

X. ANNOTATED PHYTO-TAXONOMICAL & PHYTO-GEOGRAPHICAL
PUBLICATIONS ON OR OF IMPORTANCE TO THE MALAYSIAN FLORA

(cntd. from p.52)

Alde, F., A.Gacili & R.J.Cochico: Jatropha curcas L. (tuba) as a source of natural dye. (Philip.J.Sc.77 (1947) 55-60).

Anonymus: Bosbouw op Ceram. (Forestry in Ceram Island, Moluccas) (Econ.Weekblad v.Ned.Ind. 1947, no. 14).

Baas Becking, L.G.M.: Note on the endophyte of Gunnera macrophylla Bl. (Biol.Jaarb.(Dodonaea) 14 (1947) 93-96, 1 pl.).

Record of the peculiar symbiosis of Gunnera with Nostoc gunnerae Reinke; specially regarding the relation between the algal aggregates with the stem roots; the idea is advanced that the symbiosis is obligatory.

Bailey, L.J.: The palm herbarium. (Gentes Herbarium 7 (1946) 151-180, 6 fig.).

The need is emphasized of herbarium specimens adequate for exhibiting essential characters of the plant. In palmssuch specimens are difficult to make. The author's practice both in the field and in the herbarium is described. Additional matters discussed are capitalization of species names, use of a comma between species name and name of author of the binomial, and use of varietal designations such as *typica*, *genuina*, etc. There is a glossary of terms employed in literature on palms.

- Beekman, H.A.J.M.: Boschbeschadiging en boschbescherming in Indonesië. (Forest destruction and forest preservation in Indonesia). Fonds Landbouw Export Bur. 1916-1918. Wageningen 1947, no.30. 164 pp.
- Beumée, J.G.B.: Hoe het groeide. Openbare les gehouden bij de aanvaarding van het ambt van lector aan de Landbouwhoogeschool te Wageningen op 24 Nov.1947. Wageningen 17 pp. (in Dutch). (Inaugural address as a lecturer in botany in the Agricultural College, Wageningen). View on the history of the development of taxonomical knowledge of the Netherlands Indies. Botryophora kingii HOOK.f. was described from Sumatra under the name Sterculia geniculata MIQ.
- Bosch, E.: Blütenmorphologische und Zytologische Untersuchungen an Palmen. (Ber.Schweiz.Bot.Ges. 57 (1947) 37-100). Mostly based on material of the Bot.Gard.Buitenzorg and Ceylon collected formerly by Dr and Mrs Ernst, of Zürich.
- Bruyn, J.V.de: Rond de Wisselmeren. Kol.Tijdschr. 30 (1941) 337-352. (Round the Wissel Lakes, W.New Guinea).
- Bünning, E.: In den Wäldern Nordsumatras. Reisebuch eines Biologen. Ferd.Dümmlers Verlag.Bonn, 1947, 187 pp. 27 fig. 128 fotogr. Account of a travelling professor of Botany at Tübingen, in N Sumatra, June 1938 - July 1939, after his research work in the Buitenzorg Botanic Gardens. Quite a number of field observations are made with a very limited supply of instruments, on the ecology of vegetation types. Further observations were made on a number of special plants (Rafflesia etc.). Matonia pectinata is figured from central Sumatra. A bibliography and photographs (many have been made in Java) which are unfortunately not very well reproduced, are added. The author visited next to Sumatra the islands of Nias, Banjak Isl. and Simaloer.
- Chatterjee, D.: Botany of the wild and cultivated rices. (Nature 160 (1947) 234). General survey of the wild species of Oryza.
- Chenery, E.M.: Aluminium in trees. (Empire Forestry Review 25 (1946) 255).

It was found that representatives of the following genera may possess Al-compounds: Chasalia, Saproosma, Melastoma, Eurya, Kibara, Camellia, Schima, Aporosa, Baccaurea, Osbeckia. - As Dr H.Hallier formerly pointed out the leaves of Al-spp. are discoloured in the herbarium, often turning yellow.

Douglas, E. and L.G.M.Baas Becking: Contribuciones historiae horti bogoriensis I. Old trees in the Buitenzorg Botanic Gardens (Bull.Bot.Gard.Btzg.III, 17 (1947) 279-308, pl. 4-13).

An introduction to the periods of introduction of plants into the Gardens. The authors met with great difficulties in correlating the former catalogues with the present numbers; the history of 159 species is traced and a list is given of their present names, former names, present catalogue numbers, dimensions, origin and natives' names. Several type specimens were located.

Grassl, C.O.: Saccharum robustum and other wild relatives of "noble" sugar canes. (Journ. Arn. Arb. 27 (1946) 234-251).

Description of Saccharum robustum Brandes & Jeswiet, n.sp., records of S.spontaneum and Erianthus maximus Brongn. from New Guinea, Fiji &c. with ample discussions.

Henderson, M.R.: New species of Eugenia Linn. (The Gard. Bull. S'pore 11 (1947) 299-338, 18 fig.).

Anticipating a critical review of all Malayan spp. 18 new spp. are described, all are figured. All belong to subgenus Syzygium. A new section Fissicalyx is proposed to include two species in which the calyx tube splits lengthwise into lobes.

Holttum, R.E.: A revised classification of the Leptosporangiate ferns (Journ.Linn.Soc. 53 (1947) 123-158).

Principally based on his studies on Malayan Pteridophytes this important contribution to the classification divides Polypodiaceae s.ampl. into 5 families viz Polypodiaceae s.str., Grammitidaceae, Thelypteridaceae, Dennstaedtiaceae and Adiantaceae. It is beyond the scope of this bulletin to discuss further the demarcation of genera and their supposed alliancesships.

Holttum, E.E.: The Malayan slipper orchids. (Malayan Nature Journ. 2 (1947) 1-7, 2 figs).

Key and description of the five species of Paphiopedilum in Malaya.

Holttum, R.E.: New species of vascular plants from the Malay Peninsula (The Gard.Bull.S'pore, 11 (1947) 267-298).
New species in the Filicales (Schizaea, Phymatodes, Grammitis, Ctenopteris, Thelypteris, Cyclosorus, Elaphoglossum, Bolbitis, Dryopteris, Athyrium, Taenitis, Vittaria), the Orchidaceae (Acriopsis, Anoectochilus, Ascocentrum, Bulbophyllum, Calanthe, Camarotis, Coelogyne, Corybas, Cystopus, Cystorchis, Dendrobium, Dendrochilum, Eria, Habenaria, Liparis, Malaxis, Malleola, Oberonia, Octarrhena, Pennilabium, Phaius, Phalaenopsis, Pholidota, Pomatocalpa, Rhynchostylis, Sarcanthus, Sarcochilus, Thrixspermum, Trichoglottis, Uncifera), Cyperaceae (Mapania, Scleria, Diplacrum), and Gramineae (Dendrocalamus, Schizostachyum, Spodiopogon, Chrysopogon, Rottboellia).

Kajewski, S.F.: Plant collecting in the Solomon Islands (Journ.Arn.Arb.27 (1946) 292-304, 3 fig.).
Interesting for several physiognomical remarks, also notes on food plants and ethno-botany, Author's stay was in 1930-1931.

Kobuski, Cl.E.: Studies in the Theaceae XV. A review of the genus Adinandra. (Journ.Arn.Arb. 28 (1947) 1-98).
70 spp. are recognized. They are geographically arranged in groups for which separate keys are given.

Lam, H.J.: Verslag van de Directeur, Rijksherbarium, Leiden. 1 Sept. 1946 - 31 Aug. 1947. Mimeograph, 23 pp. (1947).
Yearly report on the Rijksherbarium, its library, collections and personnel.

Langdon, L.Mary: The comparative morphology of the Fagaceae I. Nothofagus. (Bot.Gazette 108 (1947) 350-371, 37 fig.)
Incl. research on the new species, yet unnamed, collected by L.J.Brass in New Guinea.

MacDaniels, L.H.: A study of the Fe'i Banana and its distribution with reference to Polynesian migrations (Bern. P. Bishop Mus.Bull. 190 (1947) 56 pp. 10 pl.
Discusses Musa troglodytarum L. which also occurs in the Moluccas; key to the varieties in Haiti, Fiji, N.Caledonia, N.Hebr.& Solomons.

Mohr, J.C.van der: Nieuwe gegevens over de verspreiding van een 3-tal plantensoorten op de Oostkust van Sumatra (Chron.Bot.103 (1947) 165. (New data on the spreading of 3 plants species on the Eastcoast of Sumatra).

Euphorbia geniculata Ort., Mimosa asperata L., Eupatorium odoratum L. are naturalized on the Eastcoast of Sumatra Res.

Ohwi, J.: New or noteworthy grasses from Asia (Bull. Tokyo Science Museum no 18 (1947) 1-15.).
New species, varieties and combinations of 72 entities of grasses of Malaysia (not Asia) incl. one new sp. from Kwantung, apparently an abstract from the enumeration of Malaysian grasses compiled by the author in Java during the war.

Ohwi, J.: A new combination in Pueraria (Tokyo Sc. Mus. no. 18 (1947) 16). - Pueraria lobata (Willd.) Ohwi (syn. D. trilobus (non L.) Houtt.).

Philips, E.A.: Two species of moss collected on Southern Samar, Philippine Islands (Bryologist 50 (1947) 167).

Pichon, M.: Classification des Apocynacées III. Ochrosia. (Bull. Hist. Nat. sér. II, 19 (1947) 205-212).
Sections and series are distinguished. No keys.

Quisumbing, E.: Studies on Phalaenopsis III. Ph. equestris (Schau.) Rchb. f., P. lindenii Loher, P. luëddemanniana Rchb. f., P. mariae Burb. and Ph. micholitzii Rolfe (Philip. J. Sc. 77 (1947) 1-18, 5 pl.).
Descriptions, figures and keys to the species of this group.

Reeder, J.R.: Notes on Papuasian Saxifragaceae (Journ. Arn. Arbor. 27 (1946) 275-288).
11 new spp. are described, in Carpodetus (3), Quintinia (2), Polyosma (6). Some species described in Argyrocalyrna are reduced to Carpodetus.

Riesenfeld, A.: Who are the Betel people? (Int. Arch. f. Ethnogr. 45 (1947) 157-215).

Selling, Olof H.: Studies in Hawaiian pollen statistics part II. The pollens of the Hawaiian Phanerogams (Bern. P. Bishop Mus. Spec. Publ. no. 38 (1947) 430 pp. 58 pl.).
Very useful also for Malaysian plants most families being represented by pictures.

Shaw, H.K.Airy: Gonystylus aegescens Ridl., Amyxa pluricornis (Radlk.) Domke (Hook.Icon.Plant. 35 (1947) t. 3474 - 3475).

The first-named species is placed in a separate section of Gonystylus, sect Auxanthus Shaw. Both spp. are native to Borneo.

Slooff, W.Ch., T.H.Thung & J.Reitsma: Leaf diseases of sereh (Andropogon nardus L.) (Chronica Naturea (Batavia) 103 (1947) 137-139, 2 fig.).

Contains a description of Curvularia andropogonis (Zimmermann) Boedijn.

Steenis, C.G.G.J.van: Tertiary fossil wood from the islands Soemba and Soembawa, and its genetic-plant-geographical significance (Chron.Natur.103 (1947) 237-239).

Record of fossil wood the study of which may give a clue to the former climate of these islands in connection with the present distribution of drought loving plants.

Steenis, C.G.G.J.van: Notes on a number of New Guinean species (Journ.Arn.Arb.28 (1947) 419-423).

Records of Aponogeton loriae, Triglochin procera var. dubia, Monochoria hastata, Helmholtzia novoguineensis, Philydrum lanuginosum, Haemodorum coccineum, Drosera indica and D. spathulata, Torrenticola queenslandica, Corynocarpus australasica, Stackhousia intermedia, Sarcopteryx coriacea, Papuodendron lepidotum, Camptostemon philippinensis, Bruinsmia styracoides, Styrex agrestis, Symplocos confusa and Neosepicaea viticoides.

Steenis, C.G.G.J.van: Dr Anton Rant. In Memoriam. (Bull.Bot. Gard. Btzg.III, 17 (1947) 273-278, portr.bibl.).

Short sketch of the life of Dr A.Rant, with portrait and bibliography.

Steenis, C.G.G.J.van: Hoofddlijnen van de plantengeografie van de Indische Archipel op grond van de verspreiding der Phanerogamen geslachten. (Tijdschr.Kon.Ned.Aardr.Genootschap 65 (1948) 193-208, 7 maps).

Delimitation of the plant-geographic unit 'Malaysia' against the Asiatic and Australian continents and subdivisions within Malaysia, on the basis of the statistics of the geographical distribution of the genera of Phanerogams. 2178 in all. The genera are divided into 5 types, depending on the situation of their centre of distribution.

- Steere, W.C.: Bryological collecting during World War II
(Bryologist 50 (1947) 150-157).
- Taft, Cl.E.: Spirogyra hollandia, a new species from New Guinea
(Ohio Journ.Sc. 47 (1947) 173).
- Tubaugui, M.A. & M.Basaca, Note on the anthelmintic properties
of the latex of Papaya (Carica papaya L.) and of "Isis"
(Ficus ulmifolia Lamk.) (Philip.J.Sc. 77 (1947) 19-24).
- Wagner, W.H.: Tree-climbing Gleichenia's (Amer.Fern.Journ. 37
(1947) 90-95).
- White, C.T.: Botanizing in the British Solomon Islands
(Austral.J.Sc. 9 (1946) 62-64).
Concise physiognomical remarks on the vegetation made
during a collecting trip in 1945.
- White, C.T.: Papuodendron, a new genus of arborescent Malvaceae
from New Guinea. (Journ.Arn.Arbor. 27 (1946) 272-274,
pl. 1).
Nearest allied to Camptostemon; both genera belong to
Malvaceae rather than to Bombacaceae.
- Williams, L.O.: Orchidaceae Novae Guineae I. (Bot.Mus.Leaf.
Harv.Univ. 12, no. 5 (1946) 149-172, pl. 21-23).
A first instalment on the identification of the Orchid-
aceae collected by Mr L.J.Brass on the 3rd Archbold
exp. 1936-7 and by Mrs Clemens 1940-41. Includes new spp.
or new comb. in Paphiopedilum, Pterostylis, Calochilus,
Drakaea, Erythrodes, Malaxis, Dendrobium, Calanthe,
Pedilochilus, Bulbophyllum, Chitonanthera, Preatia, and
Arachnis. Several remarks on generic delimitation.
Calochilus and Drakaea, both Australian-centred genera
are recorded from Malaysia for the first time.
- Williams, L.O.: Notes on the family Corsiaceae (Bot.Mus.Leaf.
Harv. Univ. 12, no. 5 (1946) 179-182, pl. 24).
Two new spp. of Corsia, collected by Brass in New Guinea.
- Wit, H.C.D.de: Revision of the genus Koompassia (Legum.-Caes.).
(Bull.Bot.Gard.Btzg. III, 17 (1947) 309-322, 1 fig.).
Exhaustive treatment of the genus, with descriptions,
key, literature and enumeration of specimens.

Wit, H.C.D.de: A revision of the genus Eurya (Theac.) in the Malay Archipelago (incl. New Guinea). (Bull. Bot. Gard. Btzg. III, 17 (1947) 329-375, 5 fig.).
Revision of the Buitenzorg material on the basis of Kobuski's publications, with a key to the species; 4 new spp. are described; in all 33 spp. are recognized. The spp. of the Malay Peninsula and Philippine Isl. are not included.

Wit, H.C.de: Endertia van Steenis & de Wit. A new leguminous genus from Borneo (Legum. Caes.). (Bull. Bot. Gard. Btzg. III, 17 (1947) 323-327, 1 fig.).
A monotypic arboreous genus of African affinity most probably belonging in the Amherstieae in the neighbourhood of Cryptosepalum. It is cultivated in the Botanic Gardens at Buitenzorg and named after Dr F.H. Endert, in appreciation of his contributions to the knowledge of Malaysian forest trees.