

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

(contd. from p.121).

- Baas Beeking, L.G.M.: Notes on jungle trees I (Chron. Nat. 104, 1948, 271-277).
Calculation of the age of the stand in the mountain forest reserve Tjibodas on Mt Gedeh, W. Java, by means of new measurements on the trees numbered by S.H. Koorders in 1890. By means of the losses (0.77% annually) the average life span of a tree is estimated at ca 130 years.
- Backer, C.A. c.s.: Beknopte Flora van Java (nooduitgave) afl. VII. Fam. XCLVIII-CLXXII. Rijksherbarium, Leiden. Sept. 1948.
This instalment of the mimeographed emergency edition (in Dutch) contains the treatments of Meliaceae, Sapindaceae, Aceraceae, Sabiaceae, Staphyleaceae, Anacardiaceae, Connaraceae, Juglandaceae, Cornaceae, Alangiaceae, Nyssaceae, Araliaceae, Umbelliferae, Clethraceae, Ericaceae, Vacciniaceae, Epacridaceae, Ebenaceae, Sapotaceae, Myrsinaceae, Styracaceae, Loganiaceae, Oleaceae, Apocynaceae. Dr Backer was assisted by Miss Amshoff, Messrs Adelbert, Bakhuizen v.d. Brink, Lam & v. Ooststroom.
- Baehni, Ch.: Naissance et développement de la systématique moderne. De Linné aux temps actuels (Gesnerus 1947, p.127-145).
Important general discussion on the successive methods in taxonomy.
- Baldwin, J.T.: Cytogeography of Emilia Cass. in the Americas (Bull. Torr. Bot. Club 73, 1946, 18-23).
Malaysian species: *Emilia sonchifolia* (L.) DC. (2n=10), *E. coccinea* (Sims) Sweet (2n=20). No hybrids (Comp.).
- Barrett, M.J.: Ficus retusa L. (Bull. Torr. Bot. Club 76, 1949, 53-64).
F. retusa L. and *F. nitida* Thunb. were formerly considered conspecific. *F. nitida* is reduced to varietal rank under *F. retusa*. Evaluation of extensive synonymy; descr. added.
- Blake, S.T.: Studies in Australian Apocynaceae and Asclepiadaceae I (Proc. R. Soc. Queensl. 59, 1948, 161-168).
In Apoc. a n.sp. is described in *Cerbera*, closely all. to *C. manghas* & *odollam*. Other n.sp. in *Wrightia*, in *Asclep. Parsonsia*, *Marsdenia*; also some new names or comb.
- Blake, S.T.: Studies in Queensland grasses III (Proc. Roy. Soc. Queensl. 59, 1948, 153-160).
Misc. critical notes, some new spp. in *Eragrostis*, *Eriochloa*, and a new name in *Panicum*.

- Bloembergen, S.: Aceraceae (Fl.Mal.I, 4¹ (1948) 3-4).
- Boke, N.H.: The development of the perianth in Vinca rosea L.
(Apoc.).(Amer.Journ.Bot. 35, 1948, 413-423).
- Bor, N.L.: Bhidea Stapf; a new genus of Indian grasses (Kew Bull. 1948, p. 445-447, 1 fig.).
New genus of the Andropogoneae from Bombay Pres.
- Bor, N.L.: Narenga fallax (BALANSA) BOR, comb.nov. (Kew Bull.1948, 162).
New comb. based on Saccharum fallax Balansa, and the correct name for Erianthus chrysothrix Hack.; also known from Borneo etc. (Gram.).
- Bowden, Wray M.: Chromosome numbers in the Annonaceae (Amer.Journ. Bot.35, 1948, 377-381).
- Bremekamp, C.E.B.: List of the Acanthaceae collected in Celebes by Dr W.Kaudern and Dr G.Kjellberg (Svensk Bot. Tidskr. 42, 1948, 372-403).
The collections comprise 44 spp. among which the monotypic Kjelbergia n.g. and 24 n.spp. viz in Thunbergia 3, Diptera-canthus 1, Hemigraphis 7, Seriococalyx 1, Hygrophila 1, Dyschoriste 1, Phlogacanthus 2, Pseuderanthemum 2, Peristrophe 1, Hypoestes 2, Strophacanthus 1, Rungia 2.
- Brouwer, F.I.:Stackhousiaceae (Fl.Mal.I, 4¹, 1948, 35-36).
- Brown, W.V.: A cytological study in the Gramineae (Amer.Journ.Bot. 35, 1948, 382-395).
Chromosome numbers.
- Buitenzorg Scientific centre. Archipel Drukkerij, Buitenzorg, 64
pp. 26 fig. 1 map, 2 diagrams.
A very attractive, illustrated volume intended as a guide to the scientific institutions at Buitenzorg, with a short history of the laboratories, their past and present work and their present staff.
- Burcham, L.T.: Observations on the grass flora of certain Pacific Islands (Contr.U.S.Nat.Herb.30, 1948, 405-447, 4 fig. 7 pl.).
Areas represented include Guadalcanal, Goodenough Isl., New Britain, Pavivu Isl., Peliliu, Okinawa and 2 spp. from New Caledonia. Ample sociological and ecological notes.
- Burt, B.L.: A note on Paraboea (Kew Bull.1948, no 1, p.55-56).
As lectotype of the genus is chosen Didymocarpus paraboea Clarke; 2 sections are distinguished and some necessary new comb. are made (Gesn.).

- Burtt, B.L.: On Erigeron bonariensis Linn. (Kew Bull. 1948, 369-372).
Discussion and key to *E. bonariensis* L. and *E. floribundus* (H.B.K.) Sch. Bip. with their synonymy. The latter is the proposed name for the Mal. *E. sumatrensis* Retz., the former for *E. linifolius* Willd. of which no type specimens could be traced (Comp.).
- Camp, W.H.: The names of plants in cultivation (Nat. Hort. Mag. 27, 1948, 83-86).
- Cash, Edith H.: Six Indian Discomycetes (Mycologia 40, 1948, 724-727).
Collected at Lahore.
- Chakravarty, H.L.: Studies on Indian Cucurbitaceae. A note on Thladiantha Bunge and Hemsleya Cogn. (Notes Roy. Bot. Gard. Edinb. 20, 1948).
Thl. hookeri was confused with some spp. of *Thladiantha* and *Hemsleya*. The leaf shape is very variable.
- Chakravarty, H.L.: Studies on Indian Cucurbitaceae with special remarks on distribution and uses of economic species (Ind. Journ. Agric. Sci. 16, 1946, 1-89).
Histology, morphology, economic, medicinal.
- Chatterjee, D.: Chonemorpha macrophylla and C. grandeana (Kew Bull. 1948, no 1, p. 68).
The correct name for *Ch. macrophylla* (Roxb.) G. Don is *Ch. fragrans* (Moon) Alston (Apoc.).
- Chatterjee, D.: A review of Bignoniaceae of India and Burma (Bull. Bot. Soc. Beng. 2, 1948, 62-79).
Keys and notes; *Amphicome* is reduced to *Incarvillea*; some new comb. are made in *Radermachera* and *Stereospermum*. Cultiv. spp. are keyed out separately.
- Chatterjee, D.: New records from India, Pakistan, and Burma (Kew Bull. 1948, p. 373-374).
Various records; Philippine *Omphalea bracteata* (Blco) Merr. is found in Burma (Euph.).
- Chatterjee, D.: Validating botanical literature by reference to pre-1753 literature (Journ. Arn. Arb. 30, 1949, p. 71-74).
Proposal for a recommendation to discontinue the practice of validating new binomials solely by reference to pre-1753 literature.

- Cheesman, E.E.: Classification of the bananas III. Critical notes on the species (ctnd) (Kew Bull. 1948², 145-157).
Deals with *M. paradisiaca* & *M. sapientum*, *Musa Banksii*.
- Cheesman, E.E.: Classification of the bananas III. Critical notes on species (Kew Bull. 1948, no 1, p. 11-28, 4 pl.).
Disentangling the confusion round *M. balbisiana* Colla based on a Rumphian species, to which are reduced *M. troglodytarum*, *M. brachycarpa*. The other species discussed and described is *M. acuminata* Colla, to which are reduced *M. simiarum* Rumph., *M. zebrina*, *M. malaccensis*, *M. truncata*.
- Chennery, A.: Aluminium in the plant world. Part 1 General survey in Dicotyledons (Kew Bull. 1948, p. 173-183).
1133 spp. are known to accumulate aluminium in various degree. The genera to which they belong are enumerated; the method for testing is described.
- Chevalier, A.: Le genre "Holarrhena" et sa distribution géographique (Rev. Bot. Appl. Agric. trop. 1948, p. 115-120).
Subdivisions of the genus; treats specially *H. antidysenterica*, *H. febrifuga* and *H. floribunda* (Apoc.).
- Coomans de Ruiter, L.: Natuurbescherming in Nederlandsch Indië (Indonesië 2, 1948, p. 140-162).
General about nature preservation in Indonesia (in Dutch).
- Corner, E.J.H.: Variation in size and shape of spores, basidia and cystidia in Basidiomycetes (The New Phytol. 46, 1947, 195-228).
- Croizat, L.: La inflorescencia del maiz (Revista Argent. Agron. 15, 1948, 160-211).
Morphology of *Zea mais*.
- Cunanan, Carlos: Trees for roadside planting (Philip. Dept. Agric. & Commerc. News Bull. 1 (12), 1947, 27-30).
Trees suitable for various situations are listed, with notes on planting methods and spacing.
- Davis, R.S.: Philippine Dendrobium (Philip. Orch. Rev. 1, no 2, 1948, 10-15, 3 fig.).
Popular, on *Dendrobium* structure & characters. (Orch.)
- Davis, R.: The genus Phreatia in the Philippines (Orchid Digest 11, 1947, 264-266).
- Dickason, F.G.: The Ferns of Burma (Ohio Journ. Science 46, 1946, 109-141).
Key and enumeration of 460 spp. belonging to 104 genera. Numerous first records for Burma, mostly from coll. of author & H. Young.

- Fagerlind, F.: Beiträge z.K. der Gynäceum Morphologie & Phylogenie der Santalales Familien (Svensk Bot.Tidskr. 42, 1948, 195 seq.).
Treats e.g. Ochanostachys, Ximenia, Cansjera, Cansjera, Opilia; material from Buitenzorg.
- Fagerlind, F.: Bau u. Entwicklung der vegetativen Organe von Balanophora (Kgl.Svenska Vetensk.Akad.Handl.25:3, 1948, 1-72).
Based on *B.globosa* & *elongata* from W.Java.
- Fasset, N.C.: Some notes on Echinochloa. (Rhodora 51, 1949, 1-3).
- Fletcher, H.R.: Key to the Siamese species of Myrsinaceae (Not. R.Bot.Gard.Edinb.20, 1948, 106-120).
Containing keys in addition to the enumerated species.
- Fosberg, F.R.: Micronesian mangroves (Journ.N.Y.Bot.Gard. 48, 1947, 128-138, illustr.).
Description of the mangrove of Palau, and other islands.
- Gagnepain, F.: Deux "Lasianthera" nouveaux (Not.Syst. 13, 1948, 188-189).
2 n.sp.from Indochina (Icac.).
- Gagnepain, F.: "Matpania", n.g.des Phytocrénacées (Not.Syst. 13, 1948, 189-190). (Icac.)
- Gagnepain, F.: Un genre nouveau des Staphyléacées (Not.Syst. 13, 1948, 190-191).
Triscaphis from Laos.
- Gagnepain, F.: Deux espèces nouvelles de Triscaphis (Not.Syst. 13, 1948, 191-192).
- Gagnepain, F.: Acer nouveaux d'Indochine (Not.Syst. 13, 1948, 192-195).
4 new spp. (Acer.).
- Gagnepain, F.: Sapindacées de l'Indochine (Not.Syst.13, 1947, 26-37).
New spp. in *Allophylus*, *Aphania*, *Guioa*, *Lepisanthes*, *Mischocarpus*, *Nephelium*.
- Gagnepain, F.: Ailanthopsis Gagn. = Heynea Roxb. (Not.Syst. 13, 1947, 62-63).
- Gagnepain, F.: Sapindacées nouvelles ou litigieuses (Not. Syst.13, 1947, 63-72).
New spp. in *Otophora*, *Paranephelium*, *Sapindus*, *Pometia*, *Xerospermum*, *Zollingeria*.

- Gagnepain, F.: Quelques espèces nouvelles des Olacacées (Not. Syst. 13, 1947, p.131-137).
New spp. of Gomphandra, Anacolosa, Lepionurus, Pittosporopsis.
- Giessen, C. van der & F.W. Ostendorf: The oldest Hevea trees in Java (Chron. Naturae 104, 1948, 197-200).
History of the 2 oldest Heveas in the "Cultuurtuin" at Buitenzorg, one of which was damaged by wind in Febr. 1948 (Euph.).
- Glassman, S.F.: A survey of the plants of Guam (Journ. Arn. Arb. 29, 1948, 169-185, map).
Principal plant species of Guam (Marianas Isl.) grouped according to the kinds of situations most favourable for their growth.
- Goes, O.C.: Cromosomos em "Aleurites moluccana Willd." (Arquivos do Jard. Bot. Rio de Janeiro 7, 1947, 5-10, 3 fig.).
2n = 44. (Euph.)
- Guillaumin, A.: Les plantes médicinales de la Nouvelle-Calédonie (Ann. Pharm. Franc. 5, 1947, 190-205).
Annotated list, over 120 spp. Native names are given when known, and uses of plant products are mentioned.
- Hara, H.: Taxonomical studies in useful plants in Japan II (Sigenkagaku-Kenkyusho-Iho no 10, 1946, p. 1-12, 5 fig.).
Discussion of and key to some spp. of Phaseolus; in Japanese, except synonymy. (Leg.)
- Hara, H.: Taxonomical studies on useful plants in Japan IV.
Cucurbita (Journ. Japan. Bot. 22, 1948, p.46-50, 1 fig.).
Deals with C. pepo and C. moschata. In Japanese except synonymy; one new var. is described.
- Hara, H.: Nomenclatural notes on some economic plants cultivated in Japan (Bot. Mag. Tokyo 61, 1948, 1-6).
Deals with Fagopyrum, Petroselinum, and some Cucurbit. Citrullus Forsk. is proposed as a nom. gen. cons. (Cucurb.)
- Herzog, Th.: Studien über kritische und neue Lejeuneaceae der Indomalaya (Svensk Bot. Tidskr. 42, 1948, 230-241).
Several spp. from old collections; Placolejeunea n.g. and several n.sp. in other genera are described. (Hepat.)
- Hjelmquist, H.: Studies on the floral morphology and phylogeny of the Amentiferae (Bot. Notiser, 1948, Suppl. vol. 2, no.1).

- Holttum, R.E.: The spikelet in Cyperaceae (Bot.Rev.14, 1948, 525-541).
A study of the comparative morphology of the spikelet in Cyperaceae, written after the author had prepared a revised account of the Cyperaceae of the Malay Peninsula, leads to the view that Bentham's Hypolytreeae are most primitive and and the subfamily Caricoideae most highly evolved.
- Holttum, R.E.: The resam ferns of Malaya (Malayan Nature Journal 3, 1948, 1-9).
The Malay name of Gleichenia is "resam". The structure of the resam plant is discussed, in particular the types of branching. A key to the species is given, the species are described, as are a number of varieties. No author's names are added to the specific and varietal epithets.
- Howes, F.N.: Nuts, their production and everyday uses. 1948. pp. 264. 18/.
- The book is divided in 2 sect. Nuts from the tropics, and nuts from temperate and subtemperate regions. The former included Bertholletia, Lecythis, Caryocar, Macadamia, Canarium, & Telfairea. There is also information on coconut and peanut. There are chapt. or sect. on nuts as human food, Processing and Storage, Nut recipes. 80 spp. are treated under Miscellaneous nuts. Pictures of about 50 spp. Bibl. Index.
- Humm, H.J.: Agar - a pre-war Japanese monopoly (Econ.Bot.1, 1948, 317-329).
A general review incl. discussion of its early history, development of industry in USA; uses of agar, manufacturing methods, physical and chemical properties.
- Hylander, N.: Notes on Anemone nipponica Merr. and allied forms (Svensk Bot. Tidskr. 39, 1945, 49-64).
Contains also a discussion on A.vitifolia. (Ranunc.)
- Iterson Jr., G.van: Wetenschappelijk appèl t.g.v. het 50-jarig Reg.jubileum, gehouden door de Ver.Inst., 1948, 10-19.
A speech under the name Icones Bogoriensis (pictures from Buitenzorg) on the scientific institutes at Buitenzorg.
- Jonker, F.P.: Burmanniaceae (Fl.Mal.I, 4¹, 1948, 13-26).
- Just, c.s.: Evolution and classification of Gymnosperms.
A symposium (Bot.Gaz. 110, 1948, 1-103).
- Koster, J.Th.: De wierenverzameling van het Rijksherbarium te Leiden (Biol.Jaarb. (Gent) 15, 1948, 54-68, 9 fig.).
History of the Leyden algal collection.

- Kurata, Satoru: A new species of Vavaea in Netherland North New Guinea (Bull. Tokyo Univ. Forests No 35, Dec. 1947, art. 6, p. 198-199).
V. brevipedunculata is described and figured. (Verb.)
- Kurata, Satoru: An enumeration of the Verbenaceae collected by Prof. Inokuma and K. Hara in Netherland North New Guinea (Bull. Tokyo Univ. Forests no 35, Dec. 1947, art. 17, p. 201-207).
Eleven spp. are enumerated; Teysmanniodendron monophyllum Kurata sp. n. is proposed.
- Lam, H.J.: Rijksherbarium Leiden. Verslag van de Directeur over 1 Sept. 1947-31 Aug. 1948. Mimeographed, 27 pp., 1948.
Detailed report on the accessions etc. of the Rijksherbarium by its Director.
- Lam, H.J.: Sarcospermaceae (Fl. Mal. I, 4¹, 1948, 32-34).
- Lamb, I. Mackenzie: A monograph of the genus Placopsis (Lilloa, Tucuman, 13, 1946, 151-288, 3 fig. 16 pl. 4 maps).
A genus of lichens.
- Leroy, J.F.: Trois arbres nouveaux, l'un de Mexique (Aphananthe mexicana) les autres de Madagascar (Bull. Soc. Bot. Fr. 95, 1948, 5-10) (Ulmac.).
- Leroy, J.F.: Le genre Aphananthe (Ulmacées). Révision systématique et distribution géographique des espèces (Bull. Mus. Hist. Nat. Paris sér. II, 18, 1946, p. 118-123, 180-184, pl.).
Anatomy: 4 spp. recognized; occurring from Madagascar to Korea and Victoria; allied to and sometimes confused with Gironniera.
- Li, H.W., C.S. Loh, & C.L. Lee: Cytological studies on sugarcane and its relatives I. Hybrids between Saccharum officinarum Miscanthus japonicus and S. spontaneum (Bot. Bull. Ac. Sinica 2, 1948, 147-160, 7 + 25 fig.).
Crossing POJ 2725 with M. japon. gives 2 types of seedlings: normal and intermediate types. One of the latter was crossed with S. spont. and a tri-hybrid was obtained. (Gram.)
- Li, H.W. & C.L. Lee: Cytological studies on sugarcane and its relatives II. F 1108 a bud sport of F 108 (Bot. Bull. Ac. Sinica 2, 1948, 195-197, 4 fig.).
F 108 has 111 somatic chromosomes, F 1108 114. These extra chromos. arose from a non-disjunction in mitosis. (Gram.)
- Mahabalé, T.S.: Prothalli of Ceratopteris thalictroides (Bot. Gaz. 109, 1948, 349-354).
Parkeriaceæ fern.

Mendiola, N.B.: Some observations on orchid propagation (Philipp. Orch. Rev. vol. 1, no 2, 1948, 27-30).

Experiences with sexual and asexual propagation.

Merrill, E.D.: A Mindoro fern adventure (Amer. Fern Journ. 36, 1946, 33-47).

Observations and experiences on a trip from the coast to the 2700 m high summit of Mt Halcon, Mindoro, Philippines; Dr Merrill was a member of the first party to make the ascent.

Merrill, E.D.: Neolitsea (Bentham) Merrill, nomen conservandum propositum (Journ. Arn. Arb. 29, 1948, 198-201).

Neolitsea must be protected against Bryantea Rafin. 11 new comb. under Neolitsea are published. (Laur.)

Merrill, E.D. & L.M. Perry: Plantae Papuanae XVIII (Journ. Arn. Arb. 30, 1949, 39-63).

The last of the joint papers in this important series. New spp. are described in Sagina, Sterculia, Solanum, Plantago, Melothria, Trichosanthes, Pratia, Lobelia. New generic records for Papua are Leschenaultia, Tarrietia. Concluded by an index to genera and families contained in the series.

Merrill, E.D.: Nomenclatural notes on Rafinesque's published papers 1804-1840 (Journ. Arn. Arb. 29, 1948, 202-214).

A discussion on the proper way dealing with Rafinesque's neglected generic names with a list of valid but not as yet generally accepted names and their equivalents. The intention is to dispose of most of them as nomina generica rejicienda. Some nomenclatural changes are published.

Merrill, E.D.: An overlooked Flora Indica (Journ. Arn. Arb. 29, 1948, 186-192).

Discussion of an enumeration of references to SE. Asiatic plants compiled by T. Pennant, in his 4th vol. of his 'Outlines of the Globe' (London 1800) of which the 2nd title page runs: "The view of the Malayan isles, New Holland, and the Spicy Islands". There are no descriptions. The "Flora Indica" comprises pp. 237-317 of the volume. Three combinations proposed by Pennant (1 in Piper, 2 in Ficus) are recognized as correct names.

Merrill, E.D. & M.L. Perry: Notes on some Papuan collections of Mary Strong Clemens (Journ. Arn. Arb. 29, 1948, 152-168).

Records of various spp. from NE. New Guinea, 20 n.spp. and 2 new vars, belonging to Balanophoraceae, Aristolochiaceae, Polygonaceae, Chenopodiaceae, Ranunculaceae, Leguminosae, Meliaceae, Callitrichaceae, Anacardiaceae, Passifloraceae, Begoniaceae, Lecythidaceae, Haloragaceae, Primulaceae, Loganiaceae, Apocynaceae, Rubiaceae, Cucurbitaceae. Several new records for Malaysia or New Guinea e.g. Chenopodium, Callitriche verna L.

- Milne Redhead, E.: Tropical African plants XX (Kew Bull. 1948, 450, 1, 457, 466).
Contains data on *Bergia capensis* L., *Polycarpon prostratum*,
Euphorbia geniculata, *Chrysanthellum americanum* (=indicum).
- Moldenke, H.N.: The known geographic distribution of the members of the Verbenaceae and Avicenniaceae Suppl. 5 (Bol. Soc. Venezol. Cienc. Nat. 11, no 70, 1947, 37-52).
Contains also notes in Malaysian spp.
- Narayanaswami, V.: The status of *Desmotrichum* B. and the synonymy of *Dendrobium macraei* Lindl. and *Desmotrichum fimbriatum* Bl. (Journ. Ind. Bot. Soc. 25, 1946, 205-219, 4 fig.).
Desmotrichum may perhaps be retained as a sectional name for a very limited group of *Dendrobium*. Synonymy of the Ceylon *D. macraei*. *D. plicatile* Lindl. is the correct name for what has been called *D. fimbriatum* (Bl.) Lindl., *D. flabellum* Rehb. f., *D. kunstleri* Hook. f., *D. binnendijkii* Rehb. f. (Orchid.)
- Ooststroom, S.J. van: Additional notes on the Convolvulaceae of New Guinea (J. Arn. Arb. 29, 1948, 414-418, pl. 1).
Supplement to an unpublished revision of Papuan Conv. in Nova Guinea inedit. Deals with Clemens's coll. from Morobe distr., and a few other specimens. *Erycibe Clemensae* n. sp. is described and figured.
- Parthasarathy, N.: Origin of the noble sugar-cane (Nature 161, 1948, 608).
- Pichon, M.: Classification des Apocynacées XIV. La rétina des Echitoidées (Bull. Soc. Bot. Fr. 95, 1948, 211-216, 4 fig.).
The tribes Parsonsieae, Nerieae, Ecdysanthereae and Ichnocarpae are shortly characterized. *Aganosma* sect. *Amphineurion* is raised to the rank of a new genus (2 spp. Australasia).
- Pichon, M.: Classification des Apocynacées XVI. Clef des genres d'Ecdysantherées (Bull. Mus. Hist. Nat. Paris sér. II, 1948, 296-303).
Key to 20 genera belonging to 6 subtribes. 4 new genera are segregated: *Parameriopsis*, *Giadotrum*, *Formosia*, *Haplophandra*; several new comb. in these and in other genera are proposed.
- Pichon, M.: Classification des Apocynacées XX. Deux genres nouveaux voisins de *Vallaris* et de *Beaumontia* (Bull. Mus. Hist. Nat. Paris sér. II, 20, 1948, 381-382).
Key to a group of genera of the Nerieae; *Parabeaumontia* (China) and *Muantum* (Tenasserim) are segregated.

- Pulle, A.A. (ed.): Flora of Suriname (Netherlands Guyana) Vol.1, part 1, pp. 273-524. April 1948.
The final instalment of this part, incl. title and index. Treatments of the Gramineae (Amshoff & Henrard), Amaryllidaceae, Iridaceae (M.J.A. Boterenbrood), Triuridaceae, Hydrocharitaceae, Alismataceae, Butomaceae (Jonker), Portulacaceae (v.Ooststroom), Cyperaceae additions and corrections (Uittien).
- Puri, G.S.: Fossil plants and the Himalayan uplift (Journ. Ind. Bot. Soc. Iyengar Commemoration volume 1947, p. 167-184).
- Pijl, L. van der: Het ecologisch moment in de plantkunde. Bandoeng-Batavia 1948. 25 pp. (in Dutch).
Inaugural address; discussion of general problems related to ecology as a branch of biology touching morphology and physiology.
- Quisumbing, E.: A rare orchid just at the backdoor of Manila (Philip. Orch. Rev. 1, no. 2, 1948, p. 7-9, 1 fig.).
Description and plate of *Vanilla calopogon* Rchb.f.
- Ramos, J.T.: Propagation of orchids by seeds (Philip. Orch. Rev. 1, no 2, 1948, 22-26).
Technique of preparing cultures.
- Reeder, J.R.: The Gramineae-Panicoideae of New Guinea (J. Arn. Arb. 29, 1948, 321-392, pl. 5-7).
2nd and final instalment (cf. p. 118) deals with Andropogoneae & Maydeae. N.spp. comb. and var. are described in *Dimeria*, *Eulalia*, *Ischaemum*, *Hemarthria*, *Eremochloa*, *Rottboellia*, *Chrysopogon*, *Andropogon*, *Themeda*. A list of doubtful & excluded spp., a bibliogr., and list of cited specimens are added.
- Reinders-Gouwentak, C.A.: Key to the Lauraceous woods from Java (Med. Landbouwhoogeschool Wageningen 49, 1948, 1-12).
New key presented correcting that of Janssonius.
- Ricker, P.L. and Morse W.G.: The correct botanical name of the soy bean (J. Am. Soc. Agron. 40, 1940, 190-191).
- Rickett, W.H. & W.H. Camp: The nomenclature of hybrids (Bull. Torrey Bot. Club 75, 1948, 496-501).
Discussion of implications connected with the nomenclature of hybrids.
- Rothe, P.L.: La forêt d'Indochine (Bois & Forêts trop. 1947, part 1, p. 25-30, pt 2, p. 18-23, pt 3, p. 17-23 map, 6 pl.).
Forest types of Indo-China.

- Roux, C.C.F.M.le: De Bergpapoea's van Nieuw Guinea en hun woon-
gebied. Leiden (Brill). Vol. 1. 1948.
Anthropological study on Papuans.
- Safeeulla, K.M. & H.C.Govindu: Some new hosts of Cephaleuros
(Journ.Mysore Univ.sect.B. 8, 1948, 47-49).
The alga causing red rust on tea is found epiphytic on
several other plants which are enumerated.
- Santapau, H.: New plant names from India (Kew Bull. 1948², 276).
7 new comb. incl. Desmodium triangulare (Retz) for D.
cephalotes Wall. (Leg.)
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