

as a subgroup under either Chrysophyllum or Pouteria, or as a distinct genus, will continue to be a matter of personal inclination for a considerable time in the future.

THE KNOWN GEOGRAPHIC DISTRIBUTION OF THE MEMBERS OF THE
VERBENACEAE, AVICENNIACEAE, STILBACEAE, SYMPHOREMACEAE, AND
ERIOCAULACEAE, SUPPLEMENT 7, AND MISCELLANEOUS TAXONOMIC NOTES

Harold N. Moldenke

Since the preparation of the sixth supplement to this list, to be published in the proceedings of the fourth centenary celebration of the founding of the Universidad Nacional Autónoma de México, several thousand additional specimens of these groups have been studied, chiefly from the Herbarium Bogoriense at Buitenzorg, the herbarium of the Chicago Natural History Museum, the herbarium of the University of Michigan, the herbarium of the Facultad de Agronomía del Valle [Colombia], the Botanisch Museum en Herbarium at Utrecht, the British Museum (Natural History) at London, the Melbourne Botanic Garden, and the Britton Herbarium of the New York Botanical Garden. This material has brought to light 72 new country or island records and 48 new state, province, or department records, and has revealed the necessity for certain emendations of previously published records. Eight new taxonomic entities are here proposed and described.

MEXICO:

Lantana glandulosissima Hayek [Durango]

Lantana velutina Mart. & Gal. [Durango]

CUBA:

Callicarpa cubensis var. parvifolia Moldenke [Pinar del Río]*

COLOMBIA:

Aegiphila filipes Mart. & Schau. [Cauca]

Aegiphila guianensis Moldenke [Valle del Cauca]

Aegiphila lehmannii Moldenke [Valle del Cauca]

Aegiphila puberulenta Moldenke [Méta]

Citharexylum kunthianum Moldenke [Nariño]

Cornutia odorata var. colombiana Moldenke [Valle del Cauca]

Lantana armata Schau. [Boyacá]

Lantana boyacana Moldenke [Putumayo]

Lantana cujabensis Schau. [Valle del Cauca]

Lantana glandulosissima Hayek [Boyacá & Huila]

Lantana moritziana Otto & Dietr. [Caldas]

Lantana trifolia f. hirsuta Moldenke [Antioquia & Cauca]

Lantana trifolia f. oppositifolia Moldenke [Santander]

Lippia origanoides H.B.K. [Nariño]

Paepalanthus columbiensis Ruhl. [Boyacá]

Paepalanthus ensifolius (H.B.K.) Kunth [Huila]

Paepalanthus fasciculatus (Rottb.) Körn. [Cundinamarca]

Paepalanthus karstenii Ruhl. [Santander del Norte]

Paepalanthus pilosus (H.B.K.) Kunth [Cauca]

ECUADOR:

Duranta triacantha A. L. Juss. [Tunguragua]

PERU:

Aegiphila cuneata var. hirsutissima Moldenke [Loreto]*

Castelia cuneato-ovata Cav. [Ica]

Verbena occulta Moldenke [Cajamarca]

ARGENTINA:

Verbena hookeriana (Covas & Schnack) Moldenke [Chubut]

PORTUGUESE EAST AFRICA:

Vitex patula E. A. Bruce [Mozambique]

UNION OF SOUTH AFRICA:

Vitex patula E. A. Bruce [Transvaal]

INDIA:

Vitex peduncularis Wall. [Sikkim]

BURMA:

Vitex glabrata R. Br. [Upper Burma]

ANDAMAN ISLANDS:

Vitex urceolata C. B. Clarke [South Andaman]

CHINA:

Vitex canescens Kurz [Kwangtung]

Vitex henryi Moldenke [Yunnan]*

Vitex quinata var. puberula (H. J. Lam) Moldenke [Kwangsi]

FORMOSA:

Vitex quinata var. puberula (H. J. Lam) Moldenke

HAINAN ISLAND:

Vitex pierreana Dop -- delete the asterisk

Vitex quinata var. puberula (H. J. Lam) Moldenke

FRENCH INDOCHINA:

Eriocaulon brownianum Mart. [Laos]

Eriocaulon gracile Mart. [Laos]

Eriocaulon hookerianum Stapf [Tonkin]

Eriocaulon sexangulare L. [Laos]

Vitex glabrata var. bombacifolia (Wall.) Moldenke [Cambodia]

Vitex quinata var. puberula (H. J. Lam) Moldenke [Annam & Tonkin]

Vitex vestita Wall. [Laos]

FEDERATED MALAY STATES:

Vitex millsii M. R. Henderson -- to be deleted

Vitex vestita Wall. [Johore, Negri Sembilan, & Pahang]

Vitex vestita f. millsii (Henderson) Moldenke [Pahang]*

PHILIPPINE ISLANDS:

Teijsmanniodendron coriaceum (C. B. Clarke) Kosterm. [Mindanao]

Vitex parviflora var. puberulenta [Luzon]*

Vitex quinata (Lour.) F. N. Will. [Batan]

Vitex quinata var. puberula (H. J. Lam) Moldenke [Leyte & Masbate]

CAROLINE ISLANDS:

Vitex cofassus var. puberula H. J. Lam [Corol]

Vitex quinata (Lour.) F. N. Will. -- to be deleted

Vitex quinata var. puberula (H. J. Lam) Moldenke [Pelew Islands]

LINGGA ARCHIPELAGO:

Vitex vestita Wall. [Lingga]

NIAS ISLAND:

Vitex pinnata L.

SUMATRA:

Vitex altissima var. alata (Willd.) Moldenke

Vitex quinata var. puberula (H. J. Lam) Moldenke

Vitex vestita f. glabrescens Moldenke*

Vitex vestita f. winkleri Moldenke

JAVA:

Vitex altissima var. alata (Willd.) Moldenke

Vitex celebica Koord. -- to be deleted

Vitex cofassus Reinw.

Vitex quinata var. puberula (H. J. Lam) Moldenke

BRITISH NORTH BORNEO:

Teijsmanniodendron coriaceum (C. B. Clarke) Kosterm.

Vitex quinata var. puberula (H. J. Lam) Moldenke

Vitex vestita f. winkleri Moldenke

BORNEO:

Teijsmanniodendron coriaceum (C. B. Clarke) Kosterm.

Vitex glabrata R. Br.

Vitex quinata var. puberula (H. J. Lam) Moldenke

Vitex vestita f. winkleri Moldenke

CELEBES:

Teijsmanniodendron coriaceum (C. B. Clarke) Kosterm.

Vitex celebica Koord. -- to be deleted

Vitex cofassus f. anomala Moldenke

Vitex minahassae Koord. -- to be deleted

Vitex quinata var. puberula (H. J. Lam) Moldenke

MOENA ISLAND:

Vitex cofassus Reinw.

Vitex quinata (Lour.) F. N. Will.

KANGAEAN ARCHIPELAGO:

Vitex glabrata R. Br. [Eteng & Kangean]

LESSER SUNDA ISLANDS:

Vitex cofassus Reinw. [Buton]Vitex glabrata R. Br. [Bali]Vitex vestita Wall. [Muntok & Timor]

MOLUCCA ISLANDS:

Vitex cofassus Reinw. [Amboina, Buru, Mangole, Morotai, Sana-na, Sula, & Soelabesi]Vitex cofassus f. anomala Moldenke [Buru]Vitex glabrata R. Br. [Mangole & Tanimber Islands]Vitex quinata var. puberula (H. J. Lam) Moldenke [Batjan, Buru, Halmahera, Morotai, Obi, & Soelabesi]

NEW GUINEA:

Vitex cofassus var. puberula H. J. Lam -- delete the asteriskVitex quinata var. puberula (H. J. Lam) Moldenke [Dutch New Guinea]

AROE ISLANDS:

Vitex cofassus Reinw.Vitex quinata var. puberula (H. J. Lam) Moldenke [Oedjir]

HAWAIIAN ISLANDS:

Vitex parviflora A. L. Juss. [Oahu]

BISMARCK ARCHIPELAGO:

Vitex cofassus var. puberula H. J. Lam [New Ireland]

FIJI ISLANDS:

Vitex quinata (Lour.) F. N. Will. -- to be deletedVitex quinata var. puberula (H. J. Lam) Moldenke [Viti Levu]

CULTIVATED:

Lippia alba (Mill.) N. E. Br. [Colombia]Vitex altissima L. f. [Java]Vitex cofassus f. anomala Moldenke [Java]Vitex glabrata R. Br. [Java]Vitex quinata var. puberula (H. J. Lam) Moldenke [Java]Vitex vestita Wall. [Java]

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CALLICARPA CUBENSIS var. PARVIFLORA Moldenke, var. nov.

Haec varietas a forma typica speciei recedit laminis foliorum multo parvioribus angustioribusque.

This variety differs from the typical form of the species in having its leaf-blades much smaller and narrower, 1.2--2.7 cm. long and 5--10 mm. wide when mature.

The type of the variety was collected by my good friends and colleagues, Dr. Julian B. Acuña y Galé and Dr. Juan T. Roig (no. 16765), at La Cajalbana, La Palma, Pinar del Río, Cuba, on

March 8, 1951, and is deposited in the Britton Herbarium at the New York Botanical Garden.

VITEX COFASSUS f. ANOMALA Moldenke, f. nov.

Haec forma a forma typica speciei recedit foliis saepe 2-vel 3-foliolatis, 2-vel 3-partitis, vel 2-vel 3-lobatis.

This form differs from the typical form of the species in having many of its leaves 2- or 3-foliolate, 2- or 3-parted, or 2- or 3-lobed even at maturity on flowering specimens.

The type of the form is Boschproefstation BB.8579, collected at Tanaberoe, altitude about 5 m., Boeloekoemba, Celebes, on January 12, 1935, and is deposited in the herbarium of the Botanisch Museum at Utrecht.

VITEX HENRYI Moldenke, sp. nov.

Arbor; ramulis tetragonis minute puberulis; foliis 3-vel 5-foliolatis; petiolis petiolulisque minute puberulis; laminis firme chartaceis brunnescentibus ellipticis vel oblanceolato-obovatis longe acuminatis vel caudatis integris ad basim acutis utrinque glabratibus; inflorescentiis terminalibus paniculatis multifloris dense puberulis; calyce campanulato dense puberulento minute 5-apiculato.

Tree, 6--10 m. tall; branchlets slender, tetragonal, often somewhat compressed, minutely puberulent, brownish; nodes not plainly annulate; uppermost internodes about 5 cm. long; leaves decussate-opposite, 3- or 5-foliolate; petioles slender, 5--11.5 cm. long, very minutely puberulent; petiolules slender, the outermost 2--3 mm. long, the inner ones to 3.3 cm. long, very minutely puberulent or subglabrescent in age, flattened above; leaflet-blades firmly chartaceous, brunnescent in drying, elliptic or oblanceolate-obovate, 7--23 cm. long, 2.5--8.5 cm. wide, long-acuminate or caudate at the apex, entire, acute and sometimes slightly asymmetric at the base, practically glabrous on both surfaces; midrib very slightly prominulous above or plane, prominent beneath; secondaries slender, 9--12 per side, arcuate-ascending, plane or very slightly subimpressed above, sharply prominent beneath, indistinctly anastomosing at the margins; veinlet reticulation rather abundant, slightly subimpressed above, prominulous beneath; inflorescence terminal, paniculate, 15--35 cm. long, 7--19 cm. wide, composed of 5--9 many-flowered branches, the lowermost pair axillary in the axils of the uppermost leaves; rachis and inflorescence-branches tetragonal, usually sulcate, minutely but densely puberulent, nigrescent; pedicels very slender, 1--3 mm. long, densely puberulent; bracts, bractlets, and prophylla absent or caducous; calyx campanulate, 2--3 mm. long and wide, densely puberulent, its rim subtruncate, minutely 5-apiculate; corolla hypocrateriform, its tube 4--5 mm. long, densely short-pubescent outside with yellowish hairs, its limb about 6 mm. wide, the lobes

blunt, densely yellowish short-pubescent on the back; stamens short-exserted; fruiting-calyx incrassate, patelliform, 6--7 mm. wide, 5-lobed, striate-veined, lightly and obscurely puberulent on the outside, the lobes 1--1.5 mm. long, rounded; fruit drupaceous, fleshy, subglobose, to about 7 mm. long and wide when dried, wrinkled, glabrous.

The type of this species was collected by Augustin Henry (no. 12638) at Szemeo, Yunnan, China, before the year 1901, and is deposited in the Britton Herbarium at the New York Botanical Garden.

VITEX PARVIFLORA var. *PUBERULENTA* Moldenke, var. nov.

Haec varietas a forma typica speciei recedit laminis foliorum subtus in costa et venis secundariis dense puberulis et inflorescentiisque dense flavescenti-pubescentibus.

This variety differs from the typical form of the species in having the leaflets decidedly puberulent on the midrib and secondaries beneath and the inflorescence densely flavescent-pubescent throughout.

The type of the variety was collected by L. Mangubat [Herb. Philipp. Bur. Sci. 1361] at Mendez Nufiez in the province of Cavite, Luzon, Philippine Islands, in August, 1906, and is deposited in the Herbarium Bogoriense at Buitenzorg.

VITEX QUINATA var. *PUBERULA* (H. J. Lam) Moldenke, comb. nov.

Vitex heterophylla var. *puberula* H. J. Lam, Verbenac. Malay Arch. 189 [as "(Miq.) H. J. Lam" in error]. 1919.

VITEX VESTITA f. *GLABRESCENS* Moldenke, f. nov.

Haec forma a forma typica speciei recedit laminis foliorum subtus petiolisque ramulisque inflorescentiisque glabris vel subglabrescentibus.

This form differs from the typical form of the species in having the lower leaf-surfaces, petioles, branchlets, and inflorescences glabrous or subglabrescent.

The type of the form was collected by Rahmat Si Toroes (no. 4698) along the Aek Roppak, near Hoeta Imbaroe (topographic sheet 41, northwest quarter), subdivision Padang Lawas, division Padang Si Dimpoean, Tapianoei, Sumatra, between June 22 and 30, 1933, and is deposited in the Britton Herbarium at the New York Botanical Garden.

VITEX VESTITA f. *MILLSII* (Henderson) Moldenke, comb. nov.

Vitex millsii Henderson, Journ. Asiat. Soc. Malaya 5: 262. 1927.

VITEX VESTITA f. *WINKLERI* Moldenke, f. nov.

Haec forma a forma typica speciei recedit laminis foliorum

subtus petiolisque ramulisque inflorescentiisque parce puberulis.

This form differs from the typical form of the species in having its lower leaf-surfaces, petioles, branchlets, and inflorescences merely finely puberulous.

The type of the form was collected by Hubert Winkler (no. 2433) -- in whose honor it is named -- in southeastern Borneo on June 13, 1908, and is sheet no. 25401 in the Herbarium Bogorensis at Buitenzorg.

DR. GLEASON RETIRES

It is with deep regret that we announce the retirement of Dr. Henry A. Gleason as co-editor of PHYTOLOGIA. It was Dr. Gleason who, in the autumn of 1933, when all the leading botanical journals of the country were not only many months, but in some cases several years behind in the publication of papers accepted by their editorial committees, conceived the idea of a new journal to expedite botanical publication. With the assistance of the present writer, Dr. Gleason made all the necessary preliminary arrangements with Edwards Brothers, in Ann Arbor, Michigan, for the publication of a journal by the then quite new photo-offset process. The present writer suggested the name, PHYTOLOGIA, to indicate that the pages of the journal would be open to papers on all phases of plant science, and the first number was issued on December 4 of that year. This number consisted of botanical contributions by N. L. Britton, H. A. Gleason, E. P. Killip, C. V. Morton, A. C. Smith, and the present writer.

From that time on, and up to May, 1951, Dr. Gleason remained the very efficient co-editor and co-publisher of our journal, actively publicizing its advantages to botanists, aiding in increasing the subscription list, giving copious advice and help in editorial matters, and contributing frequent scientific papers.

We are extremely sorry that because of his retirement from the staff of the New York Botanical Garden, where he served so long and well, Dr. Gleason has felt it necessary to resign from so many of his other official positions and activities as well. We wish for him still many years of a rich, full life, and we look forward to many botanical contributions to our pages from him in the years to come.

H. N. Moldenke



Moldenke, Harold N. 1951. "The known geographic distribution of the members of the Verbenaceae, Avicenniaceae, Stilbaceae, Symphoremaceae, and Eriocaulaceae. Supplement 7, and miscellaneous taxonomic notes." *Phytologia* 3(9), 484–490.

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