Saron: KEGEL 1275 (fl. May).
 var. ϵ **rigida** Berg l. c. 239.
 Para district: WULLSCHLÄGEL 196 ex Berg. l. c.
 Surinam River, near Joden Savanne: KEGEL 1143 (fl. Nov.); TULLEKEN
 164 H. L. B. 903, 322—1248 (fl. Aug.)
 Saramacca River, near Maripaston: KEGEL 1296 (fl. May).
 Northern Brazil, Venezuela, Guyana,
Eugenia psidioides D. C. Prodr. III. p. 268.
 Surinam: KEGEL 236.
Eugenia surinamensis Miq. Linnæa XVIII p. 743.
 Surinam River, near Station Victoria: KAPPLER ed. Hohenacker 1401a,
Eugenia chrysophylloides D. C. Prodr. III. p. 267.
 Warappa kreek, near plant. Ponthien: FOCKE 1348.
 Para district: SPLITGERBER 1028 H. L. B. 898, 203—133 (fl. May).
 Surinam: HOSTMANN 787.
 French Guyana.
Eugenia latifolia Aubl. Plant. Guyan. I. 502 t. 199.
 Paramaribo: WULLSCHLÄGEL 193.
 French Guyana.

***Eugenia egensis* D. C. Prodr. III. p. 281.**

Surinam River: KAPPLER ed. Hohenacker 1920 (fl. April), named:
Eugenia tenuiramis Miq. Stirp. Surin. Select. p. 39.
 Brazil.

***Eugenia atropunctata* Steud. Flora 1843 p. 762.**

Surinam: HOSTMANN and KAPPLER ed. Hohenacker 1108; KAPPLER
 1701, named by Miquel Linnaea XXII p. 173: *Eugenia polystachya*
L. C. Rich.

***Eugenia uniflora* Linn. Spec. plant. 470.**

Paramaribo: FOCKE 255.
 Lower Saramacca River, near Groningen: WENT 249 (fl. Aug.)
 Surinam: SPLITGERBER 332 H. L. B. 898, 203—776 (fl. Dec.).
 Vernacular name: »Kersenboom" or »Surinaamsche kers."
 Cultivated in all tropical countries.

CALYCORECTES Berg.***Calycorectes grandifolius* Berg Linnaea XXVII p. 317.**

Lower Saramacca River, near Maripaston: PULLE 11 (fl. Nov.).
 Surinam River, near Station Victoria: KAPPLER 1365, named by Miquel:
Eugenia ramiflora Desv. (?).
 French Guyana.

MYRCIARIA Berg.***Myrciaria polyantha* (Miq.) Berg Linnaea XXVII p. 322.**

Eugenia polyantha Miq. Linnaea XVIII p. 741.
 Surinam: HOSTMANN and KAPPLER 1385.

***Myrciaria Schaueriana* (Miq.) Berg Linnaea XXVII p. 323.**

Eugenia Schaueriana Miq. Linnaea XXII p. 174.
 Para district: KAPPLER ed. Hohenacker 1429 (fl. Febr.-Apr.).

***Myrciaria protracta* (Steud.) Berg Linnaea XXVII p. 330.**

Eugenia protracta Steud. Flora 1843 p. 762.
 Surinam: HOSTMANN and KAPPLER ed. Hohenacker 1159; HOSTMANN 1192.

***Myrciaria Salzmanni* (Bth.) Berg Linnaea XXVII p. 331.**

Eugenia Salzmanni Bth. in Hook Journ. of Bot. II. p. 320.
 Paramaribo: SPLITGERBER 1147 H. L. B. 898, 203—667 and 669 (fl. June.)
 Britisch Guyana.

***Myrciaria marowynensis* (Miq.) Berg Linnaea XXVII p. 335.**

Eugenia marowynensis Miq. Stirp. Surin. Select. p. 39.
 Surinam: KAPPLER 1919.

JAMBOSA D. C.

Jambosa vulgaris D. C. Prodr. III. p. 286.

Surinam River, near plant. Jagtlust: TULLEKEN 86 H. L. B. 903, 322—1365 (fl. July).

Paramaribo, near plant. Tourtonne: KEGEL 344 (fl. July.)

Lower Saramacca River, near plant. Vier Hendrikken: WENT 214 (fl. Aug).

Surinam: SPLITGERBER 1148 H. L. B. 898, 203—291 and 273 (fl. Febr.—March).

Vernacular name: »Pomme de Rose" or »Pommeroos".

East-India; cultivated in all tropical countries.

COMBRETACEAE.

TERMINALIA Linn.

Terminalia Catappa Linn. Mant. 519.

Marowyne River, near Albina: VERSTEEG 553 (fl. June).

Paramaribo: KEGEL 979 (fl. Aug.) named by Miquel Linnaea XXII p. 73: *Terminalia latifolia* Swartz; WENT 484 (fl. Octob.); FOCKE 800 (fl. May).

Surinam: HOSTMANN 812a; SPLITGERBER 83 H. L. B. 899, 257—558 (fl. Nov.).

Vernacular name: »Amanda" or »Amandelboom".

East-India, cultivated in tropical America.

Terminalia Tanibouca Smith in Rees Cycl. XXXV n. 11.

Tanibouca guyanensis Aubl. Plant. Guyan. I. 448. t. 178.

Marowyne River: KAPPLER ed. Hohenacker 1962 named by Miquel, Linnaea XVIII p. 368: *Terminalia dichotoma* Meyer.

Tapanahoni River: VERSTEEG 647 (fl. July).

Surinam: DUMORTIER without number; HOSTMANN 744; WULLSCHLÄGEL ex Eichler Flora Bras. XIV. 2 p. 84.

Northern Brazil, Guyana.

Terminalia lucida Hoffmsg. ex Mart. et Zucc. Nov. Gen. I. 43.

Lower Marowyne River: WULLSCHLÄGEL ex Eichler l. c. 85.

Brazil, French Guyana.

BUCHENAVIA Eichl.

Buchenavia capitata (Vahl) Eichl. Flora Bras. XIV. 2 p. 96.

Bucida capitata Vahl Eclog. I. 50 t. 8.

Para district, near plant. Berlyn: WULLSCHLÄGEL ex Eichler l. c.

Surinam: HOSTMANN and KAPPLER 1151.

Tropical South-America.

CONOCARPUS Gärtn.

Conocarpus erecta Jacq. Americ. 78 t. 52.

Cottica River, near plant. Zeezigt: SPLITGERBER 798 H. L. B. 899, 257—318 (fl. April).

Tropical and sup-tropical America, tropical Africa.

BUCIDA Linn.

Bucida Buceras Linn. Spec. plant. 556.

Surinam, at the sea-coast: SPLITGERBER 354 H. L. B. 899, 257—500 (fl. Dec.).

Guyana, West-Indies, Central America, Florida.

COMBRETUM Linn.

Combretum Aubletii D. C. Prodr. III. p. 19.

Marowyne River: KAPPLER 1998 (fl. Aug.).

Gonini River: VERSTEEG 156 (fl. Aug.).

Tapanahoni River: VERSTEEG 707 (fl. July).

Para district: HOSTMANN and KAPPLER 825 (fl. Sept.), named *Combretum punctatum* Steud. Flora 1843 p. 761

Surinam River, near Cassepoera Kreek: KEGEL 1192 (fl. Nov.); near Bergendal: FOCKE 407, named *Combretum guyanense* Miq. in Ann of Nat. Hist. XI. p. 12, and in Stirp. Surin. Select. p. 62.

Upper Copename River: BOON 1251 (fl. Octob.).

Surinam: SPLITGERBER 829 H. L. B. 899, 257—89 (fl. April); NOLTE in hb. Götting; HOSTMANN H. L. B. 903, 322—353; MENZE; WULLSCHLÄGEL ex Eichler l. c. 109.

Brazil, Guyana.

Combretum Jacquini Griseb. Flora Br. West. Indian Islands p. 275.

var. α **laxa** Eichl. Flora Bras. XIV. 2 p. 115.

Tapanahoni River: VERSTEEG 612 (fl. July); VERSTEEG 746 (fl. Aug.).

Surinam River, near Bergendal: FOCKE 1313 (fl. May).

Surinam: KEGEL 259 named by Miquel Linnaea XXII p. 73: *Poivreia alternifolia* D. C.; HOSTMANN 138 named: *Combretum terminaloides* Steud. in Flora 1843 p. 762.

Tropical America.

var. ϵ **pulchella** Eichl. Flora Bras. XIV. 2 p. 116.

Upper Commewyne district: FOCKE 212 (fl. Sept.)

Paramaribo: FOCKE 832 (fl. Sept.).

Pauluskreek: FOCKE 1416 (fl. Sept.)

Surinam: Dr. VOLTZ without number.

Tropical Brazil.

Combretum obtusifolium L. C. Rich. in Act. Soc. Hist. Nat. Par. 1791 p. 108.

Marowyne River: KAPPLER ed. Hohenacker 1828 (fl. Aug.).

- Gonini River: VERSTEEG 56 (fl. Aug.)
 Lower Coppename River: WENT 123 (fl. Aug.).
 Upper Coppename River: BOON 1038 (fl. Aug.).
 Amazon district, Guyana.

CACOUCIA Aubl.

- Cacoucia coccinea Aubl** Plant. Guyan. I. 450 t. 179.
 Tapanahoni River: VERSTEEG 540 (fl. July).
 Cottica River: FOCKE 23 H. L. B. 899, 257—42 (fl. Octob.).
 Surinam River, near Cassepoerakreek: KEGEL 1191 (fl. Nov.).
 Lower Coppename River: WENT 126 (fl. Aug.)
 Upper Coppename River: BOON 1257 (fl. Octob.).
 Nickerie River: TULLEKEN 409 H. L. B. 903, 322—1506 (fl. Sept.)
 Surinam: SPLITGERBER 331 H. L. B. 899, 257—45 and 46 (fl. Dec.);
 HOSTMANN and KAPPLER 1032; WULLSCHLÄGEL ex Eichler l. c. 122.
 Vernacular name: "Jalimano" (Hostmann).
 Northern Brazil, Guyana, Trinidad.

QUISQUALIS Linn.

- Quisqualis indica Linn.** Spec. plant. ed. II. p. 556.
 Paramaribo: WENT 488 (fl. Octob.).
 Tropical Asia and Africa, cultivated in tropical America.

LAGUNCULARIA Gärtn. f.

- Laguncularia racemosa Gärtn. f.** Carpol. III. 209 t. 217.
 Commewyne River, near plant. Maasstroon: FOCKE 1366 (fl. Octob.)
 Paramaribo, near Poelepantje: KEGEL 324 (fl. July).
 Surinam: HOSTMANN 612 named *Laguncularia obovata* Miq. Linnaea
 XVIII p. 752; HOSTMANN and KAPPLER 1607.
 Tropical America and Africa.
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MELASTOMATACEAE.

PTEROLEPIS Miq.

Pterolepis trichotoma (Rottb.) Cogn. Flora Bras. XIV. 3 p. 261.

Rhexia trichotoma Rottb. Descr. Pl. rar. Surin. 9. tab. 5.

Para district: WULLSCHLÄGEL 171 ex Cogn. l. c.; near Onoribo: SPLITGERBER 693 H. L. B. 904, 280—40 (fl. March).

Tropical and subtropical Brazil, Guyana.

Pterolepis pumila (D. C.) Cogn. Flora Bras. p. 263.

Osbeckia pumila D. C. Prodr. III. 141.

Para district near Onoribo: FOCKE without number, named *Pterolepis pusilla* Miq. in Linnaea XVIII p. 619 and Stirp. Surin. Select. p. 55. British Guyana.

Pterolepis glomerata (Rottb.) Miq. Comm. Phyt. p. 78 and Linnaea XVIII p. 276 and Stirp. Surin. Select. p. 55.

Rhexia glomerata Rottb. Descr. Pl. Surin. 3 tab. 4.

Marowynne River, near Albina: WENT 454 and 483 (fl. Octob.); VERSTEEG 38 (fl. July).

Paramaribo: KEGEL 920 (fl. June); WENT 291 (fl. Aug.); TULLEKEN 53 H. L. B. 903, 322—1298 (fl. July); SPLITGERBER 134 H. L. B. 904, 280—38 (fl. Dec.); VAN HALL 60c (fl. Jan.).

Upper Surinam River: Dr. VOLTZ without number.

Para district, near Post Republiek: TULLEKEN 208 H. L. B. 903, 322—1135 (fl. Aug.)

Para district: HOSTMANN and KAPPLER 1135; HOSTMANN 867, 1131, 1231. ex Cogn. l. c.

Surinam: BERTHOUD COULON 274 ex Cogn. l. c.; FOCKE 303 and 43; HOSTMANN H. L. B. 903, 322—329.

Tropical South-America.

TIBOUCHINA Aubl.

Tibouchina aspera Aubl. Plant. Guyan. I. 446 tab. 177.

Para district: KAPPLER 1051 named *Bractearia Kappleri* Steud.

Surinam: HOSTMANN 1051, MENZE ex Cogn. l. c.

Tropical South-America.

var. γ **asperrima** Cogn. Flora Bras. p. 375.

Para district: SPLITGERBER; WULLSCHLÄGEL 177 ex Cogn. l. c.; Berlijn in savannahs: WENT 382 (fl. Sept.); near Post Republiek: TULLEKEN 186 H. L. B. 903, 322—1258 (fl. Aug.)

Saramacca River, near Saron: KEGEL 1286 (fl. May).

Surinam: Dr. VOLTZ without number; MENZE ex Cogn. l. c.

British Guyana.

COMOLIA D. C.

Comolia lytharioides (Steud.) Naud. Ann. Sciences Nat. ser. 3 XIII. p. 27.

Hostmannia lytharioides Steud. in Plantae Kapplerianae Surinamenses ed. Hohenacker No. 1420.

Para district: KAPPLER 1420 in savannahs: SPLITGERBER 699 H. L. B. 904, 280—16.

Surinam: HOSTMANN 509 named *Comolia surinamensis* Miq. Stirp. Surin. Select. p. 55.

British Guyana.

var. β **major** Cogn. Flora Bras. p. 423.

Paramaribo: WULLSCHLÄGEL 174 ex Cogn. l. c.

Comolia veronicaefolia Benth. in Hook. London Journ. of Botany II. 295.

Para district, Joden Savannah: KEGEL 1112; near plant. Berlyn: SPLITGERBER 1162 H. L. B. 904, 281—20; and 904, 281—19.

Saramacca River, near Maripaston: KEGEL 1305 (fl. June).

British Guyana. Trinidad.

Comolia purpurea Miq. Linnæa XVIII p. 617.

Paramaribo. KAPPLER 1676; WULLSCHLÄGEL 174 ex Cogn. l. c. 425; FOCKE 1026 (fl. Jan.)

Para district, in savannah's WULLSCHLÄGEL 1448; near plant. l'Inquiétude; FOCKE 1026 (fl. Sept.)

Amazon district, Guyana.

Comolia tetraptera Cogn. Flora Bras. XIV. 3. p. 426.

Para district: WULLSCHLÄGEL 175 in Herb. Brux. ex Cogn. l. c.

Comolia vernicosa (Benth.) Triana Melast. 37. tab. II. fig. 27 g.

Leiostegia vernicosa Benth. in Hook. Journ. of Botan. II. 294.

Para district: SPLITGERBER 972 H. L. B. 904, 280—17 and 18; WULLSCHLÄGEL 176 ex Cogn. Flora Bras. p. 437.

British Guyana.

ACIOTIS D. Don.

Aciotis dichotoma (Benth) Cogn. Flora Bras. p. 460 tab. 104 fig. 1.

Spennera dichotoma Benth. in Hook. Journ. of Botan II. 295.

var. β *anomala* (Miq.) Cogn l. c. 461.

Spennera anomala Miq. Linnæa XVIII p. 274 and Stirp. Surin. Select. p. 58.

Litanie River: VERSTEEG 307 (fl. Dec.).

Para district, near Osembo: FOCKE 584 (fl. April); KAPPLER 1520; near plant. Berlyn: WULLSCHLÄGEL 785, 1449 ex Cogn. l. c.; near Onoribo: SPLITGERBER 654 H. L. B. 904, 280—1.

Lower Surinam River, near plant. Onverwacht: FOCKE 982 (fl. Sept.); near Station Victoria: KAPPLER 1332.

Paramaribo: KEGEL 387 (fl. Aug.): VERSTEEG 477 (fl. June).

Surinam: HOSTMANN 942 and HOSTMANN H. L. B. 903, 322—200.

Venezuela, British Guyana, Trinidad.

Aciotis annua (Schränk) Triana Melast. 52.

Melastoma annuum Schrank. Mss. ex D. C. Prodr. III. 115.

Upper Surinam River, near Bergendal: FOCKE 277 (fl. May.) named by

Miquel: *Spennera ornata* Miq. Stirp. Surin. Select. p. 56 tab. 13.

Para district: WULLSCHLÄGEL 968 ex Cogn. l. c. 468.

Upper Saramacca River: PULLE 210 (fl. March).

Amazon district.

Aciotis herbacea (Steud.) Cogn Flora Bras. XIV. 3 p. 468.

Clidemia herbacea Steud. in Hostm. and Kappl. Plant. Surin. n. 1832.

Surinam, in moist forests: HOSTMANN and KAPPLER 1832 (fl. Octob.).

Aciotis indecora (Bonpl.) Triana Melast. 52.

Rhexia indecora Bonpl. Rhex 131 t. 49.

Para district, near plant. Berlyn: WULLSCHLÄGEL 786 in dry forests ex Cogn. l. c. 470.

Amazon district, French Guyana, Peru.

Aciotis purpurascens (Aubl.) Triana Melast. 52.

Melastoma purpurascens Aubl. Pl. Guyan. 402 t. 154.

Lawa River: VERSTEEG 111 (fl. Aug.)

Paramaribo: KEGEL 605 (fl. Sept.) and VERSTEEG 512 (fl. June).

Tropical South-America,

var. β *pellucida* (D. C.) Cogn. Flora Bras. XIV. 3 p. 474.

Spennera pellucida D. C. Prodr. III. 115.

Para district, near plant. Berlyn: FOCKE 1000 (fl. Sept.) named *Spennera grandifolia* Miq. Linnæa XVIII p. 273 and Stirp. Surin. Select. p. 58; KAPPLER 1439 ex Cogn. l. c.

Upper Surinam River, near Blauwe Berg: SPLITGERBER 886 H. L. B. 904, 280—5.

Surinam: KAPPLER 1678 ex Cogn. l. c.; VAN BEEK-VOLLENHOVE without number in Herb. Rheno-Traject.

Amazon disirict, French Guyana, Peru.

Aciotis fragilis (D. C.) Cogn. Flora Bras. XIV. 3 p. 475.

Spennera fragilis D. C. Prodr. III. p. 115.

Para district: NOLTE in Herb. Götting.

French Guyana.

var. β **lancifolia** (Steud.) Cogn. l. c. 475.

Spennera lancifolia Steud in Kappl. Plantae Surinam. ed Hohenacker 1680.

Para district: KAPPLER 1680 ex Cogn. l. c.

Aciotis laxa (L. C. Rich.) Cogn. Flora Bras. p. 477.

Melastoma laxa L. C. Rich. ex D. C. Prodr. III. p. 116.

Para district, near plant. La Prospérité: FOCKE 965 (fl. Sept.), named by Miquel *Spennera dysophylla* Bth. (?) in Linnaea XVIII p. 618 and

Spennera viscida Benth. in Stirp. Surin. Select. p. 58.

French Guyana.

var. β **Kappleriana** (Naud) Cogn. l. c. 477.

Spennera Kappleriana Naud Ann. Sciens. nat. ser. 3 XIV. p. 146.

Surinam River, Joden Savannah on wet spots: KEGEL 1121 (fl. Nov.)

Saramacca River: SPLITGERBER 1066 H. L. B. 904, 280—4.

Surinam: HOSTMANN 1016.

French Guyana.

var. γ **robusta** Cogn. l. c. 477.

Surinam: WULLSCHLÄGEL 1759 (fl. Febr.) ex Cogn. l. c.

Aciotis dysophylla (Benth.) Triana Melast. 52.

Spennera dysophylla Benth. in Hook. Journ. Botan. II. 296.

Paramaribo: KEGEL 661 (fl. Sept.)

Para district: FOCKE 162 in savannahs (fl. Sept.) and H. L. B. 904, 280—3 named *Spennera tetraptera* Miq. Comment. phyt. 76 tab. 10 fig. E.

Para district, near Onoribo: SPLITGERBER 661 H. L. B. 904, 280—2.

Guyana, Tropical Brazil, Peru.

ACISANTHERA P. Br.

Acisanthera Boissieriana Cogn. Flora Bras. p. 209. tab. 49 fig. 1.

Surinam: WULLSCHLÄGEL 168 in herb. Brux.

British Guyana.

Acisanthera hedyotidea (Presl.) Triana Melast. 33.

Dicrananthera hedyotidea Presl. Symb. Bot. I. 75 t. 50.

Paramaribo, on wet spots: KEGEL 461 (fl. Aug.)

Joden savannah: KEGEL 1129 (fl. Nov.)

Amazon district, British Guyana.

Acisanthera recurva (L. C. Rich.) Griseb. Flora British West-Indian Islands 269.

- Rhexia recurva* L. C. Rich. in Act. Soc. Hist. nat. Par. p. 108.
 Paramaribo: KAPPLER 1581, named: *Spennera appendicularioides* Steud.
 in Plantae Kapplerianae surinamenses No. 1581; FOCKE 459; KEGEL
 394; WULLSCHLÄGEL 167 ex Cogn. l. c. 218; TULLEKEN 47 H. L. B.
 903, 322-1299 (fl. July); SPLITGERBER 198 H. L. B. 904, 280-6.
 Para district, near plant. Berlyn: FOCKE 624, named *Rhynchanthera*
adenophora Miq. Comm. Phytogr. 73 tab. 10 fig. C. and *Microlicia*
recurva D. C. Miq. in Linnaea XVIII p. 275; near Post Republic:
 TULLEKEN 235 H. L. B. 903, 322-1434 and TULLEKEN 255 H. L. B.
 903, 322-1448.
 Surinam: HOSTMANN 425, 984 named *Uranthera Hostmanni* Naud. Ann.
 Sc. nat. serie 3 XII. 284; HOSTMANN H. L. B. 903, 322-242.
 Guyana, Nort-Brazil, Trinidad, Panama.

NEPSERA Naud.

Nepsera aquatica (Aubl.) Naud. Ann. Sc. nat. ser. 3. XII p. 28.

Melastoma aquatica Aubl. Plant. Guyan. I. 430 tab. 169.

Marowynne River, near Albina: VERSTEEG 39 (fl. July); WENT 427 (fl.
 Octob.)

Paramaribo: VERSTEEG 485 (fl. June); SPLITGERBER 189 H. L. B. 904,
 280-37; WULLSCHLÄGEL 170 ex Cogn. l. c. 231; near Poeclepantje:
 KEGEL 60 (fl. July); near plant. Quarta: KEGEL 161 (fl. July).

Surinam River, near Station Victoria: KAPPLER 1323 ex Cogn. l. c.

Para district, near Santigrón: WENT 203 (fl. Aug.); near Kompas: WENT
 397 (fl. Sept.)

Surinam River, near Joden Savannah: TULLEKEN 169 H. L. B. 903,
 322-1385 (fl. Aug.)

Saramacca River, near Maripaston: PULLE 13 (fl. Nov.).

Surinam: MENZE; HOSTMANN 197; BERTHOUD COULON 277 ex Cogn. l. c.;
 FOCKE 164; Dr. VOLTZ without number; HOSTMANN H. L. B. 903,
 322-17.

Tropical Brazil, Guyana, Ecuador, Columbia, West-Indian Islands.

DESMOSCELIS Naud.

- *Desmoscelis villosa* (Aubl.) Naud. Ann. Sc. nat. sér. 3. XII. tab. 14.
 fig. 2.

Melastoma villosa Aubl. Pl. Guyan. I. 428 t. 168.

var. α *hypericoides* (D. C.) Cogn. Flora Bras. p. 233.

Chaetogastra hypericoides D. C. Prodr. III. p. 132.

Surinam: BERTHOUD COULON 273.

Paramaribo: WULLSCHLÄGEL 173 ex Cogn. l. c.; FOCKE ex Miq. Comm.
 Phyt. 77.

Amazon district, French Guyana.

var. β *fuscescens* Cogn. l. c. 233 tab. 54 fig. II.

Paramaribo: KEGEL 921 (fl. June); SPLITGERBER 202 H. L. B. 904, 280—21; VAN HALL 67 (fl. June).

Para district in savannahs: FOCKE 160 (fl. March).

Surinam: HOSTMAN 62, 62a, 615, 685; KAPPLER 615; ANDERSON ex Cogn. l. c.

British Guyana.

RHYNCHANThERA D. C.

Rhynchanthera acuminata Benth. in Hook. Journ. of Bot. II. p. 299.

Surinam: ANDERSON ex Cogn. l. c. 171.

British Guyana. *

Rhynchanthera grandiflora (Aubl.) D. C. Prodr. III. 107.

Melastoma grandiflora Aubl. Pl. Guyan. I. 414 t. 160.

var. β *microphylla* Naud. Ann. sc. nat. sér. 3 XIII p. 211.

Upper Surinam River, on wet spots: HOSTMANN and KAPPLER 1300 (fl. Dec.)

Para district: NOLTE without number.

Para River, near plant. la Prospérité: FOCKE 961 (fl. Sept)

Surinam: HOSTMANN 28 and 1419 ex Cogn. l. c.

SIPHANTHERA Pohl.

Siphanthera Hostmanni Cogn. Flora Bras. p. 199 tab. 48 fig. II.

Surinam: HOSTMANN 1014 et Cogn. l. c.

British Guyana.

LEANDRA Raddi.

Leandra pulverulenta (D. C.) Cogn. Flora Bras. XIV. 4 p. 208.

Tschudya pulverulenta D. C. Prodr. III. 155.

Upper Surinam River, near Blauwe Berg: SPLITGERBER 884 H. L. B. 904, 280—24.

French Guyana.

Leandra scabra D. C. Prodr. III p. 154.

Surinam: BERTHOUD COULON 268 ex Cogn. Flora Bras. XIV. 4

Tropical and subtropical Brazil

Leandra rufescens (D. C.) Cogn. Flora Bras. XIV. 4 p. 204.

var. β *asperiuscula* (D. C.) Cogn. l. c. 205.

Tschudya asperiuscula D. C. Prodr. III. p. 155.

Surinam: ANDERSON without number ex Cogn. l. c.

French Guyana, Trinidad.

MICONIA Ruiz et Pav.

Miconia axilliflora Naud. Ann. Sc. nat. ser. 3. XIV. 179.

Surinam: HOSTMANN and KAPPLER 1256, 1265, 1266 ex Cogn. l. c. 235;
 HOSTMANN 1266 named *Conostegia acuminata* Steud. Flora XXVII.
 p. 722.
 French Guyana.

Miconia holosericea (L.) Triana Melast. 101.

Melastoma holosericea L. Hort. Cliff. p. 162.

Para district, near Osembo: VAN HALL 65 (fl. Jan.)

Saramacca River, near Maripaston: KEGEL 1322 (fl. May.); near Saron:
 KEGEL 1287 (fl. May.)

Upper Saramacca River: PULLE 418 (fl. Jan.)

Vernacular name: "Pinja".

Amazon district, Trinidad.

Miconia macrophylla (D. Don.) Triana Mélast. 103.

Chitonia macrophylla D. Don in Mem. Wern. Soc. IV. 319.

var. β *serrulata* (D. C.) Cogn. l. c. 241.

Diplochita serrulata D. C. Prodr. III. 177.

Lawa River, near Cottica Mountains: VERSTEEG 374 (fl. Octob.)

Upper Surinam River, near Bergendaal: FOCKE 366 (fl. Sept.), named

Diplochita serrulata D. C. Miq. in Stirp. Surin. Select. p. 53

Coppename River: BOON 1068 and 1076.

Vernacular name: "Kremoto" or "Mispel".

Tropical Brazil, French Guyana.

var. γ *leucocephala* (D. C.) Cogn. l. c. 241.

Diplochita leucocephala D. C. l. c.

Para River, near Osembo: FOCKE 608 (fl. Apr.) named *Diplochita leu-*
cocephala D. C. Miq. Stirp. Surin. Select. 53.

Joden Savannah: KEGEL 1188 (fl. Nov.)

Saramacca River, near Maripaston: KEGEL 1360 (fl. May.)

French Guyana.

var. δ *Hostmanni* (Steud.) Cogn. l. c. 241.

Decaraphe Hostmanni Steud. Flora XXVII. 722.

Saramacca River: PULLE 456 (fl. Febr.)

Surinam: HOSTMANN and KAPPLER 1099 ex Cogn. l. c.; HOSTMANN 1099;

KAPPLER H. L. B. 903, 322—465.

Miconia guyanensis (Aubl.) Cogn. Flora Bras. XIV. 4 p. 245.

Tamonea guyanensis Aubl. Pl. Guyan. I. 441.

Marowynne River: KAPPLER 1996.

Surinam: FOCKE 159.

Tropical South-America.

Miconia florida (D. C.) Naud. Ann. Sc. nat. ser. 3 XVI p. 244.

Diplochita florida D. C. Prodr. III. 176.

Surinam: HOSTMANN 1175 ex Cogn. l. c. 248; KAPPLER 1175 ex Miq. Stirp. Surin. select. p. 53 named *Diplochita Fothergilla* D. C.; KEGEL 234 (fl. Nov.)

Tropical Brazil, Guyana, Guadeloupe, Martinique.

Miconia parviflora (Benth) Cogn. Flora Bras. p. 249.

Diplochita parviflora Benth. in Hook. Journ. of Botan. II. 302.

Upper Gonini River: VERSTEEG 218 (fl. Sept.)

Coppename River: WENT 137 (fl. Aug.)

Surinam: HOSTMANN 896 named *Miconia pubipetala* Miq. Stirp. Surin. Select. p. 50.

Guyana, Trinidad.

Miconia Plukenetii Naud. Ann. Sc. nat. ser. 3. XVI. 116.

Surinam: ANDERSON ex Cogn. l. c. 254.

Guyana, Trinidad.

Miconia tomentosa (L. C. Rich.) D. Don. in Mem. Wern. Soc. IV. 316.

Melostoma tomentosa L. C. Rich. in Act. Soc. Hist. Nat. Par. 107.

Upper Gonini River: VERSTEEG 219 (fl. Sept.)

Upper Tapanahoni River: VERSTEEG 890 (fl. Sept.)

Para district, near plant Onverwacht: Focke 940 named by Miquel in Linnaea XVIII p. 621 *Fucunda tomentosa* Benth.

Joden Savannah: KEGEL 1188 (fl. Nov.)

Osembo: WULLSCHLÄGEL 669.

Saramacca River: PULLE 84 (fl. Nov.)

Surinam: HOSTMANN 664a, named: *Decaraphe triplinervia* Steud; MENZE without number ex Cogn. l. c. 256.

Tropical Brazil, Guyana, Trinidad.

Miconia aplostachya D. C. Prodr. III. 183.

Surinam: ANDERSON ex Cogn. l. c. 265.

Guyana, Amazon district.

Miconia rufescens (Aubl.) D. C. Prodr. III. 180.

Melastoma rufescens Aubl. Pl. Guyan. 408 tab. 157.

Para district: WULLSCHLÄGEL 1451 ex Cogn. l. c. 274.

Near Onoribo: SPLITGERBER 618 H. L. B. 904, 280—35 (fl. March); FOCKE 872 (fl. March).

Tropical South-America.

Miconia bracteata (D. C.) Triana Melast. 111.

Clidemia bracteata D. C. Prodr. III. 162.

Para district: KAPPLER 1413a, named *Clidemia cephalophora* Steud. in Kappl. Plant. Surin.; NOLTE without number in Herb. Götting.

French Guyana, Peru.

Miconia tomentella Cogn. Flora Bras. XIV. 4. p. 284.

Surinam: MENZE ex Cogn. l. c.; KAPPLER 2134; KAPPLER H. L. B. 903, 322—467.

Miconia albicans (Sw.) Triana Melast. 116.

Melastoma albicans Sw. Fl. Ind. Occ. 786.

Para district: WULLSCHLÄGEL ex Cogn. l. c. 289.

Upper Surinam River, near Blauwe Berg. FOCKE 1019 (fl. Sept.) named *Miconia heterochroa* Miq. Linnaea XVIII p. 621 and *Miconia holosericea* D. C. Miq. Stirp. Surin. Select. p. 52.

Joden Savannah: KEGEL 1145 (fl. Nov.).

Surinam: Dr. VOLTZ. without number.

Tropical South-America.

Miconia lepidota D. C. Prodr. III. 180.

Surinam River, near Bergendal: FOCKE 1295 (fl. May) named *Miconia Naudiniana* Miq. Stirp. Surin. Select. p. 50.

Amazon district, Guyana.

Miconia stenostachya D. C. Prodr. III. 181.

Para district, near Berlyn and Onoribo: WULLSCHLÄGEL 188 and 1458 ex Cogn. l. c. 295; FOCKE 978 named *Miconia hypargyrea* Miq. Linnaea XVIII p. 622 and *M. argyrophylla* D. C. Miq. in Stirp. Surin. Select. p. 52.

Surinam: HOSTMANN and KAPPLER 371, named by Steud. *Miconia holosericea* D. C.

Tropical South-America.

Miconia argyrophylla D. C. Prodr. III. p. 181.

Para district: WULLSCHLÄGEL 1450 ex Cogn. l. c. 297.

Near Savannah Berlyn: WENT 373 (fl. Sept.)

Near Onoribo: SPLITGERBER 619 H. L. B. 904, 280—30 (fl. March).

Surinam River, near Sornau-kreek: KEGEL 1091 (fl. Nov.)

Surinam: HOSTMANN 1177 named *Miconia longistyla* Steud. Flora XXVII p. 722, Miq. Stirp. Surin. Select. p. 49.

Tropical Brazil, Guyana.

Miconia Sagotiana Cogn. Flora Bras. p. 299.

Para district: WULLSCHLÄGEL 1453 in herb. Brux. ex Cogn. l. c. 300.

Amazon district, French Guyana.

Miconia eriodonta D. C. Prodr. III. p. 185.

Marowynne River, near Albina: VERSTEEG 561 (fl. July).

Upper Surinam River, near Blauwe Berg: SPLITGERBER 944 H. L. B. 904, 280—31 (fl. Apr.)

French Guyana.

Miconia Kapplerii Naud. Ann. Scienc. nat. ser. 3. XVI. 162.

Surinam; KAPPLER 1675 named *Miconia lepidota* Steud. (non D. C.)

French Guyana.

Miconia prasina (Sw.) D. C. Prodr. III. p. 188.

Melastoma prasina Sw. Flora Ind. Occ. p. 777.

Paramaribo: WULLSCHLÄGEL 975 and 1779 ex Cogn. l. c. 318; KEGEL 369 (fl. Aug.)

Surinam River near Station Victoria: KAPPLER 1328.

Near Orellanakreek: FOCKE 692, named: *Miconia attenuata* D. C. by Miq. Linnaea XVIII. p. 283, and *Miconia collina* D. C. by Miq. in Stirp. Surin. Select. p. 48.

Upper Saramacca River: PULLE 182 (fl. Jan.)

In forests between the Saramacca- and Coppename River: KEGEL 1347 (fl. May).

Lower Coppename River: WENT 138 (fl. Aug.)

Upper Coppename River: BOON 1073 (fl. Aug.)

Surinam: HOSTMANN 364 and 703a. ex Cogn. l. c. 318; HOSTMANN H. L. B. 903, 322-112; KAPPLER H. L. B. 903, 322-446 and H. L. B. 903, 322-366.

var. β **collina** (D. C.) Triana Melast. 109.

Miconia collina D. C. l. c. 185.

Paramaribo: WULLSCHLÄGEL 185 ex Cogn. l. c. 318.

Saramacca River, near Maripaston: KEGEL 1359 (fl. May) named *Cremanium collinum* Griseb.

Surinam: HOSTMANN 375 named *Miconia macrophylla* Steud. Flora XXVII p. 723.

Tropical Brazil, West Indian Islands.

var. γ **attenuata** (D. C.) Cogn. l. c. 317.

Miconia attenuata D. C. l. c. 186.

Gonini River: VERSTEEG 60 (fl. Aug.)

Upper Surinam River, near Blauwe Berg: FOCKE 997 (fl. Sept.)

Upper Saramacca River: PULLE 156 (fl. Jan.)

Surinam: KAPPLER H. L. B. 903, 322-365.

French Guyana.

Miconia sarmentosa Cogn. Flora Bras. XIV. 4. p. 323.

Lawa River: KAPPLER 2137 ex Cogn. l. c.

French Guyana.

Miconia acinodendrum (L.) Triana Melast. 111.

Melastoma acinodendrum Linn. Hort. Cliff. 162.

Paramaribo: SPLITGERBER; WULLSCHLÄGEL 184 ex Cogn. l. c. 329;

KEGEL 367, 369 (fl. July); near Pocelepantje: KEGEL 162, 299 (fl. July)

named *Tschudya Berbiciana* Griseb; near Oude Ryweg: FOCKE 761,

named *Decaraphe floribunda* Miq. Linnaea XVIII. p. 280; Dr. VOLTZ without number.

Para district, near plant. Onverwacht: FOCKE 159 named *Decaraphe Fockeana* Miq.; Miq. Comm. Phyt. p. 85 tab. X. fig. F.; Linnaea XVIII p. 280 and Stirp. Surin. Select. p. 51.

Para district: NOLTE without number in herb. Götting; near Osembo: FOCKE 606 (fl. April); Dr. VOLTZ without number.

Lower Commewyne River; near plant. Nyd en Spyt: TULLEKEN 134 H. L. B. 903, 322—1380 (fl. Aug.)

Saramacca River, near Groningen: WENT 184 (fl. Aug.)

Surinam: HOSTMANN and KAPPLER ed Hohenacker 643, named *Miconia clidmioides* Steud.; HOSTMANN 643; KAPPLER 1679 and 1443 ex Cogn. l. c. 330; HOSTMANN H. L. B. 903, 322—56 and H. L. B. 903, 322—157; HOSTMANN without number in herb. Götting. named *Melastoma pleurocarpum* E. Meyer in Nova Acta Nat. Cur. Tom. 12 p. 795.
Guyana, West-Indian Islands.

Miconia ibaguensis (Bonpl.) Triana Melast. 110.

Melastoma ibaguensis Bonpl. Melast. 105 tab. 45.

var. β **glabrata (Steud.) Cogn.** Flora Bras. XIV. 4. p. 332.

Clidemia glabrata Steud. in Flora XXVII p. 721.

Paramaribo: KEGEL 370 (fl. July) named *Tschudya auriculata* Griseb.; WULLSCHLÄGEL 182, 183, 1454, 2049 ex Cogn. l. c. 333; near Oude Ryweg: FOCKE 817, named *Miconia eriophora* Miq. Comm. Phyt. 85 tab. 10. fig. G.; Linnaea XVIII, 282.

Surinam: HOSTMANN 982 and 337 named *Clidemia glabrata* Steud. l. c.; HOSTMANN H. L. B. 903, 322—342 and 903, 322—290; HOSTMANN without number in Hb. Götting. named *Melastoma holosericeum* β *acuminatum* Bonpl. cf. E. Meyer. Nova Acta Tom. XII. 794; MENZE ex Cogn. l. c.

Tropical South-America.

Miconia nervosa (Sm.) Triana Melast. 111.

Melastoma nervosum Sm. in Rees. Cyclop. XXIII.

Lawa River, near Cottica: VERSTEEG 312 (fl. Octob.)

Marowynne River: WULLSCHLÄGEL 181 ex Cogn. l. c. 337.

Surinam River, near Koffiedjampo zwamp: KEGEL 662 (fl. Sept.), named *Tschudya spondylantha* Griseb.

Upper Commewyne River: FOCKE 365 and 214 and 1156, named *Miconia Fockeana* Miq. Comm. Phyt. 87 tab. 11. fig. A.; Linnaea XVIII p. 282 and Stirp. Surin. Select. p. 51.

Saramacca River, near Jakob kondre: PULLE 116 (fl. Dec.)

Upper Nickerie River: TULLEKEN 507 H. L. B. 903, 322—996 (fl. Sept).

Surinam MENZE; BERTHOUD COULON 264; HOSTMANN 365; WULLSCHLÄGEL 38 and 1765.

Tropical South-America.

Miconia ceramicarpa (D. C.) Cogn. Flora Bras. XIV. 4. p. 338.

Clidemia ceramicarpa D. C. Prodr. III. p. 160.

Surinam River, near Statin Victoria: KAPPLER 1326 and 1327 ex Cogn. l. c. 340.

Amazon district, Guyana.

Miconia alata (Aubl.) D. C. Prodr. III. 184.

Melastoma alata Aubl. Plant. Guyan. l. 410 t. 158.

Surinam River, near Joden Savannah: KEGEL 1140 (fl. Nov.); Dr. VOLTZ without number; HOSTMANN 680, named *Miconia pterophora* Miq. Linnaea XVIII p. 622; NOLTE in Hb. Götting.; SPLITGERBER 857 H. L. B. 904, 280—28 (fl. April).

Surinam: MENZE; KAPPLER 1178 ex Cogn. l. c. 341.

Tropical and sub-tropical Brazil, Guyana.

Miconia longifolia (Aubl.) D. C. Prodr. III. 184.

Melastoma longifolia Aubl. Pl. Guyan. l. 432 t. 170.

Marowyne River: KAPPLER 2135.

Surinam: WULLSCHLÄGEL 1455 ex Cogn. l. c. 381.

Amazon district, French Guyana, Trinidad, St. Vincent.

Miconia fulva (L. C. Rich.) D. C. Prodr. III. 180.

Melastoma fulva L. C. Rich. in Bonpl. Melast. 23 tab. 11.

Surinam River, near plant. Gelderland: Dr. VOLTZ without number in Hb. Rheno Traject.

Commewyne district, near plant. Canawappibo: SPLITGERBER 291 and 501 H. L. B. 904, 280—33 (fl. Jan.)

var. ♂ **angustifolia** Cogn. l. c. 389.

Marowyne River: KAPPLER 1997 (fl. Aug.)

Miconia ciliata (L. C. Rich.) D. C. Prodr. III. 179.

Melastoma ciliata L. C. Rich. in Act. Soc. Hist. Nat. Par. 1792 p. 109.

Marowyne River, near Albina: WENT 470 (fl. Octob.); WULLSCHLÄGEL 1456 ex Cogn. l. c. 410; VERSTEEG 558 and 560 (fl. July).

Para district: near Osembo: FOCKE 605 (fl. April) named *Hartigia oblongifolia* Miq. Linnaea XVIII p. 288; FOCKE 981 named *Hartigia barbigera* Miq. Linnaea XVIII p. 623; near Kompas: WENT 398 (fl. Sept.); near Post Republiek: TULLEKEN 247 H. L. B. 903, 322—1440 and TULLEKEN 189 H. L. B. 903, 322—1262 (fl. Aug.); near Berlyn: WULLSCHLÄGEL 1689 ex Cogn. l. c. 410; KAPPLER 1011.

Lower Surinam River, near Joden Savannah: KEGEL 1158 (fl. Nov.); NOLTE without number.

Upper Surinam River, near Blauwe Berg: SPLITGERBER 944 H. L. B. 904, 280—31 (fl. April).

Surinam: ANDERSON, MENZE, HOSTMANN and KAPPLER 1011; WULLSCHLÄGEL 189 ex Cogn. l. c. 410.

Amazon district, Guyana, Venezuela, Trinidad.

Miconia racemosa (Aubl.) D. C. Prodr. III. 179.

Melastoma racemosa Aubl. Pl. Guyan. I. 406 t. 156.

Marowayne River, near Albina: WENT 479 (fl. Octob.)

Surinam River: VERSTEEG 506 (fl. June).

Paramaribo, near plant. Tourtonne: KEGEL 314 (fl. July).

Surinam: WULLSCHLÄGEL 186; HOSTMANN 497 ex Cogn. l. c. 411.

Guyana, Amazon district, Venezuela, Trinidad, Porto Rico.

var. β **barbigera** (D. C.) Cogn. l. c. 411.

Miconia barbigera D. C. Prodr. III. 179

Surinam River, near Beekhuizen: KEGEL 647 (fl. Sept.)

Near Poelepantje: KEGEL 83 (fl. July).

Near Santigron: WENT 206 (fl. Aug.)

Paramaribo: KAPPLER 1613; WULLSCHLÄGEL 186 (part.)

Surinam: FOCKE 564; HOSTMANN 497 named *Hartigia spectabilis* Miq.

Linnaea XVIII 286 tab. VII; HOSTMANN H. L. B. 903, 322—32.

Guyana, Trinidad.

MAIETA Aubl.

Maieta guyanensis Aubl. Pl. Guyan. I. 443 t. 176.

Upper Surinam River, near Bergendal: FOCKE 384 (fl. Sept.) named *Maieta dispar* Miq. Linnaea XVIII p. 277; near Blauwe Berg:

SPLITGERBER 885 H. L. B. 904, 280—25 (fl. May).

Surinam: KAPPLER 1681 ex Cogn. l. c. 464.

Amazon district, Guyana, Peru, Trinidad.

CLIDEMIA D. Don.

Clidemia hirta (Linn.) D. Don. Mem. Wern. Soc. IV. 309.

Melastoma hirta Linn. Spec. ed. I. p. 390.

Paramaribo, near Poelepantje: KEGEL 61 (fl. July).

Para district: KAPPLER 1413 ex Cogn. l. c. 475, named *Clidemia cognata* Steud. in Plantae Kapplerianae Surinam.

Surinam: FOCKE 762; HOSTMANN 14, named *Clidemia Benthamiana* Miq.

Linnaea XVIII 276; WENT 210 (fl. Aug.); HOSTMANN H. L. B. 903, 322—8.

Tropical South-America.

var. γ **elegans** (Aubl.) Griseb. Flora Br. West-Indian Islands p. 247.

Melastoma elegans Aubl. Pl. Guyan. I. 427 t. 167.

Lower Surinam River, near plant. Jagtlust: WENT 87 (fl. Aug.); near Station Victoria: KAPPLER 1324.

Paramaribo, near plant. Quarta: KEGEL 64 (fl. July); WULLSCHLÄGEL 179 ex Cogn. l. c. 476; Dr. VOLTZ without number in Hb. Rheno-Traject.; VERSTEEG 508 (fl. June).

Para district, near Post Republiek: TULLEKEN 221 H. L. B. 903, 322—1146 (fl. Aug.).

Saramacca River, near Post Groningen: WENT 183 (fl. Aug.)

Upper Saramacca River: PULLE 416 (fl. Jan.)

Surinam: SPLITGERBER 203 and 1023 H. L. B. 904, 280—10; MENZE; HOSTMANN 130; FOCKE without number.

Tropical South-America.

Clidemia japurensis D. C. Prodr. III. p. 139.

Surinam: HOSTMANN 1129 named *Spennera quintuplinervia* Miq. Stirp.

Surin. p. 57.

Amazon district.

Clidemia spicata (Aubl.) D. C. Prodr. III. p. 159. (non Don.)

Melastoma spicata Aubl. Pl. Guyan. I. 423 tab. 165.

Marowynne River, near Albina: WENT 426 (fl. Octob.)

Tapanahoni River, near Drietabbetje: VERSTEEG 672 (fl. July).

Paramaribo: SPLITGERBER 209 H. L. B. 904, 280—14; WULLSCHLÄGEL 178 ex Cogn. l. c. 487; near Poelephantje: KEGEL 62 (fl. July).

Para district: HOSTMANN 385, 1103, 1615 ex Cogn. l. c.

Saramacca River, near Jakob Kondre: PULLE 131 (fl. Dec.)

Surinam: WEIGELT ex Cogn. l. c.; FOCKE 306, 564; HOSTMANN H. L. B. 903, 322—322.

Tropical South-America.

Clidemia strigillosa D. C. Prodr. III. 159.

Tapanahoni River, near Alamandidon: VERSTEEG 845 (fl. Aug.)

British Guyana, West-Indian Islands.

Clidemia pustulata D. C. Prodr. III. p. 159.

Para district: KAPPLER 1486.

Amazon district, British Guyana, Trinidad.

Clidemia novemnervia Triana Melast. 136.

Para district: SPLITGERBER 1027 H. L. B. 904, 280—12.

Amazon district, West-Indian Islands.

Clidemia conglomerata (L. C. Rich.) D. C. Prodr. III. 146.

Melastoma conglomerata L. C. Rich. Herb. ex D. C. l. c.

Surinam: ANDERSON ex Cogn. l. c. 495.

French Guyana, Trinidad.

Clidemia involucrata D. C. Prodr. III. 163.

Para district: KAPPLER 1528 named *Clidemia quintuplinerva* Steud. in Kappler plant. Surin.

Surinam: SPLITGERBER 976, WULLSCHLÄGEL 180 ex Cogn. l. c.
French Guyana.

Clidemia Kapplerii Cogn. Flora Bras. XIV. 4 p. 496.

Marowyne River: KAPPLER 2133 H. L. B. 903, 322—494.

Surinam: KAPPLER H. L. B. 903, 322—464.

Clidemia rubra (Aubl.) Mart. Nov. Gen. et Spec. III. 152.

Melastoma rubra Aubl. Pl. Guyan. I. 416 t. 161.

Para district, near Onoribo: SPLITGERBER 692 H. L. B. 904, 280—13.

Surinam: WULLSCHLÄGEL 1459; HOSTMANN 1015, 1120, named *Sagraea cognata* Steud. Flora XXVII p. 722.

Tropical South-America.

Clidemia aphanantha Sagot Ann. Sc. nat. ser. 6. XV. p. 327.

Para district, near Onoribo: WULLSCHLÄGEL 1460 and 2048 ex Cogn. l. c. 503.

Tropical Brazil, Guyana.

Clidemia petiolata D. C. Prodr. III. 157.

Marowyne River: KAPPLER 2043, named *Clidemia cauliflora* Steud. in Kappl. Plant. Surin. No. 1908 and 2043.

French Guyana, Peru, New-Granada.

var. γ **angustifolia** Cogn. l. c. 505.

Marowyne River: KAPPLER 1908 ex Cogn. l. c.

Clidemia dentata D. Don. Mem. Wern. Soc. IV. 308.

Upper Surinam River, near Blauwe Berg: SPLITGERBER 883 H. L. B. 904, 280—8.

Tropical South-America.

BELLUCIA Neck.

Bellucia grossularioides (Linn.) Triana Melast. 141.

Melastoma grossularioides Linn. Spec. ed. I. p. 390.

Lower Marowyne River: KAPPLER 1461 named *Ischyranthera laevigata* Steud. in Plant. Kappl. Surinam. Ed. Hohenacker.

Paramaribo: WULLSCHLÄGEL 974 ex Cogn. l. c. 513.; near plant. Tour-tonne: KEGEL 337 (fl. July).

Surinam: HOSTMANN 192 and 194.

Vernacular name: »Mispelboom».

Tropical Brazil, Guyana.

Bellucia Hostmannii Naud. Ann. Sc. nat. ser. 3. XVI. p. 103.

Surinam: HOSTMANN 765a. ex Naud. l. c.

LOREYA D. C.

Loreya mespiloides Miq. Linnaea XVIII 619.

Para district, near plant. Vierkinderen: FOCKE 946 (fl. Sept.); KAPPLER 1461a ex Cogn. l. c. 524.
 Vernacular name: »Mispel".
 French Guyana, Peru.

HENRIETTEA D. C.

Henriettea succosa (Aubl.) D. C. Prodr. III. 178.

Melastoma succosa Aubl. Pl. Guyan. I. 418 t. 162.

Gonini River: VERSTEEG 236 (fl. Aug.)

Surinam River, near Beekhuizen: KEGEL 692 (fl. Febr.)

Para district; KAPPLER 1441 named *Henriettea Kappleriana* Steud. in Kappl. Pl. Surinam. Ed. Hohenacker; WULLSCHLÄGEL 973 ex Cogn. l. c. 528; Dr VOLTZ without number.

Vernacular name: »Baboen mispel".

Henriettea ramiflora (Sw.) D. C. Prodr. III. 178.

Melastoma ramiflora Sw. Fl. Ind. Occ. 775.

Surinam: HOSTMANN 373 named *Henriettea surinamensis* Miq. Stirp.

Surin. Select. p. 45.

Trinidad, Jamaica.

Henriettea Patrisiana D. C. Prodr. III. 178.

Paramaribo: FOCKE 1055 (fl. Dec.); KEGEL 368 (fl. July); WULLSCHLÄGEL 189 and 971 ex Cogn. l. c. 535.

Para district: WULLSCHLÄGEL 972 ex Cogn. l. c.; near plant. Berlyn: SPLITGERBER 751 H. L. B. 904, 380—23 (fl. March).

Surinam: HOSTMANN 360 and 999 ex Cogn. l. c.

Vernacular name: »Sergeantsklooten".

French Guyana.

Henriettea multiflora Naud. Ann. Sc. nat. ser. 3. XVIII. 105.

Paramaribo: SPLITGERBER 173 H. L. B. 904, 280—22.

Guyana.

MYRIASPORA D. C.

Myriaspora egensis D. C. Prodr. III. 165.

Surinam River, near Station Victoria: KAPPLER 1325 named *Myriaspora surinamensis* Steud in Flora XXVII p. 722.

Upper Saramacca River: PULLE 213 (fl. March).

Amazon district.

Myriaspora decipiens Naud. Ann. Sc. nat. ser. 3. XVI. 101.

Para district: KAPPLER 1514 named *Myriaspora integrifolia* Steud. in Kappl. Pl. Surin. ed Hohenacker.

Amazon district; New Grenada.

MOURIRIA Aubl.

Mouriria princeps Naud. Ann. Sc. nat. ser. 3. XVIII 283.

Gonini River: VERSTEEG 91 and 168 (fl. Aug.)

Upper Tapanahoni River: VERSTEEG 856 (fl. Aug.)

Surinam: KAPPLER H. L. B. 903, 322—376; HOSTMANN 868 ex Cogn. l. c. 570.

Amazon district, French Guyana.

Mouriria vernicosa Naud. Ann. Sc. nat. ser. 3. XVIII. 285.

Paloemeu River: VERSTEEG 906 (fl. Octob.)

Amazon district, French Guyana.

Mouriria guyanensis Aubl. Pl. Guyan. l. 453 t. 180.

Paramaribo: WULLSCHLÄGEL 190 ex Cogn. l. c. 575; near Loango:

KEGEL 440 (fl. June); FOCKE 639 (fl. Sept.) named *Mouriria polyantha* Miq. Linnaea XVIII 290; Stirp. Surin. Select. 42 t. 11.

Para district: WULLSCHLÄGEL 191 Cogn. l. c.

Lower Commewyne River: FOCKE 248 (fl. Octob.)

Surinam: SPLITGERBER 84 ex Cogn. l. c. 575; HOSTMANN 865, HOSTMANN H. L. B. 903, 323—337.

Tropical Brazil, Guyana.

Mouriria acutiflora Naud. Ann. Sc. Nat. ser. 3. XVIII. 284.

Upper Litanie River, near Knopaiamoi: VERSTEEG 406 (fl. Dec.)

Para district, near plant. la Prospérité: FOCKE 947; WULLSCHLÄGEL 191 ex Cogn. l. c. 576.

Surinam: HOSTMANN 408, 598a, named *Mouriria guyanensis* Aubl. by

Miquel Linnaea XVIII 623 and Stirp. Surin. Select. p. 43.

Amazon district.

ONAGRACEAE.

JUSSIEUA Linn.

Jussieuia latifolia Bth in Hook. Journ. of Bot. II. 317.

Gonini River: VERSTEEG 223 (fl. Sept.)

Upper Saramacca River: PULLE 143 (fl. Jan.)

Amazon district, French Guyana, Peru, Columbia.

Jussieuia nervosa Poir. Encycl. Suppl. III. 199.

Marowynne River, near Albina: WENT 473 and 480 (fl. Octob.)

Paramaribo: KEGEL 910 (fl. July).

Para district, near plant. Onverwacht: FOCKE 870 (fl. Sept.), named *Jussieuia rigida* Miq. Stirp. Surin. Select. p. 59; FOCKE 265 H. L. B. 905, 278—21; near Onoribo: SPLITGERBER 648 H. L. B. 905, 278—15 (fl. March); FOCKE 870 (fl. March).

Surinam River, near Joden-Savanne: KEGEL 1161 (fl. Nov.)

Surinam: HOSTMANN 812; HOSTMANN and KAPPLER 398; SPLITGERBER H. L. B. 905, 278—14.

Brazil, Guyana, Columbia.

Jussieuia inclinata Linn. f. Suppl. 577.

Para district: VERSTEEG 499 (fl. June).

Paramaribo: SPLITGERBER 144 H. L. B. 905, 278—10 (fl. Nov.); near Poelephantje: KEGEL 908 (fl. June); near Wanica: FOCKE 269 (fl. March).

Surinam: HOSTMANN 94a and 979; HOSTMANN H. L. B. 903, 322—63;

SPLITGERBER 770 H. L. B. 905, 278—9 (fl. Dec.); WULLSCHLÄGEL ex Micheli Flora Bras. XIII 2 p. 159.

Northern Brazil, British Guyana, Cuba.

Jussieuia decurrens D. C. Prodr. III. 56.

Lower Surinam River, near plaht. Jagthust: WENT 63 (fl. Aug.)

Paramaribo: KEGEL 934 (fl. June); near Wanicapad: FOCKE 80 H. L. B. 905, 278—20 (fl. Sept.)

Para district, near Post-Republiek: TULLEKEN 231 H. L. B. 903, 322—1151.

Surinam: FOCKE 45 named *Jussieuia pterophora* Miq. Ann. nat. hist.

Xl. p. 13; HOSTMANN 1169; LANDRÉ 898 H. L. B. 905, 278—13
Tropical America.

Jussieuia erecta Linn, Spec. 556.

Lower Surinam River, near plant. Jagtlust: FOCKE 478; near plant.
Geyersvlyt: KEGEL 1021 (fl. Sept.)

Paramaribo: SPLITGERBER 265 H. L. B. 905, 278—8 (fl. Dec.); TULLEKEN
123 H. L. B. 903, 322—1477 (fl. Aug.).

All tropical countries,

Jussieuia linifolia Vahl Eclog. II. 31.

Paramaribo: KEGEL 909 (fl. June)

All tropical countries.

Jussieuia pilosa H. B. K. Nov. Gen. et Spec. VI. 191 t. 532.

Cottica district, near Oranjewoud: FOCKE 721 named *Jussieuia suri-*
namensis Miq. Linnaea XVIII p. 370.

Lower Commewyne district: FOCKE 1328 (fl. Octob.) named *Jussieuia*
aluligera Miq. Stirp. Surin. Select. p. 19

Tropical and sub-tropical America.

Jussieuia affinis D. C. Prodr. III. 53.

Marowyne River, near Albina: WENT 476 (fl. Octob.); VERSTEEG 10
(fl. July).

Upper Litanie River: VERSTEEG 344 (fl. Nov.).

Paramaribo: KEGEL 911 (fl. June); near Wanicapad: FOCKE 647 (fl. Sept.)
named *Jussieuia hexamera* Miq. in Ann. scienc. nat. ser. III. T. I. p. 36.

Para district near Osembo: FOCKE 597 (fl. April); FOCKE 43 H. L. B.
905, 278—19.

Lower Saramacca River, near plant. Catharina Sophia: SPLITGERBER
840 H. L. B. 905, 278—17 and 18 (fl. Apr.); FOCKE 299 (fl. March).

Upper Saramacca River: PULLE 161 (fl. Jan).

Coronie: TULLEKEN 546 H. L. B. 903, 322—953 (fl. Octob.)

Tropical South-America.

Jussieuia suffruticosa Linn. Spec. 555.

Marowyne River, near Albina: VERSTEEG 8 (fl. July).

Lawa River: VERSTEEG 133 (fl. Aug.).

Lower Surinam River, near Jagtlust: WENT 37 and 95 (fl. Aug.).

Paramaribo: TULLEKEN 52 H. L. B. 903, 322—1297 (fl. July); WENT
286 (fl. Aug.).

Surinam: FOCKE.

All tropical countries;

UMBELLIFERAE.

HYDROCOTYLE Linn.

Hydrocotyle umbellata Linn. Spec. Pl. 234.

Paramaribo: KEGEL 358 (fl. July).

Surinam: DUMORTIER; HOSTMANN ex Urb. Flora Bras. XI. 1 p. 27;

WULLSCHLÄGEL 225 and 859.

var. γ **scaposa** (Steud.) Urb. l. c. 270.

Hydrocotyle scaposa Steud. Flora 1843 p. 763; Miquel Linnaea XVIII p. 372.

Paramaribo: KAPPLER ed. Hohenacker 1874 (fl. Apr.).

Surinam: WULLSCHLÄGEL 224; HOSTMANN 392; HOSTMANN H. L. B. 903, 322—128.

Tropical and subtropical America, South-Africa.

ERYNGIUM Linn.

Eryngium foetidum Linn. Spec. plant. 336.

Lawa River: VERSTEEG 264 (fl. Octob.)

Paramaribo: KEGEL 31 (fl. June); TULLEKEN 104 H. L. B. 903, 322—1458 (fl. Aug.); WENT 320 (fl. Aug.).

Surinam River, near plant. Domburg: TULLEKEN 262 H. L. B. 903, 322—1162 (fl. Aug.)

Saramacca River, near Maripaston: PULLE 8 (fl. Nov.)

Surinam: SPLITGERBER 43 H. L. B. 905, 278—34 (fl. Nov.); HOSTMANN H. L. B. 903, 322—80.

Vernacular name: »Sneki-wiwirie"; »Losau-wiwirie" (Tulleken); »Kwintiti" (Versteeg).

All tropical and subtropical America.

MYRSINACEAE.

ARDISIA Swartz.

Ardisia guyanensis (Aubl.) Mez in Urb. Symb. Antillan. II. 392.

Icacorea guyanensis Aubl. Plant. Guyan. II. Suppl. p. 1 t. 368.

Marowyne River: KAPPLER, ed. Hohenacker (coll. 1861) 2105 and 2107;

KAPPLER H. L. B. 903, 322—487 and 903, 322—493.

Northern Brazil, Guyana, Venezuela, West-Indies.

CONOMORPHA A. DC.

Conomorpha magnoliifolia Mez in "das Pflanzenreich" IV. 236 p. 258.

Surinam: HOSTMANN 1058; KEGEL 244 named by Miquel Linnaea XXII
p. 75: *Conomorpha laxiflora* A. DC.

British Guyana.

Conomorpha multipunctata (A. DC.) Miq. Stirp. Surin. Select. p. 111 t. 34.

Cybianthus multipunctatus A. DC. Prodr. VIII p. 117.

Surinam: KAPPLER 1729.

French Guyana.

STYLOGYNE A. DC. (emend Mez.)

Stylogyne surinamensis (Miq.) Mez in "das Pflanzenreich" IV. 236 p. 271.

Ardisia surinamensis Miq. Flora Bras. X. p. 298,

Paramaribo, near Poelepantje: KEGEL 842.

Upper Saramacca River, near Toekoemoetoe: PULLE 457 (fl. Febr.).

Upper Coppename River: BOON 1165 (fl. Sept.).

Surinam: HOSTMANN 617; HOSTMANN 166 named *Ardisia Hostmanni*
Miq. Flora Bras. X. p. 288.

Stylogyne Kappleri Mez in "das Pflanzenreich" IV. 326 p. 275.

Marowyne River: KAPPLER (coll. 1861) H. L. B. 903, 322—477.

Tapanahoni River: VERSTEEG 656 (fl. July).

Paramaribo: KAPPLER ed. Hohenacker 1633 (fl. March-April); named
Ardisia nigricans (A. DC.) Miq. Flora Bras. X p. 290.

Stylogyne micans Mez in »das Pflanzenreich" IV. 236 p. 272.

Lawa River; KAPPLER (coll. 1861) ed. Hohenacker 2106; KAPPLER H. L. B. 903, 322--361.

WEIGELTIA A. DC.

Weigeltia surinamensis (Spreng. f.) Mez in »das Pflanzenreich" IV. 236 p. 289.

Salvadora surinamensis Spreng f. Tent. (1828) n. 25.

Marowyne River: KAPPLER (coll. 1861) H. L. B. 903, 322--482.

Paramaribo: SPLITGERBER 769 H. L. B. 900, 211--556 (fl. March);

KEGEL 354 named by Miquel Linnaea XXII p. 75: *Weigeltia myrianthos* A. DC.

Lower Coppename River: WENT 134 (fl. Aug.).

Surinam: HOSTMANN and KAPPLER 1138 named *Weigeltia capitellata* Miq. in sched.; HOSTMANN 529, 675, named *Cybianthus myrianthos* Miq. Flora Bras. X. p. 300; HOSTMANN 535; HOSTMANN H. L. B. 903, 322--29; KAPPLER 2157; WULLSCHLÄGEL 857 and 1326 ex Mez l. c.; WEIGELT 2922 named *Wallenia myrianthos* Reichb.

RAPANEA Aubl.

Rapanea guyanensis Aubl. Plant. Guyan. I. 121 t. 46.

Surinam: HOSTMANN 288; HOSTMANN and KAPPLER 949; KEGEL 252 named by Miquel Flora Bras. X. p. 307: *Myrsine Rapanea* Röm. et Schult.

All tropical America.

THEOPHRASTACEAE.

CLAVIJA Ruiz et Pav.

Clavija lancifolia Desf. in Nouv. Ann. Mus. I. 402 t. 14.

Paramaribo: WULLSCHLÄGEL 1059; near Beekhuizen: KEGEL 1007.

Lower Coppename River: WENT 104 (fl. Aug.)

Upper Coppename River, near Raleigh-falls: BOON 1013 (fl. Aug.) and 1138 (fr. Sept.)

Upper Nickerie River, near Blanche Marie-falls: TULLEKEN 329 H. L. B. 903, 322—1602 (fr. Sept.)

Surinam: KAPPLER ex Mez in das Pflanzenreich IV. 236a p. 28.

Venezuela, French Guyana, Amazon district.

PLUMBAGINACEAE.

PLUMBAGO Linn.

Plumbago scandens Linn. Spec. pl. ed. I. 215.

Lower Marowyné River, near Galibi: WENT 417 (fl. Octob.)

Western Coronié: TULLEKEN 579 H. L. B. 903, 322—986 (fl. Octob.).

Tropical America.

Plumbago coccinea Boissier in D. C. Prodr. XII p. 693.

Paramaribo: KEGEL 1241 (fl. Jan.)

Cultivated in gardens.

East-India

SAPOTACEAE.

ACHRAS Linn.

Achras Sapota Linn. Spec. pl. 470.

Surinam: SPLITGERBER 243 H. L. B. 905, 278—26 (fl. Dec.).

Vernacular name: »Sapotille».

West-Indies; cultivated in all tropical countries.

CHRYSOPHYLLUM Linn.

Chrysophyllum Cainito Linn. Spec. plant. 278.

Lower Surinam River, near plant. Jagtlust: TULLEKEN 94 H. L. B. 903, 322—1373 (fl. July).

Lower Saramacca River, near Maripaston: PULLE 1 (fl. and fr. Nov.).

Vernacular name: »Apra» or »Sterappel»

All tropical America; often cultivated.

Chrysophyllum sericeum A. DC. Prodr. VIII. p. 158.

Surinam: HOSTMANN and KAPPLER 1139; HOSTMANN 630 and 1139;

HOSTMANN H. L. B. 903, 322—199; WULLSCHLÄGEL.

Guyana.

Chrysophyllum oleaefolium Spruce ex Miq. Flora Bras. VII. p. 102.

Upper Saramacca River, near Janbasigado: PULLE 1336 (fl. Jan.)

Amazon district.

Chrysophyllum brasiliense A. DC. Prodr. VIII p. 156.

Surinam: HOSTMANN and KAPPLER 1135.

Amazon district.

MIMUSOPS Linn.

Mimusops surinamensis Miq. Flora Bras. VII p. 43.

Surinam: HOSTMANN 739 and 739a.

Northern Brazil.

Mimusops Balata Gärtn. Fr. et Sem. III. 133 t. 205.

Upper Marowynne River: VERSTEEG 586 (fl. July).

Lower Surinam River, near plant. Jagtlust: WENT 27.

Surinam: BLEEKRODE H. L. B. 905, 278—22.

Vernacular name: "Bolletrie".

Guyana, West-Indian Islands.

EBENACEAE.

DIOSPYROS Dalech.

Diospyros guyanensis (Aubl.) Gürke Natürl. Pflanzenfam. IV. 1 p 163.

Paralea guyanensis Aubl. plant. Guyan. 1. 576 t. 231,

Paramaribo: KEGEL 926 (fr. July).

Upper Saramacca River: PULLE 147 (fl. Jan.)

Surinam: HOSTMANN 547; KAPPLER 1638.

Guyana.

SYMPLOCACEAE.

SYMPLOCOS Linn.

Symplocos guyanensis (Aubl.) Gürke Natürl. Pflanzenfam. IV. 1 p. 172.

Ciponima guyanensis Aubl. Plant. Guyan. I. 567 t. 226.

Surinam: HOSTMANN 1160 and 1186.

var. β **paraensis** Brand Pflanzenreich IV. 242 p. 84.

Surinam: WULLSCHLÄGEL 851; 926 and 1666 ex Brand l. c. p. 93.

Northern Brazil, Guyana, Trinidad.

STYRACACEAE.

STYRAX Linn.

Styrax psilophylla A. DC. Prodr. VIII. p. 266.

Surinam: HOSTMANN and KAPPLER ed. Hohenacker 1165.
Guyana,

LOGANIACEAE.

SPIGELIA Linn.

Spigelia Anthelmia Linn. Spec. plant. ed. I. 149.

Upper Tapanahoni River: VERSTEEG 821 (fl. Aug.).

Paramaribo: SPLITGERBER 270 H. L. B. 905, 278—7 (fl. Nov.) near plant.

Kwatta: KEGEL 137.

Surinam: HOSTMANN H. L. B. 903, 322—83, WULLSCHLÄGEL.

Tropical South-America.

Spigelia multispica Steud. Flora 1843 p. 764.

Gonini River: VERSTEEG 108 (fl. Aug.).

Paramaribo: KEGEL 137 (fl. July); WENT 340 (fl. Octob.)

Upper Surinam River: FOCKE 1288.

Upper Saramacca River: PULLE 475 (fl. March.)

Surinam: HOSTMANN and KAPPLER 851a; WULLSCHLÄGEL; HOSTMANN 1172.

Northern Brazil, French Guyana.

STRYCHNOS Linn.

Strychnos Rouhamon Bth. Journ. Linn. Soc. I. 105.

Rouhamon guyanense Aubl. Plant. Guyan. I. 93 t. 36.

Marowayne River: KAPPLER (coll. 1861) H. L. B. 903, 322—380.

Northern Brazil, Guyana.

POTALIA Aubl.

Potalia amara Aubl. Plant. Guyan. I. 394 t. 151.

Lawa River, near Cottica Mountains: VERSTEEG 323 (fl. Octob.)

Northern Brazil, Guyana, Peru.

GENTIANACEAE.

CURTIA Cham et Schlechtd.

Curtia tenuifolia (Aubl.) Knobl. ex Gilg. Natürl. Pflanzenfam. IV. 2 p. 70.

Exacum tenuifolium Aubl. Plant. Guyan. 70 t. 26. f. 2, 9, 10.

Para district, near Klein Onoribo: SPLITGERBER 664 H. L. B. 903,
249—7 (fl. March).

Surinam: WULLSCHLÄGEL ex Progel Flora Bras. VI. 1 p. 218.

Brazil, Guyana.

IRLBACHIA Mart.

Irlbachia coerulescens (Aubl.) Griseb. Gen. et Spec. gent. 195.

Lisianthus coerulescens Aubl. Plant. Guyan. I. 207. t. 82.

Para district: SPLITGERBER 977 H. L. B. 903, 251—54 (fl. March); near
plant. Berlyn: and plant. l'Inquiétude: FOCKE without number.

Surinam: WULLSCHLÄGEL ex Progel l. c. 236.

Brazil, Guyana.

SCHULTESIA Mart.

Schultesia heterophylla Miq. Linnaea XIX, p. 136.

Surinam: HOSTMANN 427.

British Guyana, Brazil.

Schultesia brachyptera Cham. in Linnaea VIII. p. 8.

Paramaribo: KEGEL 439 (fl. Aug.).

Para district, near Post Republiek: TULLEKEN 224 H. L. B. 903,
322—1148.

Surinam River, near Blauwe Berg: SPLITGERBER 942 H. L. 903, 251—215
(fl. May).

Surinam: HOSTMANN H. L. B. 903, 322—136; FOCKE 2; WULLSCHLÄGEL
ex Progel l. c. 208.

Brazil, Guyana.

COUTOUBEA Aubl.

Coutoubea spicata Aubl. Plant. Guyan. l. 72 t. 27.

Lower Marowyne River, near Albina: WENT 478 (fl. Octob.).

Para district, near Berlyn: WENT 378 (fl. Sept.); FOCKE 1031.

Surinam River, near plant. Phaedra: Dr. VOLTZ without number; near

Blauwe Berg: SPLITGERBER 965 H. L. B. 903, 248—465.

Surinam: HOSTMANN 645. named *Coutoubea lutea Steud.* Flora 1843 p.

765; KAPPLER 1564; HOSTMANN H. L. B. 903, 322—233; WULLSCHLÄGEL

ex Progel l. c. 211.

Tropical South-America.

Coutoubea ramosa Aubl. Plant. Guyan. l. 74 t. 28.

var. α **racemosa Benth.** in Hook. Journ. of Bot. VI. 198,

Lower Marowyne River, near Albina: WENT 430 (fl. Octob.)

Paramaribo, near Poelepantje: KEGEL 605 (fl. Sept.)

Upper Coppename River: BOON 1125 (fl. Sept.)

Surinam: WULLSCHLÄGEL ex Progel l. c. 211.

var. β **vulgaris Bth** l. c.

Marowyne River: KAPPLER (coll. 1861) H. L. B. 903, 322—523.

Gonini River: VERSTEEG 110 (fl. Aug.).

Paramaribo: near Wanicapad: SPLITGERBER 231 H. L. B. 903, 284—457
(fl. Nov.)

Surinam River, near Bergendal: FOCKE 37 (fl. Sept.)

Lower Saramacca River: PULLE 15 (fl. Nov.)

Upper Saramacca River: PULLE 194 (fl. Jan.).

Surinam: HOSTMANN 370, 586a.

Brazil, Guyana.

CHELONANTHUS Gilg.

Chelonanthus uliginosus (Griseb.) Gilg Natürl. Pflanzenfam. IV. 2 p. 98.

Lisianthus uliginosus Griseb. Gen. et Spec. gent. 181.

Para district: FOCKE 999; near plant. Hannover: SPLITGERBER 1090

H. L. B. 903, 251—68 (fl. May) named *Lisianthus pendulus Bth.*

Surinam River, near Blauwe Berg: SPLITGERBER 918 H. L. B. 903,
251—69 (fl. Aug.)

Surinam: HOSTMANN 29 named *Lisianthus amoenus Miq.* Linnaea XIX
p. 139; WEIGELT; WULLSCHLÄGEL ex Progel Flora Bras. VI. 1 p. 237.

Brazil, Guyana, Venezuela.

Chelonanthus chelonoides (Linn. f.) Gilg Natürl. Pflanzenfam. IV. 2 p. 132.

Lisianthus chelonoides Linn. f. Suppl. 134.

Para district: VERSTEEG 488 (fl. June); SPLITGERBER 1091 H. L. B. 903,
251—60 and 61 (fl. May); FOCKE 29 H. L. B. 903, 251—58 (fl. April);

near Savanne Kompas: WENT 407 (fl. Sept.); near Santigrón: WENT

200 (fl. Aug.); near Post-Republiek: TULLEKEN 191 H. L. B. 903, 322—1171 and TULLEKEN 245 H. L. B. 903, 322—1416 (fl. Aug.); near Onoribo: FOCKE 152 (fl. March).
 Surinam River, near Joden-Savanne: FOCKE 404 (fl. Aug.).
 Paulus kreek: FOCKE 152.
 Tropical South-America.

Chelonanthus alatus (Aubl.) Pulle.

Lisianthus alatus Aubl. Plant. Guyan. I. 214 t. 80.

Para district, near Onoribo: FOCKE 151 (fl. March); SPLITGERBER 946 H. L. B. 903, 251—48 and SPLITGERBER 1092 H. L. B. 903, 251—47 (fl. May).
 Cottica River, near plant. Poelwyk and Post Belair: SPLITGERBER 808 H. L. B. 903, 251—46 (fl. April).
 Northern Brazil, French Guyana.

VOYRIA Aubl.

Voyria rosea Aubl. Plant. Guyan. 209 t. 83 f. 1.

Upper Coppename River: BOON 1176 (fl. Sept.) and 1217 (fl. Octob.) French Guyana.

Voyria coerulea Aubl. Plant. Guyan. 211 t. 83 f. 2.

Upper Nickerie River: TULLEKEN 375 H. L. B. 903, 322—1101 (fl. Sept.) French Guyana.

VOYRIELLA Miq.

Voyriella parviflora Miq. Stirp. Surin. Select. p. 146.

Voyria parviflora Miq. Tydschrift. Wis- en Natuurk. Wetenschappen II. p. 124.
 Upper Surinam River, near Bergendal: FOCKE 1317 (fl. May).
 Northern Brazil.

LEIPHAIMOS Cham. et Schlecht.

Leiphaimos aphylla (Jacq.) Gilg. Natürl. Pflanzenfam. IV. 2 p. 104.

Gentiana aphylla Jacq. Americ. 87 t. 60 f. 3.

Paramaribo: FOCKE 1433 (fl. Jan.) named by Miquel, Tydschr. Wis- en Natuurk. Wetenschap.: *Voyria uniflora* Lam.; KEGEL 458 (fl. Aug.) named *Voyria pallida* Garcke, Linnaea XXII. p. 65.
 Surinam: HOSTMANN 588; HOSTMANN H. L. B. 903, 322—135; WULLSCHLÄGEL ex Progel Flora Bras. VI. 1 p. 222.
 Tropical America.

Leiphaimos calycina (Splitg.) Miq. Stirp. Surin. Select. 149.

Voyria calycina Splitg. in D. C. Prodr. IX. p. 562.
 Gonini River: VERSTEEG 173 (fl. Aug.)

Tapanahoni River: VERSTEEG 903 (fl. Sept.).

Upper Surinam River, near Blauwe Berg: SPLITGERBER 900 H. L. B. 903, 251—478 (fl. May) named by Splitgerber, Tydschrift Nat. Geschied. en Phys. VII p. 137: *Voyria spathacea* Lam.; FOCKE 1316. Surinam: HOSTMANN 1201 p. p.

Leiphaimos aurantiaca (Splitg.) Miq. Stirp. Surin. Select. p. 149.

Voyria aurantiaca Splitg. Tydschr. Nat. Geschied. en Phys. VII. p. 135. Tab. I. fig. 3; Miquel in Tydschrift Wis- en Natuurkundige Wetenschap. II. p. 124.

Para district, near Berlyn: SPLITGERBER 729 H. L. B. 903, 251—473 (fl. March.)

Upper Saramacca River, near Janbasigado: PULLE 175 (fl. Jan.).

Surinam: HOSTMANN 1201 p. p. named *Voyria angustiflora* Steud. Flora 1843 p. 765.

Leiphaimos corymbosa (Splitg.) Gilg Natürl. Pflanzenfam. IV. 2 p. 104.

Voyria corymbosa Splitg. Tydschr. Natuurk. Geschied. en Phys. VII. p. 136 t. II. f. 4.

Gonini River: VERSTEEG 197 (fl. Sept.).

Para district: KAPPLER ed. Hohenacker 1533 (fl. Febr.-April.)

Surinam River, near Blauwe Berg: SPLITGERBER 882 H. L. B. 903, 251—475 (fl. May) named *Leianthostemon corymbosus* Miq. Stirp. Surin. Select. p. 147.

Leiphaimos nivea (Miq.) Gilg Natürl. Pflanzenfam. IV. 2 p. 104.

Voyria nivea Miq. Linnaea XIX p. 140; Miq. in Tydschr. Wis- en Natuurk. Wetenschap. II. 125.

Leianthostemon niveus Miq. Stirp. Surin. Select. p. 148.

Para district, near Berlijn: FOCKE 1045.

Surinam River, near Bergendal: FOCKE (fl. May).

Leiphaimos clavata (Splitg.) Gilg Natürl. Pflanzenfam. IV. 2. p. 104.

Voyria clavata Splitg. Tydschr. Natuurk. Geschied. en Phys. VII. p. 133 Tab. I. f. 1.

Pneumonanthesis clavata Miq. Stirp. Surin. Select. p. 150.

Lawa River, near Manlobbi: VERSTEEG 200 (fl. Sept.).

Tapanahoni River: VERSTEEG 639 (fl. July).

Saramacca River: SPLITGERBER 1061 H. L. B. 903, 251—474 (fl. June).

Leiphaimos leucantha (Miq.) Gilg Natürl. Pflanzenfam. IV. 2 p. 104.

Voyria leucantha Miq. Tydschrift Wis- en Natuurk. Wetenschap. II. p. 124.

Pneumonanthesis leucantha Miq. Stirp. Surin. Select. p. 150.

Tempati River: FOCKE 1253 (fl. Sept.)

Leiphaimos nuda (Splitg.) Miq. Stirp. Surin. select. p. 149.

Voyria nuda Splitg. Tydschr. Nat. Geschied. en Phys. VII. p. 134 Tab. I. f. 2.

Tapanahoni River: VERSTEEG 637 and 638 (fl. July).

Para district: SPLITGERBER 730 H. L. B. 903, 251—477 (fl. March).

LIMNANTHEMUM S. G. Gmel.

Limnanthemum Humboldtianum (H. B. K.) Griseb. Gen. et Spec.
Gent. 364.

Villarsia Humboldtiana H. B. K. Nov. Gen. et Spec. III. p. 187.

Lower Surinam River, near plant. Jagtlust: FOCKE 489; WENT 29
(fl. July).

Paramaribo: SPLITGERBER 99 H. L. B. 903, 250—471 (fl. Nov.)

Para district: FOCKE 96 (fl. March.)

Coronie: TULLEKEN 542 H. L. B. 903, 322—949 (fl. Octob.)

Surinam: HOSTMANN H. L. B. 903, 322—234; DUMORTIER; WULLSCHLÄGEL
ex Progel l. c. 244.

Tropical and sub-tropical South-America.

APOCYNACEAE.

ALLAMANDA Linn.

Allamanda cathartica Linn Mant. 214.

Marowyne River, near Albina: VERSTEEG 11 (fl. July).

Gonini River: VERSTEEG 62 (fl. Aug.)

Tapanahoni River: VERSTEEG 744 (fl. Aug.)

Paramaribo: WENT 254 (fl. Aug.).

Para district, near Beekhuizen: KEGEL 941 (fl. June); Dr. VOLTZ without number.

Surinam River: SPLITGERBER 230 H. L. B. 898, 129—36 (fl. Nov.); near plant. Domburg: TULLEKEN 175 H. L. B. 903, 322—1169 and 1407 (fl. July); TULLEKEN 266 H. L. B. 903, 322—1155 (fl. Aug.).

Saramacca River, near Mindrinetti: PULLE 55 (fl. Nov.)

Coppename River: BOON 1054 (fl. Aug.).

Upper Nickerie River: TULLEKEN 408 H. L. B. 903, 322—1507 (fl. Sept.)

Surinam: HOSTMANN H. L. B. 903, 322—334; TULLEKEN 138 H. L. B. 903, 322—1384 (fl. Aug.).

Vernacular name: "Jasbita" (Splitg.) or "Anoura" (Boon.) or "Wilkins-bit".

LANDOLPHIA Pal. de Beauv.

Landolphia guyanensis (Aubl.) Pulle.

Pacourea guyanensis Aubl. Plant. Guyan. I. p. 268 t. 105.

Rami teretes brunnei glabri, lenticellis crebis conspersi. Folia glabra, opposita oblonga vel ovato-oblonga basi obtusa apice obtuse cuspidata, integerimma, nervis lateralibus margine arcuatis, supra impressis, subtus valde prominentibus. Petioli breves, supra canaliculati. Pedunculi terminales vel laterales, volubiles, versus apicem divisi, ramis apice multifloris. Pedicelli calyce sub-aequilongi hirsuti, bracteola parva laciniis calycis brevioribus suffulti. Calyx ad $\frac{1}{2}$ latitudinis 5-partitus extus hirsutus intus glaber, laciniis ovato-acutis valde concavis carnosus. Corolla glabra coriacea dilute flava, tubo calyce multo longiore in parte inferiore ad insertionum antherarum paulo dilatato. Lobi tubo paulo longiores valde con-

torti lanceolati apice obtusi margine sparse ciliati. Antherae apice acutae basi obtusae filamentis paulo supra basin insertis, antheris multo brevioribus. Ovarium subrotundum, hirsutum, placentis 2 valde prominentibus, in parte inferiore et superiore ovarii connatis, in parte intermedia liberis, ovulis numerosis. Stylus brevis, stigmatе conico apice bicuspidato. Discus annularis, minutus. Bacca (immatura) glabra, perfecte globosa, viridis, unilocularis. Semina ad 12 in pulpa nidulantia.

Frutex alte scandens, latescens. Folia 12—15 cM longa, 6—7 cM. lata, nervis lateralibus utrinque 12—13. Petiolus 3—5 mM. longus. Pedunculus ad 20 cM. longus. Calyx cum pedicello 5 mM. longus; tubus floris 11 mM. longus, lobi 14 mM. longi, 2 mM. lati. Antherae $1\frac{1}{2}$ mM. longae, filamenta $\frac{1}{2}$ —1 mM. longa. Ovarium 1 mM. latum, stylus $3\frac{1}{2}$ mM. longus, Bacca (immatura) 8 cM. lata.

Pl. XVI.

Tapanahoni River: VERSTEEG 741 (fl. Sept.).

Upper Saramacca River: PULLE 498 (fl. and fr. March).

Upper Coppename River: BOON 1106 (fr. Sept.).

French Guyana.

PLUMIERA Linn.

Plumiera rubra Linn. Spec. plant. 306.

Marowynne River, near Albina: VERSTEEG 554 (fl. July).

Paramaribo: KEGEL 922 (fl. July).

Saramacca River, near Groningen: WENT 165 (fl. Aug.).

Surinam: SPLITGERBER H. L. B. 898, 111—223 (fl. March).

Cultivated.

Mexico, Venezuela.

CONDYLOCARPUS Desf.

Condylocarpus myrtifolius (Miq.) Müll. arg. Flora Bras. VI. 1 p. 65.

Hortsmannia myrtifolia Miq. Stirp. Surin. Select. p. 167.

Paramaribo, near Beekhuysen: KEGEL 1009 (fl. Sept.).

Surinam: HOSTMANN 462 and 1196; FOCKE 958.

LOCHNERA Reichb.

Lochnera rosea (Linn.) Reichb.

Vinca rosea Linn. Spec. plant. 305.

Lower Marowynne River, near Galibi: WENT 423 (fl. Octob.).

Paramaribo: KEGEL 602 (fl. Sept.).

Western Coronie: TULLEKEN 567 H. L. B. 903, 322—974 (fl. Octob.).

All tropical countries.

TABERNAEMONTANA Linn.

Tabernaemontana oblongifolia A. DC. Prodr. VIII. 368.



Enl. de la Pl. de la Guyane

Gravé par L. W. M. Trap

Passiflora guyanensis Aubl.

Surinam: HOSTMANN 1314 named by Miers, Apocyn. South-Americ :
Bonafusia attenuata Miers.
 Brazil, French Guyana.

Tabernaemontana rupicola Bth. in Hook. Journ. of Bot. III. 243.
 Lawa River, near Cottica Mountains: VERSTEEG 259 (fl. Octob.)
 Upper Saramacca River, near Janbasigado: PULLE 138 (fl. Jan.).
 Amazon district.

Tabernaemontana olivacea Müll. arg. in Flora Bras. VI 1 p. 75.
 Surinam: KAPPLER 314 ex Müll. arg. l. c.
 Northern Brazil, Peru.

Tabernaemontana heterophylla Vahl. Eclog. II. 22.
 Gonini River: VERSTEEG 194 (fl. Sept.).
 Tapanahoni River: VERSTEEG 579 (fl. July).
 Paramaribo: SPLITGERBER 143 H. L. B. 898, 111—446 (fl. Nov.): near
 Beekhuizen: KEGEL 601 (fl. July).
 Para district, near plant. la Rencontre: FOCKE 788 named *Peschiera*
diversifolia Miq. Stirp. Surin. Select. p. 164 t. 47.
 Surinam River: KEGEL 217; near Joden-Savanne: KEGEL 601 (fl. Nov.).
 Pauluskreek: FOCKE 1412 (fl. Sept.).
 Saramacca River, near Jakob-Kondre: PULLE 132 (fl. Dec.).
 Surinam: WULLSCHLÄGEL 317; KAPPLER ed. Hohenacker 1632; Host-
 MANN 9; FOCKE 1215; NOLTE in Hb. Götting.
 Northern Brazil, Guyana.

Tabernaemontana grandiflora Jacq. Americ. p. 40 t. 31.
 Marowynne River, near Galibi: WENT 420 (fl. Octob.).
 Lower Surinam River, near plant. Jagtlust: WENT 90 (fl. Aug.); FOCKE 490.
 Paramaribo: FOCKE 490 (fl. Apr.); SPLITGERBER 140 H. L. B. 898,
 112—13 (fl. Nov.); KEGEL 158 (fl. July); PREUSS 1399 in herb. Berol.
 Surinam: DUMORTIER; HOSTMANN 903, 322—341.
 Tropical South-America.

Tabernaemontana Meyeri G. Don. Gen. Syst. IV. 89.
Tabernaemontana undulata G. F. W. Mey. Prim. Flor. Esseq. 135.
 Tapanahoni River: VERSTEEG 634 (fl. July).
 Para district, near Post Republiek: TULLEKEN 190 H. L. B. 903, 322—
 1170, 1263 and 1418 (fl. Aug.); TULLEKEN 241 H. L. B. 903, 322—
 1424 (fl. Aug.); FOCKE 991.
 Surinam River, near Bergendal: FOCKE 991 (fl. Sept.).
 Lower Saramacca River, near Mindrinetti: PULLE 52 (fl. Nov.).
 Coppename River: BOON 1024 (fl. Aug.).
 Nickerie River: TULLEKEN 382 H. L. B. 903, 322—1098 (fl. Sept.).
 Surinam: HOSTMANN and KAPPLER 564 named by Miquel: *Peschiera*

echinata D. C.; KAPPLER 1398, named *Peschiera surinamensis* Miq.
 Linnaea XVIII. p. 742.

Guyana.

***Tabernaemontana albiflora* (Miq.) Pulle.**

Peschiera albiflora Miq. Stirp. Surin. Select. p. 165.

Surinam River, near Station Victoria: KAPPLER ed. Hohenacker 1312
 (fl. Octob.)

Surinam: HOSTMANN 1312.

***Tabernaemontana longifolia* Bth. in Hook. Journ. of Bot. III. 243.**

Para district, near Beekhuizen: KEGEL 851 (fl. March).

Saramacca River, near Beaulieu: WENT 405 (fl. Sept.); near Maripaston:

PULLE 31 (fl. Nov.); near Janbasigado: PULLE 150 (fl. Jan.).

Coppename River: BOON 1061 (fl. Aug.).

Upper Nickerie River: TULLEKEN 429 H. L. B. 903, 322—1529 (fl. Sept.)

Surinam: SPLITGERBER 176 H. L. B. 898, 111—401 (fl. Nov.), named:

Tabernaemontana alba Mill; FOCKE 200 and 223 named by Miquel:

Tabernaemontana tetrastachya H. B. K.; KAPPLER ed. Hohenacker
 1627; HOSTMANN H. L. B. 903, 322—170.

Guyana.

RAUWOLFIA Linn.

***Rauwolfia ternifolia* H. B. K. Nov. Gen. et Spec. III. p. 232.**

Surinam River, near Bergendal: FOCKE 1287 (fl. May).

Venezuela

THEVETIA Linn.

***Thevetia neriifolia* Juss. ex A. DC. Prodr. VIII. p. 343.**

Lower Surinam River, near Jagtlust: WENT 98 (fl. Aug.)

Paramaribo: KAPPLER 1635.

Coronie: TULLEKEN 556 H. L. B. 903, 322—963 (fl. Sept.).

Surinam: SPLITGERBER 366 H. L. B. 898, 112—153 (fl. Dec.)

Cultivated; vernacular name: »Jurri-jurri» (Splitg.).

Tropical South-America.

SECONDATIA A. DC.

***Secondatia densiflora* A. DC. Prodr. VIII. p. 445.**

Lawa River: VERSTEEG 451 (fl. Octob.).

Brazil, Guyana.

ECHITES Linn.

***Echites trifida* Jacq. Americ. p. 31. t. 24.**

Marowynne River: KAPPLER (coll. 1861) H. L. B. 903, 322—431.

- Gonini River: VERSTEEG 86 (fl. Aug.).
 Tapanahoni River: VERSTEEG 819 (fl. Aug.).
 Paramaribo, near Poelepantje: KEGEL 297 (fl. July).
 Lower Saramacca River: PULLE 92 (fl. Nov.).
 Upper Saramacca River: PULLE 149 (fl. Jan.) and 473 (fl. March).
 Upper Coppename River: BOON 1159 and 1089 (fl. Aug.-Sept.).
 Upper Nickerie River: TULLEKEN 365 H. L. B. 903, 322—1104 (fl. Sept.).
 Surinam: SPLITGERBER 126 H. L. B. 898, 110—152 (fl. Nov.); HOSTMANN 549, named *Echites disadena* Miq. Stirp. Surin. Select. p. 156; HOSTMANN 1102 named *Echites surinamensis* Miq. Stirp. Surin. Select. p. 154.
 Tropical South-America.

DIPLADENIA A. DC.

- Dipladenia illustris* (Vell.) Müll. arg. Flora Bras. VI. 1 p. 125.
Echites illustris Vell. Flora Flum. III. 49.
 Upper Litanie River, near Mount Knopaiamoi: VERSTEEG 382 (fl. Dec.).
 Tropical Brazil.

ODONTADENIA Benth.

- Odontadenia puncticulosa* (E. Mey.) Pulle.
Echites puncticulosa E. Meyer in Nova Acta Acad. Nat. Curios. XII. p. 782.
 Marowynne River: KAPPLER (coll. 1861) H. L. B. 903, 322—429.
 Para district: SPLITGERBER 1002 H. L. B. 898, 110—141 (fl. May).
 Surinam: HOSTMANN 629n; named: *Anisolobus puncticulosa* Miq. Stirp. Surin. Select. p. 158.
Odontadenia cururu (Mart.) K. Schum. Natürl. Pflanzenfam. IV. 2 p. 169.
Echitis cururu Mart. in Buchn. Repert. der Pharmacie 1830 n. 101.
 Tapanahoni River: VERSTEEG 680 (fl. July).
 Cottica district: FOCKE 114 H. L. B. 898, 112—578 (fl. Octob.).
 Surinam River, near Joden-Savanne: KEGEL 1193 (fl. Nov.).
 Surinam: FOCKE named *Anisolobus Fockei* Miq. Stirp. Surin. Select. 159; HOSTMANN 357 named *Anisolobus Hostmanni* Miq. Stirp. Surin. Select. p. 159; HOSTMANN 1201; KAPPLER 1203a, named *Anisolobus Kappleri* Miq. Stirp. Surin. Select. p. 159.
 Northern Brazil, Guyana.
Odontadenia grandiflora (G. F. W. Meyer) K. Schum. Natürl. Pflanzenfam. IV. 2 p. 169.
Echites grandiflora G. F. W. Meyer Prim. Flor. Esseq. 131.
 Gonini River: VERSTEEG 159 (fl. Aug.).
 Tapanahoni River: VERSTEEG 594 (fl. July).
 Cottica River: FOCKE 689 and 701 named *Odontadenia speciosa* Bth.

Pauluskreek: FOCKE 1413 (fl. Sept.).

Sarakreek: WENT 501 (fl. Oct.).

Saramacca River, near Maripaston: KEGEL 1371 (fl. May).

Coppename River: BOON 1200 (fl. Sept.).

Nickerie River: TULLEKEN 417 H. L. B. 903, 322—1189, 1199 and 1276 (fl. Sept.).

Surinam: HOSTMANN 159, 266 and 320; HOSTMANN 1217, named: *Odontadenia grandiflora* Miq. Stirp. Surin. select. p. 166.

Tropical South-America.

***Odontadenia nitida* (Vahl) Müll. arg.** Flora Bras. VI. 1 p. 118.

Echites nitida Vahl. Eclog. II. p. 19 t. 13.

Marowynne River: KAPPLER (coll. 1861) H. L. B. 903, 322—432.

Lawa River: VERSTEEG 261 (fl. Octob.).

Lower Commewyne River, near plant. Maasstroom: FOCKE 841 (fl. Oct.).

Upper Commewyne district, near plant. Waiampibo: SPLITGERBER 487 H. L. B. 898, 110—156 (fl. Jan.).

Paramaribo, near Wanicapad: FOCKE 645 (fl. Sept.); KEGEL 1213 (fl. July).

Para district, near Post-Republiek: TULLEKEN 253 H. L. B. 903, 322—1446 (fl. Aug.).

Surinam: WULLSCHLÄGEL; KAPPLER 1449; HOSTMANN 448 and 469; HOSTMANN H. L. B. 903, 322—281 and 282.

Guyana.

RHABDADENIA Müll. arg.

***Rhabdadenia biflora* (Jacq.) Müll. arg.** Flora Bras. VI. 1 p. 175.

Echites biflora Jacq. Americ. 30 t. 21.

Paramaribo: WENT 334 (fl. Octob.) and 573 (fl. Jan.); near Poelephantje: KEGEL 185 (fl. July).

Surinam: SPLITGERBER 334 H. L. B. 898, 110—127 (fl. Dec.) FOCKE 1107; HOSTMANN H. L. B. 903, 322—21.

Tropical South-America.

***Rhabdadenia macrostoma* (Bth.) Müll. arg.** in Linnaea XXX. 435.

Echites macrostoma Bth. in Hook. Journ. of Bot. III. p. 248.

Paramaribo: FOCKE 831; KEGEL 606 (fl. Sept.).

Surinam: HOSTMANN 494; HOSTMANN H. L. B. 903, 322—277.

Guyana.

var. α ***pubescens* Müll. arg.** Linnaea XXX. p. 435.

Para district: SPLITGERBER in hb. Vindob. ex Müll. arg. l. c.

MANDEVILLA Lindl.

***Mandevilla hirsuta* (L. C. Rich.) K. Schum.** Natürl. Pflanzenfam. IV. 2 p. 171.

Echites hirsuta L. C. Rich. in Act. Soc. hist. Nat. Par. 1792 p. 107.

Lower Commewyne River: FOCKE 995 (fl. Octob.).

Paramaribo: SPLITGERBER 222 H. L. B. 898, 110—148 (fl. Dec.); KEGEL 77 (fl. July); FOCKE 119 H. L. B. 903, 322—1473 (fl. Aug.)

Para district, near Post-Republiek: TULLEKEN 193 H. L. B. 903, 322—1430 (fl. Aug.).

Surinam: KAPPLER 1605; HOSTMANN H. L. B. 903, 322—69; WULL-SCHLÄGEL.

Tropical South-America.

Mandevilla scabra (Röm. et Schult.) K. Schum. Natürl. Pflanzenfam. IV. 2 p. 171.

Echites scabra Röm. et Schult. Syst. IV. p. 795.

Lower Marowyne River, near Albina: WENT 528 (fl. July).

Paramaribo: SPLITGERBER 232 H. L. B. 898, 110—140 (fl. Dec.), named: *Echites pilosiuscula* Splitg. Mss.; near Poelepantje: KEGEL 187 (fl. July); near Beekhuizen: KEGEL 1212 (fl. July).

Para district: SPLITGERBER 624 H. L. B. 898, 110—145 (fl. March), near plant. Berlyn: SPLITGERBER 717 H. L. B. 898, 110—118 and 119 (fl. March), named *Echites allamandaeiflora* Splitg. Mss.; near Post-Republiek: TULLEKEN 236 H. L. B. 903, 322—1435 (fl. Aug.).

Surinam River, near plant. Cassepoera: TULLEKEN 153 H. L. B. 903, 322—1393 (fl. Aug.); FOCKE 1310, named: *Echites bicolor* Mig. Stirp. Surin. Select. p. 154.

Saramacca River, near Saron: KEGEL 1274 (fl. May); near Santigrón: WENT 190.

Upper Coppename River: BOON 1120 (fl. Sept.).

Surinam: HOSTMANN H. L. B. 903, 322—175 and 184.

Vernacular name: »Melki tetei" (Tulleken).

Tropical Brazil, Guyana.

NERIUM Linn.

Nerium Oleander Linn. Spec. plant. 305.

Paramaribo: KEGEL 1033 (fl. Nov.).

Cultivated.

MALOUETIA A. DC.

Malouetia Tamaquarina (Aubl.) A. DC. Prodr. VIII. 378.

Cameraria Tamaquarina Aubl. Plant. Guyan. I. 260 t. 102.

Marowyne River: KAPPLER ed. Hohenacker 444a, named *Malouetia albiflora* Mig. Stirp. Surin. Select. 161; KAPPLER 1825 (fl. Aug.);

KAPPLER (coll. 1861) H. L. B. 903, 322—439 and 433.

Litanie River: VERSTEEG 359 (fl. Nov.).

Tapanahoni River: VERSTEEG 649 (fl. July).

Surinam River, near plant. Morea: VOLTZ.

Upper Coppename River: BOON 1044 (fl. Aug.) and 1187 (fl. Sept).
Nickerie River: TULLEKEN 518 H. L. B. 903, 322—1011 (fl. Sept.)
Surinam: FOCKE 788; HOSTMANN and KAPPLER 444; HOSTMANN 269
Northern Brazil, Guyana.

Malouetia obtusiloba A. DC. Prodr. VIII. p. 379.

Surinam: HOSTMANN 269.

ROBBIA A. DC.

Robbia nitida (Spruce) K. Schum. Natürl. Pflanzenfam. IV. 2 p. 187.

Malouetia nitida Spruce plant. exsicc. bras. 1672.

Marowyne River: KAPPLER (coll. 1861) H. L. B. 903, 322—434.
Amazon district.

FORSTERONIA G. F. W. Meyer.

Forsteronia Schomburgkii A. DC. Prodr. VIII. p. 438.

Marowyne River: KAPPLER (coll. 1861) 59.

Lawa River: VERSTEEG 415 (fl. Dec.).

Paramaribo: KEGEL 1012 (fl. Sept.).

Lower Coppename River: WENT 109 (fl. Aug.).

Surinam: HOSTMANN 849, 569, 1107, 1236; HOSTMANN H. L. B. 903,
322—241; TULLEKEN 90 H. L. B. 903, 322—1369 (fl. July).
Guyana.

PRESTONIA R. Br.

Prestonia surinamensis Müll. arg. Linnaea XXX. 433.

Gonini River: VERSTEEG 72 (fl. Aug.).

Tapanahoni River: VERSTEEG 753 (fl. Aug.).

Surinam: HOSTMANN 981; HOSTMANN H. L. B. 903, 322—273.

Prestonia annularis (Linn. f.) G. Don. Syst. IV. p. 84.

Echites annularis Linn. f. Suppl. 166.

Paramaribo: FOCKE 1056.

Surinam: HOSTMANN H. L. B. 903, 322—98.

ASCLEPIADACEAE.

PHILIBERTIA A. Gr. (emend. K. Schum.)

Philibertia clausa (Jacq.) K. Schum. Natürl. Pflanzenfam. IV. 2 p. 229.

Cynanchum clausum Jacq. Americ. I. p. 87 t. 60.

Lower Marowyne River: KAPPLER ed. Hohenacker 1662 (fl. Aprl.)
named by Miquel: *Sarcostemma clausum* Röm. et Schult.; KAPPLER
(coll. 1861) H. L. B. 903, 322—438.

Paramaribo: KEGEL 813 (fl. March); WENT 571 (fl. Jan.).

Lower Saramacca River, near plant. Catharina Sophia: SPLITGERBER
842 H. L. B. 898, 169—163 (fl. Apr.).

Surinam: HOSTMANN 962; WEIGELT; FOCKE 1040.

Northern South-America.

FISCHERIA D. C.

Fischeria multiflora Desv. Prodr. VIII p. 600.

Lower Saramacca River: PULLE 85 (fl. Nov.).

Brazil

ASCLEPIAS Linn.

Asclepias curassavica Linn. Spec. plant. 314.

Paramaribo: SPLITGERBER 19 H. L. B. 898, 166—49 (fl. Nov.); TULLEKEN
H. L. B. 903, 322—1292 (fl. July); WENT 3 (fl. July); VERSTEEG 472
(fl. June).

Surinam: WEIGELT.

Tropical America.

CALOTROPIS R. Br.

Calotropis gigantea (Willd.) R. Br. Wern. Soc. p. 28.

Asclepias gigantea Willd. Spec. I. p. 1264.

Lower Saramacca River, near Groningen: WENT 252 (fl. Aug.)

Cultivated.

East-India.

METASTELMA R. Br.

Metastelma stenolobum Dcne. Prodr. VIII p. 515.

Lower Saramacca River, near plant. Hamburg: SPLITGERBER 849 H. L. B. 898, 168—416 (fl. April.).

Upper Coppename River: BOON 1066 (fl. Aug.).

Upper Nickerie River: TULLEKEN 436 H. L. B. 903, 322—1559 and 1572 (fl. Sept.).

Surinam: HOSTMANN 827.

Northern Brazil, British Guyana.

Melastelma Decaisneana (Miq.) Bth. in Bth. Hook. Gen. plant. II. 756.

Tassadia Decaisneana Miq. Linnaea XVIII p. 25. Pl. II.

Lower Surinam River, near plant. Jagtlust: FOCKE 601 (fl. June).

TASSADIA Dcne.

Tassadia guyanensis Dcne Prodr. VIII. p. 579.

Marowynne River: KAPPLER (coll. 1861) H. L. B. 903, 322—435.

Upper Saramacca River: PULLE 201 (fl. March).

Surinam: KAPPLER ed. Hohenack. 1410.

British Guyana.

Tassadia propinqua Dcne Prodr. VIII p. 579.

Commewyne River, near plant. Lustryk: SPLITGERBER 375 H. L. B. 898, 171—61 (fl. Dec.).

Para district: KAPPLER ed. Hohenack. 1474 (fl. Febr.-Apr.).

Surinam: HOSTMANN 70.

British Guyana.

Tassadia leptobotrys Dcne Prodr. VIII. p. 579.

Surinam: LESCHENAULT ex Dcne l. c.

Tassadia obovata Dcne Prodr. VIII. p. 580.

Surinam: LESCHENAULT ex Dcne l. c.

BLEPHARODON Dcne.

Blepharodon Steudelium (Miq.) Pulle.

Metastelma Steudelium Miq. Linnaea XVIII. p. 753.

Cottica district, near plant. Vaderzorg: KEGEL 955 (fl. July).

Paramaribo, near Beekhuizen: KEGEL 737 (fl. Febr.).

Para district, near Santigron: WENT 197 (fl. Aug.).

Surinam: KAPPLER 1611.

ROULINIA Dcne.

Roulinia surinamensis Miq. Stirp. Surin. Select. 169.

Upper Saramacca River: PULLE 474 (fl. March).

Lower Surinam River: HOSTMANN and KAPPLER ed. Hohenacker 1092 (fl. April).

Roulinia guyanensis Dcne Prodr. VIII. p. 517.

Tapanahoni River: VERSTEEG 860 (fl. Sept.).

Saramacca River, near Maripaston: KEGEL 1358 (fl. March).

British Guyana.

MARSDENIA R. Br.

Marsdenia mollissimma Fourn. Flora Bras. VI 4 p. 322 t. 95.

Litanie River: VERSTEEG 431 (fl. Dec.).

Commewyne River, near plant. Maasstroom: FOCKE 1364.

Surinam River: WULLSCHLÄGEL ex Fournier l. c.

Tropical Brazil

Marsdenia ovata Fourn. Flora Bras. VI. 4 p. 321.

Lawa River: KAPPLER (coll. 1861 ed. Hohenack, 2090 (fl. Oct.) named by Griseb. *Sphinctostoma rubro-fuscum* Bth.; KAPPLER (coll. 1861)

H. L. B. 903, 322—437.

Tapanahoni River: VERSTEEG 653 (fl. July).

British Guyana.

GONOLOBUS Mich.

Gonolobus viridiflorus Röm. et Schult. Syst. VI. p. 61.

Paramaribo: SPLITGERBER 575 H, L. B. 898, 167—397 (fl. Febr.)

Surinam: FOCKE 277; HOSTMANN 310.

Tropical Brazil.

CONVOLVULACEAE.

MARIPA Aubl.

Maripa glabra Choisy in D. C. Prodr. IX. p. 327.

Marowyne River: KAPPLER 2011 (fl. Aug.)
Guyana.

Maripa erecta G. F. W. Meyer Primit. Fl. Esseq. 115.

Surinam River: WULLSCHLÄGEL 821 ex Meissner Flora Bras. VII. p. 207.
British Guyana.

Maripa passifloroides Benth. in Spruce pl. exsicc.

Joden savanne: SPLITGERBER 853 H. L. B. 901, 166-24 (fl. May),
Amazon district, French Guyana.

Maripa scandens Aubl. Pl. Guyan. I. 230 t. 91.

Upper Litanie River, near Mount Knopaiamoi: VERSTEEG 391 (fl. Dec.)
Upper Saramacca River, near Mount Janbasigado: PULLE 464 (fl. Jan.)
Surinam: HOSTMANN 1201 ex Meissn. l. c. 209.
British Guyana.

ANISEIA Choisy.

Aniseia ensifolia Choisy Conv. rar. 144.

Surinam: WULLSCHLÄGEL ex Meissner l. c. p. 320.
Guyana, North-Brazil, Guatemala.

Aniseia martinicensis (Jacq.) Choisy in D. C. Prodr. IX. p. 430.

Convolvulus martinicensis Jacq. Obs. 20 t. 17.

Marowyne River, near Albina: WENT 448 (fl. Octob.); VERSTEEG 531
(fl. July).

Goniniriver: VERSTEEG 83 (fl. Aug.)

Paramaribo: FOCKE 774 (fl. April); SPLITGERBER 600 H. L. B. 901,
163-85 (fl. Febr.); Wanicapad: KEGEL 1006 (fl. Sept.)

Saramacca River: PULLE 197, 460 (fl. Jan.-Febr.)

Surinam: FOCKE 508; HOSTMANN H. L. B. 903, 322-178; WULLSCHLÄGEL
ex Meissn. l. c. 320.

Tropical South-America.

CALONYCTION Choisy.

Calonyction speciosum Choisy Conv. rar. 59.

Ipomoea bona-nox Linn. Spec. 228.

Tapanahoni River: VERSTEEG 642 (fl. July).

Surinam River, near plant. Jagtlust: SPLITGERBER 536 H. L. B. 901, 161—328 (fl. Jan.)

Paramaribo: FOCKE 824 (fl. Sept.)

Saramacca River, near Mount Janbasigado: PULLE 176 (fl. Jan.)

Surinam: HOSTMANN H. L. B. 903, 322—224.

All tropical countries.

QUAMOCLIT Linn.

Quamoclit vulgaris Choisy in D. C. Prodr. IX. p. 436.

Paramaribo: WENT 360 (fl. Sept.)

Surinam: HOSTMANN and KAPPLER 645a.

Vernacular name: "Duivels-naaigaren" (Satan's thread.)

East-India, cultivated in all tropical countries.

IPOMOEA Linn. (sensu strict.)

Ipomoea acetosaefolia (Vahl.) Röm. et Schult. Syst. IV. p. 246.

Convolvulus acetosaefolius Vahl. Eclog. I. 18.

Surinam River, near Vredenburgerkreek: FOCKE 690 (fl. Octob.), named

Ipomoea halophila Miq. Linnaea XVIII p. 598.

Surinam: WULLSCHLÄGEL ex Meissner l. c. 255.

All tropical and subtropical countries.

Ipomoea pes-caprae (Linn.) Sweet Hort. Sub. Lond. ed. 2. p. 289.

Convolvulus pes-caprae Linn. Sp. 226.

Surinam River, near Vredenburgerkreek: FOCKE 115; near plant. Zeezigt: SPLITGERBER 787 H. L. B. 901, 161—291 (fl. April).

Tropical South-America, Ceylon.

Ipomoea capparoides Choisy D. C. Prodr. IX. p. 376.

Surinam: WULLSCHLÄGEL ex Meissner l. c. 262.

Amazon district, Antigua.

Ipomoea umbellata (L.) G. F. W. Meyer. Flora Esseq. 99.

Convolvulus umbellatus Linn. Spec. 221.

Lawa River, near Cottica: VERSTEEG 294 (fl. Oct.)

Paramaribo: FOCKE 1149 (fl. Nov.)

Para district: SPLITGERBER 1096 H. L. B. 901, 163—390 (fl. May).

Upper Surinam River, near Bergendal: FOCKE 1149 named *Ipomoea mollicoma* Miq. Stirp. Surin. Select. p. 132 t. 37.

Lower Saramacca River, near Maripaston: PULLE 10 (fl. Nov.)

Surinam: HOSTMANN and KAPPLER 550; KAPPLER H. L. B. 903, 322—426;
WULLSCHLÄGEL l. c. 263.
Vernacular name: »Wetie abia”.

***Ipomoea micans* Garcke** Linnaea XXII p. 66.

Paramaribo: KEGEL 683 (fl. Dec.) ex Garcke l. c.

***Ipomoea sericantha* Miq.** Stirp. Surin. Select. 131.

Marowynne River: KAPPLER ed. Hohenacker 1864 (fl. Aug.); near Albina: VERSTEEG 545 (fl. July.)

Coppename River: WENT 117 (fl. Aug.)

***Ipomoea fastigiata* (Roxb. et Wall.) Sweet** Hort. Ed. 2 p. 288.

Convolvulus fastigiatus Roxb. et Wall. Flor. Ind. II. 48.

Goninie River: VERSTEEG 57 (fl. Aug.)

Marowynne River, near Poeloegoedoe: VERSTEEG 616 (fl. July)

Paramaribo: TULLEKEN 25 H. L. B. 903, 322—1498 (fl. July); TULLEKEN 122 H. L. B. 903, 322—1476 (fl. Aug.).

Commewynne district; near plant. Waiampibo: SPLITGERBER 500 ex de Vriese, Ned. Kruidk. Arch. I. (1848) p. 149, named: *Ipomoea pandurata* Mey.

Saramacca River, near plant. Vier Hendrikken: WENT 221 (fl. Aug.); near Maripaston: PULLE 9 (fl. Nov.)

Coppename River: BOON 1254 (fl. Octob.)

Surinam: HOSTMANN H. L. B. 903, 322—110; HOSTMANN 330; WULLSCHLÄGEL ex Meissner l. c. 267.

Vernacular name: »Petata-tetei”.

All tropical America.

***Ipomoea longipes* Garcke** Linnaea XXII p. 66.

Paramaribo, near Poelephantje: KEGEL 734 (fl. Febr.) ex Garcke l. c.

***Ipomoea surinamensis* Miq.** Linnaea XVIII p. 600.

Surinam: FOCKE 316.

***Ipomoea Batatas* (Linn.) Lam.** Dict. VI. 14.

Convolvulus Batatas Linn. Amoen. Acad. VI. 121.

Lawa River: VERSTEEG 441 (fl. Dec.)

Paramaribo: FOCKE 1361 (cultivated).

Lower Surinam River, near plant. Jagtlust: WENT 59 (fl. Aug.)

Nickerie: TULLEKEN 582 H. L. B. 903, 322—989 (fl. Nov.)

Surinam: HOSTMANN H. L. B. 903, 322—285.

Vernacular name: »Swietie Patata”.

Cultivated in all tropical countries.

***Ipomoea Parkeri* Choisy** in D. C. Prodr. IX. 381.

var. β ***subsericea* Meissn.** Flora Bras. Vol. VII. p. 284.

Surinam: WULLSCHLÄGEL ex Meissn l. c.

***Ipomoea sinuata* Ortega** Decad. VII. 84.

Paramaribo: TULLEKEN 65 H. L. B. 903, 322—1344 (fl. July); WENT 317 (fl. Aug.); SPLITGERBER 820 H. L. B. 901, 163—307 (fl. Apr.)

West-Coronie: TULLEKEN 558 H. L. B. 903, 322—965 (fl. Octob.)

Surinam: KAPPLER 1594; HOSTMANN H. L. B. 903, 322—256; WULLSCHLÄGEL 49 ex Meissner l. c. 285.

Vernacular name: »Swietie sopie wiwierie".

All tropical America.

***Ipomoea pentaphylla* (Linn.) Jacq.** Coll. II. 297.

Convolvulus pentaphyllus Linn. Spec. 223.

Surinam: WULLSCHLÄGEL 350 ex Meissn. l. c. 287.

Tropical America and Africa.

***Ipomoea glabra* (Aubl.) Choisy** in D. C. Prodr. IX. p. 331.

Convolvulus glaber Aubl. Pl. Guyan. I. 138 t. 53.

Marowynne River: KAPPLER ed. Hohenacker 1863 (fl. Sept.).

Albina: WENT 438 (fl. Octob.).

Litanie River: VERSTEEG 353 (fl. Octob.).

Tapanahoni River: VERSTEEG 874 (fl. Sept.).

Paramaribo, near Orellanakreek: FOCKE 699 (fl. Octob.).

Upper Surinam River, near Blauwe Berg: FOCKE 362 (fl. March),

Saramacca River, near Mindrinetti: PULLE 33 (fl. Nov.).

Surinam: HOSTMANN 45; WULLSCHLÄGEL 1521.

Tropical South-America.

***Ipomoea Hostmanni* Meissn.** Flora Bras. VII. p. 290.

Surinam: HOSTMANN 65 ex Meissn. l. c.

***Ipomoea subrevoluta* Choisy** in D. C. Prodr. IX. p. 386.

Paramaribo: FOCKE 1347 (fl. Octob.); near Nieuwe Ryweg: KEGEL 973 (fl. Aug.). ex Garcke, Linnaea XXII p. 65; SPLITGERBER 1094 H. L. B.

901, 161—364 named: *Ipomoea carolinae* L. de Vriese. Ned. Kruidk. Arch. I. (1848) p. 149.

Surinam: FOCKE H. L. B. 901, 163—266; WULLSCHLÄGEL 347 ex Meissn. l. c. 290

***Ipomoea guyanensis* (Aubl.) Choisy** in D. C. Prodr. IX. p. 366

Convolvulus guyanensis Aubl. Pl. Guyan. I. 136 t. 52.

Paramaribo, near Kwatta: SPLITGERBER 125 H. L. B. 901, 163—474 (fl. Dec.).

Para district: WULLSCHLÄGEL ex Meissn. l. c. 301; near plant. Berlyn: FOCKE 967 (fl. Sept.) and 337 H. L. B. 901, 161—494.

Guyana, Northern Brazil.

***Ipomoea digitata* Linn.** Spec. 228.

Surinam ex Peter, Natürl. Pflanzenfam. IV. 3a. p. 30.

Tropical America, East-India

PHARBITIS Choisy.

Pharbitis acuminata Choisy in D. C. Prodr. IX. p. 342.

Surinam ex Peter. Natürl. Pflanzenfam. IV. 3a. p. 22.

Tropical South-America.

Pharbitis Nil (L.) Choisy Conv. or. 57.

Convolvulus Nil Linn. Spec. 219.

Lower Surinam River, near plant. Geyersvlyt: KEGEL 961 (fl. July) ex Garcke Linnaea XXII. p. 68.

Upper Surinam River, near Bergendal: FOCKE 1266.

Saramacca River, near Groningen: WENT 160 (fl. Aug.).

Surinam: HOSTMANN H. L. B. 903, 322—215.

Tropical South-America.

Pharbitis cissoides (Choisy) Peter. Natürl. Pflanzenfam. IV. 3a. p. 32.

Batatas cissoides Choisy Conv. or. 55.

Marowynne River, near Albina: TULLEKEN 587 H. L. B. 903, 322—1201 (fl. Nov.); WENT 444 (fl. Octob.)

Upper Tapanahoni River, near Magneetberg: VERSTEEG 827 (fl. Aug.).

Lower Surinam River, near plant. Jagtlust: SPLITGERBER 391 H. L. B. 901, 161—375 (fl. Dec.).

Paramaribo: SPLITGERBER 823 H. L. B. 901, 161—376 (fl. April).

Orellanakreek: FOCKE 700 (fl. Octob.).

Para district, near plant. Berlyn: WENT 391 (fl. Sept.)

Surinam: HOSTMANN H. L. B. 903, 322—223; WULLSCHLÄGEL 1520 ex Meissn. l. c. 230

Tropical America.

OPERCULINA Manso.

Operculina altissima (Mart.) Meissn. Flora Bras VII. p. 213.

Ipomoea altissima Mart. Obs. Mss 2465.

Paramaribo: FOCKE 778 (fl. April).

Surinam: HOSTMANN and KAPPLER 802 named *Ipomoea alulata* Miq.

Linnaea XVIII p. 599.

Amazon district.

Operculina surinamensis Meissn. Flora Bras. VII. p. 214.

Surinam: WULLSCHLÄGEL ex Meissn. l. c.

Operculina ventricosa (Bert.) Peter Natürl. Pflanzenfam. IV. 3a. p. 32.

Surinam ex Peter l. c.

JACQUEMONTIA Choisy.

Jacquemontia tamnifolia (L.) Griseb. Flora Brit. West. Ind. Islands.

p. 474.

Ipomoea tamnifolia Linn. Sp. 230.

Marowyne River, near Albina: WENT 446 (fl. Octob.).

Lower Surinam River, near plant. Jagtlust: SPLITGERBER 390 H. L. B.
901, 163 478 (fl. Dec.).

Paramaribo: FOCKE 775.

Surinam: WULLSCHLÄGEL 766 ex Meissn. l. c. 303.

Tropical America.

PREVOSTEA Choisy.

Prevostea sericea (Spreng.) Choisy Ann. Sc. nat. Sér. I. 4. p. 498.

Reinwardtia sericea Spreng. Syst. I. p. 863.

Para district, near plant. Berlyn: SPLITGERBER 743 (fl. March) named
Dufourea aurea Splitg. mss. ex de Vriese Ned. Kruidk. Arch. I.
(1848) p. 150.

New Grenada.

CUSCUTA Linn.

Cuscuta americana Linn. Spec. 180.

Paramaribo: WENT 300 (fl. Aug.)

var. β **congesta** Engelm.

Paramaribo: FOCKE named *Cuscuta leiolepis* Mig. Linnaea XVIII. p.
247; WULLSCHLÄGEL ex Meis. l. c. 377.

var. γ **spectabilis** Engelm.

Surinam: HOSTMANN ex Meissn. l. c.

HYDROPHYLLACEAE.

HYDROLEA Linn,

Hydrolea spinosa Linn. Spec. plant. 328.

Lawa River, near Cottica: VERSTEEG 273 (fl. Octob.).

Litanie River: VERSTEEG 436 (fl. Dec.).

Paramaribo: TULLEKEN 44 H. L. B. 903, 322—1305 (fl. July); near Kwattaweg: WENT 296 (fl. Aug.); KEGEL 175 (fl. July); SPLITGERBER 106 (fl. Febr.)

Para district, near Post Republiek: TULLEKEN 233 H. L. B. 903, 322—1154 (fl. Aug.).

Vernacular name: "Swietie watra kraroen" (Versteeg).

Tropical America.

Hydrolea ovata Nutt. in Trans. Am. Ph. Soc V. 196.

Surinam: HOSTMANN 450 ex Bennett Flora Bras. VII p. 391.

BORRAGINACEAE.

CORDIA Linn.

Cordia speciosa Willd. in Röm. et Schult. Syst. IV. p. 799.

Cottica district, near plant. Alliance: WENT 280 (fl. Aug.)

Paramaribo: KEGEL 1029 (fl. Oct.); FOCKE 1371.

Surinam: SPLITGERBER 312 H. L. B. 898, 271—392 (fl. Dec.)

Cultivated.

West-Indies.

Cordia tetrandia Aubl. Plant. Guyan. p. 222. t. 87.

Surinam: KAPPLER 1619; SPLITGERBER 123 H. L. B. 898, 271—451
(fl. Nov.); HOSTMANN 355.

Vernacular name: "Tafelboom".

Guyana.

Cordia sericicalyx A. DC. Prodr. IX. p. 485.

Para district: KAPPLER ed. Hohenacker 1510 (fl. Febr.-Apr.).

British Guyana.

Cordia bicolor A. DC. Prodr. IX. p. 485.

Surinam: HOSTMANN 406.

British Guyana.

Cordia tetraphylla Aubl. Plant. Guyan. l. 224 t. 88.

Para district, near plant. Berlyn: SPLITGERBER 695 H. L. B. 898, 271—
453 (fl. March).

French Guyana.

Cordia Schomburgkii A. DC. Prodr. IX. p. 490.

Paramaribo, near Poelepantje: KEGEL 685 (fl. Febr.)

British Guyana.

Cordia Aubletii A. DC. Prodr. IX. p. 490.

Paramaribo: SPLITGERBER 206 H. L. B. 898, 271—314 (fl. Dec.), named

Cordia lucida Spitzg. Mss.; FOCKE 760 (fl. Nov.) and 816 (fl. Sept.).

Para district: VERSTEEG 507 (fl. June).

Saramacca River: PULLE 125 (fl. Dec.) and 417 (fl. Jan.)

Surinam: HOSTMANN 295 and 877; HOSTMANN H. L. B. 903, 322—4.

Vernacular name: »Blaka Oema”.

Guyana.

***Cordia graveolens* H. B. K. Nov. Gen. III. p. 74.**

Commewyne district: FOCKE 213 (fl. Sept.); near Matappica River; FOCKE 297 (fl. Dec.).

Paramaribo: SPLITGERBER 44 H. L. B. 898, 271—303 (fl. Nov.); KEGEL 371 (fl. July); near Poelepantje: KEGEL 708 (fl. Febr.); TULLEKEN 17 H. L. B. 903, 322—1491 (fl. July); TULLEKEN 67 H. L. B. 903, 322—1346 (fl. July); WENT 305 (fl. Aug.); WENT 570 (fl. Jan.); VERSTEEG 464 (fl. June).

Surinam River, near plant. Domburg: TULLEKEN 265 H. L. B. 903, 322—1415 (fl. Aug.).

Para district: SPLITGERBER 1160 H. L. B. 898, 271—265 (fl. Apr.).

Surinam: FOCKE 282 (fl. Jan.); HOSTMANN H. L. B. 903, 322—1.

Vernacular name: »Blaka Oema”.

Venezuela.

***Cordia patens* H. B. K. Nov. Gen. et Spec. III. p. 75.**

Lower Commewyne River, near plant. Maasstroom: FOCKE 1358 (fl. Oct.).

Lower Surinam River, near plant. Jagtlust: WENT 64 (fl. Aug.).

Paramaribo: SPLITGERBER 72 H. L. B. 898, 271—330 and 331 (fl. Nov.); FOCKE 755 and 1132 (fl. Dec.); KEGEL 9 (fl. June) and 109 (fl. July).

Surinam: FOCKE H. L. B. 898, 271—498; FOCKE 1355; HOSTMANN H. L. B. 903, 322—343.

Tropical Brazil.

TOURNEFORTIA Linn.

***Tournefortia surinamensis* A. DC. Prodr. IX. p. 526.**

Lower Commewyne River: FOCKE 750 (fl. Dec.)

Para district: SPLITGERBER 1159 H. L. B. 898, 278—12.

Surinam: HOSTMANN 951; FOCKE 180 H. L. B. 898, 278—13.

***Tournefortia hirsutissima* Linn. Spec. plant. 201.**

Surinam: HOSTMANN 227.

West-Indian Islands.

***Tournefortia syringaefolia* Vahl. Symb. 3 p. 23.**

Marowynne River, near Apatou: WENT 458 (fl. Oct.).

Surinam River, near Bergendal: FOCKE 1308.

Lower Saramacca River, near plant. Catharina Sophia: SPLITGERBER 841, H. L. B. 898, 277—567 (fl. Apr.).

French Guyana.

HELIOTROPIMUM Linn.

Heliotropium filiforme H. B. K. Nov. Gen. et Spec. III. p. 86. t. 104.

Lawa River: VERSTEEG 277 (fl. Octob.); KAPPLER (coll. 1861) H. L. B. 903, 322—471.

Surinam: KAPPLER ed. Hohenack. 1810 (fl. Apr.).

Lower Saramacca River: PULLE 69 (fl. Nov.).

Tropical South-America.

Heliotropium indicum Linn. Spec. plant. 187.

Lawa River, near Cottica: VERSTEEG 298 (fl. Octob.).

Paramaribo: SPLITGERBER 338 H. L. B. 898, 273—447 (fl. Dec.); WENT 319 (fl. Aug.); WENT 332 (fl. Octob.).

Saramacca River, near Maripaston : PULLE 4 (fl. Nov.).

Vernacular name: »Kokorrode» (Pulle).

All tropical countries.

VERBENACEAE.

TAMONEA Aubl.

Tamonea spicata Aubl. Plant. Guyan. Il. 660 t. 268.

Surinam: FOCKE 1029.

Tropical Brazil, Guyana, Venezuela, West-Indies

LANTANA Linn.

Lantana Camara Linn. Spec. plant. 874.

Lower Marowynne River, near Albina: VERSTEEG 13 (fl. Aug.).

Lower Surinam River, near plant. Jagtlust: SPLITGERBER 439 H. L. B. 905, 298—72 (fl. Dec.); near plant. Rust en Werk: SPLITGERBER 1107 H. L. B. 905, 298—71 (fl. March).

Paramaribo: FOCKE 178 (fl. July); KAPPLER ed. Hohenacker 1861 (fl. Apr.); HOSTMANN 1045; KEGEL 26 (fl. June); TULLEKEN 132 H. L. B. 903, 322—1486 (fl. Aug.).

Surinam River, near plant. Domburg: TULLEKEN 264 H. L. B. 903, 322—1158 (fl. Aug.).

Para district: SPLITGERBER 1106 H. L. B. 905, 298—68 (fl. May); VERSTEEG 467 (fl. June); near Post Republiek: TULLEKEN 206 H. L. B. 903, 322—1134 (fl. Aug.).

Lower Saramacca River, near Groningen: WENT 178 (fl. Aug.); near Maripaston: PULLE 30 (fl. Nov.).

Vernacular name: »Koorsoe wiwirie».

All tropical America.

Lantana trifolia Linn. Spec. plant. 873.

Lower Commewyne River, near plant. Marienburg: WENT 272 (fl. Aug.).

Para district: SPLITGERBER 967 H. L. B. 905, 298—69 (fl. March); near Post Republiek: TULLEKEN 229 H. L. B. 903, 322—1149 (fl. Aug.).

Casawinica River: HOSTMANN and KAPPLER ed. Hohenacker 1862 (fl. June).

Surinam: HOSTMANN 1256; FOCKE 166.

Tropical South-America.

LIPPIA Linn.

Lippia geminata H. B. K. Nov. Gen. et Spec. II. p. 215.

Lawa River, near Cottica Mountains: VERSTEEG 290 (fl. Octob.)

Gonini River: VERSTEEG 258 (fl. Octob.).

Paramaribo: KAPPLER ed. Hohenacker 1860 (fl. Apr.); KEGEL 1240 (fl. Jan.).

Surinam River, near plant. Domburg: TULLEKEN 180 H. L. B. 903, 322—1122 (fl. Aug.).

Lower Saramacca River, near Maripaston: PULLE 45 (fl. Nov.).

Surinam: WEIGELT H. L. B. 905, 298—70, named by Reichenbach:

Lantana odorata Linn.

Vernacular name: »Blakka tiki ment" (Versteeg).

All tropical and sub-tropical America.

Lippia asperifolia L. C. Rich. Cat. Hort. Med. Par. p. 67.

Lawa River: VERSTEEG 64 (fl. Aug.)

Surinam: HOSTMANN 321; HOSTMANN H. L. B. 903, 322—105.

Tropical South-America; South-Africa (introduced?).

STACHYTARPHETA Vahl.

Stachytarpheta dichotoma (Ruiz et Pav.) Vahl Enum. I. p. 207.

Verbena dichotoma Ruiz et Pav. Flora Peruv. I. p. 23 t. 34.

Lawa River, near Cottica: VERSTEEG 297 (fl. Oct.).

Tapanahoni River, near Drie Tabbetje: VERSTEEG 696 (fl. July).

Paramaribo: WENT 18 (fl. July).

Para district, near Post Republiek: TULLEKEN 205 H. L. B. 903, 322—1133 (fl. Aug.)

Surinam: HOSTMANN H. L. B. 903, 322—321. ?

Tropical America.

Stachytarpheta cayennensis (L. C. Rich.) Vahl Enum. I. p. 208.

Verbena cayennensis L. C. Rich. Act. Soc. Hist. Nat. Par. p. 105.

Paramaribo: SPLITGERBER 146 H. L. B. 905, 298—73 (fl. Nov.); KEGEL 105 (fl. July).

Para district, near Post Republiek: TULLEKEN 230 H. L. B. 903, 322—1150 (fl. Aug.)

Surinam: Dr. VOLTZ without number.

Tropical America.

Stachytarpheta jamaicensis Vahl Enum. I. p. 206.

Lower Marowynne River, near Albina; VERSTEEG 44 (fl. July).

Paramaribo: KEGEL 414 (fl. Aug.); TULLEKEN 3 H. L. B. 903, 322—1323 (fl. July); WENT 11 (fl. July).

Surinam: WEIGELT, named by Reichenbach: *Stachytarpheta dichotoma* Vahl

Tropical South-America.

Stachytarpheta surinamensis Miq. in Kappl. Plant. Surin. ed. Hohenack.
Surinam River: KAPPLER ed. Hohenacker 1858 (fl. Apr.).

Stachytarpheta angustifolia (Mill.) Vahl. Enum. l. p. 205.

Verbena angustifolia Mill. Dict. IV. p. 595.

Surinam: FOCKE 41.

Guyana, Senegambia.

PRIVA Adans.

Priva lappulacea (Linn.) Pers. Ench. II. 149.

Verbena lappulacea Linn. Spec. plant. 28.

Paramaribo: KEGEL 73 (fl. July); TULLEKEN 5 H. L. B. 903, 322—1321
and 1329 (fl. July); TULLEKEN 121 H. L. B. 903, 322—1475 (fl. Aug.);

WENT 12 (fl. July).

Surinam: FOCKE 311; HOSTMANN and KAPPLER 89.

All tropical America.

AMASONIA Linn. f.

Amasonia erecta Linn. f. Suppl. 294.

Taligalea campestris Aubl. Plant. Guyan. 625 t. 252.

var. **punicea** (Vahl) Briq. Natürl. Pflanzenfam. IV. 3a. p. 157.

Amasonia punicea Vahl Eclog. II. p. 51.

Para district: SPLITGERBER 621 H. L. B. 905, 298—55 (fl. March); NOLTE
without number in herb. Götting.; near Koffiedjampo: VERSTEEG 510
(fl. June); FOCKE 139; FOCKE 8 H. L. B. 905, 298—56 (fl. Octob.);
near Kompas: WENT 369 (fl. Sept.).

Lower Saramacca River, near Maripaston: KEGEL 1304 (fl. May);
PULLE 14 (fl. Nov.).

Surinam: HOSTMANN 893; KAPPLER ed. Hohenacker 1409.

Northern Brazil, Guyana, Trinidad.

PETRAEA Linn.

Petraea macrostachya Bth. in Tayl. Journ. of. Nat. Hist. II. p. 448.

Marowyne River: VERSTEEG 593 (fl. July).

Surinam River, near Joden Savanne: KEGEL 1179 (fl. Nov.); near Berg-
endal: FOCKE 933 (fl. Sept.).

Upper Saramacca River: PULLE 177 (fl. Jan.).

Upper Coppename River: BOON 1163 (fl. Sept.).

Surinam: KAPPLER ed. Hohenack. 1708; HOSTMANN 39 named: *Petraea*
bracteata Steud. Flora 1843 p. 764.

Guyana.

Petraea volubilis Jacq. Amer. p. 189 t. 114.

Lower Coppename River: WENT 122 (fl. Aug.).

Guyana, Brazil, West-Indies.

Petraea racemosa Nees et Mart. in Nova Acta. acad. nat. cur. XI. p. 72.

Gonini River: VERSTEEG 122 (fl. Aug.).

Tropical Brazil.

Petraea arborea H. B. K. Nov. Gen. et Spec. II. p. 282.

Upper Saramacca River: PULLE 227 (fl. March).

Tropical South-America.

Petraea rugosa H. B. K. Nov. Gen. et Spec. II. p. 282.

Surinam River, near Cassepoerakreek: KEGEL 1180 (fl. Nov.).

Venezuela, Columbia, French Guyana.

CITHAREXYLUM Linn.

Citharexylum quadrangulare Jacq. Stirp. americ. t. 22.

Paramaribo: SPLITGERBER 78 H. L. B. 905, 298—59 (fl. Nov.); KEGEL 1242 (fl. Jan.).

Surinam: HOSTMANN 356; HOSTMANN and KAPPLER 356; FOCKE 566 (fl. Jan.); HOSTMANN H. L. B. 903, 322—13.

Brazil, West-Indies.

Citharexylum cinereum Linn. Spec. plant. p. 872.

Paramaribo: TULLEKEN 29 H. L. B. 903, 322—1502.

Brazil, West-Indies.

Citharexylum myrianthum Cham. in Linnaea VII. p. 117.

Surinam: HOSTMANN H. L. B. 903, 322—35.

Tropical Brazil.

AEGIPHILA Jacq.

Aegiphila laevis Willd. Spec. plant. I. p. 617.

Surinam: HOSTMANN 89 and 543.

Guyana, Columbia, West-Indies.

Aegiphila cuspidata Mart. Herb. fl. Bras. 1041.

Marowyne River: KAPPLER ed. Hohenock. 1717 named by Miquel:

Aegiphila mollis H. B. K.

Tropical Brazil, British Guyana.

Aegiphila elata Swartz Fl. Ind. Occ. I. p. 254.

Paramaribo, near Poelepantje: KEGEL 173 (fl. July); 687 (fl. Febr.).

Surinam: FOCKE 297; HOSTMANN H. L. B. 903, 322—349.

Tropical Brazil, French Guyana, West-Indies.

CLERODENDRON Linn.

Clerodendron verrucosum Splitg. ex de Vriese Ned. Kruidk. Arch. I. p. 351.

Surinam River: SPLITGERBER 523 H. L. B. 905, 298—63 and 64 (fl. Jan.).

Paulus-kreek: WENT 550 (fl. Nov.).

Warappakreek: FOCKE 1346 (fl. Sept.).

Clerodendron aculeatum (Linn.) Griseb. Flora Brit. West-Indian Islands. p. 500.

Volkameria aculeata Linn. Spec. plant. 889.

Paramaribo: FOCKE 1333 (fl. Nov.).

Nickerie: TULLEKEN 312 H. L. B. 903, 322—1047 (fl. Sept.).

Tropical America.

Clerodendron Siphonanthus R. Br. in Ait. Hort. Kew. ed. II. p. 65.

Paramaribo: FOCKE 918 (fl. Sept); TULLEKEN 26 H. L. B. 903, 322—1278 (fl. Aug.).

Para district, near Osembo: SPLITGERBER 1100 H. L. B. 905, 298—62 (fl. May.)

Cultivated; tropical Asia.

VITEX Linn.

Vitex Agnus Castus Linn. Spec. plant. 890.

Surinam: FOCKE 1209; Dr. VOLTZ without number.

Cultivated.

Vitex multiflora Miq. Linnaea XVIII. p. 729.

Surinam River, near Station Victoria: KAPPLER ed. Hohenacker 1366 (fl. Dec.).

Upper Saramacca River: PULLE 455 (fl. Febr.) and 215 (fl. March).

Vitex umbrosa Sw. Prodr. fl. Ind. Occ. p. 93.

Para district: SPLITGERBER 1044 H. L. B. 905, 298—75 (fl. June).

Jamaica, British Guyana.

AVICENNIA Linn.

Avicennia nitida Jacq. Americ. p. 187 t. 112. f. 1.

Lower Surinam River, near plant. Geyersvlyt: KEGEL 1023 (fl. Sept.).

Nickerie: TULLEKEN 289 H. L. B. 903, 322—1223 (fl. Aug.); TULLEKEN 304 H. L. B. 903, 322—1085 (fl. Aug.); TULLEKEN 535 H. L. B. 903, 322—944 (fl. Octob.).

Surinam: HOSTMANN 457; 1140; HOSTMANN H. L. B. 903, 322—5;

WEIGELT H. L. B. 905, 298—58 named by Reichenbach: *Avicennia tomentosa* Linn.

Vernacular name: 'Parwa'.

Tropical and sub-tropical America, Western-Africa.

LABIATAE.

LEONOTIS Pers.

Leonotis nepetaefolia (Linn.) R. Br. Prodr. 504

Phlomis nepetaefolia Linn. Spec. plant. 820.

Tapanahoni River, near Drie-Tabbetje: VERSTEEG 691 (fl. July.)

Paramaribo: SPLITGERBER 131 H. L. B. 904, 355—433 (fl. Nov.); KEGEL 98 (fl. July).

Lower Saramacca River, near Groningen: WENT 169 (fl. Aug.).

Surinam: HOSTMANN H. L. B. 903, 322—158.

Vernacular name: "Ponsoe" (Versteeg).

Tropical America and Asia.

LEONURUS Linn.

Leonurus sibiricus Linn. Spec. plant. 818.

Lower Surinam River, near plant. Jagtlust. WENT 26 (fl. July).

Paramaribo: SPLITGERBER 37 H. L. B. 904, 256—90 (fl. Nov.); KEGEL 1046 (fl. Nov.); TULLEKEN 2 H. L. B. 903, 322—1324 (fl. July); TULLEKEN 73 H. L. B. 903, 322—1352 (fl. July); BOON 1009 (fl. July); VERSTEEG 462 (fl. June).

Para district, near Post Republiek: TULLEKEN 218 H. L. B. 903, 322—1114 (fl. Aug.).

Surinam: HOSTMANN H. L. B. 903, 322—152.

Tropical Asia, introduced into America.

HYPTIS Jacq.

Hyptis mutabilis (L. C. Rich.) Briq. Natürl. Pflanzenfam. IV. 3a p. 339

Nepeta mutabilis L. C. Rich. Act. Soc. Hist. Nat. Paris.

var. **spicata (Poit.) Briq.** l. c. 339.

Hyptis spicata Poit. Ann. Mus. Par. VIII. p. 474 t. 28 f. 2.

Lawa River, near Cottica: VERSTEEG 296 (fl. Oct.).

Tapanahoni River, near Drie Tabbetje: VERSTEEG 694 (fl. July).

Paramaribo: FOCKE 1234; KEGEL 116 (fl. July); near Kwattaweg: WENT 306 (fl. Aug.).

Para district: VERSTEEG 502 (fl. June).

Surinam: KAPPLER ed. Hohenacker 1582 named *Hyptis surinamensis* *Miq.* mss.; HOSTMANN H. L. B. 903, 322—323

Tropical America.

Hyptis atrorubens Poit. Ann. Mus. Par. VII. p. 466 t. 27 f. 3.

Lower Surinam River, near plant. Jagtlust: WENT 86 (fl. Aug.).

Paramaribo: TULLEKEN 38 H. L. B. 903, 322—1289 (fl. July); TULLEKEN 77 H. L. B. 903, 322—1356 (fl. July); TULLEKEN 108 H. L. B. 903, 322—1462 (fl. Aug.).

Coppename River: BOON 1153 (fl. Sept.).

Surinam: SPLITGERBER 151 H. L. B. 904, 354—226 (fl. Nov.); HOSTMANN 315 and 606; HOSTMANN H. L. B. 903, 322—271.

Tropical America.

Hyptis capitata Jacq Icon. rar. I. t. 114.

Paramaribo: SPLITGERBER 245 H. L. B. 904, 354—297 (fl. Dec.); KEGEL 93 (fl. July).

Surinam: HOSTMANN 12; FOCKE 1145.

Tropical America.

Hyptis brevipes Poit. Ann. Mus. Par. VII. p. 465.

Upper Tapanahoni River: VERSTEEG 833 (fl. Aug.).

Para district: SPLITGERBER 1126 H. L. B. 904, 354—240 (fl. May)

Surinam: HOSTMANN 402; HOSTMANN H. L. B. 903, 322—106 and 228.

Tropical America.

Hyptis recurvata Poit. Ann. Mus. Par. VII. p. 467 t. 28 f. 2.

Saramacca River, near plant. Vier Hendrikken: WENT 215 (fl. Aug.).

Surinam: HOSTMANN 737.

Tropical South-America.

MARSYPIANTHES Mart.

Marsypianthes chamaedrys (Vahl.) O. Ktze Revisio gen. plant.

Clinopodium Chamaedrys Vahl Symb. III. p. 77.

Lower Marowynne River, near Albina: WENT 435 (fl. Oct.).

Para district, near Onoribo: FOCKE 896 named *Marsypianthes hyp-
toides* Mart.

Surinam River, near Joden Savanne: KEGEL 1102 and 1103 (fl. Sept.).

Surinam: KAPPLER ed. Hohenacker 1476; HOSTMANN 1231.

Tropical South-America.

OCIMUM Linn.

Ocimum micranthum Willd. Enum. 630.

Lawa River, near Cottica: VERSTEEG 447 (fl. Dec.).

Paramaribo: KEGEL 327 (fl. July;) WENT 344 (fl. Oct.).

Lower Saramacca River: WENT 227 and 247 (fl. Aug.)

Surinam: FOCKE 23.

Tropical America.

SOLANACEAE.

PHYSALIS Linn.

Physalis surinamensis Miq. *Linnaea* XVIII. p. 741.

Paramaribo: TULLEKEN 82 H. L. B. 903, 322—1361 (fl. July).

Surinam: HOSTMANN and KAPPLER 1395*a*; FOCKE 1233; HOSTMANN
H. L. B. 903, 322—81.

Physalis hirsuta Dunal Prodr. XIII. 1 p. 445.

Paramaribo: SPLITGERBER 272 H. L. B. 905, 298—32 (fl. Dec.); WENT
497 (fl. Oct.).

Surinam River: FOCKE 1280 (fl. May.)

Surinam: HOSTMANN and KAPPLER ed. Hohenacker 1395.
America.

Physalis angulata Linn. Hort. Cliff. p. 62.

Paramaribo: SPLITGERBER 269 H. L. B. 905, 298—31 (fl. Dec.).

Para district: VERSTEEG 523 (fl. June).

All tropical countries.

CAPSICUM Linn.

Capsicum frutescens Linn. Spec. plant. I. 271.

Lawa River: VERSTEEG 144 (fl. Aug.).

Para district: VERSTEEG 520 (fl. June).

Coronie: TULLEKEN 580 H. L. B. 903, 322—987 (fl. Oct.).

Nickerie: TULLEKEN 527 H. L. B. 903, 322—936 (fl. Oct.).

Vernacular name: »Arattakapepre».

Tropical America and Asia.

SOLANUM Linn.

Solanum oleraceum Rich. ex Dun. Prodr. XIII. 1 p. 50.

Gonini River: VERSTEEG 136 (fl. Aug.).

Tapanahoni River, near Drie Tabbetje: VERSTEEG 697 (fl. July).

Paramaribo: WENT 345 (fl. Oct.)

Surinam River, near plant. Voorburg: SPLITGERBER 532 H. L. B. 905,
298—44 (fl. Jan.).

Nickerie: TULLEKEN 300 H. L. B. 903, 322—1082 (fl. Aug.).

Surinam: FOCKE 752: HOSTMANN and KAPPLER 1663.

Cultivated by de negroes; vernacular name: "Agoema"

Tropical America.

Solanum pensile Sendtn. in Flora Bras. X. p. 50.

Marowynne River: KAPPLER (coll. 1861) H. L. B. 903, 322—417.

Litanie River: VERSTEEG 377 (fl. Nov.).

Tapanahoni River: VERSTEEG 663 (fl. July).

Paramaribo: FOCKE 57 H. L. B. 905, 298—51.

Upper Saramacca River: PULLE 442 fl. Jan.)

Upper Coppename River: BOON 1043 (fl. Aug.).

Surinam: HOSTMANN 1100; HOSTMANN and KAPPLER 1599 named *Solanum laetum* Mig. Stirp. Surin. Select. p. 135; FOCKE 616; SPLITGERBER 330 H. L. B. 905, 298—50 (fl. Dec.)

Northern Brazil, British Guyana.

Solanum leucosporum Dunal Prodr. XIII. 1 p. 99.

Surinam: HOSTMANN 1100 in herb. Boiss. ex Dunal. l. c.

Solanum asperum Vahl Eclog. II. p. 17.

Lawa River: VERSTEEG 260 (fl. Octob.).

Gonini River: VERSTEEG 139 (fl. Aug.).

Upper Tapanahoni River, near Pontoetoe: VERSTEEG 876 (fl. Sept.)

Upper Saramacca River: PULLE 139 (fl. Jan.).

Surinam: KAPPLER without number.

Vernacular name: "Wonnœ wonnœ" (Versteeg.)

Tropical America.

Solanum Radula Vahl Eclog. II. p. 16.

Commewyne River: KAPPLER without number.

Para district: SPLITGERBER 1102 H. L. B. 905, 298—45 (fl. May.)

Surinam: HOSTMANN and KAPPLER d. Hohenack. 613; HOSTMANN H. L. B. 903, 322—94.

Tropical America.

Solanum diphyllum Linn. Spec. plant. Ed. I. p. 264.

Marowynne River: VERSTEEG 435 (fl. Dec.).

Litanie River: VERSTEEG 352 (fl. Nov.).

Lower Commewyne River: FOCKE 851 (fl. Dec.).

Para district: SPLITGERBER 1045 H. L. B. 905, 298—36 (fl. June).

Lower Saramacca River: WENT 228 (fl. Aug.); PULLE 35 (fl. Nov.).

Upper Saramacca River: PULLE 128 (fl. Dec.).

Surinam: HOSTMANN and KAPPLER 1664; HOSTMANN 890 and 1271, named *Solanum surinamense* Steud. Flora 1843 p. 764.

Tropical America.

Solanum foetidum Ruiz et Pav. Flora Peruv. II. p. 39.

Surinam: HOSTMANN 896 and 1271

Tropical Brazil, Guyana.

Solanum Hostmanni Dunal Prodr. XIII. 1 p. 184.

Surinam: HOSTMANN 250.

Solanum brevipilosum Dunal Prodr. XIII. 1 p. 199.

Surinam: HOSTMANN 220.

Tropical Brazil, Guyana, West-Indies.

Solanum cuneifolium Dunal Solan. 193 n. 127 t. 22.

Lower Commewyne River, near plant. Rust en Werk: SPLITGERBER 1103 H. L. B. 905, 298—85 (fl. March)

Surinam River, near Station Victoria: KAPPLER ed. Hohenacker 1348 (fl. Dec.).

Saramacca River, near Groningen: Dr. VOLTZ without number.

Surinam: DUMORTIER; HOSTMANN H. L. B. 903, 322—9; FOCKE.

Brazil, French Guyana, Jamaica.

Solanum brachybotryon Dunal Prodr. XIII. 1 p. 212.

Surinam: HOSTMANN 1008.

Solanum cano-cinereum Dunal Prodr. XIII. 1 p. 213.Surinam: HOSTMANN ex Dunal l. c. named: *Solanum surinamense* Sendtn.

Flora Bras. X. p. 103.

Solanum Juripeba L. C. Rich. Act. Soc. Hist. Nat. Par. p. 107.

Lower Marowynne River, near Albina: VERSTEEG 27 (fl. July).

Lower Surinam River, near plant. Jagtlust: WENT 38 (fl. July).

Upper Commewyne River: FOCKE 206 (fl. Aug.).

Paramaribo: TULLEKEN 113 H. L. B. 903, 322—1467 (fl. Aug.); TULLEKEN 116 H. L. B. 903, 322—1470 (fl. Aug.); Dr. VOLTZ without number; SPLITGERBER 256 H. L. B. 905, 298—41 (fl. Dec.).

Para district: SPLITGERBER 1101 H. L. B. 905, 298—39 (fl. May); SPLITGERBER 1105 H. L. B. 905, 298—46 (fl. March); near Osembo: FOCKE 45 H. L. B. 905, 298—43 (fl. Apr.); FOCKE 604 (fl. Apr.).

Surinam River: FOCKE 312.

Lower Saramacca River, near Groningen: WENT 174 (fl. Aug.); near plant. Vier Hendrikken: WENT 216 (fl. Aug.).

Surinam: DUMORTIER without number: HOSTMANN 1013 named *Solanum stamineum* Steud. Flora 1843 p. 26; HOSTMANN H. L. B. 903, 322—19.

Northern Brazil, Guyana.

Solanum lanceaefolium Jacq. Coll. II. p. 286.

Marowynne River: KAPPLER (coll. 1861) H. L. B. 903, 322—424.

Gonini River: VERSTEEG 93 (fl. Aug.).

Coppename River: BOON 1055 and 1067 (fl. Aug.-Sept.).

Upper Nickerie River: TULLEKEN 400 H. L. B. 903, 322—1013 and TULLEKEN 520 H. L. B. 904, 322—1003 (fl. Sept.).

Vernacular name: »Waterdruif" or »Matrozendruif".

Tropical Brazil, Mexico.

Solanum velutinum Dunal Solan. Ic. ined. t. 53; Prodr. XIII. 1 p. 231.

Surinam: HOSTMANN 1008.

French Guyana.

Solanum mammosum Linn. Spec. plant. ed. I. p. 267.

Paramaribo: SPLITGERBER 28 H. L. B. 905, 298—38 (fl. Nov.).

Surinam River, near plant. Domburg: TULLEKEN 184 H. L. B. 903, 322—1174 (fl. Aug.).

Surinam: HOSTMANN 562; HOSTMANN H. L. B. 903, 322—243; FOCKE 384 (fl. Sept.)

Vernacular name: »Wintje Bobbie" or »Njoe Wintje Bobbie".

Tropical America

Solanum toxicarium L. C. Rich Act. Soc. Hist. nat. Par. 1792 p. 167.

Lower Marowyne River, near Albina: VERSTEEG 26 (fl. July).

Lawa River: VERSTEEG 440 (fl. Dec.).

Lower Surinam River, near plant. Jagtlust: WENT 60 (fl. Aug.)

Paramaribo: SPLITGERBER 4 H. L. B. 905, 298—54 (fl. Nov.); near plant.

Kwatta: FOCKE 1331 named *Solanum trichocarpum* Miq. Stirp. Surin.

Select. p. 134; FOCKE 21 H. L. B. 903, 322—1280 and 1494 (fl. July).

Upper Saramacca River: PULLE 219 (fl. March).

Coppename River: BOON 1006 (fl. Aug.)

Surinam: HOSTMANN H. L. B. 903, 322—15.

Northern Brazil, Guyana.

Solanum rubiginosum Vahl Eclog. II. p. 17 t. 15.

Para district: SPLITGERBER 1168 H. L. B. 905, 298—48 (fl. June).

French Guyana

Solanum crinitum Lam. Illustr. n. 2336.

Commewyne River: KAPPLER without number in hb. Rheno.-Traject.

Saramacca River: SPLITGERBER 1063 H. L. B. 905, 298—34 (fl. June).

Surinam: HOSTMANN 1270.

Tropical Brazil, French Guyana.

Solanum Aubletii Pulle.

Bassovia sylvatica Aubl. Plant. Guyan. I. p. 217 t. 85.

Rami glabri; folia membranacea longiuscule petiolata ovato-elliptica, basi longe cuneata, apice acuta subcuspidata, integerrima utrinque glabra penninervia, venis subparallelis versus marginem arcuatis anastomosan-

tibus, subtus prominentibus; flores in axillis foliorum subumbellati pedicellis pedunculum aequantibus; calyx campanulatus glaber, 5-fidus, lobis brevissimis, acutis, corolla 5-partita, tubo brevi laciniis ovatis sub-acutis margine revolutis, uni-nerviis, extus sparse puberulis. Stamina 5 in parte superiore tubi inserta, filamentis brevibus, inferne brevissime connatis, antheris ovato-ellipticis, filamentis multo longioribus, sulcatis apice poris 2 dehiscentibus, pariete externo multo crassiore quam pariete interno; ovarium ovatum glabrum, stylo terete antheras paulo superante, stigmate obtuso; bacca rugosa, ovata, apice acuminata, bilocularis; semina plurima, reniformia, glabra, in pulpa nidulantia.

Planta 3—4 pedalis, foliis solitariis ad 37 cM. longis. 14 cM. latis; venis lateralibus utrinque ad 17. Petiolus 5—7 cM. longis. Pedicelli et pedunculi 1 cM. longi. Flores 6 cM. lati, antheris 1 mM. longis. Bacca 18 mM. longa, 12 mM. lata.

Pl. XVII.

Lawa River, near Cottica Mountains: VERSTEEG 331 (fl. and fr. Oct.). French Guyana.

Comparing the above described specimen with the original specimen of Aublet in the British Museum, I found that my plant in all vegetative parts agrees so perfectly with the original *Bassovia sylvatica* Aubl., that, in spite of the fact that Aublet's specimen bears no flowers or fruit, I did not hesitate to identify the above described plant with *Bassovia sylvatica*. When examining the flowers and fruits, however, it appeared that Aublet's illustration is not quite correct and moreover is too incomplete to found the genus *Bassovia* on it. So e. g. nothing appears from Aublet's illustration about the shape of the anthers and the way in which they spring open. Besides the illustration of the fruit has probably been taken from a dried specimen, so that the seeds, which lie directly under the wall of the fruit, when dried, give the impression as if the fruit were "tuberculate", which is by no means the case, however, as proved by fruits preserved in alcohol which are in my possession. Also of the membranous fringe round the seed nothing can be found in my specimen; here Aublet probably illustrated part of the pulpa or of the cast off testa. From the description given above, it further appears that *Bassovia sylvatica* differs in no respect from *Solanum*. The outer wall of the anther is considerably thicker than the inner one and also the anthers spring open with two apical pores. Hence the genus *Bassovia* Aubl. has become synonymous with *Solanum* Linn. and so it is necessary to give a new generic name to the remaining 11 species of *Bassovia*.



Linschoten del.

Lith. Graue & W. M. Tapp.

Basseria sylvatica Aubl.

MARKEA L. C. Rich.

Markea coccinea L. C. Rich. Act. Soc. Hist. Nat. Par. 107.

Gonini River: VERSTEEG 231 (fl. Sept.).

Tapanahoni River: VERSTEEG 763 (fl. Aug.).

Surinam River, near plant. Jagtlust: SPLITGERBER 398 H. L. B. 905 .
298—30 (fl. Dec.); FOCKE 827 (fl. Aug.) and 488.

Lower Saramacca River, near Mindrinetti: PULLE 53 (fl. Nov.)

Surinam: KAPPLER 1347; HOSTMANN 348.

French Guyana.

CESTRUM Linn.

Cestrum latifolium Lam. Illustr. II. p. 5 n. 2275.

Cottica district: FOCKE 1350 (fl. Oct.).

Paramaribo: FOCKE 833 (fl. Sept.); WENT 310 (fl. Aug.)

Para district: SPLITGERBER 979 H. L. B. 905, 298—27 (fl. Jan.).

Surinam: KAPPLER 1572; HOSTMANN H. L. B. 903, 322—249.

West-Indies.

NICOTIANA Linn.

Nicotiana tabacum Linn. Spec. plant. ed. I. p. 258.

Upper Tapanahoni River, near Pontoetoe: VERSTEEG 875 (fl. and fr.
Sept.).

Saramacca River, near Maripaston: PULLE 18 (fl. Nov.)

Surinam: HOSTMANN 402.

Cultivated; Caraiban name: "Tamoe" (Versteeg.).

Tropical America.

SCHWENCKIA Linn.

Schwenckia guyanensis Bth. in D. C. Prodr. X. p. 195.

Upper Surinam River, near Blauwe Berg: FOCKE 993.

Surinam: HOSTMANN 1114.

Guyana.

SCROPHULARIACEAE.

STEMODIA Linn.

Stemodia parviflora Ait. Hort. Kew. ed. II. 4 p. 52.

Surinam: FOCKE 270.

Tropical South-America.

Stemodia surinamensis Miq. Linnaea XXII. p. 475.

Lower Surinam River, near plant. Jagtlust: FOCKE 486.

Upper Surinam River: FOCKE 1307 (fl. May).

ACHETARIA Cham. et Schltd.

Achetaria ocymoides (Cham. et Schltd.) Wettst. Natürl. Pflanzenfam.
IV. 3b. p. 74.

Beyrichia ocymoides Cham. et Schltd. Linnaea III. p. 21.

Lower Marowyne River, near Albina: WENT 452 (fl. Oct.); VERSTEEG
32 (fl. July).

Lower Surinam River, near plant. Jagtlust: FOCKE 479.

Paramaribo: FOCKE 36; TULLEKEN 46 H. L. B. 903, 322—1303; TUL-
LEKEN 61 H. L. B. 903, 322—1340; TULLEKEN 79 H. L. B. 903,
322—1358 (fl. July); TULLEKEN 111 H. L. B. 903, 322—1465 (fl. Aug.).

Para district, near Post Republiek: TULLEKEN 222 H. L. B. 903, 322—
1438 (fl. Aug.); near Savanne Berlyn: WENT 388 (fl. Sept.).

Surinam: HOSTMANN 578.

Tropical Brazil, Guyana.

CONOBEA Aubl.

Conobea aquatica Aubl. Plant. Guyan II. 639 t. 258.

Commewyne River: FOCKE 208 (fl. Aug.).

Paramaribo: SPLITGERBER 774 H. L. B. 905, 298—9 (fl. March); KEGEL
432 (fl. Aug.).

Para district: VERSTEEG 479 (fl. June); near Post Republiek: TULLEKEN
243 H. L. B. 903, 322—1423 (fl. Aug.).

Surinam: HOSTMANN 378; HOSTMANN H. L. B. 903, 322—126.

Guyana, Venezuela.

BACOPA Aubl.**Bacopa sessiliflora (Bth.) Pulle.**

Herpestis sessiliflora Bth. in Comp. Bot. Mag. II. p. 58.

Para district. near Berlyn: FOCKE 1036 named *Herpestis polyadena* Mig.

Linnaea XXII. p. 474; near Post Republiek: TULLEKEN 251 H. L. B. 903, 322—1444 (fl. Aug.)

Surinam near Landsgrond: KEGEL 944 (fl. July).

Bacopa bacopoides (Bth.) Pulle.

Herpestis bacopoides Bth. in D. C. Prodr. X. p. 399.

Litanie River: VERSTEEG 375 (fl. Nov.).

Tropical Brazil.

Bacopa flexilis v. Wettst. Mss. in Herb. Berol.

Herpestis flexilis Klotzsch in Schomburgk's Reise III. 1156 (nomen nudum).

Paramaribo: FOCKE 1419 (fl. Jan.)

British Guyana.

Bacopa aquatica Aubl. Plant. Guyan. I. 128 t 49.

Lawa River: VERSTEEG 388 (fl. Oct.)

Cottica River, near Post Belair: SPLITGERBER 806 H. L. B. 905, 298—1 (fl. April).

Paramaribo: FOCKE 1 H. L. B. 905, 298—3 named *Bacopa rivularis* Mig. Mss.; near Poelepantje: KEGEL 249 (fl. June).

Para district: VERSTEEG 480 (fl. June); near Osembo: FOCKE 326 (fl. Sept.)

Surinam: FOCKE 506; HOSTMANN 634; HOSTMANN H. L. B. 903, 322—237; LANDRÉ H. L. B. 903, 298—11.

Tropical Brazil, Guyana.

TORENIA Linn.**Torenia parviflora Hamilt. in Wall. Cat. 3958.**

Para district: VERSTEEG 478 (fl. June); near Osembo: FOCKE 580 (fl. Apr.).

Surinam: HOSTMANN 850.

Tropical America and Acia.

LINDERNIA All.**Lindernia diffusa (Linn.) Wettst. Natürl. Pflanzenfam. IV. 3b. p. 79.**

Vandellia diffusa Linn. Mant. 89.

Lower Surinam River, near plant. Jagtlust: SPLITGERBER 382 H. L. B. 905, 208—20 (fl. Dec.).

Paramaribo: FOCKE 1111 (fl. May).

Surinam: HOSTMANN 344.

Tropical America.

Lindernia crustacea (Linn.) F. v. Müll. Census 97.*Capraria crustacea* Linn. Mant. p. 87.

Lawa River, near Cottica Mountains: VERSTEEG 295 (fl. Oct.).

Paramaribo: SPLITGERBER 185 H. L. B. 905, 298—19 (fl. Nov.); FOCKE 179; KEGEL 378 (fl. July); TULLEKEN 45 H. L. B. 903, 322—1304 (fl. July); TULLEKEN 59 H. L. B. 903, 322—1338 (fl. July).

Para district, near Koffiedjampo: VERSTEEG 475 (fl. June).

Surinam: FOCKE 562; 1012; HOSTMANN and KAPPLER 330; HOSTMANN
All tropical countries.**CAPRARIA Linn.****Capraria biflora** Linn. Spec. plant 875.

Paramaribo: SPLITGERBER 579 H. L. B. 905, 298—6 (fl. Febr.); TULLEKEN 6 H. L. B. 903, 322—1320 (fl. July); WENT 15 (fl. July); WENT 258 (fl. Aug.); near Tourtonne: FOCKE 513 (fl. Sept.).

Lower Nickerie River: FOCKE 503 (fl. May).

Surinam: WEIGELT; HOSTMANN 628; HOSTMANN H. L. B. 903, 322—7.
All tropical America.**SCOPARIA Linn.****Scoparia dulcis** Linn. Spec. plant. p. 168.

Lower Marowyne River, near Albina: VERSTEEG 41 (fl. July); TULLEKEN 589 H. L. B. 903, 322—1203 (fl. Nov.).

Tapanahoni River, near Drie Tabbetje: VERSTEEG 665 (fl. July).

Paramaribo: near Poelepantje: KEGEL 25 (fl. June); FOCKE 35; TULLEKEN 4 H. L. B. 903, 322—1322 (fl. July); TULLEKEN 105 H. L. B. 903, 322—1459 (fl. Aug.); WENT 316 (fl. Aug.).

Lower Surinam River, near plant. Domburg: TULLEKEN 259 H. L. B. 903, 322—1164 (fl. Aug.)

Lower Saramacca River, near plant. Vier Hendrikken: WENT 219 (fl. Aug.); near Maripaston: PULLE 7 (fl. Nov.).

Surinam: HOSTMANN 380; SPLITGERBER 157 H. L. B. 905, 298—12 (fl. Nov.)
Vernacular name: "Sisibie Wiwirie".

All tropical countries.

ALECTRA Thunb.**Alectra brasiliensis** Bth. in D. C. Prodr. X. p. 339.

Cottica River, near plant. Sardam: FOCKE 525 (fl. Aug.).

Paramaribo, near Poelepantje: KEGEL 92 (fl. July).

Surinam: FOCKE 143, 153, 171 and 394; HOSTMANN 649.

Tropical Brazil, Guyana, West-Indies.

GERARDIA Linn.**Gerardia hispidula** Mart. Nov. Gen. et Spec. III. 13 t. 207.

Surinam: FOCKE 40; HOSTMANN 567.

Tropical Brazil, Guyana.

BÜCHNERA Linn.

Büchnera palustris (Aubl.) Spr. Syst. II. p. 805.

Pripea palustris Aubl. Plant. Guyan. II. 628 t. 253.

Para district: SPLITGERBER 981 H. L. B. 905, 298—5 (fl. May); KAPPLER
ed. Hohenacker 1418 (fl. Febr.-Apr.); near Savanne Berlyn: WENT
393 (fl. Sept.).

Northern Brazil, Guyana.

LENTIBULARIACEAE.

UTRICULARIA Linn.

Utricularia purpurea Walt. Flora Car. p. 64.

Surinam: HOSTMANN 25 and 608.

Tropical and sub-tropical America.

Utricularia oligosperma St. Hil. Voy. II. p. 427.

Cottica River, near Post Oranjewoud: FOCKE 142 H. L. B. 899, 108—98 (fl. Oct.); FOCKE 720 (fl. Oct.).

Commewyne River: FOCKE 515; SPLITGERBER 484 H. L. B. 899, 108—96; named *Utricularia guyanensis* Splitg. Mss; de Vriese Ned. Kruidk. Arch. I. p. 323.

Surinam: DUMORTIER.

Brazil.

Utricularia Parkeriana A. DC. Prodr. VIII. p. 9.

Marowynne district: KAPPLER ed. Hohenacker 1891 (fl. Aug.).

British Guyana.

Utricularia subulata Linn. Spec. plant. p. 26.

Para district, near Onoribo: FOCKE without number.

America.

Utricularia pusilla Vahl Enum. I. p. 202.

Para district, near Onoribo: SPLITGERBER 672 H. L. B. 899, 346—3 (fl. March); FOCKE 1054 (fl. Sept.)

French Guyana.

Utricularia leptantha Benj. Linnaea XX. p. 313.

Surinam: HOSTMANN 980.

Utricularia amethystina Salzm. ex St. Hil. Mon. Prim. et Lentib. ed. II. p. 40.

Para district, near Onoribo: SPLITGERBER 674 H. L. B. 899, 346—4 (fl. March); named: *Utricularia spatulata* Splitg. Mss.

Surinam: HOSTMANN H. L. B. 903, 322—129.

Tropical Brazil.

Utricularia Fockeana Miq. Stirp. Surin. Select. p. 113.
Surinam: FOCKE 1141.

Utricularia tenuifolia Benj. Linnæa XX. p. 304.
Para district: VERSTEEG 481 (fl. June).
Surinam: HOSTMANN 83.

Utricularia angustifolia Benj. Linnæa XX. p. 331.
Tapanahoni River: VERSTEEG 736 and 773 (fl. Sept.)
Surinam River, near Joden-Savanne: KEGEL ex Benj. l. c. 320.
Surinam: HOSTMANN 804.

Utricularia (*Akentra*) **inflata** Benj. Linnæa XX. p. 319.
Surinam: HOSTMANN 85.

POLYPOMPHOLYX Lehm.

Polypompholyx laciniata Benj. in Linnæa XX. p. 496.
Para district, near Berlyn: SPLITGERBER 973 (fl. Apr.), named *Utricularia longeciliata* A. DC.; de Vriese Ned. Kruidk. Archief I. p. 325;
near Onoribo: FOCKE 1053.
Surinam: HOSTMANN H. L. B. 903, 322—130 and 131.
British Guyana.

GESNERIACEAE.

BESLERIA Linn.

Besleria surinamensis Miq. Linnaea XXII. p. 471.

Surinam: HOSTMANN and KAPPLER 764; KAPPLER 1639.

DRYMONIA Mart.

Drymonia cristata Miq. Linnaea XVIII. p. 26.

Paramaribo: WENT 292 (fl. Aug.).

Surinam: FOCKE 766; KEGEL without number; WULLSCHLÄGEL 380.

Drymonia serrulata (Jacq.) Mart. Nov. Gen. III. p. 57.

Besleria serrulata Jacq. Hort. Schönbr. III. p. 21 t. 291.

Surinam River, near plant. Jagtlust: SPLITGERBER 586 H. L. B. 903,
310—164 (fl. Febr.)

West-Indies.

CRANTZIA Scop.

Crantzia Patrisii (D. C.) Fritsch Natürl. Pflanzenfam. IV. 3b. p. 168.

Alloplectus Patrisii D. C. Prodr. VII. p. 545.

Gonini River: VERSTEEG 253 (fl. Sept.).

Para district, near plant. Berlyn: SPLITGERBER 716 H. L. B. 903, 307—
266 (fl. March).

Surinam River, near Bergendal: FOCKE 975.

Lower Saramacca River, near Maripaston: KEGEL 1370 (fl. May).

Surinam: KAPPLER 1372; WULLSCHLÄGEL 1322.

French Guyana.

CODONANTHE Mart.

Codonanthe calcarata (Miq.) Hanst. Linnaea XXXIV. p. 416.

Nematanthus calcaratus Miq. Linnaea XXII. p. 472.

Upper Liianie River: VERSTEEG 394 (fl. Dec.).

Lower Surinam River: KEGEL 805 (fl. Febr.).

Paramaribo: WULLSCHLÄGEL 379.

Para district: WENT 379 (fl. Sept.); near Berlyn: FOCKE 941 (fl. March).

Upper Saramacca River: PULLE 134 (fl. Dec.).

Surinam: FOCKE, named *Hypocyrta crassifolia* Focke in Tydschrift Wissen Natuurk. Wetensch. V. p. 200.

French Guyana.

GLOXINIA l'Hérit.

Gloxinia perennis (Linn.) Fritsch Natürl. Pflanzenfam. IV. 3b. p. 174.

Martynia perennis Linn. Spec. plant. 862.

Gloxinia maculata l'Hérit.

Paramaribo: FOCKE 822, named: *Gloxinia trichantha* Miq. Linnaea XXII. p. 473.

Para district: WULLSCHLÄGEL 767.

All tropical South-America.

BIGNONIACEAE.

ARRABIDAEA P. DC.

Arrabidaea sordida Bur. et K. Schum. Flora Bras. VIII. 2 p. 30.

Bignonia sordida Klotzsch in Schomb. Reise III. 1158. (nomen nudum).

Upper Saramacca River: PULLE 462 (fl. Jan.).

British Guyana.

Arrabidaea florida P. DC. Prodr. IX. p. 184.

Upper Tapanahoni River. VERSTEEG 893 (fl. Sept.)

Upper Saramacca River: PULLE 450 (fl. Jan.).

Tropical Brazil, Venezuela, Peru, Bolivia.

Arrabidaea candicans P. DC. Prodr. IX. 185.

Surinam River, near Sornau-kreek: KEGEL 1090 (fl. Nov.).

Para district, near Berlyn: WULLSCHLÄGEL 1518.

Upper Saramacca River, near Janbasigado: PULLE 188 (fl. Jan.)

Amazon district, Guyana, Columbia, Bolivia.

Arrabidaea oligantha Bur. et K. Schum. Flora Bras. VIII. 2 p. 63.

Marowynne River: KAPPLER (coll. 1861) H. L. B. 903, 322—430.

Lower Saramacca River: KEGEL 1258 (fl. May).

Upper Saramacca River, near Mount Janbasigado: PULLE 162 (fl. Jan.).

Tropical Brazil.

Arrabidaea inaequalis (P. DC.) Baill. Hist. des Plantes X. 28.

Bignonia inaequalis P. DC. in Splitgerb. Observat. de Bignon Surinam.

in Tydschrift Natuurl. Geschied. en Phys. IX. p. 9; DC. in Prodr.

IX. p. 170.

Paramaribo: WULLSCHLÄGEL 803 and 1513 ex Bur. et K. Schum. l. c.

75; near Tourtonne: FOCKE 492 named *Bignonia decomposita* Miq.

Linnaea XVIII. p. 260.

Para district: SPLITGERBER 694 H. L. B. 898, 196—308 (fl. March).

Surinam: HOSTMANN and KAPPLER.

Vernacular name: "Oeman Barklak" (Splitg.).

Amazon district, French Guyana.

Arrabidaea Pullei Sprague in Bull. de l'Herb. Boissier ined.

Upper Saramacca River, near Mount Janbasigado: PULLE 170 (fl. Jan.);
near Toekoemoetoe River: PULLE 495 (fl. March).

PETASTOMA Miers.

Petastoma patelliferum (Schlecht.) Miers Proc. Roy. Hort. Soc. III. 195.

Bignonia patellifera Schlecht. Linnaea 1833 p. 516.

Commewyne River: KAPPLER without number.

Paramaribo, near Poelepantje: KEGEL 648 (fl. Sept.)

Para district: SPLITGERBER 1088 H. L. B. 898, 196—297 and 298 named:

Bignonia cupulata Splitg. Tydschr. Nat. Geschied. en Phys. IX. p. 6.

Surinam: KAPPLER ed. Hohenacker 1957 named *Tabebuia neurophylla*
Miq. Linnaea XXVI. p. 219.

Surinam: HOSTMANN H. L. B. 903, 322—197.

Northern Brazil, Venezuela, Mexico, Costa-Rica.

ADENOCALYMMA Mart.

Adenocalymma inundatum Mart. in P. DC. Prodr. IX. p. 201.

var. β **surinamensis** Bur. et K. Schum. Flora Bras. VIII. 2 p. 94.

Marowynne River: WULLSCHLÄGEL 11 ex Bur. et K. Schum. l. c.

Surinam: HOSTMANN and KAPPLER without number.

Amazon district.

Adenocalymma Kerere Aubl. (sub *Bignonia*) Plant. Guyan. II. 644 t. 260.

Para district: SPLITGERBER 1089 H. L. B. 898, 196—320 (fl. May) named

Bignonia Cherere Aubl.; Splitgerber Tydschr. Nat. Geschied. en
Phys. IX p. 8.

Surinam River, near Cassepoerakreek: KEGEL 1168 (fl. Nov.)

French Guyana.

Adenocalymma foveolatum Bur. apud K. Schum. Natürl. Pflanzenfam.

IV. 36. p. 214.

Marowynne River, near Albina: WULLSCHLÄGEL 332 and 1514 ex Bur.
et K. Schum. l. c. 110.

Amazon district.

Adenocalymma bilabiatum Sprague Bullet. de l'Herb. Boissier ined.

Lower Saramacca River: PULLE 93 (fl. Nov.).

ANEMOPAEGMA Mart.

Anemopaegma microcalyx (G. F. W. Meyer) Bur. et K. Schum. Flora
Bras. VII. 2 p. 134.

Bignonia microcalyx G. F. W. Mey. Prim. Esseq. 211.

Upper Surinam River: FOCKE without number, named *Bignonia micro-*
calyx Mey. var. *acuminata* Miq. Flora XXV. p. 427.

Surinam River, near Joden Savanne: KEGEL 1160 (fl. Nov.)

Surinam: WULLSCHLÄGEL 1032 ex Bur. et K. Schum. l. c.

Anemopaegma cupulatum Bur. et K. Schum. Flora Bras. VIII. 2 p. 146.

Surinam: WULLSCHLÄGEL 59 ex Bur. et K. Schum.

Anemopaegma brachycalyx Bur. et K. Schum. Flora Bras. VIII. 2 p. 145.

Bignonia brachycalyx Klotzsch in Schomb. Reise III. 1085. (nomen nudum).

Gonini River: VERSTEEG 215 (fl. Sept.).

Coppename River: BOON 1074 (fl. Aug.).

British Guyana.

Anemopaegma surinamense Sprague Bull. de l'Herb. Boiss. ined.

Marowynne River, near Albina: WENT 428 (fl. Octob.).

Pauluskreek: FOCKE 1414 (fl. Sept.).

forma **parviflora** Sprague l. c.

Surinam: FOCKE 71.

Anemopaegma Parkeri Sprague Bull. de l'Herb. Boiss. ined.

Para district, near Savanna Kompas: WENT 377 (fl. Sept.).

Lower Coppename River: WENT 128 (fl. Aug.).

CLYTOSTOMA Miers.

Clytostoma noterophilum (Mart.) Bur. et K. Schum. Flora Bras. VIII. 2 p. 153.

Bignonia noterophila Mart. ex P. DC. Prodr. IX. p. 148.

Marowynne River: KAPPLER (coll. 1861) H. L. B. 903, 322—418.

Lawa River: VERSTEEG 454 (fl. Jan.).

Gonini River: VERSTEEG 151 (fl. Aug.).

Tapanahoni River: VERSTEEG 886 (fl. Sept.).

Surinam River, near Joden-Savanna: KEGEL 119 (fl. Nov.).

Lower Saramacca River: PULLE 76 and 96 (fl. Nov.).

Upper Coppename River: BOON 1080, 1197 and 1205 (fl. Aug.-Octob.).

Tropical and sub-tropical Brazil, French Guyana.

MARTINELLA Baill.

Martinella obovata (H. B. K.) Bur. et K. Schum. Flora Bras. VIII. 2 p. 161.

Spathodea obovata H. B. K. Nov. Gen. et Spec. III. 147.

Pamaribo: FOCKE 924 named *Bignonia Fockeana* Miq. Linnaea XVIII. p. 609; KEGEL 1014 (fl. Sept.); WULLSCHLÄGEL 335.

Coppename River: BOON (fl. Aug.).

Surinam: HOSTMANN 334.

Northern Brazil, Columbia, Venezuela, Costa Rica.

PITHECOCTENIUM Mart.

Pithecoctenium echinatum (Aubl.) K. Schum. Natürl. Pflanzenfam. IV. 3b. p. 218.

- Bignonia echinata* Aubl. Plant. Guyan. 649. t. 263 and 264 (pro. p.).
 Commewyne River, near plant. Hooiland: SPLITGERBER 522 H. L. B. 898, 199—128 (fl. Jan.); named *Pithecoctenium Aubletii Splitg.* Tydschr. Nat. Geschied. en Phys. IX. p. 12.
 Para district, near plant. la Rencontre: FOCKE 795.
 Surinam: SPLITGERBER 544 H. L. B. 898, 199—129 (fl. Jan.).
 Vernacular name: »Keesi keesi kam" (Focke) or »Kapellendoos" (Splitgerber).
 Tropical America.

DISTICTIS Bur.

- Distictis elongata* (Vahl.) Bur. et K. Schum. Flora Bras. VIII. 2 p. 178.
Bignonia elongata Vahl Eclog. II. p. 45 t. 16.
 Paramaribo, near Wanicapad: WULLSCHLÄGEL 1517.
 Surinam: HOSTMANN ex Bur. et K. Schum. l. c.
 French Guyana, Venezuela.

- Distictis racemosa* Bur. et K. Schum. Flora Bras. VIII. 2 p. 179.
 Paramaribo: WULLSCHLÄGEL 1033 ex Bur. et K. Schum. l. c.
 Northern Brazil.

PARAGONIA Bur.

- Paragonia pyramidata* (L. C. Rich.) Bur. in Vidensk. Meddels. naturk. Foren. 1893 p. 104.
Bignonia pyramidata L. C. Rich. in Act. Soc. Hist. nat. Paris 1792 p. 110.
 Marowyne River: KAPPLER (coll. 1861) H. L. B. 903, 322—354.
 Lawa River, near Cottica Mountains: VERSTEEG 267 (fl. Octob.)
 Gonini River: VERSTEEG 141 (fl. Aug.).
 Tapanohoni River: VERSTEEG 765 (fl. Aug.).
 Paramaribo: WENT 355 (fl. Sept.); near Poelepantje: KEGEL 1214 (fl. Aug.)
 Surinam River: WULLSCHLÄGEL 334; near Joden-Savanne; KEGEL 1162 (fl. Nov.); near Cassepoerakreek: KEGEL 1166 (fl. Nov.); near Bergendal: FOCKE 930 named *Zeyheria surinamensis* Miq. Linnaea XVIII. p. 250 and 608 (fl. Sept.).
 Pauluskreek: FOCKE 930 (fl. Sept.); WENT 557 (fl. Nov.).
 Lower Saramacca River: PULLE 90 (fl. Nov.).
 Upper Saramacca River: PULLE 462 (fl. Febr.).
 Coppename River: BOON 1040 (fl. Aug.).
 Upper Nickerie River: TULLEKEN 323 H. L. B. 903, 322—1035 and 1233; TULLEKEN 402 H. L. B. 903, 322—1508; TULLEKEN 415 H. L. B. 903, 322—1275 and 1282.
 Surinam: FOCKE H. L. B. 898, 200—157.
 Tropical and sub-tropical Brazil, Venezuela.

CALLICHLAMYS Miq.

Callichlamys latifolia (Rich.) K. Schum. Natürl. Pflanzenfam. IV. 36.
p. 223 f. 88 M.N.

Bignonia latifolia L. C. Rich. Act. Soc. Hist. Nat. Par. 1792 p. 106.

Cottica River: FOCKE 548 (fl. Oct.) named *Callichlamys riparia* Miq.
Linnaea XVIII. p. 254.

Paramaribo: KEGEL 1045 (fl. Nov.).

Para district; SPLITGERBER 549 H. L. B. 898, 196—348 named *Delostoma latifolium* Splitg. Tydschr. Nat. Geschied. en Phys. IX. p. 11; KAPLER 96.

Pauluskreek: WENT 555 (fl. Nov.); WULLSCHLÄGEL 337.

Upper Saramacca River: PULLE 205 (fl. March).

Surinam: FOCKE 170 H. L. B. 898, 196—311; HOSTMANN H. L. B. 903, 322—149.

Tropical South-America.

CYDISTA Miers.

Cydista aequinoctialis (Linn.) Miers Proc. Roy. Hort. Soc. III. 191.

Bignonia aequinoctialis Linn. Spec. plant. ed. I. 623.

Lower Marowynne River, near Albina: VERSTEEG 12 (fl. July).

Gonini River: VERSTEEG 66 (fl. Aug.); near Poeloegoedoe: VERSTEEG 611 (fl. July).

Tapanahoni River: VERSTEEG 688 (fl. July).

Commewyne River, near plant. Canawappibo: SPLITGERBER 309 H. L. B. 898, 196—315 (fl. Dec.); FOCKE 204.

Lower Surinam River, near plant. Jagtlust: WENT 49 and 54 (fl. Aug.).

Paramaribo: SPLITGERBER 130 H. L. B. 898, 196—316 (fl. Nov.); SPLITGERBER 558 H. L. B. 898, 200—167 (fl. Febr.); KEGEL 843 (fl. March); KEGEL 407 (fl. Aug.); KEGEL 474 (fl. Aug.); FOCKE 203.

Para district: SPLITGERBER 1089 H. L. B. 898, 196—317 (fl. May), named by Splitgerber Tydschr. Nat. Geschied. en Phys.: *Bignonia incarnata* Aubl.

Surinam River, near Cassepoerakreek: KEGEL 1164 (fl. Nov.).

Lower Saramacca River: WENT 173 (fl. Aug.).

Lower Coppename River: WENT 120 (fl. Aug.); 144 (fl. Aug.).

Upper Coppename River: BOON 1058; 1100 and 1252 (fl. Aug.-Oct.).

Upper Nickerie River: TULLEKEN 478 H. L. B. 903, 322—1054 and 1253.

Surinam: WULLSCHLÄGEL 1512, 1336 and 331; HOSTMANN named *Bignonia Hostmanni* E. Mey. Nova Acta acad. nat. cur. XII. p. 779; HOSTMANN H. L. B. 903, 322—265; FOCKE 336.

Tropical South-America.

LUNDIA P. DC.

Lundia densiflora P. DC, Prodr. IX. p. 181.

Gonini River: VERSTEEG 235 (fl. Sept.).

Lower Saramacca River, near Mindrinetti: PULLE 61 (fl. Nov.).

Northern Brazil.

Lundia erionema P. DC. Prodr. IX. p. 181.

Surinam River: WULLCHLÄGEL 864 ex Bur. et K. Schum. l. c. 238.

Northern Brazil.

MEMORA Miers.

Memora flaviflora (Miq.) Pulle.

Spathodea flaviflora Miq. Stirp. Surin. Select. p. 124.

Marowyne River: KAPPLER ed. Hohenacker 1865 (fl. Aug.).

Tapanahoni River: VERSTEEG 635 (fl. July).

Nickerie River: TULLEKEN 501 H. L. B. 903, 322—1012 (fl. Sept.)

Memora caracasana K. Schum. in Natürl. Pflanzenfam. IV. 36. p. 225.

Upper Saramacca River, near Mount Janbasigado: PULLE 148 (fl. Febr.).

Venezuela.

PLEONOTOMA Miers.

Pleonotoma chondragona (Miq.) Miers. Proc. Roy. Hort. Soc. III. p. 185.

Bignonia chondragona Miq. Linnaea XVIII. p. 611.

Marowyne River: KAPPLER (coll. 1861) H. L. B. 903, 322—427.

Gonini River: VERSTEEG 85 (fl. Aug.)

Surinam River: FOCKE 970 (fl. Sept.).

Lower Saramacca River: PULLE 57 and 89 (fl. Nov.).

Venezuela.

MACFADYENA A. DC.

Macfadyena uncinata (G. F. W. Mey) P. DC. Prodr. IX. p. 180.

Bignonia uncinata G. F. W. Mey Prim. Flor. Esseq. 210.

Lower Surinam River, near plant. Jagtlust: SPLITGERBER 422 H. L. B.

898, 199—90 (fl. Dec.) named by Splitgerber Tydschr. Nat. Geschied. en Phys. IX. p. 7: *Bignonia uncinata* G. F. W. Meyer (erroneously E. Meyer).

Cottica River, near plant. Adrichem: FOCKE 87 H. L. B. 898, 199—91

(fl. Oct.) and FOCKE 661 named *Dolichandra Fenzliana* Miq. Linnaea XVIII. p. 251 and *Macfadyena Fenzliana* Miq. Stirp. Surin. Select. p. 125.

Northern Brazil, Guyana, Bolivia.

JACARANDA Juss.

Jacaranda filicifolia (Anders.) D. Don. in Edinb. phil. journ. 1823 p.

266 No. 4.

Bignonia filicifolia Anders. Trans. of scienc. and arts. XXV. 200.

Marowyne River: KAPPLER (coll. 1861) H. L. B. 903, 322—422.

Paramaribo: FOCKE 320.

Surinam River, near Cassepoerakreek: KEGEL 1171 (fl. Nov.); near

Station Victoria: KAPPLER ed Hohenacker 1359 (fl. Dec.)

Upper Coppename River: BOON 1088 (fl. Aug.)

Upper Nickerie River: TULLEKEN 366, H. L. B. 903, 322—1099 (fl. Sept.)

Surinam: WULLSCHLÄGEL 341; TULLEKEN 246 H. L. B. 903, 322—1439.

var. **puberula** K. Schum. Flora Bras. VIII. 2 p. 390.

Marowyne River: KAPPLER H. L. B. 903, 322—512.

Gonini River: VERSTEEG 216 (fl. Sept.).

Upper Saramacca River: PULLE 151 (fl. Jan.).

Upper Coppename River: BOON 1050 (fl. Aug.) and 1234 (fl. Oct.).

Vernacular name: »Goebai» (Pulle) or »Gobo-Gobo wiwirie» (Tulleken).

Jacaranda Copaia (Aubl.) D. Don. in Edinb. phil. journ. 1823 p. 264.

Surinam: HOSTMANN and KAPPLER 1313; HOSTMANN 609a.

French Guyana, Northern Brazil, Panama.

TECOMA Juss.

Tecoma araliacea P. DC. Prodr. IX. p. 221.

Para district: PLASSCHAERT (fl. Aug.),

Surinam River, near Bergendal: WULLSCHLÄGEL 340 ex Schum. l. c. 329.

Vernacular name: »Groenhart» (Plasschaert).

Tropical and sub-tropical Brazil, Paraguay.

Tecoma leucoxydon (Linn.) Mart. Mss. in P. DC. Prodr. IX. p. 341.

Bignonia leucoxydon Linn. Spec. plant. ed. I. p. 342.

var. β **salpingophora** K. Schum. Flora Bras. VIII. 2 p. 342.

Surinam: KAPPLER 1697 and 1697a ex Schum. l. c.

Vernacular name: »Courali» (Kappler).

Tropical South-America.

Tecoma conspicua P. DC. Prodr. IX. p. 221.

Marowyne River: KAPPLER (coll. 1861) H. L. B. 903, 322—421.

French Guyana.

COURALIA Splitg.

Couralia fluviatilis (Aubl.) Splitg. in Tydschr. Nat. Geschied. en Phys.

IX. p. 15.

Bignonia fluviatilis Aubl. plant. Guyan. II. 655 t. 267.

Marowyne River, near Albina: WULLSCHLÄGEL 339.

Wanica kreek: WULLSCHLÄGEL 1035.

Tempati River: FOCKE 1245 described by Miquel, Stirp. Surin. Select. p.

122: *Tecoma Meyeriana* DC.

Pauluskreek: FOCKE 1396 (fl. Sept.)

Paramaribo, near Poelepantje: KEGEL 836 (fl. March).

Lower Coppename River: WENT 147 (fl. Aug.)

Surinam: SPLITGERBER H. L. B. 898, 196—359 (fl. Dec.); HOSTMANN in hb. Gött. named *Bignonia aquatilis* E. Mey in Nova Acta Acad. nat. cur. XII. 780; KAPPLER 1697 named *Tecoma insignis* Miq. Stirp. Surin. Select. p. 123.

Vernacular name: »Courali" (Splitg., Focke).

French Guyana.

STENOLOBIUM D. Don.

Stenolobium stans (Linn.) Seem. in Ann Nat. Hist. X. p. 30.

Bignonia stans Linn. Spec. plant. ed. II. p. 871.

Tecoma stans Fuss. Gen. plant. 139.

Paramaribo: FOCKE 792 (fl. May).

Coronie: TULLEKEN 561 H. L. B. 903, 322—968 (fl. Oct.).

Tropical America, cultivated in all tropical countries.

SPATHODEA P. Beauv.

Spathodea campanulata P. Beauv. Fl. Owar. I. p. 47 t. 27.

Paramaribo: WENT 500 (fl. Octob.); cultivated.

Western Africa.

CRESCENTIA Linn.

Crescentia Cujete Linn. Spec. plant. ed. I. 626.

Marowyne River, near Poeloemoffo: VERSTEEG 443 (fl. Dec.).

Surinam: FOCKE 767; SPLITGERBER H. L. B. 898, 199—12 (fl. Apr.)

Cultivated.

Vernacular name: »Kalebas".

Tropical America.

SCHLEGELIA Miq.

Schlegelia lilacina Miq. Botan. Zeit. II. 786; Stirp. Surin. Select. p. 116.

Gonini River: VERSTEEG 250 (fl. Sept.)

Cottica River: FOCKE 691 (fl. Oct.),

Paramaribo: KEGEL 678b, near plant. Kwatta: KEGEL 678a named

Schlegelia elongata Miq. Linnaea XXII. p. 73.

Para district: VERSTEEG 524 (fl. June).

Lower Coppename River: WENT 108 and 149 (fl. Aug.).

Surinam: HOSTMANN 698, HOSTMANN H. L. B. 903, 322—297.

PEDALIACEAE.

SESAMUM Linn.

Sesamum indicum Linn. Spec. plant. 884.

Surinam: HOSTMANN and KAPPLER 629*p.*; named *Capraria integerrima*

Miq. Linnaea XXII p. 476.

All tropical countries.

ACANTHACEAE.

STAUROGYNE Wall.

Staurogyne repens (Nees) O. Ktze Revisio gen. plant.

Ebermaiera repens Nees Flora Bras. IX. p. 20.

Surinam: FOCKE 1146.

Tropical Brazil.

Staurogyne Miqueliana O. Ktze Revisio gen. plant.

Ebermaiera humilis Miq. (*non* Nees) Stirp. Surin. Select. p. 128.

Upper Surinam River, near Bergendal: FOCKE 1159 (fl. Oct.)

MENDONCIA Vell.

Mendoncia velloziana Mart. Nov. Gen. et Spec. III. p. 22 t. 210.

Paramaribo: SPLITGERBER 229 H. L. B. 897, 279—100 (fl. Dec.).

Para district, near Osembo: FOCKE 581 (fl. Apr.); FOCKE 33 H. L. B. 897, 279—119 (fl. Apr.).

Surinam: KAPPLER ed. Hohenacker 1504.

Tropical Brazil, Peru.

Mendoncia aspera Ruiz et Pav. Flora Peruv. p. 158.

Paramaribo, near Poelepantje: KEGEL 55 (fl. July).

Surinam: HOSTMANN 44; HOSTMANN H. L. B. 903, 322—202.

Tropical Brazil, Peru.

Mendoncia Sellowiana Nees Flora Bras. IX. p. 10.

Paramaribo, near plant. Merveille: SPLITGERBER 546 H. L. B. 897, 279—105 (fl. Jan.); FOCKE 198 H. L. B. 897, 279—106 (fl. Apr.), named *Mendoncia intermedia* Splitg. Mss. and *Mendoncia Splitgerberiana de Vriese* Ned. Kruidk. Arch. I. p. 353.

Para district, near plant. la Rencontre: FOCKE 794 (fl. Apr.).

Tropical Brazil.

THUNBERGIA Linn. f.

Thunbergia fragrans Roxb. Fl. Ind. III. p. 33.

Paramaribo: TULLEKEN 30 H. L. B. 903, 322—1288 and 1296. (fl. July);

WENT 9 (fl. July); WENT 362 (fl. Sept.).

Cultivated.

East-Indies.

Thunbergia alata Bojer in Hook. Exot. Fl. t. 17.

Paramaribo: TULLEKEN 8 H. L. B. 903, 322—1327 (fl. July); WENT 6 (fl. July); WENT 262 (fl. Aug.).

Surinam: HOSTMANN 479a, FOCKE 256.

Tropical Africa.

HYGROPHILA R. Br.

Hygrophila guyanensis Nees in Lond. Journ. of Bot. IV. p. 634.

Gonini River: VERSTEEG 208 (fl. Sept.).

Tapanahoni River: VERSTEEG 843 (fl. Sept.).

Cottica River, near Post-Oranjewoud: FOCKE 698 named by Miquel: *Dipteracanthus menthoides* Nees.

Upper Nickerie River, near Blanche Mariefalls: TULLEKEN 360 H. L. B. 903, 322—1120 (fl. Sept.).

British Guyana.

RUELLIA Linn.

Ruellia tuberosa Linn. Spec. plant. ed. Willd. III. 368.

Lower Commewyne River, near plant. Zorgvliet: WENT 413 (fl. Oct.).

Paramaribo: WENT 318 and 343 (fl. Oct.).

New-Nickerie: TULLEKEN 279 H. L. B. 903, 322—1071 (fl. Aug.).

Surinam: HOSTMANN H. L. B. 903, 322—289.

Tropical America.

Ruellia longifolia L. C. Rich. in Act. Soc. Hist. Nat. Par. 1792 p. 110.

Coppename River: BOON 1026 (fl. Aug.).

French Guyana.

Ruellia rubra Aubl. Plant. Guyan. II. p. 666 t. 270.

Marowynne River: KAPPLER (coll. 1861) H. L. B. 903, 322—424.

Lawa River: VERSTEEG 281 (fl. Oct.).

Tapanahoni River: VERSTEEG 761 (fl. Aug.).

Near Santigron: WENT 205 (fl. Aug.).

Lower Coppename River: WENT 132 (fl. Aug.).

Upper Coppename River: BOON 1190 (fl. Sept.).

Surinam: HOSTMANN 22.

Guyana.

ERANTHEMUM Linn.

Eranthemum nervosum (Vahl) R. Br. Prodr. Fl. Nov. Holl. I. 476.

Justicia nervosa Vahl. Eclog. p. 164.

Paramaribo: FOCKE 147.

Cultivated.

Tropical Asia.

LEPIDAGATHIS Willd.

Lepidagathis alopecuroidea (Vahl) R. Br. ex Griseb. Flora Br. West. Ind. Isl. 453.

Ruellia alopecuroidea Vahl. Eclog. II. p. 49.

Gonini River: VERSTEEG 214 (fl. Sept.).

Lower Surinam River, near plant. Jagtlust: FOCKE 826 (fl. Aug.).

Paramaribo: KEGEL 373 (fl. July).

Near Santigron: WENT 195 (fl. Aug.).

Lower Saramacca River, near plant. Frederici's gift: WENT 248 (fl. Aug.).

Surinam River: HOSTMANN 874; HOSTMANN H. L. B. 903, 322—162;

Dr. VOLTZ without number.

Tropical South-America.

Lepidagathis catharactae (Nees) Lindau mss. in Herb. Berol.

Marowyne River: KAPPLER (coll. 1861) H. L. B. 903, 322—522; near

Arminafalls: WENT 459 (fl. Oct.).

Tapanahoni River: VERSTEEG 757 (fl. Aug.).

Coppename River: BOON 1034, 1095 and 1114 (fl. Aug.-Sept.).

Upper Nickerie River, near Blanche-Marie falls: TULLEKEN 336 H. L. B.

903, 322—1066 (fl. Sept.); TULLEKEN 338 H. L. B. 903, 322—1068

(fl. Sept.) and TULLEKEN 358 H. L. B. 903, 322—1113 (fl. Sept.).

Amazon district.

APHELANDRA R. Br.

Aphelandra pulcherrima H. B. K. Nov. Gen. et Spec. II. 236.

Upper Nickerie River, near Blanche Marie falls: TULLEKEN 326 H. L. B.

903, 322—1058 and TULLEKEN 354 H. L. B. 903, 322—1042 (fl. Sept.).

Columbia, Venezuela, British Guyana.

Aphelandra sciophila Mart. ex Nees, Flora Bras. IX. p. 91.

Marowyne River, near Arminafalls: VERSTEEG 574 (fl. July).

Near Santigron: WENT 192 (fl. Aug.)

Surinam River, near Cassepoerakreek: TULLEKEN 157 H. L. B. 903,

322—1396 (fl. Aug.)

Northern Brazil.

Aphelandra pectinata Nees in Prodr. XI. p. 297.

Paramaribo, near Beekhuizen: KEGEL 56 (fl. July)

Para district near Onoribo: SPLITGERBER 631 H. L. B. 897, 274—224

(fl. March); near plant. la Rencontre: FOCKE 772 (fl. Apr.).

Lower Saramacca River, near Groningen: WENT 229 (fl. Aug.).

Surinam: HOSTMANN 539; HOSTMANN H. L. B. 903, 322—231.

Tropical America.

PACHYSTACHYS Nees.

Pachystachys coccinea (Aubl.) Nees Prodr. XI. p. 319

Justicia coccinea Aubl. Plant. Guyan. I. p. 10 t. 3.

Paramaribo: FOCKE 136.

French Guyana.

Pachystachys latior Nees Prodr. XI. p. 320.

Paramaribo: KEGEL 963 (fl. Aug.).

British Guyana.

DREJERA Nees.

Drejera boliviensis Nees Prodr. XI. p. 334.

Surinam: HOSTMANN 1124.

Bolivia, Venezuela.

RHACODISCUS Lindau.

Rhacodiscus acuminatissima (Miq.) Lindau Natürl. Pflanzenfam. Nachtr.
I. p. 308.

Rhytiglossa acuminatissima Miq. Stirp. Surin. Select. p. 129.

Gonini River: VERSTEEG 252 (fl. Sept.).

Tapanahoni River: VERSTEEG 764 (fl. Aug.).

Surinam River, near Joden-Savanne: KEGEL 871 (fl. May); near Station

Victoria: KAPPLER 819a (fl. Oct.); near Blauwe Berg: FOCKE 996
(fl. Sept.).

Lower Coppename River: WENT 105 (fl. Aug.).

Upper Coppename River: BOON 1027 (fl. Aug.).

Surinam: HOSTMANN 819, 1112, 1716.

Guyana.

JUSTICIA Linn.

Justicia secunda Vahl Symb. II. p. 7.

Upper Saramacca River: PULLE 214 (fl. March.)

Coppename River, near Raleigh-falls: BOON 1016 (fl. Aug.).

Tropical South-America.

Justicia cayennensis (Nees) Lindau Natürl. Pflanzenfam. IV. 3b. p. 350.

Paramaribo: FOCKE 401.

Sara-kreek: WENT 507 (fl. Octob.)

Lower Saramacca River, near Maripaston: KEGEL 1547 (fl. May),

Surinam: HOSTMANN 1122.

French Guyana.

Justicia carthagenensis Linn. Spec. plant. 1663,

Paramaribo: FOCKE 1421.

Cultivated.

Justicia pectoralis Jacq. Americ. p. 3 t. 3.

Gonini River: VERSTEEG 75 (fl. Aug.).

Tapanahoni River, near Mount Teeboe: VERSTEEG 788 (fl. Aug.).

Paramaribo, near plant. Kwatta: KEGEL 444 (fl. Aug.).

Para district near Osembo: FOCKE 596 (fl. Apr.); near plant. Breukelen:

FOCKE 510 (fl. Aug.).

Surinam: KAPPLER 639; HOSTMANN H. L. B. 903, 322—190.

Tropical South-America.

Justicia Anagallis (Nees) Lindau Natürl. Pflanzenfam. IV. 3b. p. 351.*Rhytiglossa Anagallis* Nees. Flora Bras. IX. p. 119.

Para district: VERSTEEG 495 (fl. June).

Coronie: TULLEKEN 548 H. L. B. 903, 322—955 (fl. Oct.).

Surinam: FOCKE 596; HOSTMANN H. L. B. 903, 322—266.

Tropical Brazil.

Justicia obtusifolia (Nees) Lindau Natürl. Pflanzenfam. IV. 3b. p. 350.

Paramaribo: KEGEL 451 (fl. Aug.).

Surinam: HOSTMANN 727.

Tropical America.

Justicia Pöppigiana (Nees) Lindau Natürl. Pflanzenfam. IV. 3b. p. 350.

Upper Nickerie River: TULLEKEN 328 H. L. B. 903, 322—1060 (fl. Sept.)

Coppename River: BOON 1010 (fl. Aug.).

Northern Brazil.

Justicia parviflora (Nees) Lindau Natürl. Pflanzenfam. IV. 3b. p. 350.

Sarakreek: WENT 506 (fl. Octob.).

Tropical Brazil.

BELOPERONE Nees.**Beloperone surinamensis** Miq. Stirp. Surin. Select. p. 130.

Surinam: HOSTMANN 796r.

PLANTAGINACEAE.

PLANTAGO Linn.

Plantago major Linn. Spec. plant.

Surinam: HOSTMANN H. L. B. 903, 322--295.

Cosmopolitan.

RUBIACEAE.

OLDENLANDIA Plum.

Oldenlandia corymbosa Linn. Spec. plant. Ed. 1. p. 119.

Tapanahoni River: VERSTEEG 698 (fl. July).

Cottica district, near plant. Badenstein: SPLITGERBER 797 H. L. B. 905, 317—39 (fl. Apr.)

Paramaribo: FOCKE 620 (fl. July); FOCKE 59 H. L. B. 905, 317—41 (fl. July).

Surinam: HOSTMANN 6296; HOSTMANN H. L. B. 903, 322—49.

Brazil, Guyana, East-Indies.

Oldenlandia herbacea D. C. Prodr. IV. p. 425.

Litanie River: VERSTEEG 396 (fl. Dec.).

Upper Nickerie River: TULLEKEN 398 H. L. B. 903, 322—1117 (fl. Sept.).

Surinam: HOSTMANN 768a, 379; WULLSCHLAGEL 258; HOSTMANN H. L. B. 903, 322—61.

All tropical countries.

SIPANEA Aubl.

Sipanea pratensis Aubl. Plant. Guyan. I. 147 t. 56.

Marowyne River: KAPPLER (coll. 1861) H. L. B. 903, 322—472; VERSTEEG 614 (fl. July).

Paramaribo: TULLEKEN 81 H. L. B. 903, 322—1360 (fl. July.)

Para district: SPLITGERBER 601 H. L. B. 905, 298—136 (fl. Febr.); near Onoribo: FOCKE 60 (fl. March), named *Sipanea trichantha* Miq. Linnaea XVIII. p. 293; FOCKE 153; near Osembo: FOCKE 55 H. L. B. 905, 298—138; near Berlyn: WENT 386 (fl. Sept.); near Post-Republiek: TULLEKEN 196 and 199 H. L. B. 903, 322—1128 (fl. Aug.)

Surinam River, near Cassepoerakreek: TULLEKEN 152 H. L. B. 903, 322—1167 and 1392; near Joden Savanne: TULLEKEN 160 H. L. B. 903, 322—1399 (fl. Aug.).

Coppename River: BOON 1077 (fl. Aug.); BOON 1147 (fl. Sept.)

Nickerie River: TULLEKEN 372 H. L. B. 903, 322—1107 (fl. Sept.).

Surinam: HOSTMANN 507, 663a; HOSTMANN and KAPPLER 307; WULL-

SCHLAGEL 257; KAPPLER 2084; HOSTMANN H. L. B. 903, 322 92.
Tropical South-America.

Sipanea biflora Linn. f. Suppl. 134.

Marowyne River: KAPPLER ed. Hohenacker 1890 (fl. Aug.).

Tapanahoni River: VERSTEEG 863 (fl. Sept.).

Paramaribo: SPLITGERBER 937 H. L. B. 905, 298-133 (fl. Aug.).

Surinam: HOSTMANN 1121.

Tropical Brazil, Venezuela.

MANETTIA Mut.

Manettia coccinea (Aubl.) Griseb. Flora Brit. West-Indian Isl. 329.

Nacibea coccinea Aubl. Plant. Guyan. 96 t. 37.

Tapanahoni River: VERSTEEG 880 (fl. Sept.).

Upper Saramacca River: PULLE 225 (fl. March.)

French Guyana, Peru, Venezuela, Central-America, West-Indies.

HILLIA Jacq.

Hillia illustris (Vell.) K. Schum. Flora Bras. VI. 6 p. 202.

Saldanha illustris Vell. Flora Flum. III. t. 157.

Para district, near Onoribo: WULLSCHLÄGEL 1009.

Tropical Brazil.

OUROUPARIA Aubl.

Ourouparia guyanensis Aubl. Plant. Guyan. I. 177. t. 168.

Para district, near Post Republik: TULLEKEN 194 H. L. B. 903, 322
1429 (fl. Aug.).

Saramacca River: FOCKE 307 (fl. March).

Upper Coppename River: BOON 1041 (fl. Aug.).

Surinam: HOSTMANN and KAPPLER ed. Hohenacker 610.

Tropical Brazil, Paraguay, French Guyana.

Ourouparia tomentosa (Willd.) K. Schum. Flora Bras. VI. 6 p. 132.

Nauclea tomentosa Willd. in Röm. et Schult. Syst. V. p. 221.

Surinam River: KAPPLER ed. Hohenacker 1684 named *Uncaria suri-*
namensis Miq. Linnaea XIX. p. 129.

Lower Saramacca River, near plant. Hamburg: SPLITGERBER 846 H. L. B.
905, 298-139 (fl. Apr.).

Columbia.

ISERTIA Schreb.

Isertia coccinea (Aubl.) Vahl Eclog. II. p. 27.

Gnettarda coccinea Aubl. Plant. Guyan. p. 317 t. 123.

Tapanahoni River: VERSTEEG 617 (fl. July).

Surinam River, near Blauwe Berg: SPLITGERBER 949 H. L. B. 905, 317—32 (fl. May); FOCKE 939 (fl. Sept.); named *Isertia flava* Miq. Linnaea XVIII p. 613; near Station Victoria: WULLSCHLÄGEL 249 ex K. Schum. l c. 286.

Surinam: HOSTMANN and KAPPLER 153; NOLTE in herb. Götting. (fl. Dec). Tropical Brazil, Guyana, Peru.

Isertia spiciformis D. C. Prodr. IV. p. 437.

Para district, near plant. Berlyn: SPLITGERBER 741 H. L. B. 905, 317—37 (fl. March).

Surinam River, near Blauwe Berg: SPLITGERBER 935 H. L. B. 905. 317—35 (fl. May); near Station Victoria: KAPPLER ed. Hohenacker 1873 (fl. Apr.); named *Isertia commutata* Miq. Stirp. Surin. Select. 172 t. 48 f. A.

Surinam: FOCKE without number; HOSTMANN 161.

French Guyana.

Isertia parviflora Vahl Eclog. II. 27.

Marowynne River: KAPPLER ed. Hohenacker 1987 (fl. Aug.).

Para district, near Onoribo: SPLITGERBER 650 H. L. B. 905, 317—34 (fl. March); FOCKE 155 and 888 named *Bruinsmannia isertioides* Miq.

Linnaea XVII p. 73 and Stirp. Surin. Select. p. 173 t. 49; KAPPLER 1516.

Surinam River, near Joden Savanne: WULLSCHLÄGEL 241 ex Schum. l c. 288.

Upper Saramacca River: PULLE 422 (fl. Jan.).

Upper Coppename River: BOON 1148 (fl. Sept.).

Surinam: HOSTMANN; Dr. VOLTZ; KEGEL without number.

British Guyana, West-Indies.

GONZALAGUNIA Ruiz et Pav.

Gonzalagunia hirsuta (Jacq.) K. Schum. Flora Bras. VI. 6 p. 291.

Justicia hirsuta Jacq. Stirp. Amer. 4.

var. β **dicocca** K. Schum. l c. 292.

Surinam River, near Station Victoria: WULLSCHLÄGEL 252.

Surinam: HOSTMANN 193.

Brazil, Guyana, Venezuela, West-Indies.

COCCOCYPSELUM P. Br.

Coccocypselum guyanense (Aubl.) K. Schum. Flora Bras. VI. 6 p. 315.

Tontanea guyanensis Aubl. Plant. Guyan. 108 t. 42.

Lawa River: VERSTEEG 302 (fl. Oct.).

Paramaribo, near plant. Kwatta: KEGEL 154 (fl. Jan.).

Para district near Osembo: FOCKE 599 (fl. Apr.); FOCKE 146; near plant. Berlyn; WULLSCHLÄGEL 235.

- Surinam River, near Joden Savanne: SPLITGERBER 865 H. L. B. 905, 317-15 (fl. Apr.).
 Surinam: HOSTMANN 740; HOSTMANN and KAPPLER 1063.
 Tropical Brazil, Guyana, Mexico, Central-America.

SABICEA Aubl.

- Sabicea aspera** Aubl. Plant. Guyan. 194 t. 76.
 Tapanahoni River: VERSTEEG 690 (fl. July).
 Para district: SPLITGERBER 687 H. L. B. 905, 298-131 (fl. March) named *Sabicea excorticata* Splitg. Mss.; near Osembo: FOCKE 589 (fl. Apr.); near Onoribo: FOCKE 589 (fl. March).
 Lower Saramacca River, near Santigrón: WENT 198 (fl. Aug.); near Jacob-Kondre: PULLE 127 (fl. Dec.).
 Surinam: KEGEL; HOSTMANN 40; WULLSCHLÄGEL 253 ex Schum. l. c. 308.
 Tropical America.

RETINIPHYLLUM H. B. K.

- Retiniphyllum Schomburgkii** (Bth.) Müll. arg. Flora Bras. VI. 5 p. 12.
Commianthus Schomburgkii Bth. in Hook. Journ. of Bot. III. p. 223.
 Surinam River, near Joden Savanne: SPLITGERBER 860 H. L. B. 905, 317-16 (fl. Apr.).
 Para district, near Berlyn: WULLSCHLÄGEL 807 ex Müll. arg. l. c. 14; Dr. VOLTZ without number.
 Surinam: KEGEL 1149; HOSTMANN and KAPPLER ed. Hohenacker 1118.
 Northern Brazil, British Guyana.

RANDIA Houst.

- Randia formosa** (Jacq.) K. Schum. Flora Bras. VI. 6 p. 342.
Mussaenda formosa Jacq. Stirp. Americ. 70 t. 48.
 Marowynne River, near Galibi: WENT 419 (fl. Oct.).
 Paramaribo: WULLSCHLÄGEL 250.
 Lower Saramacca River, near Maripaston: KEGEL 1363 (fl. May).
 Upper Coppename River: BOON 1071 (fl. Aug.).
 Nickerie; TULLEKEN 297 H. L. B. 903, 322-1220 and 1600 (fr. Aug.).
 Surinam: HOSTMANN 579; HOSTMANN H. L. B. 903, 322-20; FOCKE.
 Vernacular name: "Marmeldoosje".
 Peru, Venezuela, Brazil, Guyana. West-Indies.

GARDENIA Ellis

- Gardenia florida** Linn. Spec. plant. ed. II. p. 305.
 Surinam: MENZE ex Schum. l. c. 334.
 China and Japan.

POSOQUERIA Aubl.

Posoqueria longiflora Aubl. Plant. Guyan. I. 134. t. 151.

Gonini River: River: VERSTEEG 67 (fl. Aug.).

Tapanahoni River: VERSTEEG 899 (fl. Sept.).

Surinam River: SPLITGERBER 852 H. L. B. 905, 298—119 (fl. May); near Bergendal: FOCKE 416; WULLSCHLÄGEL ex Schum. l. c. 338.

Upper Saramacca River: PULLE 420 (fl. Jan.).

Lower Coppename River: WENT 135 (fl. Aug.).

Upper Coppename River: BOON 1132 (fl. Sept.).

Amazon district, Peru, Guyana.

Posoqueria latifolia Röm. et Schult. Syst. V. 227.

Marowynce River: KAPPLER 1723; WULLSCHLÄGEL 256.

Lower Surinam River, near plant. Jagtlust: SPLITGERBER 410 H. L. B. 905, 317—53 (fl. Dec.).

Paramaribo: WULLSCHLÄGEL 255; SPLITGERBER 773 H. L. B. 905, 291—118 (fl. March).

Surinam River, near Joden-Savanne: KAPPLER ed. Hohenacker 1723 (fl. Oct.); named: *Posoqueria intermedia* Miq. Linnaea XIX. p. 135.

Upper Nickerie River: TULLEKEN 399 H. L. B. 903, 322—1227.

Surinam: NOLTE in herb. Götting; HOSTMANN H. L. B. 903, 322—142.

Tropical Brazil, Guyana.

TOCOYENA Aubl.

Tocoyena guyanensis K. Schum. Flora Bras. VI. 6 p. 346.

Gonini River: VERSTEEG 247 (fl. Sept.).

Tapanahoni River: VERSTEEG 900 (fl. Sept.).

French Guyana.

GENIPA Linn.

Genipa americana Linn. Spcc. plant. ed. II. p. 251.

Marowynce River: KAPPLER ed. Hohenacker 635a.

Gonini River: VERSTEEG 119 and 176 (fl. Aug.)

Tapanahoni River: VERSTEEG 754 (fl. Aug.)

Matappica River: FOCKE 442 (fl. Oct.).

Surinam River, near plant. Merveille: SPLITGERBER 556 H. L. B. 905, 317—22 (fl. Jan.).

Para district, near la Prospérité: FOCKE 10 H. L. B. 905, 319—21.

Coppename River: BOON 1046 (fl. Aug.).

Upper Nickerie River: TULLEKEN 321 H. L. B. 903, 322—1599 and 1693.

Surinam: Dr. VOLTZ; HOSTMANN 635.

Vernacular name: "Tapoeripa" or "Taproepa".

All tropical South-America.

AMAJOUA Aubl.

Amajoua guyanensis Aubl. Plant. Guyan. Suppl. 13 t. 375.

Surinam: KEGEL without number.

Tropical Brazil, Guyana.

DUROIA Linn f.

Duroia eriopila Linn. f. Suppl. p. 30 et 209.

Gonini River: VERSTEEG 243 (fl. Sept.).

Para district, near plant. l'Inquiétude: FOCKE 1016 named *Amajoua affinis* Miq. Linnaea XVIII p. 613; near plant. la Prospérité: FOCKE 384 named *Amajoua grandifolia* Miq. Linnaea XVIII p. 291; near plant. Berlyn: WULLSCHLÄGEL 1489 ex Schum. l. c. 367.

Surinam River, near Bergendal: FOCKE 380 (fl. Sept.).

Upper Nickerie River: TULLEKEN 351 H. L. B. 903, 322—1230 (fl. Sept.).

Surinam: HOSTMANN 1187 named *Amajoua surinamensis* Steud. Flora 1843 p. 763; HOSTMANN H. L. B. 903, 322—302; SPLITGERBER 514 H. L. B. 905, 317—25, named *Genipa Merianae* Rich.; near Visscherholle (?): KEGEL 1035 (fl. Nov.).

Vernacular name: »Marmeldoos" or »Boschmarmeldoos".

Guyana.

ALIBERTIA A. Rich.

Alibertia edulis A. Rich. in Mém. Soc. hist. nat. par. V. 234 t. 21 f. 1.

Marowynne River: KAPPLER (coll. 1861) H. L. B. 903, 322—391.

Surinam River, near Bergendal: FOCKE 1279 (fl. May).

Northern Brazil, Guyana, Columbia, West-Indies.

BERTIERA Aubl.

Bertiera guyanensis Aubl. Plant. Guyan. I. 180 t. 69.

Para district: KAPPLER ed. Hohenacker 1487.

Surinam River, near Blauwe Berg: SPLITGERBER 934 H. L. B. 905, 317—2 (fl. May).

Lower Saramacca River, near Maripaston: PULLE 16 (fl. Nov.).

Surinam: HOSTMANN 1202.

Tropical Brazil, Guyana, Columbia, West-Indies.

GUETTARDA Bl.

Guettarда grandiflora Steud. Flora 1843 p. 763.

Surinam: HOSTMANN and KAPPLER ed. Hohenacker 1088.

Northern Brazil.

ANISOMERIS Prsl.

Anisomeris tenuiflora (Bth.) Pulle.

- Chomelia tenuiflora* Bth. in Hook. Journ. of Bot. III. p. 235.
 Surinam: FOCKE without number.
 British Guyana.

MALANEA Aubl.

- Malanea sarmentosa** Aubl. Plant. Guyan. 106 t. 41.
 Surinam: HOSTMANN.
 French Guyana,
Malanea glabrescens Bartl. in Schomburgk Reise III. 947.
 Paramaribo: SPLITGERBER 208 H. L. B. 905, 317—38 (fl. Nov.) named
Malanea Candollei Splitg. Mss.
 Surinam: HOSTMANN without number named *Coffea rigida* Miq. Mss.
 British Guyana.

COFFEA Linn.

- Coffea arabica** Linn. Spec. plant. ed. I. p. 172.
 Upper Saramacca River, near Toekoemoetoe: PULLE 465 (fl. Febr.)
 Introduced.
 Tropical Africa.

IXORA Linn.

- Ixora coccinea** Linn. Spec. plant. 159.
 Paramaribo: TULLEKEN 48 H. L. B. 903, 322—1302 (fl. July.)
 Cultivated; vernacular name: »Faja lebbie”.
 East-India.

PSYCHOTRIA Linn.

- Psychotria racemosa** (Aubl.) Willd. Spec. I. 966.
Nonatelia racemosa Aubl. Plant. Guyan I. 187. t. 72.
 Coppename River: WENT 103 (fl. Aug.).
 Surinam: KAPPLER 1626; HOSTMANN H. L. B. 903, 322—196.
 Tropical and sub-tropical Brazil, Guyana.
Psychotria inundata Bth. Hook. Journ. of Bot. III. 229.
 Surinam: HOSTMANN 1197.
 Northern Brazil, British Guyana.
Psychotria Fockeana Miq. Linnaea XVIII p. 296.
 Lower Surinam River, near Jagtlust: WENT 84 (fl. Aug.).
 Paramaribo: WENT 256; FOCKE 635 (fl. Sept.).
 Surinam: HOSTMANN 455, 518, 519 and 1091.
Psychotria mapouriioides D. C. Prodr. V. p. 509.
 Para district, near Osembo: FOCKE 583 (fl. Apr.).

Surinam: LANDRÉ 393 H. L. B. 905, 298—122; HOSTMANN.
French Guyana.

Psychotria cornigera Bth. in Hook. Lond. Journ. of Bot. III. 227.

Paramaribo: SPLITGERBER 1022 H. L. B. 905, 298—121 (fl. May).

Lower Saramacca River: PULLE 44 (fl. Nov.).

Trinidad, Guyana.

Psychotria flexuosa Willd. Spec. I. p. 966.

Marowyne River, near Albina: VERSTEEG 575 (fl. July).

Lower Saramacca River: KEGEL 1259 (fl. May); PULLE 17 (fl. Nov.).

Upper Saramacca River: PULLE 196 (fl. Jan.).

Tropical Brazil, Venezuela.

PALICOUREA Aubl.

Palicourea guyanensis Aubl. Plant. Guyan. I. 173 t. 66.

Para district: SPLITGERBER 630 H. L. B. 905, 317—45 (fl. March); near

Onoribo: FOCKE 887 (fl. March)

Surinam: HOSTMANN and KAPPLER 1009.

Guyana, Trinidad.

Palicourea xanthina D. C. Prodr. IV. p. 525.

Marowyne River: KAPPLER ed. Hohenacker 1986 (fl. Aug.)

Para district: SPLITGERBER 1021 H. L. B. 905, 317—48 (fl. May); FOCKE
1038 named *Faramea erythropoda* Miq. Linnaea XVIII p. 615.

Surinam River, near Bergendal: FOCKE 1028 (fl. Sept.).

Lower Saramacca River, near Maripaston: KEGEL 1344 (fl. May).

Surinam: HOSTMANN.

French Guyana.

Palicourea crocea D. C. Prodr. IV. p. 526.

Lawa River: VERSTEEG 305 (fl. Oct.).

Lower Commewyne River, near plant. Nyd en Spyt: TULLEKEN 143

H. L. B. 903, 322—1388 (fl. Aug.); near plant. Lustryk: SPLITGERBER
327 H. L. B. 905, 317—42 (fl. Dec.).

Paramaribo: SPLITGERBER 1008 H. L. B. 905, 317—43 (fl. Apr.).

Para district: KAPPLER ed. Hohenacker 1480 named *Palicourea aurantiaca* Miq. Stirp. Surin. Select. 181; FOCKE 141; near Osembo: FOCKE
593 (fl. Apr.); near Post-Republiek: TULLEKEN 196 H. L. B. 903,
322—1125 (fl. Aug.).

Upper Saramacca River: PULLE 145 (fl. Jan.) and 471 (fl. March).

Surinam: HOSTMANN and KAPPLER 761; HOSTMANN and KAPPLER 376
named by Steud: *Nonatelia lutea* Aubl.; HOSTMANN H. L. B. 903,
322—192; Dr. VOLTZ.

Tropical America.

Palicourea umbellata D. C. Prodr. IV. p. 526.

Para district, near Onoribo: FOCKE 874; near Osembo: FOCKE 603 (fl. Apr.).

Surinam: HOSTMANN 1091.

French Guyana.

Palicourea violacea (Aubl.) A. Rich. Mém. Soc. hist. Nat. Par. V. 175.

Nonatelia violacea Aubl. Plant. Guyan. l. t 73.

Gonini River: VERSTEEG 165 and 166 (fl. Aug.).

Lower Saramacca River, near Santigron: WENT 189 (fl. Aug.).

Surinam: HOSTMANN and KAPPLER ed Hohenacker 1041.

French Guyana.

RUDGEA Salisb.**Rudgea micrantha** Müll. arg. Flora 1876 p. 454.

Marowyne River: KAPPLER ed. Hohenacker 1983 (fl. Oct.); KAPPLER (coll. 1861) H. L. B. 903, 322—483.

Lawa River: KAPPLER 900 ex Müll. arg. Flora Bras. VI. 5 p. 201.

Gonini River: VERSTEEG 203 (fl. Sept.).

Tapanahoni River: VERSTEEG 712 (fl. July).

Lower Saramacca River, near Maripaston: KEGEL 1327 (fl. May).

Surinam: HOSTMANN, FOCKE.

Guyana, Northern Brazil.

Rudgea Hostmanniana Bth. Linnaea XXIII p. 459.

Surinam: HOSTMANN 548 ex Bth. l. c.

Tropical Brazil, West-Indies.

GEOPHILA Don.**Geophila herbacea** (Linn.) K. Schum. Nat. Pflanzenfam. IV 4 p. 119.

Psychotria herbacea Linn. Spec. plant. 245.

Marowyne River: KAPPLER ed. Hohenacker 1897 (fl. Aug.). named by

Miquel: *Geophila reniformis* Cham. et Schld.

Paramaribo: SPLITGERBER 478, H. L. B. 905, 317—27 (fl. Jan.).

Lower Saramacca River, near Groningen: WENT 243 (fl. Aug.).

All tropical countries.

Geophila cordata Miq. Linnaea XVIII. p. 72 and Stirp. Surin. Select. p. 175.

Lower Surinam River: FOCKE 471 (fl. Apr.).

Northern Brazil.

Geophila cordifolia Miq. Stirp. Surin. Select. 176.

Lower Surinam River: KAPPLER ed. Hohenacker 1896 (fl. Apr.).

Surinam: HOSTMANN H. L. B. 903, 322—208.

URAGOGA Linn.

Uragoga tomentosa (Aubl.) K. Schum. Natürl Pflanzenfam IV. 4 p. 120.

Tapogomea tomentosa Aubl. Plant. Guyan. I. 160 t. 61.

Surinam River, near Station Victoria: KAPPLER ed. Hohenacker 1371 (fl. Dec.).

Para district. FOCKE 30 H. L. B. 905, 317—12; near Kompas: WENT 399 (fl. Sept.).

Lower Saramacca River: PULLE 87 and 97 (fl. Nov.); near Santigron: WENT 188 (fl. Aug.).

Upper Saramacca River: PULLE 220 (fl. March).

Surinam: SPLITGERBER 194 H. L. B. 905, 317—10 (fl. Nov.-Dec.)

Amazon district, Guyana, Columbia.

Uragoga purpurea (Aubl. sub *Tapogomea*)

Tapogomea purpurea Aubl. Plant. Guyan. I. 162 t. 63 f. 3.

Surinam River, near Blauwe Berg: SPLITGERBER 93 H. L. B. 905, 317—8 (fl. May); near Bergendal: FOCKE 361 (fl. Sept.).

French Guyana.

Uragoga violacea (Aubl. sub *Tapogomea*).

Tapogomea violacea Aubl. Plant. Guyan. I. 157 t. 60.

Marowyne River: VERSTEEG 588 (fl. July).

Gonini River: VERSTEEG 50 (fl. Aug.).

Para district near Onoribo: SPLITGERBER 638 H. L. B. 905, 317—14 (fl. March.)

Surinam River, near Bergendal: FOCKE 283.

Lower Saramacca River: PULLE 26 (fl. Nov.).

Coppename River: BOON 1020 (fl. Aug.).

Surinam: KAPPLER ed. Hohenacker 90; NOLTE in herb. Götting.

Guyana.

Uragoga alba (Aubl. sub *Tapogomea*).

Tapogomea alba Aubl. Plant. Guyan. I. 164 t. 62 fig. 4.

Surinam: HOSTMANN

French Guyana.

Uragoga Kappleri (Miq. sub *Carapichea*).

Carapichea Kappleri Miq. Stirp. Surin. Select. p. 181.

Marowyne River: KAPPLER ed. Hohenacker 1871 (fl. Sept.).

Uragoga hirta (Miq. sub *Cephaelis*).

Cephaelis hirta Miq. Linnaea XVII 71.

Surinam River, near Bergendal: FOCKE 382 (fl. Sept.); near Station Victoria: KAPPLER ed. Hohenacker 1339 (fl. Sept.).

Uragoga guyanensis (Aubl. sub *Carapichea*).

Carapichea guyanensis Aubl. Plant. Guyan. 168 t. 64.

Upper Saramacca River: PULLE 212 (fl. March).
French Guyana.

Uragoga bracteocardia (DC. sub. *Cephaelis*).

Cephaelis bracteocardia DC. Prodr. IV. p. 534.

Para district; near Onoribo: SPLITGERBER 622 H. L. B. 905, 317—7
(fl. March); FOCKE 138 (fl. March).

Surinam: KAPPLER 98; HOSTMANN 595.

Tropical Brazil, French Guyana.

Uragoga Hoffmannseggiana (Röm. et Schult. sub *Cephaelis*).

Cephaelis Hoffmannseggiana Röm. et Schult. Syst. V. p. 214.

Paramaribo: KAPPLER ed. Hohenacker 1562 named *Psychotria microcephala* Miq. Linnaea XVIII p. 748.

Upper Saramacca River: PULLE 126 (fl. Dec.).

Surinam: HOSTMANN H. L. B. 903, 322—134.

Northern Brazil.

PAGAMEA Aubl.

Pagamea guyanensis Aubl. Plant. Guyan. I. 113 t.

Surinam River, near Joden Savanne: SPLITGERBER 866 and 867 H. L. B.
905, 278—1, 2 and 5 (fl. Apr.).

Guyana.

COUSSAREA Aubl

Coussarea albescens (DC.) Müll. arg. Flora Bras. VI. 5 p. 87.

Faramea albescens D C. Prodr. IV p. 498.

Marowynne River: KAPPLER (coll. 1861) H. L. B. 903, 322—475.

Para district: KAPPLER ed. Hohenacker 1532 (fl. Febr.-Apr.).

FARAMEA Aubl.

Faramea montevidensis DC. Prodr. IV. p. 497.

Pauluskreek: FOCKE 1401 (fl. Sept.); WENT 558 (fl. Nov.)

Surinam: HOSTMANN 501 and 515.

Tropical Brazil.

Faramea longifolia Bth. in Hook. Journ. of Bot. III. p. 234.

Upper Saramacca River: PULLE 419 and 440 (fl. Jan.).

British Guyana.

PERAMA Aubl.

Perama hirsuta Aubl. Plant. Guyan. I. 54 t. 18.

Para district, near Onoribo: SPLITGERBER 660 H. L. B. 905, 317—50
(fl. March); near plant. Berlyn: FOCKE 976 (fl. Sept.) named *Perama*

setulosa Miq. Linnaea XVIII. p. 617; WULLSCHLÄGEL 818.

Surinam River, near Joden Savanne: FOCKE 1315 (fl. May).

Surinam: HOSTMANN 805 and 1073.

Tropical Brazil, Guyana, Venezuela, Trinidad.

DIODIA Gronov.

Diodia rigida Cham. et Schld. Linnaea III. p. 341.

Gonini River: VERSTEEG 95 (fl. Aug.).

Surinam: FOCKE 323 named *Diodia rudis* Miq. Linnaea XVIII p. 300.

Tropical South-America.

Diodia spicata Miq. Stirp. Surin. Select. 179 t. 52.

Surinam River, near Bergendal: FOCKE 1140 (fl. Oct.).

French Guyana.

Diodia hyssopifolia Cham. et Schld. Linnaea III p. 350.

Marowyné River: KAPPLER (coll. 1861) H. L. B. 903, 322—468.

Lawa River: VERSTEEG 117 (fl. Aug.).

Surinam River: KAPPLER ed. Hohenacker 1808 (fl. Apr.), named: *Diodia surinamensis* Miq. Stirp. Surin. Select. p. 180.

Lower Saramacca River: PULLE 70 (fl. Nov.).

Upper Saramacca River: PULLE 195 (fl. Jan.).

Upper Coppename River: BOON 1247 (fl. Oct.).

Northern Brazil, British Guyana.

Diodia sarmentosa Sw. Prodr. Fl. Ind. Occ. 30.

var. β **bisepala K. Schum.** Flora Bras. VI. 6 p. 27.

Paramaribo: WULLSCHLÄGEL 271.

Guyana, West-Indies.

HEMIDIODIA K. Schum.

Hemidiodia ocimifolia (Willd.) K. Schum. Flora Bras VI. 6 p. 29.

Lower Surinam River, near plant. Jagtlust: WENT 73 (fl. Aug.); FOCKE 464 named by Miquel Linnaea XVIII p. 299: *Spermacoce longifolia Aubl.*

Paramaribo: WENT 293 (fl. Aug.)

Lower Saramacca River, near Santigron: WENT 207 (fl. Aug.).

Surinam: HOSTMANN 1021 named *Borreria trichantha* Miq. Stirp. Surin. Select. p. 178; HOSTMANN 487; HOSTMANN and KAPPLER 957.

Tropical America, East-India.

BORRERIA G. F. W. Meyer.

Borreria laevis (Lam.) Griseb. Flora Br. West. Ind. Isl. 349.

Spermacoce laevis Lam. Ill. Gen. I. 273.

Para district near Onoribo: FOCKE 1034 named *Tessiera pubescens* Miq.

Stirp. Surin. Select. p. 179; near plant. Berlyn: WULLSCHLÄGEL 260.

Surinam: HOSTMANN and KAPPLER 69.
Tropical South-America.

Borreria ocymoides DC. Prodr. IV. p. 544.

Lawa River: VERSTEEG 270 (fl. Octob.)

Paramaribo: TULLEKEN 57 H. L. B. 903, 322—1336; WENT 16 (fl. Aug.)

Surinam River: FOCKE 1301, named *Borreria prostrata* Miq. Stirp.

Surin. Select. 177.

All tropical countries.

Borreria verticillata G. F. W. Meyer Prim. Fl. Esseq. 83 t. 1. f. 1 and 2.

Para district, near plant. Berlyn: FOCKE 1035; SPLITGERBER 114 H. L. B. 905, 317—6.

Surinam River, near Joden Savanne: FOCKE 349 (fl. Sept.) named by Miquel, Linnaea XVIII p. 298: *Borreria suavolens* G. F. W. Mey.

Tropical America and Africa.

Borreria latifolia (Aubl.) K. Schum. Flora Bras. VI. 6 p. 61.

Spermacoce latifolia Aubl. Plant. Guyan. l. 55. t. 19.

Marowynne River, near Albina: TULLEKEN 595 H. L. B. 903, 322—1209 (fl. Nov.); WENT 433 (fl. Oct.); VERSTEEG 14 (fl. July).

Lower Surinam River, near Jagtlust: SPLITGERBER 383 H. L. B. 905, 317—4 (fl. Dec.).

Paramaribo; near Wanicapad: FOCKE 70 H. L. B. 905, 317—5 (fl. Sept.); FOCKE 468 named *Borreria tetraptera* Miq. Linnaea XVII p. 70 and XVIII p. 298; WULLSCHLÄGEL 265, 267, 268, 272 ex Schum. l. c. 62.

Para district: KAPPLER ed. Hohenacker 1685 (fl. July).

Upper Surinam River: FOCKE 1297 named *Borreria penicillata* Miq. Stirp. Surin. Select. 177 t. 51.; WULLSCHLÄGEL 269.

Surinam: FOCKE 505 named *Borreria Fockeana* Miq. Linnaea XVIII p. 299; HOSTMANN 975.

Tropical Brazil, Guyana.

MITRACARPUS. Zucc.

Mitracarpus frigidus (Willd.) K. Schum. Flora Bras. VI. 6 p. 82.

Spermacoce frigida Willd. in Röm. et Schult. Syst. III. 531.

var. β *discolor* K. Schum. l. c.

Para district, near Onoribo: SPLITGERBER 637 H. L. B. 905, 317—3, named *Borreria hispida* Splitg. mss.; FOCKE 1008 (fl. Sept.); named *Mitracarpum discolor* Miq. Linnaea XVIII p. 616; near Kompas: WENT 383 (fl. Sept.); near Berlyn: WULLSCHLÄGEL 264.

Surinam River, near Joden Savanne: TULLEKEN 161 H. L. B. 903, 322—1400 (fr. Aug.).

Surinam: HOSTMANN 299.

Tropical and sub-tropical South-America.

CUCURBITACEAE.

MELOTHRIA Linn.

Melothria trilobata Cogn. Flora Bras. VI. 4 p. 26.

Paramaribo: WULLSCHLÄGEL 979 ex Cogn. l. c. 27.

Melothria fluminensis Gardn. in Hook. Journ. of Bot. I. p. 173.

Paramaribo: KEGEL 146 (fl. July); KAPPLER 1612.

Surinam: FOCKE 531; HOSTMANN and KAPPLER 112; HOSTMANN 74 and 112a; HOSTMANN H. L. B. 903, 322—24; SPLITGERBER 10 H. L. B. 901, 288—147 (fl. Nov.).

var. γ **microphylla** Cogn. l. c. 28.

Surinam: BERTHOUD COULON 524 and 525 ex Cogn. l. c.

Tropical South-America.

ANGURIA Plum.

Anguria triphylla Miq. Linnaea XIX p. 136.

Tapanahoni River: VERSTEEG 756 (fl. Aug.).

Commewyne River, near plant. Canawappibo: SPLITGERBER 310 H. L. B. 901, 287—13 (fl. Dec.); named *Anguria heterophylla* Splitg. Mss.

Lower Surinam River, near plant. Jagtlust: WENT 93 (fl. Aug.)

Paramaribo, near Beekhuizen: KEGEL 956 (fl. July) and 652 (fl. Sept.)

Surinam: KAPPLER 1728; HOSTMANN H. L. B. 903, 322—150.

Tropical South-America.

Anguria trilobata Jacq. Enum. pl. Carib. p. 31.

Commewyne River, near plant. Canawappibo: SPLITGERBER 314 H. L. B. 901, 287—12 (fl. Dec.).

Columbia, Venezuela, French Guyana.

Anguria umbrosa H. B. K. Nov. Gen. et Spec. II. p. 121.

Surinam: HOSTMANN 1098.

Northern South-America.

GURANIA Cogn.

Gurania Levyana Cogn. Diagn. Cucurb. I. p. 26.

var. *β. glabra* Cogn. l. c.

Upper Surinam River, near Blauwe Berg : SPLITGERBER 948 H. L. B.
901, 287—445 (fl. May), named : *Anguria macrophylla* Splitg. mss.
Surinam : HOSTMANN 1226 in hb. Kew.
Panama, Nicaragua.

Gurania Kegeliana (Schltd.) Cogn. Diagn. Cucurb. I. p. 16.

Anguria Kegeliana Schltd. Linnaea XXIV. p. 776.
Paramaribo, near Poelepantje : KEGEL 689 (fl. Febr.).
Columbia.

Gurania subumbellata (Miq.) Cogn. Diagn. Cucurb. I. p. 17.

Anguria subumbellata Miq. Stirp. Surin. Select. p. 163.
Surinam : KAPPLER 1727 ; HOSTMANN 173 ; BERTHOUD-COULON 519 in
Herb. Br. Mus.
Tropical Brazil, British Guyana.

Gurania spinulosa (Pöpp. et Endl.) Cogn. Diagn. Cucurb. I. p. 17.

Anguria spinulosa Pöpp. et Endl. Nov. Gen. et Spec. II. p. 51. t. 170.
Surinam : HOSTMANN 569.
Northern Brazil, Peru, Columbia, Venezuela, British Guyana.

Gurania Durandii Cogn. in Bull. Soc. Bot. Belg. XVII. p. 293.

Upper Saramacca River, near Granman-kondre : PULLE 448 (fl. Jan.).
Surinam : HOSTMANN 173 in Herb. Kew. ; WULLSCHLÄGEL 211 in
herb. Brux.
British Guyana.

Gurania multiflora (Miq.) Cogn. Diagn. Cucurb. I. p. 16.

Anguria multiflora Miq. Linnaea XVIII p. 366.
Paradistrict, near plant. la Rencontre : FOCKE 791 (fl. Apr.).
Paramaribo : KEGEL 707 (fl. Febr.).
Tropical Brazil.

Gurania guyanensis Cogn. Diagn. Cucurb. I. p. 18.

Anguria guyanensis Klotzsch (nomen nudum) in Schomburgks Reise III.
p. 988.
Commewyne River, near plant. Canawappibo : SPLITGERBER 315 H. L. B.
901, 287—444 (fl. Dec.).
Upper Saramacca River : PULLE 484 (fl. March).
Surinam : HOSTMANN 561 in hb. Kew.
British Guyana.

Gurania breviflora Cogn. Diagn. Cucurb. I. p. 40

Paramaribo : WULLSCHLÄGEL in hb. Brux. ex Cogn.

Gurania cissoides (Bth.) Cogn. Diagn. Cucurb. I. p. 18.

Anguria cissoides Bth. in Hook. Kew. Journ. of Bot. II. 242.

Sarakreek: WENT 515 (fl. Oct.).

Surinam: BERTHOUD-COULON 526 ex Cogn.

Northern Brazil, Guyana, Peru.

Gurania diversifolia Cogn. Diagn. Cucurb. I. p. 42.

Surinam: WULLSCHLÄGEL 1474 ex Cogn.

French Guyana.

HELMONTIA Cogn.

Helmontia leptantha (Schltd.) Cogn. Diagn. Cucurb. I. p. 20.

Anguria leptantha Schltd. Linnaea XXIV. p. 779.

Lower Surinam River, near plant Geyersvlyt: KEGEL 723 (fl. Febr.).

Lower Saramacca River, near Maripaston: KEGEL 1325 (fl. May).

Surinam: WULLSCHLÄGEL 1313 ex Cogn.

British Guyana.

Helmontia simplicifolia Cogn. Diagn. Cucurb. I. p. 44.

Surinam: BERTHOUD-COULON 526 ex Cogn.

Northern Brazil, British Guyana.

MOMORDICA Linn.

Momordica Charantia Linn. Spec. plant. Ed. I. p. 1009.

Paramaribo: WENT 309 (fl. Aug.).

Surinam: SPLITGERBER 1137 H. L. B. 901, 288—429 (fl. Febr.); FOCKE

615 (fl. May); HOSTMANN and KAPPLER 813; HOSTMANN 813a.

All tropical countries.

LUFFA Linn.

Luffa cylindrica (Linn.) Röm. Syn. fasc. II. p. 63.

Momordica cylindrica Linn. Spec. plant. 1009.

Paramaribo: WENT 356 (fl. Oct.).

Surinam: FOCKE; WULLSCHLÄGEL 1475.

Vernacular name: "Zeefkomkommer" (Focke).

Tropical Asia.

Luffa acutangula Roxb. Hort. Beng. p. 70.

Tapanahoni River: VERSTEEG 581 (fl. July).

Nickerie: TULLEKEN 281 H. L. B. 903, 332—1606.

Vernacular name: "Sikwa" (Versteeg).

Tropical Asia.

Luffa operculata (Linn.) Cogn. Flora Bras. VI. 4 p. 12.

Momordica operculata Linn. Spec. II. p. 1430.

Surinam: BERTHOUD COULON 522 ex Cogn.
Tropical America.

CITRULLUS Neck.

Citrullus vulgaris Schrad Linnaea XII. p. 412.

Lawa River, near Poeloemoffo: VERSTEEG 301 (fl. Oct.).

Vernacular name: »Water-meloen”.

South-Africa, cultivated in all tropical and sub-tropical countries.

CUCUMIS Linn.

Cucumis Anguria Linn. Spec. plant. I. p. 1011.

Surinam: WULLSCHLÄGEL 206 ex Cogn.

South and Central America

LAGENARIA Ser.

Lagenaria vulgaris Ser. Mém. Soc. Genève III. p. 25.

Lawa River, near Cottica: VERSTEEG 291 (fl. Oct.).

Surinam: KEGEL 880 (fl. May).

Vernacular name: »Flesch-kalebas

All tropical countries.

CUCURBITA Linn.

Cucurbita Pepo Linn. Spec. pl. ed. I. 1010.

Marowynne River: VERSTEEG 584 (fl. July).

Paramaribo: KEGEL 978 (fl. Aug.).

Surinam: HOSTMANN H. L. B. 903, 322—291.

Cultivated in all tropical and temperate countries.

Cucurbita moschata Duch. in Dict. Sc. nat. XI. p. 234.

Surinam: BERTHOUD-COULON 520 ex Cogn.

All tropical countries.

CAYAPONIA Mans.

Cayaponia calycina Cogn. Flora Bras. VI. 4 p. 78.

Lower Surinam River, near Geyersvlyt: KEGEL 803 (fl. Febr.).

Upper Saramacca River: PULLE 472 (fl. March).

Surinam: LESCHENAULT; WULLSCHLÄGEL 978 ex Cogn.

Amazon district.

Cayaponia augustiloba Cogn. Monogr. Phan. III. p. 771.

Para district: WULLSCHLÄGEL 208 ex Cogn. l. c.

British Guyana.

Cayaponia triangularis Cogn. Monogr. Phan. III. 774.

Surinam: WULLSCHLÄGEL 207 ex Cogn. l. c.

ECHINO CYSTIS Torr. et Gr.

Echinocystis muricata (Vell.) Cogn. Flora Bras. VI. 4 p. 88.

Momordica muricata Vell. Flora Flum. X. t. 94.

Para district: WULLSCHLÄGEL 980 ex Cogn. l. c.

Tropical Brazil, Columbia.

CAMPANULACEAE.

CENTROPOGON Presl.

Centropogon surinamensis (Linn.) Presl. Prodr. Mon. Lob. (1836) p. 48 n. 1.

Lobelia surinamensis Linn. Spec. plant. ed. II. p. 1320.

Lower Marowynne River, near Albina: VERSTEEG 533 (fl. July).

Lawa River: VERSTEEG 320 (fl. Oct.).

Upper Commewyne River: FOCKE 205 (fl. Oct.).

Lower Surinam River, near plant Jagtlust: TULLEKEN 88 H. L. B. 903,
322—1367 (fl. July); WENT 78 (fl. Aug.).

Paradistrict: VERSTEEG 493 (fl. June).

Paramaribo: KEGEL 311 (fl. July).

Lower Saramacca River, near Santigron: WENT 199 (fl. Aug.).

Upper Saramacca River: PULLE 209 (fl. March).

Surinam: HOSTMANN H. L. B. 903, 322—64.

Tropical South-America

COMPOSITAE.

SPARGANOPHORUS Gärtn.

Sparganophorus Vaillantii Gärtn. Fr. II. 396 t. 165.

Paramaribo : SPLITGERBER 48 H. L. B. 901, 86—448 (fl. Nov.); FOCKE 819; near Tourtonne : FOCKE 636 (fl. Sept.); KEGEL 142 (fl. July).

Surinam River, near Station Victoria : KAPPLER 1817 (fl. Sept.).

Lower Saramacca River, near Groningen : WENT 241 (fl. Aug.); near Santigron : WENT 208 (fl. Aug.).

Upper Saramacca River : PULLE 130 (fl. Dec.).

Surinam : HOSTMANN 480; WULLSCHLÄGEL 297; HOSTMANN 903, 322—78 and 229.

Tropical America and Africa.

PACOURINA Aubl.

Pacourina edulis Aubl. Plant. Guyan. II. 800 t. 316.

Surinam : VAN HALL 15a; HOSTMANN 556.

Northern Brazil, Guyana, Columbia.

VERNONIA Schreb.

Vernonia remotiflora L. C. Rich. Act. Soc. Hist. Nat. Par. 1792 p. 117

Tapanahoni River, near Mount Teeboe : VERSTEEG 800 (fl. Aug.).

Saramacca River, near Saron : KEGEL 1261 (fl. May).

Surinam : HOSTMANN 894; WULLSCHLÄGEL 288.

Northern Brazil, Guyana, Cuba.

Vernonia scorpioides Pers. Ench. II. 404.

Paramaribo : FOCKE 646 (fl. Sept.); near Poelepantje : KEGEL 705 (fl. Febr.); TULLEKEN 18 H. L. B. 903, 322—1281 (fl. July); WENT 341 (fl. Oct.).

Paradistrict : VERSTEEG 471 (fl. June).

Surinam : HOSTMANN 673; KAPPLER 1407; WULLSCHLÄGEL 286 ex Baker Flora Bras. VI. 2 p. 101.

Tropical America.

PIPTOCARPHA Bennett.

Piptocarpha triflora (Aubl.) Benn. in Herb. Br. Mus. ex Baker Flora Bras. VI. 2 p. 132.

Eupatorium triflorum Aubl. Plant. Guyan. II. 795 t. 314.

Surinam: HOSTMANN 126; WULLSCHLÄGEL ex Baker l. c.

ELEPHANTOPUS Linn.

Elephantopus scaber Linn.

var. **tomentosus** Schultz-bip. Linnaea XX p. 516.

Marowynne River, near Albina: VERSTEEG 31 (fl. July).

Marowynne River: KAPPLER (coll. 1861) H. L. B. 903, 322—413.

Gonini River: VERSTEEG 114 (fl. Aug.).

Lower Surinam River, near Jagtlust: WENT 75, 76 and 77 (fl. Aug.).

Paramaribo: KEGEL 308 (fl. July); KEGEL 8 (fl. June); TULLEKEN 56

H. L. B. 903, 322—1335 (fl. July); WENT 539 (fl. Nov.); WENT 22 (fl. July).

Paradistrict, in Savanne Berlyn: WENT 387 (fl. Sept.).

Lower Saramacca River: PULLE 112 (fl. Dec.).

Surinam: HOSTMANN 147, 338, 488 and 875; FOCKE 302 and 696;

HOSTMANN H. L. B. 903, 322—185; SPLITGERBER H. L. B. 900, 258—112.

All tropical countries.

Elephantopus angustifolius Swartz Prodr 115.

Commewynne River, near plant. Brouwerslust: SPLITGERBER 429 H. L. B. 900, 258—62 (fl. Dec.).

Surinam: HOSTMANN and KAPPLER ed. Hohenacker 526, named by Schultz. bip: *Elephantosis quadriflora* Less; HOSTMANN 1259.

Tropical Brazil, Guyana, West-Indies.

ROLANDRA Rottb.

Rolandra argentea Rottb. Soc. Med. Havn. Coll. II. 256.

Marowynne River: KAPPLER (coll. 1861) H. L. B. 903, 322—415; near Albina: WENT 455 (fl. Oct.).

Paramaribo: SPLITGERBER 248 H. L. B. 901, 52—209 (fl. Dec.); near Beekhuizen: KEGEL 199 (fl. July).

Para district, near Post Republiek: TULLEKEN 240 H. L. B. 903, 322—1425 (fl. Aug.).

Surinam: HOSTMANN H. L. B. 903, 322—232.

Tropical Brazil, French Guyana, West-Indies.

AGERATUM Linn.

Ageratum conyzoides Linn. Spec. plant. 1175.

Paramaribo: TULLEKEN 11 H. L. B. 903, 322—1315; TULLEKEN 69 H. L. B. 903, 322—1349 (fl. July); TULLEKEN 150 H. L. B. 903, 322—1390 (fl. Aug.)

Lower Saramacca River, near Groningen: WENT 163 (fl. Aug.).

Nickerie: TULLEKEN 313 H. L. B. 903, 322—1048 (fl. Sept.).

Vernacular name: "Wetede" or "Bokki Boontje" (Tulleken.).

All tropical countries.

MIKANIA Willd.

Mikania amara Willd. Spec. plant. III. 1744.

Marowynne River: KAPPLER (coll. 1861) H. L. B. 903, 322—411.

Coppename River: BOON 1086 (fl. Aug.),

Surinam: ROLANDER, WULLSCHLÄGEL ex Baker l. c. 237; HOSTMANN 602 named by Miquel, Stirp. Surin. Select p. 191: *Mikania stipitata* Schultz-bip.

Brazil, Guyana.

var. β **Guaco** Baker Flora Bras. VI. 2 p. 237.

Mikania Guaco H. B. K. Nov. Gen. et Spec. IV. 136.

Paramaribo: KEGEL 377 (fl. July).

Surinam: FOCKE 460 named: *Mikania argyrostigma* Miq. Linnaea XVII. p. 69; HOSTMANN 885; HOSTMANN H. L. B. 903, 322—160 and 212;

WULLSCHLÄGEL ex Baker l. c. 238

Amazon district, Peru, Central-America.

Mikania aspera Miq. Linnaea XVII. p. 68

Paramaribo: KEGEL 660a (fl. Sept.).

Upper Commewyne district: FOCKE 209 (fl. Sept.).

Mikania gracilis Schultz. bip. ex Miq. Stirp. Surin. Select. 187.

Surinam: HOSTMANN and KAPPLER ed. Hohenacker 1017; HOSTMANN H. L. B. 903, 322—267.

Mikania Hookeriana D. C. Prodr. V. 195.

Surinam: WULLSCHLÄGEL ex Baker l. c. 242.

Tropical Brazil, British Guyana, Nicaragua.

Mikania angularis H. B. Plant aequin II. 87 t. 106.

Paramaribo: WULLSCHLÄGEL ex Baker l. c. 245.

Surinam: HOSTMANN 164.

Columbia.

Mikania scandens Willd. Spec. plant. III. p. 1473.

Gonini River: VERSTEEG 84 (fl. Aug.).

Paramaribo, near plant. Kwatta: KEGEL 143 (fl. July).

Lower Saramacca River: PULLE 49 (fl. Nov.).

Nickerie: TULLEKEN 585 H. L. B. 903, 322—992 (fl. Nov.).

Surinam: HOSTMANN 144; FOCKE 664 named *Mikania atriplicifolia* Schulz-bip. in Miquel, Stirp. Surin. Select. p. 189.

All tropical countries.

var. ♂ **congesta** Baker l. c. 249.

Surinam: WULLSCHLÄGEL ex Baker l. c.

Mikania cordifolia (Linn. f.) Willd. Spec. plant. III. 1746.

Cacalia cordifolia Linn. f. Suppl. 351.

Marowyne River: KAPPLER (coll. 1861) H. L. B. 903, 322—410.

Cottica River, near plant. Badenstein: SPLITGERBER 781 H. L. B. 900, 362—101 (fl. Apr.).

Commewyne River, near plant. Nyd en Spyt: TULLEKEN 137 H. L. B. 903, 322—1383 (fl. Aug.).

Lower Surinam River, near plant. Jagtlust: WENT 35 and 62 (fl. Aug.).

Paramaribo: KEGEL 365, named by Schultz-bip. Linnaea XXI. p. 244: *Mikania gonoclada* D. C.; TULLEKEN 63 H. L. B. 903, 322—1342 (fl. July); WENT 4 (fl. July).

Para district, near plant. la Rencontre: FOCKE 785 named by Miquel: Linnaea XVIII p. 595: *Mikania gonoclada* D. C. and *Mikania surinamensis* Miq. Stirp. Surin. Select. p. 188.

Surinam: HOSTMANN 717; HOSTMANN H. L. B. 903, 322—72, named: *Mikania Hostmanni* Miq. Stirp. Surin. Select. p. 188.

All tropical countries.

Mikania psilostachya D. C. Prodr. V. p. 190.

var. ♂ **scabra** Baker l. c. 265.

Mikania scabra D. C. Prodr. V. p. 190.

Surinam River, near Blauwe Berg: SPLITGERBER 945 H. L. B. 900, 362—67 (fl. May).

Para district, near Koffiedjampo: KEGEL 660 (fl. Sept.); near Post-Republiek: TULLEKEN 238 H. L. B. 903, 322—1427 (fl. Aug.); FOCKE 145 named *Mikania Fockeana* Miq. Linnaea XVII. p. 68 and Stirp. Surin. Select. p. 190; near Onoribo: FOCKE 868 (fl. March); near Osembo: FOCKE 588 (fl. Apr.).

Surinam: HOSTMANN 777; HOSTMANN H. L. B. 903, 322—194; WULLSCHLÄGEL ex Baker l. c. 266

All tropical America.

Mikania trinitaria D. C. Prodr. V. p. 194.

Surinam River, near Joden Savanne: KEGEL 1501 (fl. Nov.).

EUPATORIUM Linn.

Eupatorium conyzoides Vahl Symb. III. 96.

Lower Marowyne River, near Albina: WENT 437 (fl. Oct.); TULLEKEN 593 H. L. B. 903, 322—1207 (fl. Oct.).

Gonini River: VERSTEEG 82 (fl. Aug.).

Paramaribo: SPLITGERBER 27 H. L. B. 900, 282—183 (fl. Nov.).

Para district, near Post-Republiek: TULLEKEN 232 H. L. B. 903, 322—1152 and 1153 (fl. Aug.).

Upper Saramacca River: PULLE 184 (fl. Jan.).

Surinam: VOLTZ without number.

var. ϵ **pauciflorum** Baker l. c. 278.

Surinam: WULLSCHLÄGEL 883 ex Baker l. c.

All tropical America.

Eupatorium macropodium Baker Flora Bras. VI. 2 p. 280.

Paramaribo: WULLSCHLÄGEL 273.

Eupatorium squalidum D. C. Prodr. V. 142.

var. β **subvelutina** Baker l. c. 282.

Eupatorium subvelutinum D. C. Prodr. VII. 268.

Tapanahoni River, near Mount Teeboe: VERSTEEG 795 (fl. Sept.).

Surinam: HOSTMANN 1273 named: *Eupatorium dichotomum* Schultz-bip.
ex Miquel, Stirp. Surin. Select. p. 184.

var. ϵ **Martiusii** Baker l. c. 282.

Eupatorium Martiusii D. C. Prodr. VII. 269.

Surinam: WULLSCHLÄGEL 1011; HOSTMANN 1273.

Tropical America.

Eupatorium laevigatum Lam Encycl. II. 408.

Marowynne River, near Poeloegoedoe: VERSTEEG 615 (fl. July).

Tapanahoni River: VERSTEEG 811 (fl. Aug.).

Upper Commewynne district: FOCKE 211 (fl. Sept.); named by Miquel;
Stirp. Surin. Select. p. 183; *Eupatorium psiadiaefolium* β *latifolium* D. C.

Lower Surinam River, near plant. Jagtlust: TULLEKEN 89 H. L. B.
903, 322—1368 (fl. July).

Paramaribo: FOCKE 652 (fl. Sept.); KEGEL 45 (fl. July).

Paradistrict: SPLITGERBER 1154 H. L. B. 900, 282—293 (fl. Apr.).

Lower Saramacca River, near Groningen: WENT 179 (fl. Aug.).

Surinam: HOSTMANN 268 and 462; HOSTMANN H. L. B. 903, 322—12

HOSTMANN (coll. 1824) in hb. Götting. named *Eupatorium conyzoides*

Vahl. by E. Meyer in Nova Acta. Acad. Nat. Cur. XII. p. 786 No. 5.

All tropical America.

var. γ **microcephala** Baker l. c. 287.

Paramaribo: WULLSCHLÄGEL 278.

Eupatorium odoratum Linn. Spec. plant. ed. II. p. 1174.

Surinam: WULLSCHLÄGEL 291 ex Baker l. c. 288.

West-Indies, Central America.

Eupatorium Vitalbae D. C. Prodr. V. p. 163.

Lower Commewyne district: FOCKE 249 and 662., named *Campuloclinium surinamense* Miq. Linnaea XVII p. 69; Linnaea XVIII p. 595 and Stirp. Surin. Select. p. 182.

Paramaribo, near Beekhuizen: KEGEL 1008 (fl. Sept.).

Surinam: HOSTMANN (coll. 1824) in. hb. Götting. named by E. Meyer in Nova Acta Acad. Nat. Cur. T. XII. p. 786 No. 67: *Eupatorium odoratum* Linn.; HOSTMANN 339 and 986; WULLSCHLÄGEL 274, 275, 276 ex Baker l. c. 306.

All tropical America.

Eupatorium amygdalinum Lam. Encycl. II. 408.

Para district: TULLEKEN 248 H. L. B. 903, 322—1441 (fl. Aug.).

Surinam: FOCKE 902; HOSTMANN 1255 named *Eupatorium surinamense Schultz-bip.* in sched. and *Eupatorium ixodes* Bth. by Miq. Stirp.

Surin Select. p. 185; WULLSCHLÄGEL 279 ex Baker l. c. 313.

Tropical Brazil, Guyana, Venezuela, Peru, Columbia.

Eupatorium urticifolium Linn. f. Suppl. 354.

Lower Marowyne River, near Albina: WENT 434 (fl. Oct.); VERSTEEG 18 (fl. July).

Paramaribo: FOCKE 42.

Upper Surinam River: FOCKE 1309.

Lower Saramacca River, near Maripaston: KEGEL 1295 (fl. May).

Surinam: FOCKE 346; HOSTMANN 1022 and 882; WULLSCHLÄGEL 280 ex Baker l. c. 344.

All tropical South-America.

Eupatorium macrophyllum Linn. Spec. plant. 1175.

Paramaribo: KEGEL 986 (fl. Aug.).

Surinam: HOSTMANN 251.

Tropical Brazil, Guyana, Peru, Cuba, Mexico.

ERIGERON Linn.**Erigeron canadense** Linn. Spec. plant. 1211.

Paramaribo, near plant. Kwatta: KEGEL 111 (fl. July).

Surinam: HOSTMANN 1212; HOSTMANN H. L. B. 903, 322—326;

WULLSCHLÄGEL 1501 ex Baker Flora Bras. VI. 3 p. 30.

Cosmopolitan.

CONYZA Linn.**Conyza chilensis** Spreng. Nov. Prov. 1818 p. 14.

Surinam: WULLSCHLÄGEL 1499 ex Baker l. c. 36.

All tropical and sub-tropical America.

RIENCOURTIA Cass.

Riencourtia glomerata Cass. Dict. XLIII 370.

Paradistrict, near Onoribo: SPLITGERBER 684 H. L. B. 901, 52—196 (fl. March); WULLSCHLÄGEL 832.

Surinam: HOSTMANN 809.

French Guyana.

CLIBADIUM Linn

Clibadium surinamense Linn. Mant. 294.

Lower Marowynne River, near Albina: WENT 436 (fl. Oct.); VERSTEEG 1 (fl. July) and 548 (fl. July).

Gonini River: VERSTEEG 127 (fl. Aug.).

Lower Surinam River, near Jagtlust: WENT 58 (fl. Aug.).

Paramaribo: SPLITGERBER 174 H. L. B. 900, 228—463 (fl. Nov.); KEGEL 44 (fl. June).

Paradistrict: VERSTEEG 484 (fl. June); near Post-Republiek: TULLEKEN 244 H. L. B. 903, 322—1421 (fl. Aug.).

Lower Saramacca River, near Santigrón: WENT 204 (fl. Aug.); near Mindrinetti: PULLE 41 (fl. Nov.).

Surinam: WEIGELT named *Bailliera aspera* Aubl.; HOSTMANN 647; HOSTMANN H. L. B. 903, 322—66.

Vernacular name: »Koenamie».

Tropical America; often cultivated.

ICHTHYOTHERE Mart.

Ichthyothere Cunabi Mart. in Buchn. Repert. Pharm. 1830 p. 195.

Surinam: HOSTMANN 1290.

Tropical Brazil, British Guyana, Venezuela.

MELAMPODIUM Linn.

Melampodium camphoratum (Linn. f.) Baker Flora Bras. VI. 3 161.

Unxia camphorata Linn. f. Suppl. 368.

Tapanahoni River: VERSTEEG 731 (fl. Aug.).

Cottica district, near Post-Oranjewoud: FOCKE 681 (fl. Oct.); FOCKE 110 H. L. B. 900, 361—56.

Surinam River, near Joden Savanne: KEGEL 1122 (fl. Nov.); KEGEL 167 H. L. B. 903, 322—1251 (fl. Aug.).

Para district, near Post-Republiek: TULLEKEN 227 H. L. B. 903, 322—1437 (fl. Aug.); near Onoribo: SPLITGERBER 662 H. L. B. 900, 361—54 (fl. March).

Surinam: KAPPLER 1399

Vernacular name: »Kamfer-bladeren».

Northern Brazil, Guyana.

ACANTHOSPERMUM Schrank.

Acanthospermum xanthioides D. C. Prodr. V. 521.

Lower Marowyne River, near Albina: WENT 443 (fl. Octob.); VERSTEEG 45 (fl. July); VERSTEEG 542 (fl. July).

Saramacca River, near Saron: KEGEL 221 (fl. May).

Surinam: HOSTMANN 1023; WULLSCHLÄGEL 303.

All tropical America.

PARTHENIUM Linn.

Parthenium Hysterophorus L. nn. Spec. plant. 1402.

Lower Nickerie River: FOCKE 499 (fl. May).

All tropical America.

AMBROSIA Linn.

Ambrosia microcephala D. C. Prodr. V. p. 527.

Surinam: WULLSCHLÄGEL ex Baker l. c. 149.

Brazil, Guyana.

ECLIPTA Linn.

Eclipta alba (Linn.) Hassk. Plant. Jav. rar. 528.

Verbesina alba Linn. Spec. plant. 1272.

Marowynne River: VERSTEEG 42 (fl. Aug.).

Gonini River: VERSTEEG 128 (fl. Aug.).

Tapanahoni River: VERSTEEG 692 (fl. July).

Lower Surinam River, near Jagtlust: WENT 45 (fl. Aug.).

Paramaribo: SPLITGERBER 274 H. L. B. 900, 256—389 (fl. Dec.);

WENT 333 (fl. Oct.); TULLEKEN 71 H. L. B. 903, 322—1347 (fl. July);

TULLEKEN 124 H. L. B. 903, 322—1478 (fl. Aug.).

Surinam River, near plant. Domburg: TULLEKEN 263 H. L. B. 903, 322—1159 (fl. Aug.).

Lower Saramacca River, near Groningen: WENT 233 (fl. Aug.); near Maripaston: PULLE 5 and 75 (fl. Nov.).

Upper Saramacca River: PULLE 407 (fl. Jan.).

Surinam: HOSTMANN H. L. B. 903, 322—317.

Vernacular name: "Loso wiwirie" or "Louisa wiwirie"

All tropical countries.

WULFFIA Neck.

Wulffia stenoglossa D. C. Prodr. V. 563.

Lower Marowyne River, near Albina: VERSTEEG 28 (fl. July).

Lower Surinam River, near Jagtlust: WENT 52 (fl. Aug.).

Paramaribo : SPLITGERBER 55 H. L. B. 901, 99—185 (fl. Nov.); KEGEL 88 (fl. July), named *Wulffia capitata* *Schultz-bip.* Linnaea XXI. p. 246; BOON 1008 (fl. Aug.); TULLEKEN 23 H. L. B. 903, 322—1496 (fl. July); FOCKE 286 (fl. Jan.).

Lower Saramacca River, near Groningen : WENT 243 (fl. Aug.); near Mindrinetti : PULLE 37 (fl. Nov.).

Upper Saramacca River : PULLE 187 (fl. Jan.)

Surinam : FOCKE 665, 968 named *Wulffia elongata* *Miq.* Stirp. Surin. Select. 193; HOSTMANN 335 and 705; WULLSCHLÄGEL 292; HOSTMANN H. L. B. 903, 322—27

All tropical America.

ELEUTHERANTHERA Poit.

Eleutheranthera ruderalis (Sw.) *Schultz-bip.* in Botan. Zeitung 1866 p. 165.

Melampodium ruderale *Sw.* Fl. Ind. Occ. 1372.

Cottica River, near plant. Badenstein : SPLITGERBER 784 H. L. B. 900, 258—161 (fl. Apr.).

Paramaribo : KEGEL 392 (fl. Aug.), named : *Kegelia ruderalis* *Schultz-bip.* Linnaea XXI. p. 245; WENT 313 (fl. Aug.).

Tropical South-America.

VERBESINA Linn.

Verbesina alata *Linn.* Spec. plant. 1270.

Surinam, acc. to Baker l. c. 216.

West-Indian Islands.

SPILANTHES Linn.

Spilanthes Acmella *Linn.* Syst. Veg. 610.

Surinam : HOSTMANN 319; KEGEL 816 (fl. May).

All tropical countries.

SYNEDRELLA Gärtn.

Synedrella nodiflora *Gärtn.* Fr. II. p. 456 t. 171.

Marowynne River : KAPPLER (coll. 1861) H. L. B. 903, 322—414.

Paramaribo : SPLITGERBER 11 H. L. B. 901, 89—435 (fl. Nov.); KEGEL 393 (fl. July); WENT 20 (fl. July).

Nickerie : TULLEKEN 309 H. L. B. 903, 322—1044 (fl. Sept.).

Surinam : FOCKE 1163; HOSTMANN H. L. B. 903, 322—319.

All tropical countries.

BIDENS Linn.

Bidens pilosus *Linn.* Spec. plant. 1166.

Lower Surinam River, near plant. Jagtlust : WENT 51 (fl. Aug.).

Paramaribo, near plant. Kwatta: KEGEL 496 (fl. May); TULLEKEN 55
H. L. B. 903, 322—1334 (fl. July),
Surinam: FOCKE 613 and 1261 (fl. May).
All tropical countries.

Bidens bipinnatus Linn. Spec. plant. 1166.

Lawa River: VERSTEEG 143 (fl. Aug.).
Lower Surinam River, near plant. Jagtlust: WENT 36 (fl. Aug.).
Paramaribo: SPLITGERBER 7 H. L. B. 900, 143—595 (fl. Nov.); VERSTEEG
565 (fl. June).
Vernacular name: »Toliman" (Versteeg).
All tropical countries.

POROPHYLLUM Vaill.

Porophyllum ruderale Cass. Dict. XLIII. p. 56.

Surinam: HOSTMANN (coll. 1824) in herb. Götting.; HOSTMANN 418;
HOSTMANN H. L. B. 903, 322—253.
Tropical America.

EMILIA Cass.

Emilia sonchifolia (Linn.) D. C. Prodr. VI 302.

Cacalia sonchifolia Linn. Spec. plant. 1169.

Lower Marowyne River, near Albina: VERSTEEG 16 (fl. July).
Lower Surinam River, near Jagtlust: WENT 53 (fl. Aug.).
Paramaribo: TULLEKEN 60 H. L. B. 903, 322—1339 (fl. July).
Paradistrict: VERSTEEG 470 (fl. June).
Lower Saramacca River: WENT 172 (fl. Aug.).
Surinam: FOCKE 32, named *Microhynchus surinamensis* Mig. in
Verslag en Meded. v/h Kon. Ned. Instituut 1842 p. 204; HOSTMANN
17 and 489; HOSTMANN H. L. B. 903, 322—30.
All tropical countries.

ERECHTITES Rafin.

Erechtites hieracifolia (Linn.) Rafin. in D. C. Prodr. VI. 294.

Senecio hieracifolius Linn. Spec. plant. 1215.

Lower Marowyne River, near Albina: VERSTEEG 19 (fl. July).
Marowyne River: VERSTEEG 455 (fl. Jan.)
Paradistrict: VERSTEEG 525 (fl. June).
Upper Saramacca River: PULLE 452 (fl. Febr.).
Surinam: HOSTMANN H. L. B. 903, 322—330; WULLSCHLÄGEL ex
Baker l. c. 290.

MALPIGHIACEAE*).

MASCAGNIA Bert.

Mascagnia elegans (Juss.) Griseb. Flora Bras. XII. 1 p. 95.

Hiraea elegans Juss. Monogr. p. 549

Paramaribo: KEGEL 829 (fl. March); WENT 255 (fl. Aug.).

Surinam: FOCKE without number.

Tropical Brazil, Peru.

Mascagnia anisopetala (Juss.) Griseb. Linnaea XIII. p. 242.

Hiraea anisopetala Juss. in St. Hil. Flora Bras. III. 15.

Paramaribo: SPLITGERBER 768 H. L. B. 905, 220—24 (fl. March) named

Hiraea rosea Splitg. Mss.

Upper Saramacca River, near Jacob-kondre: PULLE 111 (fl. Dec.).

Tropical Brazil.

HIRAEA Jacq.

Hiraea Blanchetiana Moric. Pl. Americ. p. 104 t. 65.

Gonini River: VERSTEEG 170 (fl. Aug.).

Paramaribo: SPLITGERBER 468 H. L. B. 905, 220—25 (fl. Jan.); SPLIT-

GERBER 242 H. L. B. 905, 220—26 (fl. Nov.); named *Hiraea guyanensis*

Splitg. Mss.; FOCKE 1104, named *Hiraea multiflora* Miq. Stirp.

Surin. Select. p. 83; near Kwattaweg: FOCKE 325 and 330; KEGEL

293 (fl. Aug.); KEGEL 352; near Poelepantje: KEGEL 737 (fl. Febr.);

near plant. Kwatta: KEGEL 804 (fl. Febr.).

Paradistrict, near plant. la Rencontre: FOCKE 784; SPLITGERBER 468a

H. L. B. 905, 220—27 (fl. May).

Saramacca River: FOCKE 317.

Surinam: HOSTMANN 363 and 493; FOCKE 1372

*) By circumstances beyond his control Prof. Niedenzu was delayed in working out this family. This rendered it impossible to assign its proper place to it on page 248 after the Meliaceae. For the same reason Prof. Niedenzu has been unable to deal with the genus Tetrapterys, so that it could only be incompletely inserted. A. Pulle.

Hiraea fagifolia (D. C.) Juss. Monogr. p. 567.

Banisteria fagifolia D. C. Prodr. I. p. 590.

Surinam; HOSTMANN 494.

Northern Brazil, Guyana.

Hiraea Riedleyana Juss. Monogr. p. 569.

Surinam: HOSTMANN 291.

Trinidad.

Hiraea Gaudichaudiana Juss. Fl. Bras. mérid. III. p. 6.

Marowyne River: KAPPLER (coll. 1861) H. L. B. 903, 322—444.

Gonini River: VERSTEEG 68 (fl. Aug.).

Tropical Brazil.

Hiraea chrysophylla Juss. Monogr. p. 572.

Marowyne River: KAPPLER (coll. 1861) H. L. B. 903, 322—441.

Tapanahoni River: VERSTEEG 803 (fl. Aug.).

Commewyne River: SPLITGERBER 511 H. L. B. 905, 220—28 (fl. Jan.);
named: *Hiraea discolor* Splitg. Mes; FOCKE 1225 named by Miquel:

Hiraea fulgens Juss. var. β *demerarensis* Juss.

Upper Saramacca River, near Janbasigado: PULLE 193 and 406 (fl. Jan.);

PULLE 436 (fl. Jan.); PULLE 478 (fl. (March)).

Upper Coppename River: BOON 1075 (fl. Aug.).

Surinam: HOSTMANN 225.

Northern Brazil, Guyana.

Hiraea affinis Miq. Linnaea XIX. p. 133.

Surinam: KAPPLER 1709.

TETRAPTERYS Cav.

Tetrapterys mucronata Cav. Diss. p. 434 t. 262.

Tapanahoni River: VERSTEEG 716 (fl. July).

Paramaribo: KEGEL 954.

Surinam: HOSTMANN 1142; HOSTMANN H. L. B. 905, 322—181.

British Guyana.

Tetrapterys puberula Miq. in Tydschr. Natuurl. Geschied. en Phys. X. p. 85.

Lower Surinam River: FOCKE 330 (fl. Sept.).

Tetrapterys calophylla Juss. Monogr. p. 525.

Lower Surinam River, near plant. Jagthust: SPLITGERBER 587 H. L. B.
905, 220—20 and 21 (fl. Febr.).

Paramaribo: WULLSCHLÄGEL.

Upper Saramacca River: PULLE 229 (fl. March).

Northern Brazil, Guyana.

Tetrapterys acutifolia Cav. Diss. p. 433 t. 261.

Gonini River: VERSTEEG 106 (fl. Aug.).

Cottica River: FOCKE 682 (fl. Oct.).

Guyana.

Tetrapteryx fimbripetala Juss. Monogr. p. 544.

Marowyne River: KAPPLER (coll. 1861) H. L. B. 903, 322—367.

Surinam: HOSTMANN 1252.

Guyana.

Tetrapteryx surinamensis Miq. Linnaea XVIII p. 55.

Paramaribo, near Wanicapad: FOCKE 640 (fl. Sept.); FOCKE H. L. B. 905, 320—19.

Surinam: HOSTMANN H. L. B. 903, 322—95.

Tetrapteryx complicata Miq. Stirp. Surin. Select. p. 82.

Gonini River: VERSTEEG 224 (fl. Aug.).

Surinam River, near Bergendal: FOCKE 1153.

Upper Coppename River: BOON 1144 (fl. Sept.); BOON 1222 and 1223 (fl. Octob.).

Upper Nickerie River: TULLEKEN 357 H. L. B. 903, 322—1116 (fl. Sept.)

BANISTERIA Linn.

Banisteria lucida L. C. Rich. in Act. Soc. hist. nat. Par. I. (1792) p. 109.

Marowyne River: KAPPLER ed. Hohenacker 1900 (fl. Aug.) named

Heteropteryx hiraoides Miq. in sched. and *Banisteria polita* Miq.

Stirp. Surin. Select. p. 80 t. 21; near Albina: WULLSCHLÄGEL 1387;

WULLSCHLÄGEL 54; KAPPLER (coll. 1861) H. L. B. 903, 322—360.

Surinam River, near Cassepoerakreek: KEGEL 1182.

Surinam: HOSTMANN and KAPPLER ed. Hohenacker 1027; HOSTMANN (coll. 1824) named *Banisteria lobulata* E. Mey. Nova Acta XII. p.

813; HOSTMANN H. L. B. 903, 322—52; FOCKE 329 named *Banisteria calocarpa* Miq. Linnaea XVIII p. 53.

Tropical Brazil, Guyana, Porto-Rico.

Banisteria cristata Griseb. Linnaea XXII p. 16.

Surinam: WULLSCHLÄGEL 183 (fl. May).

British Guyana.

HETEROPTERYX Juss.

Heteropteryx macrostachya Juss. Monogr. p. 450.

forma 1. *oblonga* Ndz. in Arbeiten Botan. Inst. Kgl. Lyc. Hosianum Braunsb. II. (1903) p. 29.

Marowyne River: KAPPLER ed. Hohenacker 1915 (fl. Aug.), named:

Heteropteryx apiculata Miq. Stirp. Surin. Select. p. 81; KAPPLER

ed. Hohenacker 1995 (fl. Aug.); WULLSCHLÄGEL 1900.

Guyana.

forma 2. **ovata** Ndz. l. c.

Gonini River: VERSTEEG 169 (fl. Aug.).

Lower Coppename River: WENT 110 and 145 (fl. Aug.).

Surinam: HOSTMANN 897.

Northern Brazil, Guyana, West-Indies.

Heteropterys anoptera Juss. Monogr. p. 459.

var. α . **glandulifera** Ndz. l. c. 48.

Paramaribo: WULLSCHLÄGEL 56.

Paraguay, Northern and Central Brazil, Venezuela.

Heteropterys suberosa Griseb. Linnæa XIII p. 229.

var. α . **Lessertiana** (Juss.) Griseb. l. c.

Heteropterys Lessertiana Juss. Monogr. p. 462.

Marowynne River: KAPPLER (coll. 1861) H. L. B. 903, 322—445.

Lawa River: KAPPLER ed. Hohenacker 1710 and 2122.

Surinam River: WULLSCHLÄGEL 858; near Joden Savanna: KEGEL 1184 (fl. Nov.).

Upper Saramacca River: PULLE 453 (fl. Febr.) and 494 (fl. March).

Paradistrict: WULLSCHLÄGEL 1323.

Surinam: HOSTMANN 224; HOSTMANN 1107 p. p.

Northern Brazil, Guyana, West-Indies.

var. β . **Candolleana** (Juss.) Ndz. l. c. 51.

Heteropterys Candolleana Juss. Monogr. p. 463.

Surinam River, near Bergendal: FOCKE 378 (fl. Sept.).

Upper Saramacca River: PULLE 431 (fl. Jan.).

Surinam: HOSTMANN 1107 p. p.

Guyana, Peru, tropical Brazil.

Heteropterys reticulata (Poir.) Ndz. l. c. 54.

Malpighia reticulata Poir. Encycl. Suppl. IV. 8.

Lower Marowynne River, near Albina: VERSTEEG 556 (fl. July).

Commewynne River, near plant. Waiampibo: SPLITGERBER 512 H. L. B. 905, 220—30 and 31 (fl. Jan.).

Paramaribo: KEGEL 704 (fl. Febr.).

Saramacca River: WULLSCHLÄGEL 916.

Surinam: HOSTMANN 531; HOSTMANN H. L. B. 903, 322—90.

Northern Brazil, Guyana, Columbia.

STIGMATOPHYLLON Juss.

Stigmatophyllon convolvulifolium (Cav.) Juss. Monogr. 374.

Banisteria convolvulifolia Cav. Diss. 428 t. 256.

Marowynne River: KAPPLER ed. Hohenacker 1899 (fl. Aug.).

Gonini River: VERSTEEG 47 (fl. Aug.).

Tapanahoni River: VERSTEEG 861 (fl. Sept.).

Paramaribo: KEGEL 126 (fl. July).

Coppename River: BOON 1048 and 1104 (fl. Aug.-Sept.).

Surinam: HOSTMANN 146 and 706; WULLSCHLÄGEL 914.

Northern Brazil, Guyana, West-Indies.

Stigmatophyllon fulgens (Lam.) Juss. Monogr. p. 370.

Banisteria fulgens Lam. ex Cav. Diss. p. 426 t. 253.

Upper Cottica River: FOCKE 683 (fl. Oct.) named *Stigmatophyllon hy-polencum* Miq. Linnaea XVIII p. 51.

Lower Saramacca River, near Mindrinetti: PULLE 34 (fl. Nov.).

Surinam: HOSTMANN 1029; WULLSCHLÄGEL 53.

Northern Brazil, Guyana.

Stigmatophyllon latifolium Bth. in Hook. Lond. Journ. of Bot. VII. p. 128.

Surinam: HOSTMANN ex Bth. l. c.

Stigmatophyllon puberum (Rich.) Juss. Monogr. p. 376.

Banisteria pubera Rich. Cat. plant. Lebl. in Act. Soc. Hist. Nat. Par.

Cottica River: FOCKE 715 (fl. Oct.).

Paramaribo: SPLITGERBER 129 H. L. B. 905, 220—43 (fl. Nov.) named

Banisteria Meyeri Splitg. Mss.

Surinam: HOSTMANN 803 and 965; HOSTMANN H. L. B. 903, 322—3;

WULLSCHLÄGEL 52; FOCKE 554.

Northern Brazil, Guyana, West-Indies.

Stigmatophyllon ovatum (Cav.) Ndz. in Index lection. Lyc. Reg. Hos.

Brunsb. 1900 p. 31.

Banisteria ovata Cav. Diss. IX. p. 429 t. 257.

Brachypterys borealis Juss. Mon. p. 356.

Matappica River: FOCKE 275 (fl. Dec.).

Lower Commewyne River, near plant. Nyd en Spyt: TULLEKEN 136 H. L. B. 903, 322—1382 (fl. Aug.).

Paramaribo: TULLEKEN 19 H. L. B. 903, 322—1492 (fl. July); WENT 5 (fl. July); WENT 337 (fl. Oct.); WENT 569 (fl. Jan.).

Para district: VERSTEEG 465 (fl. June).

Surinam: SPLITGERBER 12 H. L. B. 905, 220—42 (fl. Nov.); named *Banisteria riparia Splitg.* Mss.; HOSTMANN 178; HOSTMANN H. L. B. 903, 322—14.

Northern Brazil, Guyana, West-Indies.

SPACHEA Juss.

Spachea elegans (G. F. W. Mey.) Juss. in Lessert. Icon. III. p. 19 t. 31.

Malpighia elegans G. F. W. Mey. Prim. Flor. Esseq. p. 178.

Commewyne River, near plant. Waiampibo: SPLITGERBER 510 H. L. B. 905, 220—36 (fl. Jan.).

Upper Saramacca River, near Mount Janbasigado: PULLE 160 (fl. Jan.).

Surinam: HOSTMANN 57 and 1043.
Guyana, West-Indies.

MALPIGHIA Linn.

Malpighia puniceifolia Linn. Spec. plant. Ed. II. p. 609.

Surinam: SPLITGERBER 482 H. L. B. 905, 229—22 (fl. Febr.); WULLSCHLÄGEL 913.

Cultivated; vernacular name: »Kersenboom».

Northern South-America, West-Indies.

BUNCHOSIA Rich.

Bunchosia glandulifera (Jacq.) H. B. K. Nov. Gen. et Spec. V. p. 154.

Malpighia glandulifera Jacq. Coll. IV. p. 207.

Paramaribo: SPLITGERBER 998 H. L. B. 905, 220—41 (fl. May).

Surinam: FOCKE 1258 named *Bunchosia hypoleuca* Miq. Stirp. Surin.

Select p. 77.

Venezuela, West-Indies.

Bunchosia nitida (Jacq.) Rich. in Ann. Mus. Hist. nat. Par. XVIII p. 481.

Malpighia nitida Jacq. Stirp. Am. p. 136.

Lower Surinam River, near plant. Jagtlust: SPLITGERBER 401 H. L. B. 905, 205—39 and 40 (fl. Dec.).

West-Indies.

BYRSONIMA Rich. et Juss.

Byrsonima spicata (Cav.) Rich. ex Juss. Monogr. p. 294.

Malpighia spicata Cav. Diss. p. 409 t. 237.

Surinam River, near Joden Savanne: KEGEL 1147 (fl. Nov.); TULLEKEN 166 H. L. B. 903, 322—1250 (fl. Aug.).

Paradistrict: SPLITGERBER 991 H. L. B. 905, 229—34 (fl. March); near Onoribo: FOCKE 876 (fl. March); near Berlyn: WULLSCHLÄGEL 48.

Surinam: HOSTMANN 1009 named *Byrsonima Hostmanni* Bth. in Hook. Journ. of Bot. VII p. 120; ROLANDER; WULLSCHLÄGEL 40, 49 and 50.

Northern Brazil, Guyana Columbia, Venezuela, West-Indies.

Byrsonima crassifolia (Linn.) H. B. K. Nov. Gen. et Spec. V. p. 151.

Malpighia crassifolia Linn. Spec. plant. 426.

var. α . **typica** Ndz. in Arb. Bot. Inst. Lyc. Hos. I. (1901) p. 16.

Paradistrict, near Savanne Kompas: WENT 366 (fl. Sept.).

Surinam River, near Joden Savanne: FOCKE 348 (fl. Oct.).

var. β . **cinerea** Ndz. l. c. 17.

Paradistrict near plant. Berlyn: SPLITGERBER 725 H. L. B. 905, 220—37 (fl. March); near Onoribo: WULLSCHLÄGEL 46.

Surinam River: FOCKE 233 (fl. Nov.); near Joden Savanne: KEGEL 1146 (fl. Nov.); WULLSCHLÄGEL 47.

Surinam: HOSTMANN 126 and 810.

Northern South-America, West-Indies.

Byrsonima cydoniifolia Juss. Flora Bras. mér. III. p. 77.

Upper Surinam River: HOSTMANN and KAPPLER ed. Hohenacker 1296

pp. named by Steud: *Byrsonima verbascifolia* D. C.

Tropical Brazil.

Byrsonima verbascifolia (Linn.) Rich. ex Juss. Monogr. p. 280.

Malpighia verbascifolia Linn. Spec. plant 426.

var. β . **villosa** Griseb.

Upper Surinam River: HOSTMANN and KAPPLER ed. Hohenacker 1296 p.p.

Tropical Brazil, Guyana, West-Indies.

Byrsonima obversa Miq. Stirp. Surin. Select. p. 76.

Tapanahoni River: VERSTEEG 682 (fl. July).

Lower Coppename River: WENT 143 (fl. Aug.).

Surinam: HOSTMANN 665.

French Guyana.

JUBELINA Juss.

Jubelina rosea (Miq.) Ndz.

Hiraea rosea Miq. Stirp. Surin. Select. pg. 84.

Tapanahoni River: VERSTEEG 720 (fl. Aug.).

Marowyne River: KAPPLER ed. Hohenacker 1807 (fl. Aug.).

In the following summary of the distribution of species the first column indicates the number of species, known for Surinam of each order. The second column indicates the number of endemic species; the third the number of species, known for Surinam and at the same time occurring in French Guyana; the fourth the same for British Guyana; the fifth the same for the Amazon district; the sixth the same for the other parts of the American continent; the seventh the same for the West-Indian Islands; the eighth the same for other parts of the world.

ORDER.	Surinam.	Endemic.	French Guyana	British Guyana.	Amazon district	Other part of the continent.	West-Indian Islands.	Other parts of the world.
Hymenophyllaceae	18	0	10	12	15	9	8	0
Cyatheaceae	6	0	5	4	6	2	2	0
Polypodiaceae.	78	2	66	67	65	58	56	13
Parkeriaceae	1	0	1	1	1	1	1	1
Gleicheniaceae	1	0	1	1	1	1	1	0
Schizaeaceae	9	0	8	8	9	6	5	0
Salviniaaceae	2	0	2	2	2	2	2	1
Marattiaceae	2	1	1	1	0	0	0	0
Ophioglossaceae.	2	0	2	2	2	2	1	1
Lycopodiaceae	5	0	5	5	5	5	5	2
Selaginellaceae	6	2	4	4	2	2	1	0
Alismataceae	3	0	3	3	3	3	1	0
Butomaceae	1	0	1	1	1	1	1	0
Hydrocharitaceae	2	0	2	2	2	1	1	0
Gramina.	103	11	64	57	79	69	37	9
Cyperaceae	76	5	56	58	61	60	53	25
Palmae	26	2	20	20	22	15	4	2
Cyclanthaceae.	3	0	2	2	2	2	0	0
Araceae	39	12	13	10	16	12	8	1

ORDER.	Surinam	Endemic.	French Guyana.	British Guyana.	Amazon district	Other part of the continent.	West-Indian Islands.	Other parts of the world.
Lemnaceae	2	0	2	2	2	2	2	2
Majacaceae	1	0	0	1	0	0	0	0
Xyridaceae	5	2	1	1	3	2	1	0
Eriocaulaceae	10	2	6	5	6	7	1	0
Rapateaceae	3	0	3	3	1	0	0	0
Bromeliaceae	27	2	15	10	13	11	11	0
Commelinaceae	7	0	7	7	7	7	6	2
Pontederiaceae	4	0	4	4	4	4	4	1
Liliaceae	5	1	2	3	3	3	2	1
Haemodoraceae	1	0	1	1	0	0	0	0
Amaryllidaceae	7	1	5	5	6	6	5	0
Dioscoreaceae	4	0	3	2	3	0	0	0
Musaceae	7	0	7	4	7	5	4	1
Zingiberaceae	10	1	4	5	3	4	4	3
Cannaceae	2	0	2	2	2	2	2	0
Marantaceae	20	5	9	8	9	10	4	2
Burmanniaceae	4	0	4	2	4	2	4	0
Orchidaceae	142	33	42	75	60	61	42	1
Piperaceae	45	15	21	16	12	19	12	2
Lacistemaceae	5	0	3	4	2	2	0	0
Ulmaceae	1	0	1	1	1	1	1	0
Moraceae	12	2	4	7	5	4	2	1
Urticaceae	1	0	1	1	1	1	1	1
Proteaceae	1	0	1	1	0	0	0	0
Loranthaceae	19	3	9	10	13	12	7	0
Olacaceae	3	0	3	1	1	1	1	1
Balanophoraceae	1	0	1	1	1	1	0	0
Aristolochiaceae	5	3	1	2	1	1	1	0
Polygonaceae	11	0	8	9	9	7	6	0
Chenopodiaceae	1	0	1	1	1	1	1	1
Amarantaceae	15	1	12	12	14	14	12	6
Batidaceae	1	0	1	1	1	1	1	1
Phytolaccaceae	2	0	2	2	2	2	2	1
Nyctaginaceae	7	0	1	1	4	5	2	1
Aizoaceae	2	0	2	2	2	2	2	1
Portulacaceae	3	0	2	2	3	3	2	1
Caryophyllaceae	2	0	2	2	2	2	2	2
Nymphaeaceae	4	0	4	4	4	4	2	0
Anonaceae	20	5	6	8	8	7	3	0
Myristicaceae	3	0	3	2	2	2	1	0
Menispermaceae	9	2	6	4	4	2	2	1
Monimiaceae	4	0	4	1	1	1	2	0
Lauraceae	22	5	14	14	8	10	9	3

ORDER.	Surinam.	Endemic.	French Guyana.	British Guyana.	Amazon district.	Other part of the continent.	West-Indian Islands.	Other parts of the world.
Hernandiaceae	1	0	1	0	1	0	0	0
Papaveraceae	1	0	1	1	1	1	1	0
Cruciferae	2	1	1	1	1	1	1	1
Capparidaceae	9	1	7	7	6	7	6	1
Moringaceae	1	0	1	1	1	1	1	1
Podostemaceae	6	2	2	3	0	0	0	0
Crassulaceae	1	0	1	1	1	1	1	1
Rosaceae	19	5	9	11	9	5	3	2
Connaraceae	4	1	2	1	1	1	0	0
Mimosoideae	56	7	34	33	37	34	21	7
Caesalpinoideae	65	9	40	35	38	28	19	11
Papilionatae	92	4	70	71	71	66	51	27
Oxalidaceae	3	0	0	1	0	0	0	2
Humiriaceae	2	1	0	1	0	0	0	0
Erythroxylaceae	7	1	3	3	5	2	0	0
Zygophyllaceae	1	0	1	1	1	1	1	0
Rutaceae	6	0	5	3	4	3	3	1
Simarubaceae	3	0	2	2	2	0	1	0
Burseraceae	7	2	3	3	3	1	1	0
Meliaceae	17	3	7	7	6	6	5	2
Malpighiaceae	36	6	19	20	20	13	14	0
Trigoniacae	1	0	1	1	0	0	0	0
Vochysiaceae	4	1	2	2	1	1	0	0
Polygalaceae	17	1	12	12	9	9	4	0
Dichapetalaceae	1	0	1	0	1	0	0	0
Euphorbiaceae	54	3	41	42	46	41	28	5
Anacardiaceae	5	0	5	5	5	5	5	4
Aquifoliaceae	2	0	1	1	1	0	0	0
Celastraceae	4	3	1	1	0	0	0	0
Hippocrateaceae	5	2	1	3	3	1	1	0
Icacinaeae	1	1	0	0	0	0	0	0
Sapindaceae	25	2	20	16	13	9	9	4
Rhamnaceae	1	0	0	0	0	1	0	0
Vitaceae	4	0	2	3	2	4	3	0
Elaeocarpaceae	4	1	3	1	1	0	0	0
Tiliaceae	6	0	5	3	5	5	4	0
Malvaceae	35	3	20	24	25	27	22	19
Bombacaceae	4	0	4	3	3	0	1	1
Sterculiaceae	13	1	9	10	9	6	3	1
Dilleniaceae	12	2	8	4	8	6	4	0
Ochnaceae	8	1	6	3	5	2	1	1
Caryocaraceae	1	0	1	1	1	1	1	0
Marcgraviaceae	3	0	3	2	3	2	2	0

ORDER.	Surinam.	Endemic.	French Guyana.	British Guyana.	Amazon district.	Other part of the continent.	West-Indian Islands.	Other parts of the world.
Quinaceae	1	0	1	0	0	0	0	0
Theaceae	3	0	2	0	1	2	0	0
Guttiferae :	16	2	11	12	9	5	3	1
Bixaceae	1	0	1	1	1	1	1	0
Cochlospermaceae	2	2	0	0	0	0	0	0
Violaceae	8	0	8	7	8	6	2	0
Flacourtiaceae	15	3	9	10	9	10	6	0
Turneraceae	6	0	4	5	3	5	3	0
Passifloraceae	16	3	7	9	8	8	6	1
Caricaceae	1	0	1	1	1	1	1	1
Begoniaceae	1	0	1	1	0	1	1	0
Cactaceae	8	1	3	4	6	5	5	2
Lythraceae	5	0	2	2	3	2	1	2
Punicaceae	1	0	1	1	1	1	1	1
Lecythidaceae	16	7	8	3	1	0	0	0
Rhizophoraceae	2	0	2	2	1	1	1	0
Myrtaceae	32	14	11	12	11	8	4	3
Combretaceae	12	0	12	11	12	10	8	4
Melastomataceae	85	9	56	47	49	35	35	0
Onagraceae	9	0	8	9	9	8	7	3
Umbelliferae	2	0	2	2	2	2	2	1
Myrsinaceae	8	4	3	3	2	2	2	0
Theophrastaceae	1	0	1	0	1	1	0	0
Plumbaginaceae	2	0	1	1	1	1	1	1
Sapotaceae	7	0	4	4	5	2	3	1
Ebenaceae	1	0	1	1	0	0	0	0
Symplocaceae	1	0	1	1	1	0	1	0
Styracaceae	1	0	1	1	0	0	0	0
Loganiaceae	4	0	4	3	4	2	1	0
Gentianaceae	21	7	12	10	12	10	3	0
Apocynaceae	33	6	21	19	19	16	9	2
Asclepiadaceae	16	5	2	7	6	5	1	1
Convolvulaceae	35	8	21	22	22	19	18	7
Hydrophyllaceae	2	1	1	1	1	1	1	0
Borraginaceae	14	1	7	8	2	4	5	1
Verbenaceae	30	2	20	18	19	20	19	5
Labiatae	9	0	9	9	9	9	9	2
Solanaceae	28	5	20	15	17	14	12	2
Scrophulariaceae	16	2	12	13	12	12	7	3
Lentibulariaceae	12	5	2	3	4	4	1	0
Gesneriaceae	6	2	3	1	1	1	2	0
Bignoniaceae	40	8	15	10	22	19	6	2
Pedaliaceae	1	0	1	1	1	1	1	1

ORDER.	Surinam.	Endemic.	French Guyana.	British Guyana.	Amazon district.	Other part of the continent.	West-Indian Islands.	Other parts of the world.
Acanthaceae	30	2	11	11	15	14	6	4
Plantaginaceae	1	0	1	1	1	1	1	1
Rubiaceae	70	4	47	40	40	35	24	11
Campanulaceae	1	0	1	1	1	1	1	0
Cucurbitaceae.	30	3	13	18	17	18	8	7
Compositae	47	5	37	37	39	40	33	10
Total	2101	293	1273	1250	1287	1136	832	262
		14%	60,6%	59,5%	61,3%	54%	39,5%	12,4%

Phytogeographical remarks.

The Climate.

Reliable data about the climate of Surinam are only known for the littoral part. About the climate of the interior all sorts of conjectures can be found in various works, but they are not based on any reliable series of observations on temperature and rainfall. Observations made at Paramaribo during the years 1868—1898 give the following average temperatures for the different months of the year.

	7 A. M.	2 P. M.	9 P. M.	Max.	Min.
January	24.5	27.6	25.2	30.4	20.8
February	24.6	27.6	25.2	30.5	20.4
March	25.1	28.2	25.6	31.0	20.8
April	25.5	28.4	25.8	31.3	21.3
May	25.5	28.5	25.7	32.0	21.9
June	25.4	28.9	25.8	32.3	22.0
July	25.4	29.6	25.8	32.6	21.6
August	25.8	30.3	26.3	33.5	21.9
September	25.9	30.8	26.7	33.9	22.0
October	25.8	30.7	26.7	34.0	21.6
November	25.5	29.9	26.3	33.4	21.6
December	24.7	28.4	25.6	32.1	20.6
The year	25.3	29.1	25.9	32.3	21.4

From these numbers we see that the temperature is remarkably equal.

Yet these figures may not be taken as normal for the whole country. The interior which is covered with primitive forest is much cooler. Continued series of observations on the temperature of the interior have not been published, as far as I know.

Also the rainfall is pretty equally distributed over the year, as may appear from the following figures.

Observations made at Paramaribo during the years 1847—1854, 1864—1892, 1897. 1899—1901.

	m. m.	%
January	239.5	10.30
February	181.8	7.82
March	214.7	9.23
April	221.0	9.50
May.	316.6	13.61
June	290.0	12.47
July.	221.3	9.51
August	146.5	6.30
September	74.9	3.22
October	67.8	2.91
November	124.8	5.37
December	227.1	9.70
Total	2326.1	

That a very great number of observations is necessary in this case for obtaining a sufficiently accurate mean value, appears from the fact that the rainfall at Paramaribo during the first half year for 1902 was as follows :

	m. m.
January	182.4
February	558.3
March	222.3
April	522.4
May.	252.4
June	406.6
Total	2144.4 m.m.

Whereas the average rainfall in the first six months of the year is only 1463. 6 mm.

The average number of rainy days is 204 annually, so that an eventual dry period will never last long.

From the figures for the rainfall it appears that on the average there are two maxima every year, namely in Dec.—Jan. (the so called minor wet period) and in May—June (the so-called major wet period). Further 2 minima

a year, namely in Febr.—March (the minor dry period) and in Sept.—Oct. (the major dry period). Since the winds at the coast are almost without exception. N. E. - - S. E., the occurrence of these maxima and minima is not easy to explain. The damp north-east trade-wind, coming from the sea, causes this rainfall. In the dry half-year July—Dec. the wind has a more south-easterly direction, in the wet half year January—July a more north-easterly. West winds are rare and generally prevail for a few hours only. Since the country is flat to a very great distance from the coast, the rain falls very unequally and only in local showers, except during the wet period.

About the rainfall in the interior nothing is known with certainty. It is affirmed that the minor wet and dry periods are not observed there. But my own observations during the months Nov.—April 1902—1903 do not confirm this statement. The dry and wet periods which I noted during this time at a distance of to 70 to 230 kilometres from the coast show exactly the same data of rainfall and drought as the simultaneous observations at Paramaribo. It is possible that in the month of November, when the rainfall in Surinam generally increases again and the so-called minor wet period begins, the showers during this month do not penetrate very far inland. This is confirmed by the fact that although the month of November 1902 showed at Paramaribo a rainfall far above the normal amount, yet the water in the river continued to fall during the whole month.

A marked dry period is perhaps only found in the part of Surinam, situated S. W. of the Wilhelmina-mountains, which range intercepts on its N. E. side the rain of the sea-wind and so makes a more strongly marked dry period possible for this part.

Of the neighbouring colonies French Guyana has a climate which resembles that of Surinam. In Cayenne with an average yearly rainfall of 3011 mm. two maxima can be distinguished, in January (361 mm.) and in May (489 mm.). The minimum falls in September (28 mm.) but of a second minimum nothing can be detected. At Georgetown in British Guyana with an average yearly rainfall of 2138 mm. the agreement with Paramaribo is greater still. Here the major maximum falls in June (303 mm.), a minimum in October (60 mm.), a second maximum in December (277 mm.) and a second minimum in February (124 mm.). The whole littoral margin of Guyana presents the same image of the rainfall under the influence of the continuously blowing damp N. E. trade-wind. The interior of British Guyana, viz. the part south of 4° northern latitude and west of 59° western longitude, has a long dry period through the influence of the mountains N. E. of this region. The rainy period begins here in the beginning of May and ends in August. According to Schomburgk 1880 mm of rain falls during this period. To the N. W. this region is continued into the interior country of the Orinoco; perhaps it also extends, as was remarked above, into the still very incompletely known S. W. part of Surinam. But the climate of the

known part of Surinam agrees much more with that of French Guyana and the lower course of the Amazon; it is chiefly distinguished by the very regular distribution of rainfall and temperature over the whole year.

Plant formations and vegetation zones.

The littoral part of Surinam is formed by an alluvial strip of land, rising from the sea with a very gentle slope. In the eastern part of the colony this strip is much narrower than in the western; on the Marowine it reaches a breadth of 26 kilometres, on the Surinam river of 63, on the Saramacca of 79, on the Coppenam of 70 and on the Nickerie of 85 kilometres. This alluvium has been formed partly by the sea, partly by the rivers, but the border between the two is not everywhere known and seems to have a very irregular course. The nearly bare mud banks which extend far into the sea, especially near the mouths of the rivers, pass on the side of the land into a typical mangrove vegetation, chiefly consisting of *Rhizophora Mangle* and *Avicennia nitida*, mixed with *Conocarpus erectus*, *Bucida Bucas*, *Laguncularia racemosa* and *Acrostichum aureum*. As far as can be judged from the little material collected of this part, it may be assumed that this vegetation is practically equal to that of all low shores of northern South America.

The alluvial strip is broken by a number of shell banks, running parallel to the shore and called „schelpritsen” in the colony. They rise for the most part so far above their surroundings that they are not flooded by the tide and as they form a more solid underground, they are overgrown with larger trees which in some places rise above the low vegetation and make a quite different impression from the mangrove. Marshes are found in various places between these shell banks and where the shore is very flat, as is especially the case in the western part of the colony, *Coronie*, but also more to the east, on the *Commewine*, trees are altogether absent and are replaced by plains overgrown chiefly with *Cyperaceae*. What circumstances give rise to these formations is unknown still and can only be settled by an accurate investigation in loco.

In the east, on the mouth of the Marowine near *Galibi*, the mangrove vegetation is lacking and a sandy beach is found.

This region is followed by the greater part of the alluvial strip, namely the part formed by the rivers and where the vegetation is no longer influenced by the seawater. It was already remarked above that the borderline between sea and river alluvium cannot be sharply drawn. This is particularly noticed when going up a Surinamian river. Almost imperceptibly the true mangrove vegetation passes into a freshwater vegetation, but along the rivers the mangrove is found much farther inland than between the rivers. Especially *Avicennia* is found at a great distance from the shore. The low

banks of the river are generally covered here by an extremely dense vegetation and often make it very difficult to enter into the primitive wood as the soil is very marshy. The wood is very rich in lianas, these, in fact, are very common in Surinam and chiefly determine the outward appearance of the vegetation. It is very difficult to give a description of the vegetation of the river banks, since the number of species of which it consists is enormous. Among the most conspicuous plants we may certainly mention *Montrichardia arborescens*, the Mokko-Mokko, growing in the water in low, muddy and shallow places and everywhere occupying large spots. The banks are often densely overgrown with *Drepanocarpus lunatus* and *Solanum Juripeba*. These, however, are only found on the concave banks of the bends in the rivers, where the current is strongest and mud is not deposited; on the convex banks *Montrichardia* is found.

Pachira aquatica is conspicuous by its large flowers and *Cacoucia coccinea* by its long bunches of red flowers. The trees along the banks are hung with numerous climbers which often form such a dense curtain that the interior of the wood is entirely hidden from view. Especially *Convolvulaceae* and *Bignoniaceae* are extensively found, of the former family generally *Ipomoea fastigiata*, of the latter especially *Paragonia pyramidata*, but also often *Cydista aequinoctialis*. On the banks are very frequently found *Cissus erosa*, *Cissus sicyoides*, *Aniseia martinicensis* and *Paullinia pinnata*. Among the lower trees and shrubs *Inga ingoides* occupies a first place, frequently mixed with *Mabea*.

Among the higher trees *Ceiba pentandra* is most conspicuous, the sometimes leafless top of which rises above all other trees. In the blooming period especially *Triplaris surinamensis* and *Vochysia tetraphylla* draw our attention, while everywhere the white little stems of species of *Cecropia* jut out from the edge of the primitive wood and often their small white crown hangs over the water. Palms should be mentioned here in the first place, at any rate for their number. While in low spots in the east of the colony *Mauritia flexuosa* is most frequent, this plant occupies a quite secondary place along the other rivers. On these latter *Manicaria saccifera* is certainly the most common palm near the shore, but higher up the rivers it soon disappears and is replaced by the very common and extremely elegant *Euterpe oleracea*. But also species of *Astrocaryum* and of *Bactris* occupy an important place.

Among the epiphytes orchids are little conspicuous. As a rule they are small and among the larger species only *Jonopsis paniculata* is somewhat commoner on the lower rivers. Greater is the impression made by the *Bromeliaceae*, especially by the species of *Aechmea*, but also *Tillandsia usneoides* is very conspicuous, although it is not by any means so common as in some other parts of America.

Herbs on the banks can only be seen, of course, when the water is low. On the sand-banks *Heliotropium filiforme* and species of *Phyllanthus*

are found in large numbers and occasionally *Conohea aquatica* and *Bacopa aquatica*.

In those places where the banks are very low and consequently the wood is under water for a great part of the year, the trees are much smaller. Such plains grown with low trees and shrubs can extend to large distances from the river.

The border of wood along the river is generally very broad, but its breadth has been accurately determined in a few places only by cutting roads from one river to another. In the southern part of the alluvial strip the older stone formations reach the surface in some places. The stone has undergone at its surface a peculiar process of decay by which the soil has become unfit for the germination of the seeds of large trees. Besides the porosity of this soil which causes a relative drought in some periods of the year, the abundant rainfall has dissolved and removed a great part of the salts wanted by plants, so that great sterility is another cause by which the growth of trees is prevented. These plains which as a rule are situated somewhat higher than the surrounding alluvium, so that in the wet season they are not flooded and consequently the river does not deposit mud on them, are generally called „savannahs” in the colony, although the climate makes it evident that from the point of view of plant geography they differ very much from the true savannahs in the south of British Guyana and from the Campos of Brazil. That here only the above mentioned influence of the soil can be the agent is sufficiently proved by their small extent and by the fact that they are entirely enclosed by wood.

The best known of these savannahs are of course those that are situated on a river, as the Joden-savannah and the savannah of the Upper Para river. But also in various expeditions through the country such treeless plains have been repeatedly met with, so that at the present moment it is very difficult to tell what part of the colony is occupied by the savannahs; opinions on this point differ widely. In the east of the colony this region is situated nearer the shore than in the west and one of the savannahs of the Upper Commewine seems even to extend as far as the mouth of the Marowine and there to form the above mentioned sandy beach of Galibi.

Without vegetation these savannahs are only in a few places, according to Kappler. As a rule Gramina and Cyperaceae are strongly developed and form a dense cover between which numerous herbs and low shrubs are found. Among the ferns on them a number of species of *Schizaea* must be mentioned, further species of *Xyris*, *Eriocaulaceae* as *Paepalanthus* and *Syngonanthus*, *Commelina*, *Trema micrantha*, different *Amarantaceae*; among the *Caryophyllaceae* *Drymaria* and *Polycarpaea*, *Anonaceae*, among which especially *Xylopia*, *Mimosa* in different species. Of the genus *Cassia* especially *Cassia cultrifolia*, *C. uniflora*, *C. flexuosa*, *C. glandulosa* and *C. patellaria* are represented, among the *Papilionatae* *Stylosanthes*, *Zornia*, *Desmodium*, *Clitoria*, *Centrosema*, *Calopogonium*, *Dioclea* and *Eriosema*. The *Rutaceae*

Monniera trifolia is very common as well as different species of *Polygala*. Among the *Euphorbiaceae* the genera *Caperonia* and *Euphorbia* must be especially mentioned; among the *Malvaceae* *Malachra* and *Pavonia*; among the *Sterculiaceae* *Melochia* and *Waltheria*; among the *Ochnaceae* *Sauvagesia*; among the *Turneraceae* *Turnera* and *Piriqueta*. A very important part is occupied by the *Melastomataceae*. Of these especially the genera *Pterolepis*, *Tibouchina*, *Comolia*, *Acisanthera*, *Desmoscelis* and some *Miconias* draw our attention by their generally small but elegant flowers. Also *Gentianaceae* are represented in many specimens, especially the genera *Coutoubea* and *Schultesia*, and of the *Loganiaceae* a few species of *Spigelia*. Some species of *Solanum* rise above the lower herbs, while in some savannahs on the Upper Para river and near Bergendal *Amasonia erecta* colours the whole plain red by its purple bracts. The *Rubiaceae* are represented by numerous specimens of *Mitracarpus frigidus* and by a number of species of *Borreria* and *Diodia*. *Compositae* on the other hand are very scarce.

Occasionally small groups of big shrubs and low trees grow on the savannah, especially *Curatella americana* is noticed everywhere, but also different *Myrtaceae* and species of *Clusia* form these thickets. In these *Tetracera*, numerous *Malpighiaceae* and some species of *Adenocalymna* swing themselves. In July, after the great wet season the number of blooming plants in such savannahs is very great and offer the botanist a much richer harvest than the primitive wood.

Towards the south this little accidented territory passes into a low mountainous country of chiefly archaical origin in which granite occupies a very important place. Together with this the appearance of the river soon changes. The irregularly rising bed causes rapids and waterfalls, between which numerous, mostly densely overgrown greater and smaller islands stick out. At the same time representatives of the curious family of *Podostomaceae* are found on the boulders in the strong current. Predominant of these is *Mourera fluviatilis* which at high water develops below the surface and in July and August, when the water falls, raises its pink bunches of flowers above the level of the water. In October and November, when the rocks are entirely denuded, the vegetative parts are found dried out, the fruits spring open and spread their extremely fine seeds between the fissures of the rock where they germinate under water when the wet season sets in again. Besides *Mourera* a number of much smaller and less conspicuous forms occur. The larger the islands in the rivers, the bigger the trees that grow on them. On the smallest islets which are regularly flooded in the rainy time, one finds on small quantities of silted down sand as a rule some spare specimens of *Cyperaceae*. If the current does not become too strong, shrublike species of *Solanum* are often found and *Psidium polycarpon*. If the islands are somewhat larger and higher, species of *Cecropia* are very common. Low trees, generally having a xerophilous habit under

the influence of the peculiar soil are predominant, e. g. species of *Clusia*. Through the strong light epiphytes are much more common here than along the river banks in the alluvial part. Especially Orchids (*Epidendrum oncioides* and *Rodriguezia secunda*) are very numerous; also Bromeliaceae and *Rhipsalis* are noticed. Along the banks of the Saramacca *Jacaranda filicifolia* bloomed in Nov. 1903 in many specimens, which plant is an ornament to vegetation by its almost leafless crown, entirely covered with blue flowers, and by its white stem. Remarkable is the very general presence of *Eperua falcata* and *Eperua rubiginosa* whose long-stemmed pods reach almost to the water. Since the soil is much drier here *Euterpe oleracea* is absent; palms remain common along the bank, however, but especially species of *Bactris* predominate. Where the river forms larger basins and the water flows more slowly, *Montrichardia* appears again, but remains very rare since the proper muddy soil is only rarely found. In such places riparian herbs are very common. Whole fields of *Jussieua* mixed with *Dalechampia* are repeatedly met with. Close to the water stand *Hibiscus bifurcatus* and *Calonyction speciosum* between which *Aniseia martinicensis* and *Phaseolus campestris* wind upwards. Neither are climbing plants wanting. Especially Bignoniaceae draw our attention again by their vividly coloured flowers, while among the large lianas *Norantea guyanensis* deserves mentioning, whose bunches of orange-red honey-cups contrast strongly with the green.

Although a botanist may pretty easily form an idea of the systematic constitution of the vegetation of this part of the river, this becomes very different as soon as one penetrates into the primitive wood. On the whole the woods in this part are not dense. The soil is grown with species of *Selaginella* and *Hymenophyllum*, but shrubs and larger herbs are almost entirely lacking. A great number of stems of all degrees of thickness are found here. Between the big stems with a diameter of several metres are spread the seedlings of only a few decimetres height which are furnished with a few leaves only, make a very poor impression and perish again after a short time through lack of light. The big stems stand in many places at a fairly great distance from each other and with their crowns hardly in touch, so that the wood is not dark at all although direct sunlight penetrates in a few spots only. In some places the wood is somewhat more difficult to pass; where a tree has recently felled and so a speck of light has been formed, various plants have developed in great abundance and obstruct the passage. On the whole fallen trees are very numerous on this soil, of course on account of the hard subsoil which does not permit the roots to penetrate far into the ground. Here also palms form a chief constituent of the vegetation, especially species of *Astrocaryum* and *Bactris* and also lianas, such as *Bauhinia*, are extremely numerous, while occasionally the air-roots of epiphytical Araceae hang down like cables. That it is chiefly lack of light that prevents the development of underwood, is proved by the fact that this latter is much more strongly developed in places where the

trees are often cut, as in the neighbourhood of bushnegro villages, where the wood is often entirely impassable. Another result is that the woods, seen from the river, give the impression of being much denser than is really the case.

The extremely damp atmosphere which always prevails, fosters strongly the growth of epiphytical ferns as species of *Trichomanes* and *Polypodium*. Other epiphytes are much less numerous, however. Orchidaceae are only in exceptional cases found so near the bottom that they can be captured and also Araceae and Bromeliaceae inhabit only the highest branches of the trees. On the other hand *Codonanthe calcarata* is pretty often noticed; it serves as a dwelling place for ants here, in the same way as is described for the Amazon district by Ule. Where the soil is very damp, saprophytes are rather frequent. Especially *Voyrias* and the representatives of the related genera *Leiphaimos* and *Voyriella* attain a great development, also the *Burmanniaceae* and *Helosis guyanensis*.

To form an idea of the systematic constitution of the wood is a matter of extreme difficulty. As is well known of all rainwoods of tropical America, the trees have only a very short blooming period, occurring with long intervals. The result is that one very seldom meets a tree in bloom. Although this circumstance is aggravated by the fact that from below the flowers are often unnoticed, yet it is certain that their number is small, of which fact one is easily convinced by looking at the tops of the trees from a mountain. The few flowers seen on such an occasion must on closer examination often be ascribed to epiphytes. Since moreover the trees only bloom when they have reached a considerable size, it is clear that only cutting can give information. Climbing is mostly impossible on account of the smoothness of the stem.

Among the biggest specimens met, a number of species of *Tecoma* must be mentioned first, of which *Tecoma Leucoxylon* occupies the first place. *Ceiba pentandra* here also draws our attention by its size, while *Mimusops Balata* is very general in some places. Species of *Lecythis* and *Eschweilera* play an important part; *Couratari guyanensis* is also often remarked. The leaves are on the whole rather small and leathery, the stems smooth and often white, of which *Martusia parvifolia* is a good instance. Stems with strutting roots are also often met with. Tree-ferns, *Alsophila* and *Hemitelia*, are found, but they are not common. On the light spots of the primitive wood *Heliconia* and *Costus* are often frequent, the former of which is also very common in the primitive wood on the lower rivers. Different species of *Psychotria* and *Uragoga* are conspicuous by their coloured inflorescence and bracts. *Bertiera guyanensis* already becomes somewhat larger and *Xiphidium coeruleum* is especially common in the dampest places. Specimens of *Miconia* and *Clidemia* are commonly met with.

This primitive wood, as far as is known, covers the whole country without interruption as far as the southern border; even the higher tops

reaching 1100 metres, are covered with it. To what extent the wood changes its constitution at this height, is unknown. It has been noticed that on the high tops the trees are lower than on the plain, but extensive descriptions are entirely lacking. Bare tops are very rare. Among these may be mentioned the Voltzberg on the Coppenam and some tops on the Litanie and Tapanahoni, e. g. the Knopaiamoi and the Teeboe. Here it is the composition of the soil that prevents the growth of trees. Such bare tops are often overgrown with Bromeliaceae (Plate I) of which *Pitcairnia nuda* seems to be one of the commonest. This plant was already noticed by Kappler in 1861 when ascending the "Piton Vidal", as appears from his description of that expedition. In 1903 and 1905 it was found in great masses in the same place and also on the bare tops on the Upper Tapanahoni river by Versteeg. *Portulaca pilosa* seems to occur commonly here also, as well as *Manihot utilissima* which was found in these [places entirely wild, as well by Kappler as by Versteeg. From fissures in the rocks in which the roots of large plants may develop, species of the genus *Clusia* rise very frequently, while the often entirely leafless crowns of *Cochlospermum*, covered with bright yellow flowers, are visible at a great distance. Groups of *Cocos flexuosa* are noticed in many places, while *Cecropia* here also is very numerous.

Whereas most Surinamian rivers from their source to their lower course flow through a river-bed which slopes strongly and irregularly and so form waterfalls and rapids throughout their upper course, this is not the case with the Coppenam R. and the Saramacca R. The upper course of these rivers is situated in a valley, consisting of alluvium in which the rivers have dug out a narrow but often very deep bed, so that their banks are in many places high and steep. On this soil the primitive wood often has another appearance, which is caused not so much by the trees as by the enormous quantities of *Geonoma* which here cover the ground. Since the river is mostly very narrow here and consequently little light penetrates into the wood, the banks bear little vegetation, so that one may notice without difficulty that here also the trees are at relatively great distances from each other. The appearance of the river becomes quite different in places where the banks are low and often flooded. Here high trees become quite secondary and a dense wood of shrubs, chiefly *Inga*, covers the soil; in such places the river is often quite obstructed by the growths and one has with great difficulty to cut a passage from the boat. Characteristic of the marshy soil are the grouplets of *Mauritia flexuosa*, of *Euterpe oleracea* and of *Ireartea exorrhiza* which occur again everywhere. Blooming plants are abundant here. The purple *Passiflora coccinea* and the blue *Solanum pensile* climb upwards in the low shrubs. A spare *Hymenaea* raises its crown far above the low vegetation and occasionally one meets extensive plains with species of *Guadua*, resembling *Bambae*. Where the bank becomes a little higher again, *Oenocarpus* is noticed; big, shrublike

Miconias are very common and *Vitex multiflora* throws its blue flowers on the water, while in March the yellow fruits of *Spondias lutea* swim down the river in large number. Also herbs occupy a first place here, among which *Noisetia orchidiflora* and species of *Aciotis*.

This description of the vegetation is founded for the greater part on observations by the present author during his journey along the Saramacca R. But also different works on Surinam have been used, of which may be mentioned Kappler's "Surinam" and Martin's "Bericht über eine Reise nach Niederländisch West-Indien und darauf gegründete Studien," while of course the study of the various collections formed the base for the enumeration of the species, constituting the different types of vegetation.

Distribution of the species and comparison with neighbouring districts.

From the list at the end of the systematic part it appears that a total number of 2101 vascular plants from Surinam are known. When estimating the value of this figure one has in the first place to ask to what extent it represents the number of species actually occurring in Surinam. It is not easy to answer this question. The list of species known from British Guyana up to 1848 in the third part of Schomburgk's "Reisen in Britisch Guyana", the "Catalogue des plantes de la Guyane française" of Sagot and Martius' *Flora Brasiliensis* form the material for comparison by means of which one may try to answer this question. Schomburgk enumerates nearly 3500 vascular plants, which number has been materially increased, however, by later additions from the collections of Jenman and others. The number of plants enumerated by Sagot is smaller than that known for Surinam. The number of species of the Amazon region, on the other hand, is much larger (the exact number is unknown to me, but it certainly is many times 2101). Now there are of course two factors causing these differences, firstly the greater or smaller number of species of the neighbouring districts and secondly the more or less accurate knowledge of the flora. The first factor is certainly the most important when comparing the Surinamian flora with that of British Guyana. This latter country, namely, offers a much greater variety of sites to the vegetation. High mountains and extensive savanahs which do not occur in Surinam must cause the number of species to increase so considerably that British Guyana will always greatly surpass Surinam in wealth of the flora. But also the more accurate knowledge of the flora is a factor which must not be underrated. A traveller like Schomburgk who crossed the country in all directions for 3 or 4 years will naturally collect many more species than the numerous collectors who visited Surinam for a relatively short time only. For the latter were mostly entirely unacquainted with the flora and always began again with the commonest plants. Schomburgk however, became thoroughly acquainted with the flora during his

long stay in the colony and seldom collected a species already found.

In regard to French Guyana I believe that the second factor has the greatest influence, namely that the flora is less known. For this country has certainly been much less visited by collectors than Surinam. This appears best of all from the figure for the Orchidaceae. Of the 142 orchids known in Surinam, 42 also occur in French Guyana and 75 in British Guyana. Now, since the orchids are the family to which collectors as a rule pay most attention, we may safely infer that the flora of French Guyana is much less known than that of Surinam, since it cannot be assumed that French Guyana should be so much poorer in orchids than the adjoining districts.

When making a comparison with the Amazon region both factors make themselves perhaps equally felt in the differences between the numbers of species. Especially the much greater extent of this region must lead necessarily to a greater wealth of species, but also the collections have been made on a much larger scale and the travellers have as a rule stayed much longer.

Looking at the total figures one sees that of the 2101 species known in Surinam 1273 or 60.6 % are also known for French Guyana, 1250 or 59.5 % also for British Guyana and 1287 or 61.3 % also for the Amazon district. Hence if it is true that the flora of British Guyana is much better known than that of Surinam, that of French Guyana less well known, it follows that the systematic constitution of the flora of Surinam has more resemblance with that of French than with that of British Guyana. But one thing must not be lost sight of, namely that there has been more collected in the east of Surinam than in the west and although it has not been proved at all that the flora of the east differs from that of the west, yet it is striking that from the Marowine, the Gonini and the Tapanahoni so many plants have become known which until now had only been found in French Guyana.

The number of endemic species is no less than 293 or 14 %, a percentage which will probably be increased by a monographic treatment of the different families. In this respect Surinam consequently agrees entirely with Guyana and the Amazon district, where also the number of endemic species is so uncommonly large. Remarkable is the very limited distribution which such endemic plants have. From the systematic part it will be seen that many of these species have been found twice or more, but nearly always in very neighbouring places, e. g. along the same river.

These species nearly always belong to the vegetation of the primitive wood which is in complete agreement with the fact that wood plants generally have far fewer means of spreading their seeds than the plants of the savannah and other small growths occurring in open places, along roads, etc. In this respect the flora of the Surinamian savannahs presents nothing peculiar. Nearly all the plants, especially the herbs, are inhabitants of the whole of tropical America, as well as the great majority

of the plants growing alongside the roads in the environs of Paramaribo. These also belong to the best known part of the vegetation, since collecting them presents no special difficulties. The matter is very different for the large trees. It was stated above that felling a tree is as a rule the only way to get to know its name. Only rarely a collector has an opportunity of doing this. Only foresters who stay for a long time in the woods and accurately notice the moment the tree begins to bloom and who moreover have sufficient labourers at their disposal, can make important contributions to the knowledge of the Surinamian wood-tree flora and it is only quite recently that such an investigation has been started in Surinam. Although the greater part of the material was received too late to allow its being incorporated into the systematic part of this work, yet a cursory examination has shown that the specimens received consist for the greater part of species that are as yet unknown for Surinam. There is still another circumstance, which makes conditions in this respect unfavourable in Surinam. Whereas in the neighbouring colonies one can avail himself of the excellent botanical knowledge of the Indians who distinguish the species well, so that by means of a vocabulary and an Indian one may form in a short time a good idea of the systematic constitution of the primitive wood, this means fails in Surinam by the scarcity of the Indian population there, so that one has to seek information with the bush-negroes who nearly always know plants and animals equally badly. (On this point see also page 12).

If we now examine the distribution of the species over the different orders, the Leguminosae are certainly at the top with 213 species, which is over ten percent of the total number. But among these there are many especially among the Papilionatae, that have been cultivated and also occur in other parts of the world. The number of endemic species is proportionally largest among the Caesalpinoideae which are for the greater part trees.

Of the large orders the next in number of species, is that of the Orchidaceae, with 142 species; this family is at the same time one of the best known of Surinam. It is remarkable by the large number of endemic species. (33 or 23%). As a rule they belong to the species with small flowers. Large and brilliantly coloured flowers that are so common in Venezuela, occupy a quite secondary place here.

Grasses and Cyperaceae with respectively 103 and 76 species are for the greater part savannah plants and otherwise play no important part in the vegetation. Melastomataceae are represented with 85 species and are also for the greater part inhabitants of the savannah. Vascular cryptogamia occur in 130 species of which 78 are Polypodiaceae; they of course belong chiefly to the epiphytes and the wood flora. The number of endemic species is very small, which of course is a consequence of the ease with which they spread.

The number of Rubiaceae amounts only to 70. This number must be

assumed to be far too small, on account of the great difficulty of distinguishing the species in some groups, for which reason a number of species were not dealt with and left out in the systematic part, while by the great uniformity of the flowers specific differences often escape the attention of the collector. The Rubiaceae certainly form a much more important part of the vegetation than is expressed by this figure.

The Euphorbiaceae also belong to the large orders. The 54 species mentioned will probably not give an exact idea of their occurrence compared with other orders. Of this the smallness of the flowers is probably the cause, so that many specimens are not noticed by the collectors.

The Piperaceae with 45 species belong partly to the wood plants (Piper), partly to the epiphytes (Peperomia). Here also the number of endemic species is extremely large.

The Compositae with 47 species are very meagrely represented, taking into account the number of known species of this family, a phenomenon which is met with, however, in the whole lower part of the South-American tropical continent.

The Bignoniaceae with 40 species, of which 8 are endemic, are mostly high climbers, inhabiting the edge of the primitive wood. Not a small number occur in savannahs, however. As trees (Tecoma) they play a much less important part in the vegetation. Also the Convolvulaceae are mostly riparian plants, sometimes high climbers (Ipomoea, Maripa), sometimes low climbers (Aniseia). Also of this family some species inhabit dry spots. The Malvaceae are only exceptionally inhabitants of the wood. Some species of Hibiscus occur preferably in very wet places along the river banks. Most species, however, are true savannah plants or occur on open spots, along roads, etc.

A rather important place is occupied by the Apocynaceae. About their occurrence little general can be said, for they are as well trees, as climbers, while no small part of them occurs as shrubs in the primitive wood.

The Araceae draw our attention by the large number known in Surinam (39), among which no less than 12 endemic ones.

On the other hand one is struck by the small number of Myrtaceae. Here also, as was the case with the Rubiaceae, this must be ascribed to the great mutual resemblance of the flowers and to the difficulty of determining the specimens. They occur especially as low trees in savannahs and along the rivers.

Of the Lauraceae only 22 species are known in Surinam, a number which certainly is far too small. They are mostly large trees and to this circumstance their being so little known must be principally ascribed. Besides the great uniformity of the flowers makes that only completely collected specimens can be determined with certainty.

The Palms which occupy such an important place in the vegetation, are rather conspicuous by the large number of the specimens than by the

number of species. Probably continued study of the flora will increase this number, but here also the difficulty of collecting complete material, is a factor which must be taken into account.

Of the smaller orders are conspicuous by the large number of endemic species: Marantaceae with 5 out of 20; Aristolochiaceae with 3 out of 5; Anonaceae with 5 out of 20; Lauraceae with 5 out of 22; Rosaceae with 5 out of 19; Lecithydaceae with 7 out of 16; Myrsinaceae with 4 out of 8; Gentianaceae with 7 out of 21; Asclepediaceae with 5 out of 16; Lentibulariaceae with 5 out of 12.

Very small is the number of Podostemaceae compared with that known for British Guyana. Of the 6 known species 2 are endemic (and new). This small number is probably caused by the difficulties attending the collection of these inhabitants of the water. Finally comparing the percentage constitution of the flora according to the orders with that which is given by Schomburgk, we find the following result:

	Surinam.	Br. Guyana.		Surinam.	Br. Guyana.
Leguminosae . .	10 %	11 %	Compositae . .	2,2 %	3 %
Orchidaceae . .	7 %	6 %	Euphorbiaceae .	2,6 %	2—3 %
Ferns . . . ,	6,3 %	6—7 %	Piperaceae. . .	2,2 %	2 %
Melastomataceae	4 %	4 %	Apocynaceae . .	1,6 %	2 %
Gramina . . .	5 %	3 %	Myrtaceae . . .	1,6 %	2 %
Cyperaceae . .	3,7 %	3—4 %	Palmae	1,2 %	1—2 %
Rubiaceae . . .	3,4 %	5 %			

The agreement is fairly satisfactory. The greatest deviation is shown by the Gramina which in Surinam occupy 5 % of the number of species and in British Guyana only 3 %. But we must take into account that in 1848 when Schomburgk's list was published, grasses were much less known than nowadays, so that a new treatment of the representatives of this order in British Guyana would probably considerably increase the number of species. On the whole the age of Schomburgk's list is a factor which must be taken into account and which may cause the agreement in the percentage constitution to be more accidental than real.

Another conclusion which might be drawn from this comparison is that it is not the savannahs of British Guyana which make the flora so much richer in species than that of Surinam. For the orders that play an im-

portant part as savannah plants (Cyperaceae, Melastomataceae) are represented in the flora with the same percentage as in Surinam

To make comparisons with French Guyana is impossible with the present state of our knowledge of the flora of that country. Sagot's "Catalogue" is far too incomplete for this purpose. But what we know about that country from books of travel makes it very probable that it has a great resemblance with Surinam.

From what precedes it appears that a thorough comparison of Guyana with the Amazon district is impossible on account of our insufficient knowledge of the primitive wood of Guyana. Yet in my opinion the climatic as well as the botanic data indicate that the representation of Martius, who limits the Hylaea to about 1° north. lat., as is also done by Grisebach on the map of his "Vegetation der Erde", is not in accordance with the facts. On the contrary, I think it probable that, barring the littoral district, the Hylaea must be represented as extending over the greater part of French Guyana and Surinam. In the latter country it grows narrower by the influence of the Wilhelmina range which extends to the north-west, and is then continued as a narrow strip north of the mountains of British Guyana where it gradually passes into the type of the primitive woods on the Orinoco.

The accuracy of this supposition can only be proved by a continued botanical and geographical investigation, as well of Surinam as of the neighbouring regions

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- ✠ 1877. H. G. REICHENBACH FIL. Orchideae surinamenses Kegelianae in *Linnaea* XLI p. 119.

Explanation of plates.

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List of the vernacular names.

Abrasa	<i>Clusia grandiflora</i> Splitg.
Advocaat	<i>Persea gratissima</i> Gärtn.
Agoema	<i>Solanum oleraceum</i> Rich.
Akaja	<i>Pedicellaria pentaphylla</i> (L.) Schrank.
Amandelboom	<i>Terminalia Catappa</i> Linn.
Anoura	<i>Allamanda Cathartica</i> Linn.
Anijsblad	<i>Heckeria peltata</i> (L.) Kunth.
Apra	<i>Chrysophyllum Cainito</i> Linn.
Aratta kaka pepre.	<i>Capsicum frutescens</i> Linn.
Aripawana	<i>Gustavia augusta</i> Linn.
Arrow-root	<i>Maranta arundinacea</i> Linn.
Asitjona	<i>Tephrosia toxicaria</i> Pers.
Asmatoc pimpin	<i>Pariana lunata</i> Nees
Awaja	<i>Protium heptaphyllum</i> (Aubl.) March.
Awarra.	<i>Astrocaryum segregatum</i> Drude.
Baboen hoedoe	<i>Virola surinamensis</i> Warb.
Baboen mispel	<i>Henriettea succosa</i> D. C.
Baboen-nefi	<i>Paspalum virgatum</i> Linn.
Baboen-nefi	<i>Scleria secans</i> (Linn.) Urb.
Bacove	<i>Musa paradisiaca</i> Linn.
Bakoeba	<i>Musa paradisiaca</i> Linn.
Bamba maka.	<i>Desmoncus polyacanthos</i> Mart.
Bamboeasi Foetsch	<i>Guadua Tagoara</i> (Nees.) Kth.
Bamboesi maka.	<i>Desmoncus riparius</i> Spruce.
Bana.	<i>Musa paradisiaca</i> Linn.
Banilla	<i>Vanilla planifolia</i> Andrews.
Banirie	<i>Vanilla planifolia</i> Andrews.
Basuba Pisie.	<i>Ocotea guyanensis</i> Aubl.
Bayboom	<i>Pimenta acris</i> (Sw.) Lindl.
Bébé-hoedoe	<i>Pterocarpus Draco</i> Linn.
Bierie hoedoe	<i>Eperua falcata</i> Aubl.
Bierie hoedoe	<i>Eperua rubiginosa</i> Miq.
Birambi	<i>Averrhoa Bilimbi</i> Linn.

Bitu wiwirie	<i>Phyllanthus Niruri</i> Linn.
Bittere Cassave	<i>Manihot utilisima</i> Pohl.
Bittere djoeka	<i>Mucuna urens</i> (L.) DC
Blaka massoesa	<i>Renealmia occidentalis</i> Sweet.
Blaka oema	<i>Cordia Aubletii</i> A. DC.
Blaka oema	<i>Cordia graveolens</i> H. B. K.
Blaka tiki ment.	<i>Lippia geminata</i> H. B. K.
Boembi.	<i>Tephrosia toxicaria</i> Pers.
Boenhati mama	<i>Cissus sicyoides</i> Linn.
Boesi aneisie	<i>Piper marginatum</i> Jacq.
Bokkolille	<i>Talinum racemosum</i> (L.) Rohrb.
Bolletrie	<i>Mimusops Balata</i> Gärtn.
Boonkie	<i>Dolichos Lablab</i> Linn.
Bosch banaan	<i>Ravenala guyanensis</i> Bth.
Bosch cacao	<i>Pachira aquatica</i> Aubl.
Bosch-cachou	<i>Curatella americana</i> Linn.
Bosch-kalebas	<i>Couroupita surinamensis</i> Mart.
Boschmammi	<i>Clusia nemorosa</i> G. F. W. Mey.
Boschmarmeldoos	<i>Duroia eriopila</i> Linn. f.
Bosch-papaya	<i>Cecropia</i> .
Bosch tamarinde	<i>Macrolobium acaciaefolium</i> Bth.
Bosch Zuurzak	<i>Anona sphaerocarpa</i> Splitg.
Bradiliefie	<i>Coccoloba latifolia</i> Lam.
Branti maka	<i>Drepanocarpus lunatus</i> G. F. W. Mey.
Broodboom	<i>Artocarpus communis</i> Forst.
Bruinhart	<i>Andira inermis</i> H. B. K.
Buirata	<i>Parinarium campestre</i> Aubl.
Bijlhout.	<i>Eperua falcata</i> Aubl.
	<i>Eperua rubiginosa</i> Miq.
Ceder	<i>Cedrela odorata</i> Linn
Courali.	<i>Tecoma leucoxydon</i> Mart.
	<i>Couralia fluvialis</i> Splitg.
Curaçaosche Mais	<i>Andropogon Sorghum</i> (Linn.) Brot.
Djari bita	<i>Phyllanthus diffusus</i> Klotzsch.
Donkê	<i>Dieffenbachia Seguine</i> Schott.
Druif	<i>Coccoloba uvifera</i> (Linn.) Jacq.
Duivels naaigaren	<i>Quamoclit vulgaris</i> Choisy.
Faja lobbie	<i>Ixora coccinea</i> Linn.
Fibrie wiwirie	<i>Peperomia nummularifolia</i> H. B. K.
Fico fico	<i>Costus cylindricus</i> Jacq.
Finie Bitu.	<i>Phyllanthus Niruri</i> Linn.
	<i>Phyllanthus diffusus</i> Klotzsch.
Flesch kalebas	<i>Lagenaria vulgaris</i> Ser.
Fransche Birambi	<i>Averrhoa Carambola</i> Linn.

Fransi Mopè	<i>Spondias dulcis</i> Forst.
Gado boom	<i>Cassia bacillaris</i> Linn. f.
Gado dede	<i>Commelina nudiflora</i> Linn. <i>Phaeospherion persicariaefolium</i> Clarke.
Gobo Gobo wiwirie	<i>Jacaranda filicifolia</i> D. Don.
Goebai	<i>Jacaranda filicifolia</i> D. Don.
Gogomago	<i>Phytolacca decandra</i> Linn.
Groenhart	<i>Tecoma araliacea</i> P. DC.
Gunapalu	<i>Euphorbia cotinoides</i> Miq.
Hawaja	<i>Protium heptaphyllum</i> (Aubl.) March.
Hoeproe	<i>Copaifera guyanensis</i> Desf.
Iningo	<i>Indigofera Anil</i> Linn.
Injie pina	<i>Iriarteia exorrhiza</i> Mart.
Injie pipa	<i>Couratari guyanensis</i> Aubl.
Injie sopu	<i>Fourcroya gigantea</i> Vent.
Jabba foetoe	<i>Caladium bicoior</i> Vent.
Jacome	<i>Crotalaria stipularia</i> Desv.
Jalimano	<i>Cacoucia coccinea</i> Aubl.
Jasbita	<i>Allamanda Cathartica</i> Linn.
Jakoman sirie	<i>Crotalaria retusa</i> Linn.
Jorka pesi	<i>Cassia occidentalis</i> Linn.
Jorka okro	<i>Hibiscus Abelmoschus</i> Linn.
Jurri jurri	<i>Thevetia neriifolia</i> Juss
Kalebas	<i>Crescentia Cujete</i> Linn.
Kamferblad	<i>Waltheria americana</i> Linn.
Kamferbiaderen	<i>Melampodium camphoratum</i> (Linn. f.) Baker.
Kancelappel	<i>Anona squamosa</i> Linn.
Kankantrie	<i>Ceiba pentandra</i> Gärtn.
Kapellendoos	<i>Pithecoctenium echinatum</i> (Aubl.) K. Schum.
Karagalla	<i>Norantea guyanensis</i> Aubl.
Kasjoe	<i>Anacardium occidentale</i> Linn.
Katjoesi anjalali	<i>Marcgravia coriacea</i> Vahl.
Keesi keesi kam	<i>Pithecoctenium echinatum</i> (Aubl.) K. Schum
Keesi keesi maka	<i>Bactris minax</i> Miq.
Kersenboom	<i>Eugenia uniflora</i> Linn.
Kersenboom	<i>Malpighia puniceifolia</i> Linn.
Kerstmisbloem	<i>Cardiospermum Halicacabum</i> L.
Kienboto	<i>Clusia nemorosa</i> G. F. W. Mey.
Knippen	<i>Melicocca bijuga</i> Linn.
Koemaroe njam njam	<i>Mourera fluviatilis</i> Aubl.
Koenami	<i>Clibadium surinamense</i> Linn.
Koenami	<i>Tephrosia toxicaria</i> Pers.
Koenaparoe	<i>Euphorbia cotinoides</i> Miq.
Koenatjeppi	<i>Matayba camptoneura</i> Radlk.

Koesa	<i>Piptadenia suaveolens</i> Miq.
Koesoewee	<i>Bixa Orellana</i> Linn.
Kokorrodè	<i>Heliotropum indicum</i> Linn.
Komboe	<i>Oenocarpus Bataua</i> Mart.
Koningspalm	<i>Oreodoxa regia</i> H. B. K.
Konsaka wiwirie	<i>Peperomia pellucida</i> H. B. K.
Koorsoe wiwirie	<i>Lantana Camara</i> Linn.
Kopie	<i>Goupia glabra</i> Aubl.
Kowai	<i>Mucuna urens</i> (L.) DC.
Krapata	<i>Ricinus communis</i> Linn.
Kraroen	<i>Amarantus Blitum</i> Linn.
Krassi-wiwirie	<i>Amarantus Blitum</i> Linn.
Krassi wiwirie	<i>Fleurya aestuans</i> (L.) Gaud.
Krekrere	<i>Canna coccinea</i> Ait.
Kremoto	<i>Miconia macrophylla</i> Triana.
Kwalie	<i>Vochysia tetraphylla</i> DC.
Kwassi-bita	<i>Quassia amara</i> Linn.
Kweebie	<i>Couepia glandulosa</i> Miq.
Kwinti	<i>Eryngium foetidum</i> Linn.
Lady slipper.	<i>Stanhopea grandiflora</i> Lindl.
Leguana tere	<i>Acacia paniculata</i> Willd.
Lemmetje	<i>Citrus medica</i> Linn.
Lokus	<i>Hymenaea Courbaril</i> Linn.
Loso wiwirie	<i>Eclipta alba</i> (Linn.) Hassk.
Losau wiwirie	<i>Eryngium foetidum</i> Linn.
Louisa wiwirie	<i>Eclipta alba</i> (Linn.) Hassk.
Maho	<i>Hibiscus tiliaceus</i> Linn.
Mahoni	<i>Swietenia Mahagoni</i> Linn.
Maka kraroen	<i>Amarantus spinosus</i> Linn.
Malva	<i>Waltheria americana</i> Linn.
Mammi,	<i>Mammea americana</i> Linn.
Man ancisie wiwirie	<i>Piper geniculatum</i> Swartz.
	<i>Piper hirsutum</i> Swartz.
	<i>Piper marginatum</i> Jacq.
Man barklak.	<i>Eschweilera longipes</i> Miers.
Man bita	<i>Phyllanthus orbiculatus</i> L. C. Rich.
Mane	<i>Symphonia globulifera</i> Linn.
Mangras	<i>Eleusine indica</i> (Linn) Gärtn.
Manja	<i>Mangifera indica</i> Linn.
Maripa	<i>Maximiliana Maripa</i> Drude.
Marmeldoosje	<i>Randia formosa</i> (Jacq.) K. Schum.
Massoesa	<i>Renealmia exaltata</i> Linn. f.
Matakie-hout.	<i>Caraipa Richardiana</i> Camb.
Matrozendruif	<i>Solanum lanceaefolium</i> Jacq.

Melki wiwirie	<i>Euphorbia thymifolia</i> Burm. <i>Euphorbia adenoptera</i> Bertol.
Melki tetei	<i>Mandevilla scabra</i> (R. et S.) K. Schum.
Mierenhout	<i>Triplaris surinamensis</i> Cham.
Mispel	<i>Miconia macrophylla</i> Triana. <i>Bellucia grossularioides</i> Triana. <i>Loreya mespiloides</i> Miq.
Mokko-mokko	<i>Montrichardia arborescens</i> Schott.
Mopè	<i>Spondias lutea</i> Linn.
Mora	<i>Dimorphandra excelsa</i> (Schomb.) Baill.
Muskus Okro	<i>Hibiscus Abelmoschus</i> Linn.
Napi.	<i>Dioscorea trifida</i> Linn. f.
Nickeri	<i>Caesalpinia Bonducella</i> (L.) Roxb.
Ningo	<i>Indigofera Anil</i> Linn.
Ningre kondre pepre.	<i>Aframomum melegueta</i> K. Schum.
Ningre notto.	<i>Caryocar glabrum</i> (Aubl.) Pers
Njoe fodoc	<i>Cochlospermum Wentii</i> Pulle.
Njoe wintje bobbie	<i>Solanum mammosum</i> Linn.
Nopari	<i>Nopalia coccinellifera</i> Salm-Dijck.
Oeman aneisi wiwirie	<i>Piper marginatum</i> Jacq.
Oeman barklak.	<i>Arrabidaea inaequalis</i> (P. DC.) Baill.
Oeman-pinda.	<i>Desmodium barbatum</i> (L.) Bth.
Okro	<i>Hibiscus esculentus</i> Linn.
Paardengras	<i>Panicum spectabile</i> Nees.
Palaloe.	<i>Heliconia Bihai</i> Linn.
Palisade	<i>Euterpe oleracea</i> Mart.
Palmiet.	<i>Oreodoxa regia</i> H. B. K.
Para gras.	<i>Panicum numidianum</i> Lam.
Paramaka	<i>Astrocaryum Paramaca</i> Mart.
Para Markoesar	<i>Passiflora laurifolia</i> Linn.
Parwa	<i>Avicennia nitida</i> Jacq.
Patata tetei	<i>Ipomoea fastigiata</i> Sweet.
Patawa.	<i>Oenocarpus Bataua</i> Mart.
Pegrekoe	<i>Xylopia frutescens</i> Aubl. <i>Xylopia salicifolia</i> Dun.
Peperwortelboom	<i>Moringa oleifera</i> Lam.
Peru-katoen	<i>Gossypium religiosum</i> Linn.
Pcto.	<i>Dimorphandra excelsa</i> (Schomb.) Baill.
Phoboe.	<i>Saxofridericia aculeata</i> Körn.
Pikien fouroe sopo	<i>Peperomia nummularifolia</i> H. B. K.
Pimpin	<i>Clusia grandiflora</i> Splitg.
Pina.	<i>Euterpe oleracea</i> Mart.
Pinda	<i>Arachis hypogaea</i> Linn.
Pingo maka	<i>Astrocaryum sciophilum</i> (Miq.) Pulle.

Pinja	<i>Miconia holosericea</i> Triana.
Pinja hoedoe.	<i>Vismia cayennensis</i> (L.) Pers.
Pipa tikie.	<i>Mabea Piriri</i> Aubl.
Pisie.	<i>Nectandra globosa</i> (Aubl.) Mez. <i>Nectandra Pichurim</i> (H. B. K.) Mez.
Pomme de Cythère	<i>Spondias dulcis</i> Forst.
Pommercoos	<i>Jambosa vulgaris</i> D. C.
Ponsoe.	<i>Leonotis nepetaefolia</i> R. Br.
Popokaitongo	<i>Heliconia psittacorum</i> Linn. f
Postelein	<i>Talinum racemosum</i> (L.) Rohrb.
Postentrie.	<i>Hura crepitans</i> Linn.
Purperhart	<i>Martusia parvifolia</i> Bth.
Pijlgras.	<i>Gynerium sagittatum</i> (Aubl.) Beauv.
Redi maka kraroen	<i>Amarantus Blitum</i> Linn.
Rooede Walaba	<i>Eperua falcata</i> Aubl.
Reseda.	<i>Lawsonia inermis</i> Linn.
Rosenkwarie.	<i>Parinarium excelsum</i> Sabine.
Roucou.	<i>Bixa Orellana</i> Linn.
Sabana melki wiwirie. . . .	<i>Euphorbia pilulifera</i> Linn.
Sabina bloem	<i>Caesalpinia pulcherrima</i> (L.) Sw.
Sakka sirie	<i>Canna coccinea</i> Ait.
Sangrafoe.	<i>Costus</i> .
Sapodille orchidee	<i>Jonopsis paniculata</i> Lindl.
Sapotille	<i>Achras sapota</i> Linn.
Sasara wiwirie	<i>Cabomba aquatica</i> Aubl.
Schijtnooten	<i>Jatropha Curcas</i> Linn.
Sekrepatoe trapoe.	<i>Bauhinia Outimouta</i> Aubl.
Sergeantsklooten	<i>Henriettea Patrisiana</i> DC.
Sien sien	<i>Mimosa pudica</i> Linn.
Sikwa	<i>Luffa acutangula</i> Roxb.
Sisibie wiwirie	<i>Scoparia dulcis</i> Linn.
Slabriki.	<i>Cassia alata</i> Linn. <i>Cassia reticulata</i> Willd.
Sneki Markoesar	<i>Passiflora foetida</i> Linn.
Sneki wiwirie	<i>Eryngium foetidum</i> Linn.
Sneki taja	<i>Dracontium asperum</i> C. Koch.
Soldatenthee.	<i>Waltheria americana</i> Linn.
Staartgras.	<i>Imperata brasiliensis</i> Trin.
Sterappel	<i>Chrysophyllum Cainito</i> Linn.
Stinkhout	<i>Gustavia augusta</i> Linn.
Swietie ancisi wiwirie . . .	<i>Heckeria peltata</i> (L.) Kth.
Swietie Boonkie.	<i>Inga nobilis</i> Willd. <i>Inga ingoides</i> Willd.
Swietie patata	<i>Ipomoea Batatas</i> (Linn.) Lam.

Swietie sopie wiwirie.	<i>Ipomoea sinuata</i> Ortega.
Swietie watra kraroen	<i>Hydrolea spinosa</i> Linn.
Tafelboom	<i>Cordia tetrandra</i> Aubl.
Tamoe	<i>Nicotiana Tabacum</i> Linn.
Tan pikien so	<i>Piptadenia communis</i> Bth.
Tapocripa.	<i>Genipa americana</i> Linn.
Tas-tikie	<i>Geonoma</i> .
Thoeri	<i>Oenone guyanensis</i> Pulle.
Tiengie menti	<i>Chenopodium ambrosioides</i> Linn.
Tienjie monnie	<i>Protium heptaphyllum</i> (Aubl.) March.
Toriman	<i>Bidens bipinnatus</i> Linn.
Toriman	<i>Caperonia palustris</i> St. Hil.
Tijger parasiet	<i>Oncidium Lanceanum</i> Lindl.
Vétivert	<i>Andropogon squarrosus</i> Linn. f.
Vieruursbloem	<i>Mirabilis Jalapa</i> Linn.
Walaba	<i>Eperua falcata</i> Aubl.
	<i>Eperua rubiginosa</i> Miq.
Wandoe	<i>Cajanus indicus</i> Spreng.
Warimbo	<i>Ischnosiphon gracilis</i> Körn.
Waterdruif	<i>Solanum lanceaefolium</i> Jacq.
Watergroenhart.	<i>Sweetia nitens</i> (Vog.) Bth.
Water Guave	<i>Psidium polycarpon</i> Lamb.
Watra mama bobbie	<i>Gustavia augusta</i> Linn.
Watra sjen sjen	<i>Aeschynomene sensitiva</i> Sw.
Wetie abia	<i>Ipomoea umbellata</i> Meij.
Weti ancisie	<i>Piper marginatum</i> Jacq.
Weti hede	<i>Alternanthera sessilis</i> (L.) R. Br.
Wilkens bita.	<i>Allamanda cathartica</i> Linn.
Wintje Bobbie	<i>Solanum mammosum</i> Linn.
Wonderblad	<i>Bryophyllum calycinum</i> Salisb.
Wonnoe wonnoe	<i>Solanum asperum</i> Vahl.
Wormbast	<i>Andira retusa</i> H. B. K.
Zeedruif	<i>Coccoloba uvifera</i> (Linn.) Jacq.
Zeefkomkommer	<i>Luffa cylindrica</i> Röm.
Zevenjaars boontje	<i>Phaseolus lunatus</i> Linn.
Zoete Cassave	<i>Manihot palmata</i> Müll. arg. var. <i>Aipi</i> Müll. arg.
Zuurzak	<i>Anona muricata</i> Linn.
Zwarte Markoesar.	<i>Passiflora vespertilio</i> Linn.

I N D E X.

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