ANOTATED LIST OF PHYTO-TAXONOMICAL AND PHYTO-GEOGRAPHICAL PUBLICATIONS ON OR OF IMPORTANCE TO THE MALAYSIAN REGION.

(cntd from p. 180)


Anonymous: (Both the entries sub Anonymous on p. 169 of this Bulletin were published anonymously but are referable to Hildebrand F. H.).


------: Pacific periodicals survey. (Ditto Bull. No 4, 1950, 94 pp.) Attempt towards a bibliography of periodicals of all countries bordering the western and southern Pacific. Very incomplete.

------: Postwar Scientific bibliography. (Ditto Bull., No 5, 1949, 38 pp.).
References for pure and applied science. Items arranged to decimal system. Dutch titles all translated into English.

---


---


Valuable compilation of literature and considerations on the importance of hybridization for taxonomy, ecology, and evolution.


---


Australasian Herbarium News No 6, March 1950 (not April 1949).
Contains the first installment of a biography of L. Rodway (Tasmanian Gov. Botanist), a note on the Herbarium of the Botany School, Univ. of Sydney, a list of the activities of various Australian taxonomists, and many other interesting data.

Of the 21 proposed new spp. by Thunberg the type specimens of 19 could be located and their names reduced; 3 new combinations are necessary.

---

Contains a study on Royal Palms.


Bakhuizea van den Brink, R. C.: see sub Backer C. A.

-------: Notes on the flora of Java VI (Blumea 6, 1950, 363-406).
Treatments of Javan families belonging to Backer's mimeographed Dutch edition of the flora of Java; notes on Urticaeae (Elatostema 1 new sp.), Connaraceae, Rutaceae (Pagara 3 new sp.), Araliaceae (1 new comb. in Boerlagiodendron), Asclepiadaceae (Cynanchum 1, Toxocarpus 1, Tylophora 3, Dischidia 2, Hoya 4 new spp.; Heynella nov. gen. in Marsdenia aff. Stephanotis), Loganiaceae (Fagraea 1 new sp.), Oleacaeae, Apocynaceae (Alyxia 2 new spp. Grisseea nov. gen. in the Parsonsiaceae, Orobanchaceae, Gesneriaceae (Cytandra 2 new spp.), Commelinaceae, Flagellariaceae, and Smilacaceae.
Many critical notes; an index of the names.


All ovaries are open in the original vegetation point, this disappears later leaving the style canal; study on Reseda.

Highly interesting account of the effects of grazing and subsequent erosion in connexion with rainfall and soil structures. The outcome of many years of research and field work in semi-arid country.

A very important modern compilation of Indonesian geology.

Important key for identifying woods of Malaysia by the late Director of the Forest Research Station at Buitenzorg, edited by Mrs Dr C. Reinders - Gouwentak, who added some intro-
Methods of tapping Styrax in N. Sumatra.

A comprehensive study including a literature and a check list.

Catalogue of Indian Myxophyceae (blue-green algae), Chlorophyceae (green algae), Xanthophyceae (yellow-green algae), and Bacillariophyceae (diatoms) (Rec. Bot. Survey India 15, 1949, iii + 169 pp.). With lit. reference; dedicated to the late Miss Biswas.

Biswas, K.: Common Fresh & Brackish Water Algal Flora of India & Burma: Catalogue of Indian Myxophyceae (blue-green algae), Chlorophyceae (green algae), Xanthophyceae (yellow-green algae), and Bacillariophyceae (diatoms).


New spp. in Araucaria, Acroptyle, Podocarpus, and Libocedrus.


Of Malaysian plants Ixonanthus reticulata Jack, Endospermum malayanum (R. & W.) comb. nov., and E. peltatum Merr. are recorded for continental Asia.

Cheesman, E. E.: Classification of the bananas III. Critical notes on

M. fehi from Fiji, M. peekeltii from the Bismarcks.


With keys to the species; few new combinations.


Exhaustive and most instructive treatment of Annonaceous embryology.


Data on Nothofagus.


A map of the distribution of Matonia pectinata; Adactylus brunonis (Griff.) Cretz., nov. comb. (= Apostasia brunonis) and Adactylus ellipticus (J. J. Sm.) Cretz.

Cummins, G. R.: The genus Scopella of the Uredinales. (Bull. Torrey
Bot. Club 77, 1950, 204-211).
13 spp. are distinguished, incl. S. payense (Racib.) Cumm. a new combination from Java.

Curtis, Ch. H.: Orchids. Their description and cultivation. (Putnam & Cy., Ltd, London, 1950, 288 pp.; 30 col. plates; 48 ill.). 'Mr Curtis deals with all the beautiful Orchids of horticultural interest, and also others that are of special botanical interest.' 'Contains the most extensive Orchid bibliography yet published.' (Quotations from the Prospectus; work not seen).

Danser, B. H.: A theory of systematics. (Bibl. Biotheor. 4, pars 3, 1950, 117-180). General considerations on systematics, after a MS. left by the author, published by Miss Andreas and Miss Schotsman. In concise form the author's views are given, including a definition and limitation of systematics, the structure of the typological system, the syngameontic system of species and varieties, the explanation of the system, and the significance of some other branches of science for systematics.

Degener, O.: Naturalist's South Pacific Expedition: Fiji. (1949). The cruise of the "Cheng Ho" (Archbold sponsored), to Fiji. Illustrated narrative; some botanical interest.


B. indica (Starkey & D.) Derx comb. nov. (formerly in Azotobacter).


Docters van Leeuwen, W. M.: Mierenplanten en plantenmieren. (Amsterdam, 1950, 15 pp.). Address delivered when retiring from the Chair of Tropical Botany (sponsored by the Indisch Instituut in the University of Amsterdam). Relations between ants and plants, results of prolonged personal observations.

Illustrated and with a Spanish translation. Confirms the observations made in Malaysia and adds some new data.

General outline of pollen research in various parts of the world. Some remarks of interest to Malaysia.


Obituary of an eminent student of Pteridophytes.


Gallom, C. le: Pierre Alorge, Un savant bryologique et algologue. (Nat. Canada 76, 1949, 229-241; portr.).
Obituary.


Gäumann, E.: Die Pilze (Basel, 1949, 384 pp.).

Bibliography.
Contains sketches of vegetation, maps and bibliography.


Skottsberg's collection, made on occasion of the 7th Pan-Pacific Science Congress at Noumea (1949) named and listed.

Annotated check list.

Descriptions of G. measuresianum Weathers and G. scriptum (L.) Bl.


The first part (Polypetalae) of a useful book (popular) on the smaller plants of Malaya to be used in addition to that on arboresal species (by Corner, Wayside Trees). It contains keys to families, genera, and species.

Heyne, K.: De nuttige planten van Indonesië. A revised and enlarged reprint of De nuttige planten van Nederlandsch-Indië, which has been brought up to date as regards spelling and style.

Hildebrand, F. H.: see sub Anonymous.


List of tree species collected in Benkulen. Before the war (1942) lists of the forest trees of Manado, Bali & Lombok, Timor, Celebes (1940), Moluccas, New Guinea, Sampit, Atchin, parts of E. Borneo and W. Borneo (1941), were published. Now the issue of the lists of the tree specimens present at Bo-
gor (Buitenzorg) in the Forest Research Station, is continued:

----------: Aanvulling op de boomnamenlijst van Kapuas-Barito (Zuid-Borneo). Issued Dec. 1949;
Supplement to the list of tree names of Kapuas-Barito:

----------: Aanvulling op de boomnamenlijst van Banjermasin en Hulu Sungei (SE Borneo). Issued Dec. 1949;
Supplement to the list of tree names of Banjermasin and Hulu Sungei (SE Borneo):


Data on the nature reserve Udjing Kulon, SW Java, with description of the system of guarding it, before the war.

Hoof, H. A. van: A new species of Colletotrichum (Fungi imperfecti).
Description of C. derridis Van Hoof n. sp. on Derris elliptica Bth from Java; also reported from Celebes.

Dating the period of migration of the so-called Malayan element into the fauna of Peninsular India.

Ecology and morphology of (tropical) epiphytes.


Wood characters in species of large genera are generally very variable.

The vessels in the wood of Javan mangrove trees. (Blumea 6, 1950, 465-469).
There is a remarkable increase in all mangrove trees in the number and the total area of the vessels in the wood as compared with allied species or genera not occurring on saline soils suggesting a larger transpiration.

Wood-anatomy and relationship. Taxonomic notes in connection with the key to the Javanese woods. (Blumea 6, 1950, 408-461).
Notes on relationship in a wood-anatomical sense derived from a study of a German written key to the species treated in the Mikrographie des Holzes. (1940). Though the key is based on artificial characters, the relationships are derived from it, affecting many families. Added is an Index to the names.

Kalshoven, L. G. E.: De plagen van de cultuurgewassen in Indonesië I. (Febr. 1950).
In collaboration with J. van der Vecht.

An illustrated account; some new species.

Pandanus pungens nov. sp. described and pictured; a list of Sumatran Pandanus added.

Some new species. Rather better illustrated than the majority of the articles in this periodical.


Of interest to the geological past of Malaysia.
C. melo and C. sativus with varieties.

Obituary.

General information.

Koster, J. Th. & Philipson, W. R.: Nomenclatural changes in Spilanthes and Blainvillea, with remarks and a key to the species of Spilanthes in the Malay Archipelago. (Blumea 6, 1950, 349 - 354; 3 fig.).
Clears the confusion round Verbesina pseudo-acmella and V. acmella of Linnaeus, with a preliminary key to the spp. of Spilanthes of Malaysia.

Survey work South of Manokwari.

Reisverslag Morotai 8 April - 6 Juni 1949. (Mimeograph issued by Forest Res. Inst., Bogor, 27 pp.).
The report is provisional, a definite report is to follow.
It seems that Kostermans's collections were destroyed at Makassar.

New species described in Inocarpus, Koompassia, and Endiandra; various species in Cryptocarya, Beilschmiedia, and Alseodaphne are discussed.


Monograph; also of importance to Malaysian algology.

A bibliography of the literature on rice during the period 1940-1947.

Discussion of features of the S. Pacific, mainly New Zealand resulting from a visit to the 7th Pan Pacific Science Congr.


**Lawrence, G. H. M.**: Discussions in botanical names of plants. (Gentes Herb. 8, 1949, 1-175).

**Li, Hui-Lin**: Families and genera of Formosan Plants. (Quarterly J. of Taiwan Mus. 2, 1949, 45-154).


**Lorrain, A.**: Buitenzorg, Centre scientifique. (Oléagineux 4, 1949, 28-29; 4 photos).


Primary and secondary types are distinguished within natural and anthropogenic forests. All 4 types are subdivided into subtypes according to destructive factors. Summary.


Millius reviews an issue of the Geographical Institute of the ‘Topografische Dienst’ at Djakarta, which contains numerous aerial photographs (New Guinea, Celebes), illustrating the formations and shape of valleys and rivers in Indonesia.

Report of a trip to Sumba and Timor with special attention to pastoral grounds.

B. asiatica is completely self-sterile.

41 spp. distinguished, and 4 varieties; 8 dubious spp. Contains keys and descr., literature, and a list of excl. spp. and synonyms. Two sections distinguished after Hooker. From Malaysia 34 spp. are recorded, but few specimens have been cited. Introductory notes on the history of the genus, 1 new sp. from the Philippines, 1 new name is proposed, and 2 new varieties.


Contains notes on Phaseolus spp. and synonymy (pp. 40-49).

Ordines, familiae, tribi, genera, sectiones, species, varieties, etates, formae et combinationes novae a Prof. ... adhuc ut
249

A list of all new names published by Prof. Dr T. Nakai; a special issue in his honour.


Some new spp. and varieties are included in this list; also a single specimen from Java is mentioned.

The list contains 1 n. sp.


Ooststroom, S. J.: van: The Convolvulaceae of Malaysia VI. (Blumea 6, 1950, 337-348; 1 fig.).
Key to and descriptions of the Argyreia's of the Philippines all native species are endemic; Rivea and Lettsomia are included into Argyreia; some new combinations; 2 new spp. described.

Ouden, P. den: Coniferen. Ephedra en Gingko. (Veenman en Zonen, Wageningen, 1949, 444 pp.; ill.). In Dutch. A beautifully illustrated and published treatment of cultivated conifers in the Netherlands. Of some interest to Conifers cultivated in Malaysia. Dozens of new infraspecific names (mostly new combinations) but possibly not a single one valid. A fine piece of work by a man of great experience and practical knowledge as a breeder that would have gained as regards nomenclature by collaboration with a systematicist familiar with the problems involved.


It is unwarranted to attach more importance to the holotype than to isotypes or merotypes. Paratypes, homeotypes, topotypes, hypotypes have wrong names; they have no type value at all.

Reduction of i.a. Gastranthus F. Muell., Helygia Bl. to sections of Parsonsia R. Br. sensu Pichon. Parsonsia panniculata new for Java; Artia tenangiana (King & Gamble) Pichon nov. comb.; based on ?


Pichon accepts the principle under certain conditions. The principle was rejected, however, by a large majority at the Stockholm Congress.

P. concludes that there is overwhelming argument to decapitalize.


Engelhardtia in pleistocene of Kashmir. (Indian For. 72, 1946, 572-576).

Cytological.

A reprint of Philipp. J. Sci. 52, 1933.


Contains a list of plant poisonous to man, used as arrow poisons, as fish poison, or poisonous to animals generally.
There is a list of c. 300 spp. which were proved to have hydrocyanic acid.

Raizada, M. B.: A little-known Burmese bamboo. (Ind. For. 74, 1948, 7-10, 1 pl.).
Description and plate of Sinocalamus copelandi (Gamble) Raizada, comb. nov.

Rehder, A.: Bibliography of cultivated trees and shrubs hardy in the cooler temperature regions of the northern hemisphere. (Arnold Arboretum, 1949, i-xl, +825 pp.).


A leaflet (map and brief descriptive note) issued on occasion of the visit of President Sukarno, Premier Pandit Nehru, and Minister Moh. Hatta to the Bogor Gardens, June 9, 1950.


Keys, synonymy, and notes, based on Pennell's work on West Himalayan Scrophulariaceae (1943).
List of a collection made in Galang Island, near Singapore, Jan.-April 1946. 72 spp. of Spermatophytes, 7 Pteridophytes, and some Cryptogams are included; no new species, 2 figs of Nepenthes.

The proper and valid name of the rubber tree is Hevea brasiliensis (Willd. ex Adr. de Juss.) Muell. Arg.


-----
New or noteworthy species of Gonystylus and allied genera.
Including new spp. of Gonystylus, Amyxa, and a new genus Ae toxylon; based on G. sympetala.

Deals with material from Rangoon.

'the old, static character of the species concept, which is, actually, indispensable for the systematist, proved to be a fiction'.

Final instalment of the figures of Malaysian Orchids.


Vegetation pp. 48-56.

Short biography of the late Dr Eyma, Botanist in the Herbarium, Buitenzorg, whose death occurred through starvation in a Japanese camp at Palembang, July 25, 1945.

-----
Notes on Vavaea, Aphaenandra, Scrotum cussi, Acer niveum,
Phyllanthera, Paracryphia, and reduction of Busseuillia Less.; a forgotten genus in Eriocaulon.

General considerations. (Fl. Mal. 4, 1949, xli-lxix, fig. 32–49).
Continued from Fl. Mal. vol. 4, first part, now concluded.

A new subdivision of the genus is proposed; 6 spp. are recognized.


Notes on Kollmann's collection of Javan plants, Keulemans's collection from Ilha do Principe, W. Africa, Blanco's from the Philippines, a 'Statouder' collection from Ceylon at Paris, further a biographical note on Zippelius, and a denial that Zollinger collected in the Krakatoa Islands.

In Dutch. Keys and descriptions of c. 450 spp. with annotations and vernacular names; a great part of the species selected consist of weeds and cultivated plants; the descriptive part is preceded by some general chapters; the book is dedicated to Dr C. A. Backer. It is intended for educational purposes, and can be used in all parts of Malaysia.


Incl. spp. of East Asia, Annam, and Rumohra holttumii from the Malay Peninsula.

Taylor, N.: *Flight from reality.* (Suell, Sloan & Pearce, N.Y., 1949, 237 pp.).

Botanical sources, history, and use of narcotic, stimulating and euphoric drugs.


New facts on this inexhaustible subject.


The origin of the family appears to be polyphyletic and possibly Far Eastern. Literature.

Tsiang, Y.: *The development of plant taxonomy in China during the past thirty years.* (Quart. J., Taiwan Mus. III (1), March 1950, 1-13).

New spp. and records enumerated according to family.


Many details of Kew Herbarium, technicalities, also a discussion of the methods and psychology of the compleat taxonomist.

---


---


Some references to Malaysian Orchids.


A few data on water plants included.


Earth crust is plastic, not elastic.


Small atlas of pen drawings by Sastrasapoetra, accompanied by text in Dutch, mostly common Javan weeds, coloured paper according to colour of flower described.
A special light area in the leaf of Nelumbium is described which functions as a 'pneumathodic organ'.

In Yugoslavian; summary in French.

Additions, corrections, and now verified species; based on collections of ex-service men. Index.


Contains a tabulated key to the 5 spp. distinguished.


Tree of the permanently inundated swamp forests with 1½-2 m peat layer in East Borneo; planting exp. by Dyak.


Willis, J. C.: The birth and spread of plants. (Boissiera 8, 1949, 561 pp.).
To those familiar with 'Age and Area' and the 'Course of Evolution', this big volume offers little new though, as usual the learned author offers much that stimulates thought. There is an endless repetition of arguments and, worse, it is too often attempted to bring proof by indirect demonstration and certain points are taken for granted too easily. Difficult to digest, chapters frequently overlapping.

Willis, Margaret: By their fruits. The life of Ferdinand von Mueller. (Halstead Press, Sydney, 187 pp.; several portr.).
A very careful account of the Baron's life and also a work of art on which the author is to be congratulated as well as
her brother, Mr J. H. Willis, botanist in the Bot. Gard. Melbourne. Indispensable for the history of Australian botany, and of outstanding general interest.


Key to and descriptions of 18 spp. recognized, 8 of which new. A new subdivision in sections and subsections of the genus is proposed.

---

Short history of the Phytography of Malaysian vascular plants. (Fl. Mal. 4, 2, 1949, lxx- clxi; map, photographs).

---


The influence of the Koninklijke Natuurkundige Vereeniging (Royal Physical Society) in the Netherlands-East Indies on botanical research in Malaysia. The study is a chapter in a commemorative volume on occasion of the centenary celebrations of the Society issued in three consecutive instalments as part of Chronica Naturae.
