

XIV. BIBLIOGRAPHY  
(contd from p. 870)

- Abeywickrama, B.A.: A provisional check list of the flowering plants of Ceylon (Ceylon J.Sc., Biol.Sec. 2, 1959, 119-240).
- Ahti, T.: Taxonomic studies on reindeer lichens (Cladonia, subg. Cladina) (Ann.Bot.Soc.Zool.Bot.Fenn.Vanamo 32<sup>1</sup>, 1961, 1-160, many fig.).  
Also map of *C. mitis*, p.121. Bipolar type of distribution.
- Amakawa, T.: Family Jungermanniaceae of Japan 2 (Hepat.) (J. Hattori Bot.Lab. 22, 1960, 1-90, maps 1-8, fig.11-41, t.4-5).  
Country monogr.
- Anderson, J.A.R.: Field check list of trees of peat swamp forests of Sarawak (Mimeographed, 4 + 18 pp.).  
Folio mimeogr.; 185 spp. listed with their vernaculars.
- Aubréville, A.: Etude écologique des principales formations végétales et contribution à la connaissance des forêts de l'Amazonie brésilienne (Centre Technique For.Trop. 1961, 268 pp., cartes, photogr.).
- Auitrakul, R.: The study of the relationship between sections in the genus Dendrobium from pollen germination (Orch.) (J.Res.Counc.(Bangkok) 2, no 3, 1961, 37-47).  
In Siamese; with English summary.
- Axelrod, D.I.: Poleward migration of early Angiosperm flora (Science 130, 1959, 203-207, 5 graphs).  
Origin was tropical; in the Early Cretaceous they commenced to invade tropical lowland and reached high northern and middle southern latitudes at the close of the epoch, to replace the relict Jurassic type of vegetation during the early part of the Late Cretaceous.  
---- : How old are the Angiosperms? (Am.J.Sc. 259, 1961, 447-459).  
Largely an answer to Scott, Barghoorn, and Leopold, in defence of the thesis that Angiosperms must be older than the Cretaceous.
- Baehni, Ch.: Euphorbiacées et Buxacées (Candollea 17, 1959, 69-70).  
Nepal; list.
- Baker, H.G.: Heterostyly in the Connaraceae with special reference to Byrsocarpus coccineus (Bot.Gaz. 123, 1962, 206-211, 4 fig.).

Bakhuisen van den Brink, R.C. & C.G.G.J. van Steenis: Car diopteris or Peripterygium? (Icacin.) (Taxon 11, 1962, 28-29).

Balgooy, M.M.J. van: Preliminary plant-geographical analysis of the Pacific, as based on the distribution of Phanerogam genera (Blumea 10, 1960, 385-430, 1 map).

There are 9 types and 6 subtypes of generic distribution distinguished and from these floristic spectra are composed for all islands or island groups separately. This results into a subdivision of the Pacific flora which is largely derived from the Indo-Malaysian flora. Its southern part is incorporated in the Australian flora, its tropical and northern part in the Malaysian flora; New Caledonia stands apart.

Bapua, K.R.: A new species of Riccia from Jodhpur (India) (Hepat.) (Bot. Notis. 114, 1961, 181-184, 9 fig.).

Barnard, C.: The interpretation of the Angiosperm flower (Austr. J. Sc. 24, 1961, 64-72, portr., 3 fig.).

Presidential address ANZAAS Conf.

Barnett, E.C.: Contributions to the Flora of Thailand IV (Kew Bull. 15, 1961, 249-259).

Contains descriptions of 19 new spp. in Gesneriaceae, 1 new comb.

----- : New species of the Gesneriaceae from Thailand (Nat. Hist. Bull. Siam Soc. 20, 1961, 9-25).

Precursory paper containing 19 new spp. in various genera.

Barrau, J.: The Sago palms (Palm.) (Principes 4, 1960, 44-59, 6 fig.).

A reprint of a previous paper in 'Economic Botany'. Distribution map of Metroxylon species in Oceania. A compilation of taxonomic and ethnobotanic facts.

Barros, M.: Las Ciperaceas de Estado de Santa Catalina (Cyper.) (Sellowia 12, 1960, 181-450).

Bartram, E.B.: Low altitude mosses from northeastern New Guinea (Musci) (Brittonia 13, 1961, 368-380).

Coll. Robbins list; several new spp.; key to species of Chaetomitrium (Syrrhopodon robbinsi n.sp.). Barbula robbinsi n.sp. etc.

----- : Mosses of the western highlands of eastern New Guinea (Musci) (Rev. Bryol. Lichén. n.s. 30, 1961, 185-207).

Coll. Robbins, Hoogland & Schodde; list; several new spp.

- Bate-Smith, E.C.: Chromatography and taxonomy in the Rosaceae (J.Linn.Soc.Lond. 58 Bot., 1961, 39-54).  
---- : The phenolic constituents of plants and their taxonomic significance (J.Linn.Soc.Lond. 58 Bot., 1962, 95-173).  
A study made with leaves of about 1000 species belonging to almost all families of Dicotyledons.
- Bentvelzen, P.A.J.: Reduction of the genus Heynea Roxb.ex Sims to Trichilia P.Br. (Meliac.) (Acta Bot.Neerl. 11, 1962, 11-20, 1 map).  
2 spp. recognized, with 1 forma and 1 var.; 3 new comb. in Trichilia, 1 in Aglaia.
- Bhoj Raj: Pollen morphological studies in the Acanthaceae (Grana Palynologica 3, 1961, 1-108, 44 pl.).  
The opinion of Bremekamp to transfer Nelsonoideae to Scrophulariaceae seems justified; Mendoncioideae and Thunbergodeae are better treated as separate families.
- Bir, S.S.: Chromosome numbers of some Himalayan species of Vittaria (Am.Fern J. 52, 1962, 36-42, 4 fig.).  
---- : Some new and little known members of the genus Athyrium from the Himalayas (Nova Hedwigia 4, 1962, 165-171, (t.52-53), 13 fig.).
- Bischler, H., H.A. Miller & C.E.B. Bonner: Studies in Lejeuneaceae III. A historical account of Lejeunea cucullata and its varieties (Hepat.) (Nova Hedwigia 3, 1961, 445-462).
- , ---- & ---- : The typification of the genus Microlejeunea (Hepat.) (Nova Hedwigia 4, 1962, 173-187, pl. 55-56).
- Bisset, N.G.: The occurrence of alkaloids in the Apocynaceae II. A review of recent development (Ann.Bogor. 4, 1961, 65-144).  
A detailed review of the literature covering the period mid-1958 to mid-1961.
- : Cardiac glucosides IV. A preliminary paperchromotographic study of the glycosides from Thevetia peruviana (Pers.) K.Sch. (Apoc.) (Ann.Bogor. 4, 1961, 145-152).
- : Cardiac glucosides V. Ditto of some species of Cerbera L. (Apoc.) (Ann.Bogor. 4, 1961, 153-161).
- Blake, S.T.: Two new species of Scleria (Cyper.) (Blumea 11, 1961, 219-223).  
Both Indo-Australian.

- Bocquet, G.: The campylotropous ovule (Phytomorphology 9, 1959, 222-227, 6 fig.).  
The various types of ovules.
- Boedijn, K.B.: Notes on the Meliolales (Fungi) (Persoonia 1, 1961, 393-404, 24 fig.).
- : The genus Cercospora in Indonesia (Fungi) (Nova Hedwigia 3, 1961, 411-438, t.108-111 (= fig.1-19)).  
90 spp. enumerated; many new.
- : On Xylaria spathulata Berk.& Br. (Fungi) (Persoonia 2, 1962, 193-194).
- Bogdan, A.V.: Grass pollination by bees in Kenya (Proc. Linn. Soc. Lond. 173 (i), 1962, 57-60, 4 photogr.).  
As in Java grasses are frequented by bees collecting pollen. Interesting observations.
- Boivin, B.: A classical Taxonomist looks at experimental taxonomy (Rev. Canad. Biol. 19, 1960, 435-444).
- Bonner, C.E.B.: Ericaceae (Candollea 17, 1959, 61-67).  
Nepal; list.
- , H. Bischler & H.A. Miller: Studies in Lejeuneaceae II. The transition, subgenus-genus, of Spruce's segregates of Lejeunea (Hepat.) (Nova Hedwigia 3, 1961, 351-359).
- & H.A. Miller: Studies in Lejeuneaceae I. The typification of Lejeunea (Hepat.) (The Bryologist 63, 1960, 217-225, 1 tabl., fig.a-i).
- Bor, N.L.: A new grass from New Guinea (Brittonia 14, 1962, 48-49, photogr.).  
Grown at Kew from soil received from New Guinea, Mt Michael, 3500-4000 m. Danthonia chazeana Bor, n.sp.
- : Notes on Asiatic Grasses XXXIII (Kew Bull. 15, 1962, 411-414).  
Discussion and synonymy of Ischaemum barbatum.
- Bremekamp, C.E.B.: Studies in the Flora of Thailand. Scrophulariaceae, Nelsonieae, Thunbergiaceae, Acanthaceae (Dansk Bot. Ark. 20, 1961, 57-88).
- Brenan, J.P.M.: The branching of Triceratella: a correction (Commel.) (Kirkia 2, 1961, 106-107).  
Commelinaceae have terminal inflorescences; sometimes they are leaf-opposed and in that case the branching is sympodial, the inflorescences break through the ocrea.
- Brizicky, G.K.: Taxonomic and nomenclatural notes on Zanthoxylum and Glycosmis (Rutac.) (J. Arn. Arb. 43, 1962, 80-93).  
Glycosmis typified; G. pentaphylla = G. mauritiana (Lamk) Tanaka.

- Brock, R.D. & J.A.M. Brown: Cytotaxonomy of Australian Diantho-  
nia (Gram.) (Austr.J.Bot. 9, 1961, 62-91).
- Brownlie, G.: Studies on Pacific ferns III. The Lindsaeoid  
ferns (Pacif.Sc. 15, 1961, 64-66).
- : Studies on Pacific ferns IV. The Pteridophyte flora  
of Pitcairn Island (Pacif.Is. 15, 1961, 297-300).
- Brunig, E.F.W.O.: An introduction to the vegetation of the  
Bako National Park (Report of the Trustees for National  
Parks Sarawak 1959-1960, 13-35, 8 photogr.).
- : Merurong Plateau revisited (Born.Terr.For.Bull. 6,  
June 1960, 13-16, mimeogr.).
- Bruun, A.F.: Danish naturalists in Thailand, 1900-1960 (Nat.  
Hist.Bull.Siam Soc. 20, 1961, 71-80, 1 photogr.).  
General survey and details about recent work.
- Bullock, A.A.: Our corpus and carpos - A reply (Taxon 10,  
1961, 240-242).  
Some clear notes in orthographic variants and homonyms  
of generic names which some authors should take to  
heart.
- : Cardiopteris or Peripterygium (Icacin.) (Kew Bull.  
15, 1962, 392-393).
- : Types of some generic names in Apocynaceae (Kew Bull.  
15, 1962, 394-395).
- : A new name (Asclep.) (Kew Bull. 15, 1962, 396).  
Secamone insularis Schltr non Miq. from New Caledonia  
is S.neocaledonica.
- Bunting, G.S.: Generic delimitation in the Araceae, subfam.  
Monsteroideae (Baileya 10, 1961, 21-31).  
Discussion Rhaphidophora and allied genera; key to ge-  
nera; key to cult.spp. of the subfamily.
- Burgess, P.F.: The structure and composition of lowland tro-  
pical rain forest in North Borneo (Mal.For. 24, Jan.  
1961, 66-80, 3 fig.).
- Burkill, H.M.: Annual Report of the Botanic Gardens Department  
for 1959. Singapore 1960, 25 pp., illustr.  
Contains some interesting news on staff and arrange-  
ments, photograph of L.Niven, who laid out the Gardens,  
and photographs of beach plants and freshwater swamp  
forest.
- Burtt, B.L.: Compositae and the study of functional evolution  
(Trans.Bot.Soc.Edinb. 39, 1961, 216-232, 1 photogr.).

- Buxbaum, F.: Vorläufige Untersuchungen über Umfang, systematische Stellung und Gliederung der Caryophyllales (Beitr. Biol. Pflanz. 36, 1961, 1-56).
- Capuron, R.: Notes sur les Simaroubaceae de Madagascar (Adanson 1, 1961, 83-92).  
*Samadera indica*; two new genera.
- Capurro, R.H.: Un nuevo genero de Bombacaceae (Bol. Soc. Argent. Bot. 9, 1961, 319-324, 1 pl.).  
Close to *Ceiba*.
- Carolin, R.C.: Floral structure and anatomy of the family Styliadiaceae (Proc. Linn. Soc. N.S.W. 85, 1960, 189-196, 20 fig.).  
Syst. position is obscure and may be not with Campanulales.
- : The structures involved in the presentation of pollen to visiting insects in the order Campanales (Campan.) (Proc. Linn. Soc. N.S.W. 85, 1960, 197-207, 5 fig.).
- : The genus Pelargonium l'Hér. ex Ait. in Australia (Geran.) (Proc. Linn. Soc. N.S.W. 86, 1962, 280-294, 1 fig., 3 maps).  
8 spp., some new.
- Chandler, M.E.J. & D.I. Axelrod: An Early Cretaceous (Hauterivian) Angiosperm fruit from California (Am. J. Sc. 259, 1961, 441-446, 2 pl.).  
Onoana n.g., tentatively referred to Icacinaceae.
- Charlton, F.G.: Hydrology in Malaya - Rainfall (Mal. For. 24, July 1961, 180-189, fig., tabl.).  
Variations of rainfall intensity.
- Chiang, Young-meng: Marine algae of Northern Taiwan (Taiwania 7, 1960, 51-75, 3 fig., 1 pl.).  
Enumeration.
- Chidderwar, P.P.: Contributions to our knowledge of the Cerco-sporae of Bombay State II (Fungi) (Ind. Phytopath. 12, 1961, 111-121, illustr.).  
31 spp. listed.
- Chona, B.L. & G. Lall: A new powdery mildew disease of Carica papaya in India (Fungi) (Ind. Phytopath. 12, 1961, 186).  
A Brazilian Oidium reported from India.
- , ----- & R.L. Munjal: Some Cercospora species from India I (Fungi) (Ind. Phytopath. 12, 1959, 76-84).
- Chowdhury, S.: Notes on Fungi of Assam III (Lloydia 21, 1958, 152-156, 4 fig.).

- : Notes on Fungi of Assam IV (Lloydia 24, 1961, 94-96, 3 fig.).
- Clausen, J.: Introgression facilitated by apomixis in polyploid Poas (Gram.) (Euphytica 10, 1961, 87-94).
- Coolhaas, C., H.J.de Fluiter & H.P.Koenig: Kaffee (Rub.) (Trop.& Subtrop.Weltwirtschaftspflanzen III.Teil, 2.Bd, 1960, vii + 315 pp., 54 tab., 84 illustr.).
- Coombe, D.E.: An analysis of the growth of Musanga cecropioides (Morac.) (J.Ecol. 50, 1962, 221-234, 3 fig.).
- Corner, E.J.H.: A note on Wiesnerina (Cyphellaceae) (Fungi) (Trans.Brit.Mycol.Soc. 44, 1961, 230-232, 2 fig.).
- : Impact of man on the vegetation of the humid tropics (Nature 189, 1961, 24-25).  
Concise report on the Goroka Symposium convened by Unesco in East New Guinea.
- : Evolution (from Contemporary Botanical Thought 1961, 95-114, 1 fig.).  
Phylogeny, structure, ecology merged into an interesting synthesis of general importance, illustrated by the genus Ficus and its moraceous characters.
- : Taxonomic notes on Ficus Linn., Asia and Australasia. Addendum (Morac.) (Gard.Bull.Sing. 18, 1961, 83-97). Largely new spp. from New Guinea, New Britain and Bougainville, and one from each Borneo and Celebes.
- : Ficus in the Pacific region (Morac.) (Mimeoogr. distributed at 10th Pac.Sc.Congr., 13 pp.).  
A most interesting contribution treating taxonomic relationships together with geographic distribution, which we hope will soon be printed. Figs are obviously ancient, as shown by the peculiar positions of New Caledonia and Madagascar species, and the remarkable transpacific relationships.
- Cribb, A.B.: Some marine Algae from Thursday Island and surrounding areas (Univ.Queensl.Pap.Dep.Bot. 4 (5), 1961, 51-59, 1 fig.).
- Croegaert, J.: Etude pédologique des couches organiques des forêts périodiquement inondées dans la Cuvette Centrale congolaise (Bull.Agric.Congo 52, 1961, 653-657). How to fertilize eroded and depauperated soils with raw swamp soils for enrichment with organic substances.
- Cufodontis, G.: Über den Umfang und die natürliche Verbreitung der Gattung Pittosporum (Pittosp.) (Bol.Soc.Brot. 34, 1960, 159-176, 1 pl.).

- Cummins, G.B.: A new rust on Finschia chloroxantha in New Guinea (Papua & N.G.Agric.J. 14, 1961, 52, 1 fig.).  
Puccinia finschiae n.sp. First Puccinia and one of the few rusts on Proteaceae.
- Dawson, J.W.: Interrelationships of the Australasian and South American floras (Tuatara 7, 1958, 1-6, map).  
A short review of the situation; no one agency has been responsible for the floristic links between widely separated areas in the Pacific; in the cases of Hawaii and the south-circumpolar flora transoceanic dispersal is probably the explanation while in the case of the Australian-South American links probably land connections have also played a part.
- : The New Zealand lowland podocarp forest. Is it subtropical? (Tuatara 9, 1962, 98-116, 8 fig.).  
Description of composition and structure. Why it is not called subtropical to warm-temperate rain-forest is not clear to me. --v.St.
- Degener, O. & I. Degener: A new Dodonaea from Molokai, Hawaii (Sapind.) (Phytologia 7, 1961, 465).
- & ----- : Gouldia in Hawaii (Rubiac.) (Phytologia 7, 1961, 465-467).
- Deighton, F.C.: Five new Meliolas from South-East Asia (Fungi) (Sydowia 11, 1958, 40-43).  
From Malaya and Philippines.
- Descoings, B.: Un genre méconnu de Vitacées: Compréhension et distinction des genres Cissus L. et Cyphostemma (Planch.) Alston (Vitac.) (Not.Syst. 15, 1960, 113-125). Numerous new comb. but all invalidly published.
- DeVol, Ch.E.: The Gleicheniaceae of Taiwan (Gleich.) (Taiwania 7, 1960, 17-31, 5 pl.).
- Dodson, C.H. & G.P. Frymize: Natural pollination of orchids (Mo.Bot.Gard.Bull. 49, 1961, 133-152, 15 fig.).  
Interesting observations on insect pollinated advanced American orchids.
- Doida, Y.: Consideration of intrageneric differentiation in Polygonum I (Polygon.) (J.Jap.Bot. 37, 1952, 81-88, 1 fig., ancestral tree).  
On basis of pollen grains.
- Duke, J.A.: Preliminary revision of the genus Drymaria (Caryoph.) (Ann.Mo.Bot.Gard. 48, 1961, 173-268, 18 fig.).  
D.cordata and D.villosa Cham.& Schlecht. (D.hirsuta Bartl.) occur introduced in Mal.; 48 spp. are recognized in all.

Duruz, A.: Etude anatomique des stomates chez les Orchidées des régions tropicales (Bull. Soc. Fribourgoise Sc. Nat. 50, 1960, 207-240, 14 fig.).

Edlin, H.L.: A critical revision of certain taxonomic groups of the Malvales (The New Phytologist 34, 1935, 1-20, 122-143).

Egolf, D.R.: A cytological study of the genus Viburnum (Scroph.) (J. Arn. Arb. 43, 1962, 132-139, 15 fig.). Chromosome numbers.

Evans, O.D.: Typhonium brownii Schott and some allied species (Arac.) (Contr. N.S.W. Nat. Herb. 3, 1961, 85-87, 1 pl.). Key to 3 spp.

----- : Araceae (Contr. N.S.W. Nat. Herb. flora ser. no 22, 1962, 5-13).

----- & L.A.S. Johnson: Palmae (Contr. N.S.W. Nat. Herb. flora ser. no 21, 1962, 1-6).

Everist, S.L. & S.T. Blake: Features of the Queensland Flora (A.N.Z.A.A.S. Handb. 1961, 5 pp.).

A concise general survey of vegetation, subdivided into rain-forest, eucalyptus forest, acacia shrubs, grasses, heath and littoral vegetation.

Faber, P.F., J. Luytjes & W. Vink: Agathisbosinventarisatie in het Tor-Biri gebied (O. Sarmi), 1958-1959 (Mimeogr. 1960, Boswezen N.G. Appendix II gives forest composition).

Farnsworth, N.R.: The pharmacognosy of the Periwinkles: Vinca and Catharanthus (Apoc.) (Lloydia 24, 1961, 105-138, 7 fig.).

Forman, L.L.: The Menispermaceae of Malaysia IV. Cocculus A.P. DC. (Kew Bull. 15, 1962, 479-487). 2 spp. with considerable synonymy.

----- : A new genus in the Fagaceae (Taxon 11, 1962, 139-140). Trigonobalanus verticillatus n.g.n.sp., a remarkable new genus found in North Borneo and Celebes.

Fosberg, F.R.: The vegetation of Micronesia I. General descriptions, the vegetation of the Marianas Islands, and a detailed consideration of the vegetation of Guam (Bull. Amer. Mus. Nat. Hist. 119, 1960, 1-75, 40 pl., 1 map).

Short bibliography. The photographs are beautiful.

----- : Scaevola sericea Vahl versus S. taccada (Gaertn.) Roxb. (Gooden.) (Taxon 10, 1961, 225-226).

- , B.J.Garnier & A.W.Küchler: Delimitation of the humid tropics (Geogr.Review 51, 1961, 333-347, 2 maps). Maps on climatical and vegetational criteria.
- & R.F.Thorne: Vascular plants of Heron Island (Atoll Res.Bull. no 82, Dec.1961, 5-13). Plants listed.
- Fujita, Y.: Classification and phylogeny of the genus Podocarpus by the constituents of essential oils (Conif.) (J. Jap.Bot. 36, 1961, 181-182, 1 fig.). Mostly in Japanese language unfortunately.
- Gandhi, H.P.: The Diatom-flora of the Bombay and Salsette Islands II (Nova Hedwigia 3, 1961, 469-506, pl.123-127).
- Gangulee, H.C.: Mosses of Eastern India I. Eubryinales ser. I. Fissidentales (Bull.Bot.Soc.Bengal 11, 1960, 59-84, fig.1-22). 45 spp. of Fissidens.
- Ghosh, S.S. & B.S.Negi: Anatomy of Indian bamboos I (Ind.For. 86, 1960, 720-727, 17 fig.).
- Gonsalves, E.A. & N.D.Kamat: New species of Cyanophyceae from Mysore State I (J.Bomb.Nat.Hist.Soc. 57, 1960, 454-456, t.1-2). 3 spp. descr.
- Goodwin, G.H., W.T.Stearn & A.C.Townsend: A catalogue of papers concerning the dates of publication of natural history books. Fourth supplement (J.Soc.Bibl.Nat.Hist. 4, Jan.1962, 1-19). An important supplement.
- Govindu, H.C. & M.J.Thirumalachar: Notes on some Cercosporae of India 8 (Fungi) (Sydowia 10, 1957, 271-277, 4 Taf.).
- Gray, Netta E.: A taxonomic revision of Podocarpus XIII. Sect. Polypodiopsis in the South Pacific (Conif.) (J.Arnb.Ar. 43, 1962, 67). 5 spp.; key; descr.; interesting introduction on the South Pacific distribution: Moluccas to Fiji and Andean America. One n.sp. from Morotai.
- Green, P.S.: Studies in the genus Jasminum I. Sect.Alternifolia (Oleac.) (Not.R.Bot.Gard.Edinb. 23, 1961, 355-384, map). Revision of this small but interesting group; distr. from Madeira to China.
- : Studies in the genus Jasminum II. The species from New Caledonia and the Loyalty Islands (Oleac.) (J.Arnb.Ar. 43, 1962, 109-131, 4 fig.). Key; descr. of 8 spp.; no novelties.

- : Watercress in the New World (Crucif.) (Rhodora 64, 1962, 32-43, 3 fig.).
- Guillaumin, A.: Les palmiers de la Nouvelle Calédonie (Palm.) (J. Agric. trop. & bot. appl. 8, 1961, 57-64).  
Key to genera and to Basselinia spp., the others listed only.
- Gupta, A. L.: Illustrations of Indian plants I. Clematis (Ranunc.) (Bull. Nat. Bot. Gard. Lucknow, India no 54, 1961, 21 plates).  
A selection of 20 Indian species, depicted with details.
- Gutzwiller, M.-A.: Die phylogenetische Stellung von Suriana maritima L. (Simaroub.) (Bot. Jahrb. 81, 1961, 1-49, 44 fig., 1 Taf.).  
Affinity with Chrysobalaneae, Connaraceae and Sapindaceae of the Geriales and should represent a separate family.
- Haag, W. G.: The Bering Strait land bridge (Scient. American J Jan. 1962, 112-123, 9 maps).
- Hafsten, U.: Pleistocene development of vegetation and climate in Tristan da Cunha and Gough Island (Arbok Univ. Bergen Math. Naturv. ser. 1960, no 20, 1-48, 8 pl.).  
Subfossil pollen grains of Nothofagus in peat are supposed to be windborne from Fuegia at c. 4500 km distance; allochthonous origin is similarly assumed for some other rare pollens of plants which do not occur in these islands, e.g. Ephedra and Polemonium.
- Hallé, F.: Contribution à l'étude biologique et taxonomique des Mussaendeae d'Afrique tropicale (Rubiaceae) (Adansonia 1, 1961, 266-298, 13 pl.).  
Beautifully illustrated account.
- Hamann, U.: Merkmalsbestand und verwandtschaftsbeziehungen der Farinosae (Willdenowia 2, 1961, 639-768, 4 Karten).
- Hanelt, P.: Eine neue Lysimachia-Art aus Honan (China) (Primul.) (Fedde, Rep. 64, 1962, 231-233).
- Hansen, B.: Studies in the Flora of Thailand. Sphagnaceae (Musci) (Dansk Bot. Ark. 20, 1961, 89-108, 10 fig.).
- Hansford, C. G.: Tropical fungi 6. New species and revisions (Sydowia 10, 1957, 41-100).
- : The Meliolineae. A monograph (Fungi) (Beih. z. Sydowia; Ann. Myc. ser. II; 2, 1961, 806 pp.).  
Arranged by host families of Phanerogams.

- Harrison, T. & A.K. Marican Salleh: Nuts and Malays on Tandjong Datu (Dipt.) (Sarawak Mus.J. 9, 1960, 654-669; 1961). Details on the collecting of illipe nuts (*Shorea* spp.) in Sarawak, their use, treatment, etc.
- Hasan-Iljas, B.: Some notes on the flower biology in black pepper (*Piper nigrum* L.) (*Piper.*) (Contr.Gen.Agric.Res. Stat.Bogor no 157, 1960, 1-22, 10 fig.). *Piper* is not pollinated by wind or water but by falling pollen; autogamy may take place also.
- Hatusima, S.: Taxonomic study of the genus *Eurya* from the Ryukyu Archipelago (Theac.) (Mem.Fac.Agric.Kagoshima Univ. 4, 1960, 21-26).
- : On a few *Dioscorea* from the Ryukyus (*Diosc.*) (J.Jap. Bot. 36, 1961, 236-238). Enumeration, 3 spp.
- : A new epiphytic *Vaccinium* from the Ryukyus (*Eric.*) (J.Jap.Bot. 37, 1962, 13-15, 1 fig.).
- Hauke, R.L.: A resume of the taxonomic reorganisation of *Equisetum* subg.*Hippochaeta* II (*Equis.*) (Am.Fern J. 52, 1962, 29-35). Incl. *E.ramosissimum*.
- Hawkins, A.S.M.: Pokok Buah Raja Hairan (*Entada spiralis*) (Legum.) (Mal.Nat.J. 15, 1961, 183-186). Rather popular notes.
- Heywood, V.H.: The taxonomic treatment of ecotypic variation (Syst.Assoc.(Engl.) Publ. 3, 1959, 87-112).
- Hill, P.J.R. & B.C. Stone: The vegetation of Yanagi islet, Truk, Caroline Is. (Pac.Sc. 15, 1961, 561-562). Small low islet with volcanic rock pavement on the shores. The complete absence of coralline rock and soils is possibly responsible for absence of *Scaevola*, *Messerschmidia*, *Terminalia*, and *Soulamea*.
- Hillis, L.W.: A revision of the genus *Halimeda* (Algae) (Inst. Marine Sci. 6, 1959, 321-403).
- Hillis, W.E. & H.R. Orman: The extractives of New Zealand *Nothofagus* species (Fagac.) (J.Linn.Soc.Lond. Bot. 58, 1962, 175-184). The results obtained from chromatography are in accordance with the systematical outcome with the only difference that chemically *N.truncata* seems to be more allied with *N.solandri* than with *N.fusca*. We wait with pleasure on the results of the investigations on other species of the genus.

Hillman, W.S.: The Lemnaceae, or duckweeds (Bot. Rev. 27, 1961, 222-287).

A review of the descriptive and experimental literature on the family. Literature has been arranged alphabetically under authors, preceded by a discussion on the state of our knowledge, grouped under the following main headings: descriptive: systematics, morphology, anatomy, natural history; experimental: introduction, vegetative growth, heterotrophic growth, chemical growth, promotions etc., developmental physiology, and miscellaneous topics for future investigation.

Holttum, R.E.: Pteridium (Bracken) in the Malay Peninsula (Pterid.) (Mal. Nat. J. 15, 1961, 75-77).

Bracken occurs in two species in Malaya, *P. aquilinum* and *P. caudatum* of which the varieties are given.

: Studies in the Flora of Thailand. Filicinae excl. of the Uphioglossaceae (Pterid.) (Dansk Bot. Ark. 20, 1961, 11-35).

: Plant taxonomy as a scientific discipline (The Advancement of Science 18, no 73, 1961, 1-9, 8 photogr.). Presidential address to section K of the British Association meeting in 1961 in Norwich. To see clearly something never seen before is a creative act. Remarks are made on the relation between taxonomic facts and conclusions. A brief evaluation of Bower's work in the ferns, and remarks on the state of knowledge in orchids, gingers, bamboos, and sedges.

: & U. Sen: Morphology and classification of the tree ferns (Phytomorphology 11, 1961, 405-420, 6 fig. (1962)).

Hou, Ding: A review of the genus Rhizophora, with special reference to the Pacific species (Rhizoph.) (Blumea 10, 1960, 625-633, 1 map).

Monography; 7 spp. recognized of which 6 occur in the Indo-Pacific Oceans; only *Rh. racemosa* has not yet been found in Pacific America.

Howard, R.A.: The correct name for "Diospyros ebenaster" (Eben.) (J. Arn. Arb. 42, 1951, 430-436).

: & T. Norrlindh: The typification of Diospyros ebenum and Diospyros ebenaster (Eben.) (J. Arn. Arb. 43, 1962, 94-102, 5 pl.).

Huang, Toeng-chieng: Notes on the Arisaema of Taiwan (Arac.) (Taiwania 7, 1960, 93-103, 13 fig.).  
Key.

- Hume, H.H.: The Ophiopogon-Liriope complex (Liliac.) (Baileya 9, 1961, 135-158, fig. 48-60).
- Hürliman, L.: Hepaticae aus dem Gebiete der südlicher Pazifik I (Bauhinia 1, 1960, 251-260, 1 fig.).
- Hutchinson, J.: The history and relationships of the world's cottons (Malv.) (Endeavour 21, 1962, 5-15, 4 maps). Detailed history of the cultigens in the Old world and New world.
- Inoue, H.: Two interesting species of Plagiochila from Formosa (Hepat.) (J.Jap.Bot. 34, 1959, 91-96, fig. 1-2).
- Iwatsuki, A.: A Hawaiian Thelypteroid fern with peltate indusia (Pterid.) (Am. Fern J. 51, 1961, 86-88).
- Jacobs, M.: Plant life on Mount Kinabalu (Mal.Nat.J. 15, 1961, 134-139, map, photogr.). Some general notes.
- : The generic identity of Melia excelsa Jack (Meliac.) (Gard.Bull.Sing. 18, 1961, 71-75, 5 fig.). It is transferred to Azadirachta; new comb.; key to both spp. of this genus.
- : Pometia (Sapindaceae). A study in variability (Reinwardtia 6, 1962, 109-144). Two spp. are distinguished, 1 restricted to Malaya and North Sumatra, the other a wide, ranging from Ceylon and the Andamans to Formosa and Samoa; it is very variable and 8 forms occur.
- Jacques-Félix, H.: Les Graminées d'Afrique tropicale I. Généralités, classification, description des genres (I.R.A.T.Paris, Bull.Scient. no 8, 1962, 345 pp., 254 fig.).
- Jafri, S.M.H.: Revision of the genus Atelanthera Hook.f. et Thoms. (Crucif.) (Biologia, Lahore 6, 1960, 163-168, 2 fig.).
- Jayaweera, M.A. & R.A. Howard: The genus Duabanga in cultivation (Sonner.) (Baileya 10, 1962, 8-13, 3 fig.). Ample descriptions, also seedlings; chromosomes. Curiously the data in Flora Malesiana have carefully been omitted to mention.
- Jeffrey, C.: Notes on Cucurbitaceae including a proposed new classification of the family (Kew Bull. 15, 1962, 337-371). African spp. and genera followed by a provisional more comprehensive survey; numerous new comb. Very important paper.

John, R.: Studies in the Indian aquatic Fungi 4. Catenaria sphaerocarpa on Spirogyra sp. (Proc. Ind. Ac. Sc. 50B, 1959, 259-266, 10 fig.).

Johnson, A.: The genus Ceratopteris in Malaya (Pterid.) (Gard. Bull. Sing. 18, 1961, 76-81).

There seem to be two species in Malaya (and most probably in the whole of Malaysia) to which a key is given.

Johnston, A.: A supplement to a short list of plant diseases in Malaya (Fungi) (Mycol. Papers no 77, Commonwealth Mycol. Inst. Kew 1960, 30 pp.).

Johnston, M.C.: The North American mesquites, Prosopis sect. Algarobia (Legum.) (Brittonia 14, 1962, 72-90). 6 spp. distinguished, formerly included under P. juliflora.

Jovet-Ast, S.: Colura du Sud-Vietnam (Hepat.) (Rev. Bryol. Lich. n.s. 30, 1961, 5-12, fig. I-IV). Enumeration of 9 spp.

Kahlo, G.: Die Naturkenntnis der Indonesier im Spiegel ihrer Sprache (Nova Acta Leop. N.F. 22, 1960, no 145, 1-64, t. 1-8).

Ethno- and linguistic-botanical matter.

Kaul, K.N.: Anatomy of plants. 1. Palms (Bull. Nat. Bot. Gard. Lucknow, India no 51, 1961, 52 pp., 1 pl., 1 map). Plate of fibrovascular bundles of 14 spp. Map represents geogr. distr. of palms, living and fossil (except Polynesia). Text mainly a compilation of literature and discussion.

Keiding, H.: Budding and grafting of teak (Verben.) (Nat. Hist. Bull. Siam Soc. 20, 1961, 27-39, 8 photogr.).

Kern, J.H.: Florae Malesianae precursores XXV. Notes on Malaysian and some S.E. Asian Cyperaceae VIII (Blumea 10, 1960, 635-651, 3 fig.).

Novelties in Fimbristylis; a new Lipocarpha from Cambodia; addit. correct. on Camus's account of Cyper. of Indo-China; and many miscellaneous notes.

: Florae Malesianae precursores XXX. The genus Scleria in Malaysia (Cyper.) (Blumea 11, 1961, 140-218, 9 fig.). Morphology; Diplacrum included; keys to and descr. of 34 spp.

: Viburnum amplificatum Kern, an endemic wayfaring tree from Borneo (Caprif.) (Sarawak Mus. J. 9, 1960, 679-681, 1 fig. (1961)).

Emended descr. with flowering material.

----- : Cyperaceae of Thailand II (Reinwardtia 6, 1962, 145-154).

Largely consisting of Kerr numbers; three spp. new for Thailand.

Kitamura, Siro: Flora of Afghanistan (Results of the Kyoto University Scientific Expedition to the Karakoram and Hindukush, vol.II, 1955, 486 pp., 105 fig., 2 maps). A beautifully illustrated and well printed important work with an 18-page general introduction; the species are systematically arranged in an enumeration; there are several new spp. Besides the results of the 1955 expedition. After many spp. there is no collection mentioned so that it seems that a complete flora was intended. The intention was partly to collect useful plants, Aegilops, and others, partly a desire to know the flora of the utmost western frontier of the Sino-Japanese flora.

Nobuski, C.E.: Studies in the Theaceae XXXII. A review of the genus Ternstroemia in the Philippine Islands (J.Ar. Arb. 42, 1961, 263-275).

3 spp. and 1 var. keyed out and described.

----- : Variation in the fruit of Ternstroemia kwantungensis Merr. (Theac.) (J.Ar. Arb. 42, 1961, 427-429).

Kochummen, K.M.: Precocious flowering (paedogenesis) in Dipterocarpaceae (Mal.For. 24, July 1961, 256, 2 fig.).

"Four *Dipterocarpus oblongifolius* Bl. seeds were sown in the For.Res.Inst. nursery on 11.9.60 and the potted seedlings were found to have flowered on 3.4.61 at the age of about seven months. The flowers appeared normal except that the petals were wider than those of flowers of matured trees of the species. All the flowers dropped within a week. As far as I am aware this is the first time a species of the family Dipterocarpaceae has been found flowering precociously".--Kochum.

Koesnadi P. Satmoko, R.: Udjung-kulon Nature Park, Java (Nat. Cons. West Malaysia 1961, 107-124, map, 3 photogr.).

Contains a list of the commoner plants growing in the park.

Honing-Vrolijk, G.M.C., S.M. Jutte & T.Hof: Properties of New Guinea woods I (Nova Guinea Bot. no 10, 1962, 137-175, 13 fig., 2 plates, 8 tables).

Anatomical and technical; *Dillenia papuana*, *Koordersiodendron*, *Manilkara fasciculata*, *Pericopsis mooniana*, *Pometia pinnata*.

- Kostermans, A.J.G.H.: The genus Burretiodendron Rehder (Tiliaceae) (Reinwardtia 6, 1961, 1-16, 7 fig.). Monogr.; 7 spp. keyed out, among which 2 new.
- : The New World species of Cinnamomum Trew (Lauraceae) (Reinwardtia 6, 1961, 17-24). New world spp. of Phoebe are referred to Cinnamomum; 68 new comb. or new names listed.
- : Miscellaneous botanical notes III (Reinwardtia 6, 1962, 155-187, 13 pl.). Largely devoted to Lauraceae; new Abarema; new Heritiera; new Firmiana; Teysmanniodendron reinstated; Mammea timorensis descr.em.; Septogarcinia n.g. from Sumbawa, a new genus in flower similar to Garcinia but with dehiscent fruits. The new genus Septogarcinia is distinguished only by dehiscent fruits from Garcinia. In such large genera there are always one or a few peculiar species, Ficus dammaropsis in Ficus, Ilex opposita (with opposite leaves), a Fagraea with dehiscent berry, a Capparis with dehiscent fruit. Though highly interesting, it seems not wise to give such aberrant species generic status.
- : The Asiatic species of Persea Mill. (Laur.) (Reinwardtia 6, 1962, 189-194). The Asiatic genus Machilus is combined with Persea and 57 new combinations are made.
- Koyama, T.: Classification of the Cyperaceae I (J.Fac.Sc.Univ. Tokyo sect.III Bot.8, 1961, 37-148).
- : Taxonomic studies of Cyperaceae 12 (Natur.Canad. 88, 1961, 237-252). Scirpus from China; notes on Machaerina; new Carex from Bhotan.
- & Tsan-iang Chuang: Contributions to the cyperology of Taiwan and the Ryukyus (Cyper.) (Quart.J.Taiwan Mus. 13, 1960, 223-230). 1 new Carex; a new comb. in Fimbristylis.
- Kuwahara, Y.: The genus Metzgeria in Pacific Oceania (Hepat.) (J.Hattori Bot.Lab. 23, 1960, 3-28, 10 fig.). Revision Polynesia and Micronesia; key.
- Lam, H.J.: Reflections on Angiosperm phylogeny. Facts and theories (Proc.Non.Ned.Ak.Wet. ser.C 64, 1961, 251-276, 11 fig.).
- Lamoureux, Ch.H.: Botanical observations on Leeward Hawaiian Atolls. I. Notes on the plants of Kure Atoll (Atoll Res.Bull. no 79, Dec.1961, 6 pp., 1 photogr.). Plants listed.

- : Botanical observations on Leeward Hawaiian Atolls II.  
Vascular plants of Tern Island, French Frigate Shoal  
(Atoll Res.Bull. no 79, Dec.1961, 7-10).  
Plants listed.
- Lange, A.H.: Effect of the sarcotesta on germination of Carica papaya (Caric.) (Bot.Gaz. 122, 1961, 305-311, 6 fig.).  
The sarcotesta has an inhibiting effect on germination of the seed.
- Larsen, K.: Studies in the Flora of Thailand. Liliaceae, Triuridaceae, Trilliaceae, Iridaceae, Polygonaceae (Dansk Bot.Ark. 20, 1961, 36-54, fig.1-4).
- Lauener, L.L.: Catalogue of the names published by H. Léveillé II (Not.R.Bot.Gard.Edinb. 24, 1962, 73-78).  
Evaluation of herbaceous spp.
- Lazarides, M.: The genus Ottochloa Dandy in Australia and its relationship to Ichnanthus oblongus Hughes (Gram.) (Austr.J.Bot. 9, 1961, 209-215, 5 fig.).  
Key to 2 spp., one of which also in Malaysia.
- Lee, R.: Chromosome numbers in the Gesneriaceae (Baileya 10, 1962, 33-45).  
List; numbers run from 8-16.
- Lee, Y.L.: Some aspects of shifting cultivation in British Borneo (Mal.For. 24, April 1961, 102-109, 2 maps, 2 photogr.).
- Leeuwenberg, A.J.M.: The Loganiaceae of Africa III. Spigelia L. (Acta Bot.Neerl. 1, 1961, 460-465, 1 map, 1 fig.).  
Only S.anthelmia L.
- Leroy, J.F.: Un deuxième Aphananthe du Mexique (Ulmac.) (J. Agric.trop.& bot.appl. 8, 1961, 72-74).  
1 comb.nov.
- Léveillé, H.: Catalogue of the names published by Henri Léveillé (Not.R.Bot.Gard.Edinb. 23, 1961, 573-596).  
Start of a series of papers on evaluation of Léveillé's herbaceous species described from China. Contains the families Ranunculaceae, Illiciaceae, Schisandraceae, and Magnoliaceae.
- Lewis, W.H. & M.Elvin-Lewis: Medium for growing small rubaceous seeds from herbarium material (Castanea 26, 1961, 146-155).  
Sterilization of seeds necessary; best by antibiotics; gibberellates were used as stimulators.
- Liu, Tang-shui & Tseng-chieng Huang: Dioscorea kaoi, a new yam from Taiwan (Diosc.) (Taiwania 7, 1960, 33-34, pl.1).

Löve, A.: The biosystematic species concept (Preslia 34, 1962, 126-139).

----- & D. Löve: Chromosome numbers of Central and Northwest European plant species. Introduction (Opera Botanica Lund 5, 1961, 1-15, 1 fig.).

Introduction to a book in which chromosome numbers are given of 6850 taxa.

----- & ----- : Chromosome numbers of Central and Northwest European plant species (Opera Botanica Lund 5, 1961, 1-581).

Very important for cytobotany.

Lowe, J.: The phylogeny of the Monocotyledons (The New Phytol. 60, 1961, 355-371).

Through Sporne's "advancement index"; result not very satisfactory.

Ma Khin Sein: Nothofagus pollen in the London Clay (Fagac.) (Nature 190, 1961, 1030-1031).

In addition to pollen of Restionaceae and Proteaceae the author believes to have found Nothofagus pollen in the London Clay (Eocene). She thinks that this forms part of the temperate element in the London Clay flora (with Fagaceae, Cercidiphyllaceae, Betulaceae, and Ulmaceae). A most peculiar situation, because it contains also a tropical element in the megafossils. Recently Dr.R.A.Couper found the record based on an erroneous identification (Ed.).

Macnae, W. & M.Kalk: The ecology of the mangrove swamps at Inhaca island, Moçambique (J.Ecol. 50, 1962, 19-34, 2 fig.).

Maekawa, Fumio: Evolutional significance of chromosome number in Polycarpicace (Preliminary note) (J.Jap.Bot. 36, 1961, 385-388).

Interesting aspect of polyploidy which may account for many derivatives from the original basic number  $n = 5$ , by polyploidy and subsequent reductions.

----- : Major polyploidy with special reference to the phylogeny of Oleaceae (J.Jap.Bot. 37, 1962, 25-27, t.1).

Mall, L.P.: Ecology of temporary pools during dry phase. 1. Structure of soil and plant community (J.Ind.Bot.Soc. 40, 1961, 139-163, fig.1-4).  
Weed communities.

Markgraf, F.: Zur Kenntnis von Gnetum neglectum Bl. (Gnet.) (Blumea 10, 1960, 431).  
Description of ♂ flowers.

Mason, R.: Dispersal of tropical seeds by ocean currents (Nature 191, 1961, 408-409).

Observations in Auckland, New Zealand; 7 out of 22 seeds of *Entada* germinated in a greenhouse; list of other seeds and fruits found.

McClure, F.A.: Toward a fuller description of Bambusoideae (Kew Bull. 15, 1961, 321-324).

McCullly, M.E. & H.M. Dale: Heterophylly in Hippuris, a problem in identification (Halor.) (Canad.J.Bot. 39, 1961, 1099-1116, 5 fig., 1 pl.).

There is great uniformity of foliar morphology on plants from stocks of diverse origin when grown under uniform conditions, and there is wide diversity of foliar morphology on plants of the same stock material when grown under different environments in the laboratory. Thus the taxonomic subdivision of genus *Hippuris* into species, varieties and forms using leaf morphology as the main criterion appears questionable.

Meeuse, A.D.J.: Marsiliales or Salviniales - "Living fossils?" (Acta Bot.Neerl. 10, 1961, 257-260, 2 fig.).

Arguments for deriving Marsileaceae from Glossopteridales and Salviniales from Lyginopteridales.

---- : The Pentaxyloales and the origin of Monocotyledons (Proc.Kon.Ned.Ak.wet.A'dam C 64, 1961, 543-559, 3 fig.). Suggestion of a Jurassic ancestor of the Monocots.

Mehra, P.N. & Malik: Ophiopogon intermedius. A species complex in western Himalayas (Liliac.) (48th Ind.Sc.Congr. III, 1960, Abstr.292).

Menard, H.W.: The East-Pacific Rise (Science 132, 1960, 1737-1746, 7 fig.).

Merola, A.: Ecologia del Cyperus polystachyus Rottb. nelle sue stazioni eterotopiche dell'isola Ischia (Cyper.) (Del-pinoa (n.s. Bull.Inst.Org.Bot.Univ.Napoli) 10, 1957, 21-92, 5 tab.& map).

This subtropical and tropical species grows only near the fumaroles in Ischia I. (Gulf of Naples, Italy) in everhot, wet soil; in normal winters all seedlings away from the fumaroles die. Also exper.

Meijer, W.: Report on botanical collecting tour from Kuala Kinabatangan to Keningau Nov.7th-Dec.12th 1960 (Folio mimeographed, 39 pp.).

---- : Bosbouwbotanie in Noord-Borneo (Vakbl.v.Biol. 41, 1961, 169-174).

Concise survey of forest and their problems of regeneration; and the work of the forest botanist.

- : Forest botany in North Borneo (Mimeoogr., folio, 1951, 33 pp.).  
Botanical introduction for forest rangers in exploration work.
- Miller, H.A.: Remarks on the succession of Bryophytes on Hawaiian Lava Flows (Pac.Sc. 14, July 1960, 246-247).
- & E.B. Scott: On the identity of Herberta Sakuraii (hepat.) (Rev.Bryol.& Lichen. 29, 1960, 1-4, 1 fig.).
- & Yoo han Lee: The effects of four "growth-regulating substances" on the development of Brachiolejeunea sandvicensis (Gott.) Evans (hepat.) (Fyton 14 (2), 1960, 141-146, 11 fig.).
- Mirov, N.T.: Note on the relationships of Pinus merkusii (Conif.) (J.Arnb. 43, 1962, 108).  
In § Lariciones.
- Mizushima, M.: Notes on Stellaria in E.Asia (Caryoph.) (J.Jap. Bot. 32, 1957, 245-253).
- Mohlenbrock, R.H.: A monograph of the Leguminous genus Zornia (webbia 16, 1961, 1-141).  
75 spp. are recognized; key; descr.; the number of specimens cited from Malaysia is extremely restricted and no herbarium was borrowed from institutes rich in such material; it is in this respect surprising that more than 7 new species were described from this area.
- Moldenke, H.N.: Additional notes on the genus Vitex I (Verb.) (Phytologia 8, 1961, 21-47).
- : Additional notes on the genus Vitex II (Verb.) (Phytologia 8, 1961, 61-95).
- Monod de Froideville, Ch.: Poaceae subfam. Bambusoideae (in Backer, Bekn.Fl.Java (em.ed.) 20, 1961, fam. 247, 1-35). The final instalment of this Dutch-written mimeograph edition of the concise flora of Java contains also addenda and corrigenda on part 19 (p.36-37).
- Moore Jr, H.E.: A new subfamily of palms. The Caryotoideae (Palm.) (Principes 4, 1950, 102-117, fig. 47-54). Comprises Arenga, Caryota and wallichia; gen. key.
- : Johannesteysmannia. A new name for the palm genus Teysmannia (Palm.) (Principes 5, 1951, 116). Hitherto it was assumed that the genus Teysmannia of which the single species T. altifrons is one of the most remarkable Malayan palms, published in Linnaea 28, dated from 1856 and thus antedated the Apocynaceous Teysmannia Miq. (1857) which is a synonym of Pottsia

Hook. & Arn. Evidently this volume of *Linnaea* was also published in parts and the date for *Teysmannia* is Febr. 1858, although the source from which this new information is derived is not revealed. By the creation of this horrible name the author shows a lamentable disregard for the unwritten code of phytographic fashion in scientific botany. he should either have proposed *Teysmannia* for conservation or at least have chosen a less objectionable substitute, for example *Neoteysmannia* or *Exteysmannia*.

Nair, N.C. & Kusum Nanta: Studies in the Meliaceae IV. Floral morphology and embryology of Azadirachta indica A.Juss. (J. Ind. Bot. Soc. 40, 1961, 382-396, 81 fig.).

Nath, Dewan Mohinder: Taxonomic studies of Burmese medicinal plants (Proc. Burma Med. Res. Soc. 2, 1960, 19-24). List and plea for cooperation.

Nayar, B.K.: Studies in Polypodiaceae VIII. Pyrrosia (Pterid.) (J. Ind. Bot. Soc. 40, 1961, 164-186).

Nevling Jr, L.I.: A revision of the Asiatic genus Linostoma (Thym.) (J. Arn. Arb. 42, 1961, 295-320, 4 fig., 1 map). Morph. and taxon.; 3 spp. keyed and descr.

---- : A revision of the Asiatic genus Enkleia (Thym.) J. Arn. Arb. 42, 1961, 373-396, 9 fig., map). Revision; key; 4 spp. distinguished.

Niering, W.A.: Observations on Puluwat and Gaferut, Caroline Islands (Atoll Res. Bull. no 75, Dec. 1961, 10 pp., 1 fig.). Plants listed; descr. of island.

Noar, N.T.: Studies in pollen morphology I. The New Zealand species of Hydrocotyle L. (Umb.) (New Zeal. J. Sc. 3, 1960, 51-60).

Noguchi, A.: Notulae Bryologicae VI. A small collection of mosses from Thailand and Laos (Musci) (J. Hattori Bot. Lab. 23, 1960, 77-79).

Nuno, M.: Chemism of Cladonia subgenus Clathrina (M.A.) Vain. (J. Jap. Bot. 37, 1962, 77-80, 1 fig., 1 map). Distribution of *Cladonia aggregata*.

Obermeyer, A.A.: A revision of the South African species of Anthericum, Chlorophytum, and Trachyandra (Liliac.) (Bothalia 7, 1962, 669-707).

Ochi, H.: Contributions to the mosses of Bartramiaceae in Japan and the adjacent regions I (Musci) (Nova Hedwigia 4, 1962, 87-105).

- Ohwi, J.: On Arachniodes Bl. (Pterid.) (J.Jap.Bot. 37, 1962, 75-76).  
12 new comb.
- Oomen, H.A.P.C., c.s.: The sweet potato as the staff of life of the Highland Papuan (Convolv.) (Trop.Geogr.Medic. 13, 1961, 55-66, 2 photogr.).
- Ooststroom, S.J. van & Th. Reichgelt: Het geslacht Alternanthera Forsk. in Nederland (Amaranth.) (Gorteria 1, 1961, 2-6, 8 fig.).  
Key and descr. of 3 species (key also in English).
- Pande, S.K. & Ram Udar: Genus Riccia in India III (Hepat.) (Proc.Nat.Inst.Sc.India 25B, 1959, 90-100).  
11 East Himalayan spp., one new.
- Papy, R. & L.l'Herbier: Nouveau catalogue des plantes médicinales de Tahiti (Trav.Lab.for.Toulouse 1957, Art.IV, t.V, 2e éd., vol.1, 28 pp.).
- Percival, M.S.: Types of nectar in Angiosperms (The New Phytol. 60, 1961, 235-281).
- Philcox, D.: An Uncinia from South Georgia (Cyper.) (Kew Bull. 15, 1961, 229).  
New sp.
- Philipose, M.T.: Contributions to our knowledge of Indian Algae. 2. Volvocales, unicellular forms (Proc.Ind.Ac. Sc. 47B, 1958, 287-311, fig.1-69).  
18 spp. descr.
- Plucknett, D.L. & B.C. Stone: The principal weedy Melastomataceae in Hawaii (Melast.) (Pacific Sc. 15, 1961, 301-303).
- Porsild, A.E.: The vascular flora of Liard Hot Springs, B.C. with notes on some Bryophytes (Nat.Mus.Canad.Bull. 171, 1961, 131-197).  
During the Pleistocene the Bering Bridge was never forested; it was either too cold or too dry; the present polar coniferous treeline shows a gap of 1300 km. Hot spring flora: 82 spp. limited to the proximity of the wells. Mostly either northernmost stations or otherwise also in other northern places limited to hot springs (43 spp.); 39 are thermophile.
- Pijl, L.van der: Ecological aspects of flower evolution I. Phyletic evolution (Evolution 14, Dec.1950, 403-416).  
Ecological aspects of flower evolution II. Zoophilous flower classes (Evolution 15, March 1961, 44-59).  
Highly attractive survey, considerations and conclusions; a paper to read and study.

- Raizada, M.B., R.C. Bharadjawa & S.K. Jain: Grasses of the Upper Gangetic Plain. Panicoideae Part 1. Mayideae and Andropogoneae (Ind. For. Rec. n.s. Bot. 4, 1957, 171-277, 12 pl.).
- & K.C. Sahni: Living Indian Gymnosperms. Part I. Cycadales, Gingkoales, and Coniferales (Ind. For. Rec. n.s. Bot. 5 (2), 1960, i-iv, 73-150, 2 maps, 11 page-size photogr., 13 pl. (drawings)).  
An important, very well illustrated treatise with descr. of genera and species and keys to species. Many notes on insects, fungi, etc. accompany the essentially taxonomic treatment. Cultivated spp. are included.
- Ramanujam, C.G.K.: A fossil dicotyledonous wood resembling the modern Tamarindus from the Tertiary rocks of South Arcot District, Madras (Legum.) (The Palaeobotanist 8, 1959, 38-42, 4 fig.).
- Rao, R.S.: Commelina longifolia Lamk and C. salicifolia Roxb. (Commel.) (Taxon 10, 1961, 253-254).  
Lamarck's type was from Java coll. Commerson and has always been known under the name C. salicifolia Roxb. which thus becomes a synonym.
- & G. Panigrahi: Distribution of vegetational types and their dominant species in Eastern India (J. Ind. Bot. Soc. 40, 1961, 274-285).
- Rao, T.A.: A botanical tour in Kashmir State (Rec. Bot. Surv. India 18<sup>2</sup>, 1961, 1-67, map, 14 fig.).
- Rappard, F.W.: Tectona in Nederlands Nieuw Guinea (Verben.) (Nieuw Guinea 9, no 6, Nov. 1961, 4 pp., 5 photogr.).  
South New Guinea seems suitable for teak.
- Raven, P.H.: New combinations in Ludwigia (Onagr.) (Kew Bull. 15, 1962, 476).
- Raymond, M.: Révision des Rhynchosporoideae d'Indo-Chine et de la Thailande (Cyper.) (Nat. Canad. 88, 1961, 8-24).
- Razi, B.A.: A second list of species and genera of Indian Phanerogams not included in Hooker's Flora of British India (Rec. Bot. Surv. India 18<sup>1</sup>, 1959, ii + 56 pp., 40).  
Large list with references.
- Reeder, J.R.: The embryo in grass systematics (Amer. J. Bot. 44, 1957, 756-768, 40 fig.).  
Grass embryos are of either a panicoid or a festucoid type; four important embryo characters are discussed, resulting in a subdivision into 6 groups. The Panicoideae is a natural homogeneous group; the Festucoideae is extremely heterogeneous. Embryo study is much promising.

Reid, D.A.: Notes on Fungi which have been referred to the Thelephoraceae sensu lato (Persoonia 2, 1962, 109-169, 59 fig.).

Reynders, J.J.: Some remarks about shifting cultivation in Netherlands New Guinea (Neth.J.Agr.Sc. 9, 1961, 36-40). Soil control investigations over 20 years cycle.

---- : The Landscape in the Maro and Koembe River district (Boor & Spade 11, 1961, 104-119, 2 col.maps).

Rivals, P.: Les espèces fruitières introduites à l'île de Réunion (Ann.Ec.Nat.Sup.Agron.Toulouse 6 (2), 1958, 1-96, illustr.).

Robbins, R.G.: The montane vegetation of New Guinea (Tuatara 3, 1961, 121-133, 6 fig.).  
Not seen.

Robson, N.K.B.: The author and typification of the genus Ochna (Ochnac.) (Taxon 11, 1962, 48-52).

Roe, M.J.: A taxonomic study of the indigenous Hawaiian species of the genus Hibiscus (Malv.) (Pacif.Sc. 15, 1961, 3-32).

Rogers, D.J. & T.T. Tanimoto: A computer program for classifying plants (Science 132, 1960, 1115-1118).

If the taxonomist is looking for another job because he thinks that the taxonometry has already solved his problems, he is wrong. It is the description of the mathematical method by which 300 cultivars were treated for color of stem, leaf shape, soil type, leaf pubescence, and leaf-lobe length. What the outcome was and for what purpose it was made and whether it was pure chance on what soils they were found, this all remains a mystery behind the formules. Systematic classification is a matter of art and infallible judgement; how this can be made by machines without judgement is not clear.

Royer, P. van: Revision of the Sapotaceae of the Malaysian area in a wider sense XXIII. Palaquium Blanco (Blumea 10, 1960, 432-606, 25 fig., 1 map).

A complete monogr.

---- : A new species of Eriocaulon from Sumatra (Eriocaul.) (Blumea 11, 1961, 224-225, 1 fig.).  
A North Sumatra highland sp.

---- : Sertulum Papuanum 5. Nymphaeaceae (Nova Guinea, Bot. no 8, 1952, 103-125, 7 fig., 4 photogr.).  
Revision which almost comprises all Mal.spp. No novelties.

- : Sertulum Papuanum 6. Himantandraceae (Nova Guinea Bot. no 9, 1962, 127-135, 5 fig., 3 photogr.). Monograph, 1 sp. recognized.
- Ruinen, J.: The Phyllosphere. 1. An ecologically neglected milieu (Plant and Soil 15, 1961, 81-109, 3 fig., 9 photogr.). Investigations in the microbial epiphyllous vegetation and its possible role with regard to nitrogen fixation in tropical vegetation.
- Russell, L.S.: Fossil mammals and intercontinental connections (Evolution, its science and doctrine 1959 (1960) 63-78). Discussion of importance and availability of North-Atlantic connection, Beringia, and Panama isthmus, during the Tertiary. The author accepts all three land-bridges, Beringia having been the best one.
- Ryberg, M.: A morphological study of the Fumariaceae and the taxonomic significance of the characters examined (Act. Hort.Berg. 19, 1960, 121-248, 12 pls).
- Sachet, M.-H.: Geography and ecology of Clipperton Island (Atoll Res.Bull. 86, 1962, 1-115). Results of a stay Aug. 7-Sept. 25, 1958, correlated with the history, hence a kind of monograph of this islet situated at  $10^{\circ} 18' NL$  and  $109^{\circ} 13' long.$  Climate, topography, ecology, fauna and flora. Phanerogams are of beach and Barringtonia formation type and aliens.
- Sampath, S.: Notes on the taxonomy of the genus Oryza (Gram.) Tokyo Bot.Gaz. 74, 1961, 269-270). 7 spp. are discussed in brief notes.
- Santapau, H. & Z.Kapadia: Critical notes on the Orchidaceae of Bombay State V. Eulophia R.Br. & Aërides Lour. (J.Bomb. Nat.Hist.Soc. 58, April 1961, 53-67, pl.xxvi-xxx). Eulophia with 6, Aërides with 3 spp.
- & V.Ratet: Critical notes on some Convolvulaceae of Bombay (Prof.S.P.Agharkar Comm. vol. 1961, 13-22, 4 fig.). No novelties.
- Sastri, R.L.N.: Studies in Lauraceae III. Embryology of Cassythia (Laur.) (Bot.Gaz. 123, 1962, 197-206, 61 fig.). The genus should not be considered as a separate family.
- Schotsman, h.D.: Note sur le Callitricha antarctica Engelm. (Callitr.) (T.A.A.F. no 17, 1961, 51-57, 1 pl.). The Tasmanian and Kerguelen plants are specifically different.

Schroo, H.: Some pedological data concerning soils in the Baim Valley, Netherlands New Guinea (Bull. Agric. Res. Stat. Manokwari no 4, 1961, 83-103, 14 photogr.)

Seithe, A.: Die Haararten der Gattung Solanum L. und ihre taxonomische Verwertung (Solan.). (Bot. Jahrb. 81, 1962, 261-336, Taf. 25-28).

The genus Lycianthes should be maintained separate from Solanum.

--- : Notice on typification of Rhododendron (Eric.) (Bot. Jahrb. 81, 1962, 336).

Setten, G.G.K.: A brief note on the history of Forest Research in Malaya (Mal. For. 24, Oct. 1961, 283-289).

Shah, G.L. & D.P. Panthaki: Rhynchosia sericea Span., a new record for Bombay State (Legum.) (J. Bomb. Nat. Hist. 57, 1960, 440-441).

The author omitted the correct name for this species which is R. rothii Bth., cf. Reinwardtia 5 (1960) 441-442.

Sharp, A.J.: Elements in the Tennessee flora with tropical relationships (J. Tennessee Ac. Sc. 30, 1955, 53-56).

Interesting account of the few northern (mostly) one species representations of tropical genera, at c. 35-36 NL, i.e. under subtropical conditions. This proves that these genera are, as a whole, not purely tropical. Further the author has made no distinction between tropical and tropical-montane genera so that Oxalis ranges as a tropical genus; thermo-ecological its range is far wider.

Shaw, H.K. Airy: Notes on Malaysian Euphorbiaceae II-XV (Kew Bull. 14, 1961, 353-397).

A very important paper: Gatnaya Gagn. = Baccaurea; new Sauropus from Borneo; Choriceras Baill. might better be kept separate from Dissiliaria, Ch. tricorne comb. nov.; Sumbavia macrophylla M.A. = Sumbaviopsis albicans; Kunstlerodendron is reduced to Chondrostylis; Deutzianthus Gagn. is recognized as a fourth genus of Joannesiaeae; Podadenia is reduced to Ptychopyxis and the latter is revised with key to spp.; critical note on Botryophora; Cephalomappa is revised; Koilodepas is revised and incl. Calpigne; Oligoceras is removed to Clusiaceae; Syndyophyllum is reported for Sumatra and Borneo; notes on Endospermum and Sebastiania.

- : Notes in Malaysian Euphorbiaceae XVI-XIX (Kew Bull. 14, 1961, 469-475).  
Arachnodes Gagn. is reduced to Phyllanthodendron; Heterocalyx Gagn. to Agrostistachys; Wetra is recorded for Burma; Ostodes villamilii from Borneo is recognized as a new genus Tapoides Shaw.
- : The status of the generic name Anplectrum A. Gray (Melast.) (Kew Bull. 14, 1961, 459-460).  
It is argued that Backeria Bakh.f. is superfluous.
- : Further note on Labisia pumila (Bl.) F.-Vill. (Myrs.) (Kew Bull. 15, 1961, 206).
- : Myrtaceous confusion in New Caledonia (Myrt.) (Kew Bull. 15, 1961, 335-336).  
Correct synon. of 2 spp. of Cupheanthus and Syzygium.
- : On the identity of Helwingia populifolia Spreng. from Bengal (Euphorb.) (Kew Bull. 15, 1962, 419).  
Reduced to Mallotus repandus (Willd.) M.A.
- Shokry Saad: Pollen morphology of Ctenolophon (Linac.) (Bot. Not. 115, 1962, 49-57, 3 fig.).  
Ctenolophon considered to be closest related to Malpighiaceae; pollen described of C.grandifolius from Malaia.
- Sinclair, J.: A new species of Goniothalamus from peat swamp forest in Borneo (Annon.) (Gard.Bull.Sing. 18, 1961, 98-101, fig.1).
- : Florae Malesianae precursores XXXI. The genus Knema in Malaysia and outside Malaysia (Myrist.) (Gard.Bull. Sing. 18, 1961, 102-327, 26 fig., 18 maps).  
A full monograph of the genus comprising 37 spp. and 13 var. of which only 3 spp. and 1 var. occur outside Malaysia; 7 spp. and 7 var. are new.
- Sledge, W.A.: A new Asplenium from Assam (Pterid.) (Kew Bull. 15, 1962, 397-399, 1 fig.).
- : Asplenium affine Sw. and A.spatulinum J.Sm.ex Hook. (Pterid.) (Kew Bull. 15, 1962, 401-410, 4 fig.).  
Both from Ceylon, represent one sp.
- Sleumer, H.: Florae Malesianae precursores XXVII. Supplementary notes on Malaysian Ericaceae (Gaultheria, Costera, Diplycosia) (Blumea 11, 1961, 1-8).  
Incl. records and several new spp.
- : Florae Malesianae precursores XXVIII. The genus Vaccinium in Malaysia (Eric.) (Blumea 11, 1961, 9-112).  
Keys to sect. and spp.; several new spp.; in all 234 spp. are distinguished.

- : Florae Malesianae precursores XXIX. Supplementary notes towards the knowledge of the genus Rhododendron L. in Malaysia (Eric.) (Blumea 11, 1961, 113-131). Records and 12 new spp.
- Smith, A.C. & B.C. Stone: Studies of Pacific Island Plants XVII. The genus Geniostoma (Loganiaceae) in the New Hebrides, Fiji, Samoa, and Tonga (Contr. U.S. Nat. Herb. 37, 1962, 1-41, t. 1-3). 16 spp. are distinguished.
- Smith, C.E.: A revision of Cedrela (Meliac.) (Fieldiana Bot. 29, 1960, 295-341, 14 pls). American spp.; Old world spp. are reckoned to Toona.
- Smitinand, T.: Some noteworthy plants from Thailand (Siam) (Nat. Hist. Bull. Siam Soc. 20, 1961, 40-70, 8 photogr.). 69 new records; 1 new comb.
- Smythies, B.E.: Botanical exploration along the Indonesian border (Born. Terr. For. Bull. 7, Sept. 1960, 9-10, mimeographed). G. Gaham, Pueh Range.
- Soo, R.: The present aspect of the evolutionary history of the Telomophyta (Ann. Sci. Budapest sect. Biol. 4, 1961, 167-177). Ideas on phylogeny of mosses, ferns, gymnosperms and angiosperms.
- Specht, R.L.: Flora conservation in South Australia (Trans. R. Soc. S. Austr. 85, 1961, 175-196).
- Srinivasan, K.S.: Report of a botanical tour to Bourdi-la, NEFA May 1955 (Rec. Bot. Surv. India 172, 1959, 1-38, col. pl., 39 fig.).
- Stauffer, H.U.: Zur Morphologie und Taxonomie der Olacaceae-Tribus Couleae (Vierteljahrsschr. Naturf. Ges. Zürich 106, 1961, 412-418, fig. 8-10). Contains notes on Ochanostachys.
- Stearn, W.T.: Tuckey's "Narrative of an expedition to explore the river Zaire" and the nomenclature of Ipomoea pescaprae (Convolv.) (Taxon 10, 1961, 237-238). Published March 1818; before Sweet's Hortus suburbanus (July 1818) and Meyer, Primitiae Fl. Essequib. (Nov. 1818). Authority for Ipomoea pescaprae must be (L.) R. Br.
- Stebbins, G.L.: The role of hybridization in evolution (Proc. Am. Phil. Soc. 103, 1959, 231-251, 7 fig.). Not mutations, but genetic recombinations account for the major variability in populations. A remarkable return to Lotsy's concept of half a century ago.

Steenis, C.G.G.J. van: Flora Malesiana, verleden, heden, en toekomst (Jaarboek Z.W.O. 1960, 143-146) (in Dutch). A general survey of past, present, and future of Flora Malesiana published in the Yearbook 1960 of the Organization Z.W.O. (Dutch National Science Foundation) which together with Leyden University, saved the project when it came into shallow waters in 1958 due to financial difficulties.

- : An attempt towards an explanation of the effect of mountain mass elevation (Proc.Kon.Ak.wet.A'dam C 64, 1961, 435-442). It is assumed that all mountain plants have an altitudinal zone of permanent establishment and an upper and lower zone made up from temporary localities. To this it is due that mountain plants descend to their lowest localities only on the high mountains.
- : Symplocos (\$ Cordyloblaste) henscheli for Thailand (Sympl.) (Nat.hist.Bull.Siam Soc. 20, 1961, 83).
- : Miscellaneous botanical notes XI (Blumea 11, 1961, 132-139). Status of Dysoxylum lasiocarpum Miq.; identity of Barringtonia ceramensis R.Knuth; identity of Semecarpus ? fulvinervis Bl.; identity of Aporosa ? minahassae Koord.; Rotala wallichii (Hook.f.) Koehne new to Thailand; second coll. of Moultonia singularis Balf.f.& W.W.Sm.; new comb. in Lespedeza; identity of Foetidia ophirensis R.Knuth and distr.; proper generic disposition of Phelodendron burkilii Steen.; identity of Glochidion cinerascens Miq.; notes on some Colubrina species.

Steinmann, A.: De afbeeldingen van planten op de spuiers van Djalatoenda (Bijdr.Taal-, Land- & Volkenkunde 117, 1961, 359-362, 9 fig.).

Identification of plants from the reliefs of Hindu monuments in Java dating from the year 977. Author believes to have found Ceiba, Mangifera, Pandanus, Artocarpus, and ? Saraca (fig.8b). Although I cannot explain the 2 'pods' this plant could possibly represent best gambir, Uncaria gambir.

Stevenson, G.: The Agaricales of New Zealand I (Fungi) (Kew Bull. 15, 1962, 381-385, 1 pl.col.).

Stewart, W.N.: More about the origin of vascular plants (Pl. Sc.Bull. 6, no 5, 1960, 11-5).

It is the contention that Aldanophyton, claimed to be the first Cambrian vascular plant can logically be interpreted as an alga or a non-vascular land plant. The

oldest vascular plants are from the Silurian and this flora is represented by coexisting members of the Lycopsida and Psilopsida, the most primitive type being *Rhynia*. Bibliogr.

- Stone, B.C.: Pandanus pistillaris in the Caroline islands: an example of long-range oceanic dispersal (*Pandan.*) (Pac. Sc. 15, 1961, 610-613, 1 fig.). Otherwise only known from New Britain; I hope the fruits collected by Kanehira have been properly localized; the author could not retrace the species in Mokil Atoll, 110 miles E of Ponape.
- : A note on chromosome number in Pandanus (*Pandan.*) (J. Jap. Bot. 35, 1951, 247-252, 1 fig.). Some counts  $2n=60$ , 62, 64.
- : Studies in the Hawaiian Rutaceae II. On the two new Caledonia species of *Pelea* and a misunderstood species of *Platydesma* (*Adansonia* 1, 1961, 94-99, 2 pl.). Both belong to *Melicope*.
- : Taxonomic and nomenclatural notes on *Platydesma* (Hawaii) and a new name for a *Melicope* (Solomon Islands) (Madrona 16, no 5, Jan. 1962, 161-165, 2 fig.).
- Sundaralingam, A.: A systematic account of the South Indian Characeae (Algae) (Proc. Ind. Ac. Sc. 49B, 1959, 7-51, fig. 1-10). 9 spp. of *Nitella* and 10 spp. of *Chara*.
- Suvatabandhu, Kasin: The living Gymnosperms of Thailand (J. Nat. Res. Counc. (Siam) 2, 1951, 59-68, 6 maps). Cycads, conifers, and *Gnetum* recorded and mapped for Siam.
- Takeuchi, M.: The structure of the Amazonian vegetation I. Tropical rain forest (J. Fac. Sc. Univ. Tokyo Sect. III Bot. 8, 1961, 1-26).
- : The structure of the Amazonian vegetation II. Campina forest in the Rio Negro region (J. Fac. Sc. Univ. Tokyo Sect. III Bot. 8, 1961, 27-35).
- Takhtadzhyan, A.L.: Origins of angiospermous plants. Translated by O.H. Gankin. Edited by G.L. Stebbins (Amer. Inst. Biol. Sc. Washington D.C. 1958, 68 pp.). First published in Russian, Moscow, 1954.
- Tamura, M.: Ranunculaceae of Bhutan collected by S. Nakao in 1958 (Act. Phytotax. Geobot. 19, 1962, 73-79).
- Tardieu-Blot, M.L.: Sur les Dracontomelum d'Indochine (Anacard.) (*Adansonia* 1, 1961, 55-58, 1 pl.). 4 spp. admitted, 2 of which are new.

- : Sur les Gluta, Swintonia et Melanorrhoea indochinois (Anacard.) (Adansonia 1, 1961, 192-197, 1 fig.).  
Key to genera and species and notes; Melanorrhoea torquata King is transferred to Gluta.
- : Anacardiacees nouvelles d'Indochine (Adansonia 1, 1961, 198-207, 2 fig.).  
10 new spp.; key to Semecarpus spp.
- Tatewaki, Misao: Phytogeography of the islands of the North Pacific Ocean (Pan Pacific Sci.Congr. 1961, 4 pp., 2 maps).  
4 floristic demarcation lines in NE. Asia, among which Hulten's line between the Aleutians and the mainland of Asia is new.
- Taylor, P.: Notes on Utricularia (Lentib.) (Mitt.Bot.Staats-samml.München 4, 1961, 95-106, 3 fig.).  
U.stellaris L.f. is considered a variety of U.inflexa Forsk.; U.exoleta R.Br. a subsp. of U.gibba L.; full synonymy, also of Mal.names, is given of the latter.
- Temes, S.B. & A.C.Jimenez: El Cyperus rotundus L. y su eliminacion par herbicidas (Cyper.) (Inst.For.Invest.Exper. (Madrid) 31, 1961, no 9, 1-35).
- Thompson, J.: Papilionaceae (Contr.N.S.W.Nat.Herb. Fl.ser. 101, pt 1, 1961, 1-91).  
Key to genera; the first 18 of totally 70 genera are revised for N.S.W.
- Tindale, M.D.: Studies in Australian Pteridophytes 3 (Contr. N.S.W.Nat.Herb. 3, 1961, 88-92).  
Notes; two new spp.
- : Pteridophyta of South Eastern Australia (Contr.N.S.W. Nat.Herb. flora ser. nos 208-211, 1961, 1-78, 9 pl.).  
Treats the families Davalliaceae, Grammatidaceae, Polypodiaceae, Aspidiaceae (groups of Dryopteris and Tectaria), in all 31 spp.
- Tomlinson, P.B.: Rapid dehydration for celloidin embedding by means of azeotropic distillation (Stain Technology 34, 1959, 15-18).
- : Structure and distribution of sclereids in the leaves of palms (Palmae) (The New Phytologist 58, 1959, 253-266, 22 fig.).
- : Seedling leaves in palms and their morphological significance (Palmae) (J.Arno.Arb. 41, 1960, 414-428, 13 fig.).

- : The anatomy of Phenacospermum (Musac.) (J.Arн.Аrb. 41, 1960, 287-297, 12 fig.).
- : Morphological and anatomical characteristics of the Marantaceae (J.Linn.Soc.Lond. 58, Bot. 1961, 55-78, 49 fig.).
- : The problem of Wissmannia (Palm.) (Principes 5, 1961, 33-34).  
From Somaliland and Arabia; probably closest allied to Livistona and most western limit of Old World Coryphoideae.
- : The leaf base in palms, its morphology and mechanical biology (Palm.) (J.Arн.Аrb. 43, 1962, 23-46, 10 fig., 4 pl.).
- Torre, A.R. & E.P.de Sousa: Papilioideae (Consp.Fl.Angol. 31, 1962, 187 pp., 16 pl.).
- Tournay, R.: La nomenclature des sections du genre Bromus L. (Gram.) (Bull.Jard.Bot.Bрюx. 31, 1961, 289-299).
- Tyler Jr, V.E.: Chemical characteristics of plant families of medicinal importance II. Pteridophytes, Gymnosperms, and Monocotyledons (Lloydia 24, 1961, 57-64).
- Valentine, D.H.: Sections and genera in the Primulaceae (Taxon 11, 1962, 71-74).
- : Variation and evolution in the genus Viola (Violac.) (Preslia 34, 1962, 191-206).
- Vautier, S.: Labiatae (Candollea 17, 1959-1961, 41-52).  
Nepal spp.; list; 1 new Elsholtzia.
- Veloira, N.E.: Two new mosses from the Philippines (The New Bryol. 62, 1959, 104-108).
- Velsen, R.J.van: Chlorotic spot, a virus disease of Passiflora foetida in New Guinea (The Papua & New Guinea J. 13, 1961, 160-166, 4 fig.).
- Venkata Rao, C.: Pollen types in the Epacridaceae (J.Ind.Bot. Soc. 40, 1961, 409-423, 40 fig.).
- Verna, S.C.: Taxonomic status of Adiantum lunulatum Burm. (Pterid.) (Nova Hedwigia 3, 1961, 463-468).  
The name *A. philippense* should be abandoned.
- Vickery, J.W.: Gramineae (Contr.N.S.W.Nat.Herb. Flora ser. no 19, pt 1, 1961, 1-124).  
The revision of the grasses of New South Wales.

- : Contributions to the taxonomy of Australian grasses II (Contr.N.S.W.Nat.Herb. 3, 1961, 83-84).  
A new Diptaria; new var. in Hemarthria; new comb. in Ancistrachne.
- Vidal, J.E.: Les plantes utiles du Laos I-IV (J.Agric.Trop.& Bot.Appl. 3, 1959, 391-404, 589-594; ibid. 7, 1960, 417-440, 560-587; ibid. 8, 1961, 356-385, illustr.). To be contd.  
A series in which a rather full catalogue is given of the useful plants of Laos; up till now over 200 spp. are treated.
- : Sabiacées (Fl.Camb.Laos & Vietn. fasc.1, 1960, 1-58, 9 fig.).  
30 spp. of Meliosma, 5 of Sabia, 7 new spp. and a few minor taxa and comb.
- : Diospyros brandisiana Kurz (Eben.) (Not.Syst. 16, 1960, 298-300, 1 fig.).
- : Notes sur quelques Meliosma asiatiques (Sabiac.) (Not.Syst. 16, 1960, 300-316).  
Enumeration; key.
- : Une espèce nouvelle d'Anisophyllaea (Rhizoph.) (Bull. Soc.Bot.Fr. 108, 1961, 72-73, t.1).  
First new sp. from Vietnam.
- : Le genre Euthemis Jack au Cambodge (Ochnac.) (Adansonia 1, 1961, 59-60).  
Euthemis leucocarpa Jack.
- Vincent, A.J.: A note on the growth of eleven individual species of the genus Dipterocarpus in naturally and artificially regenerated forest, Malaya (Dipt.) (Research Pamphlet no 38, 1961. For.Res.Inst.Kepong, 38 pp., folio, mimeogr.).
- : A note on the growth of Shorea macroptera Dyer (meranti melantai) (Dipt.) (Mal.For. 24, July 1961, 190-209, 1 fig., 2 tables).
- : A note on the growth of Dryobalanops oblongifolia Dyer (keladan) (Dipt.) (Mal.For. 24, July 1961, 210-224, 1 fig., 1 table).
- Vink, W.: Verslag van een tournee van de sect.Bosbotanie naar Oost.Japen (Aisau), 1960.  
Agathis in Tristania-canopy forest, Agathis is emergent. The canopy consists of Podocarpus, Dacrydium, Tristania, Eugenia, Calophyllum, Garcinia; Nepenthes is the only climber. There is also a Myrtac. forest type consisting mainly of Tristania, Ctenolophon, Parastemon, Sapot., Gutt. and Cunon.

- Vuyk, J.: A misrepresentation through a misleading diagnosis in Winberg's Florula Javanica (Orchid.) (Blumea 11, 1961, 225-228, 1 fig.).
- Ophrys lancea Sw. has appeared to be the oldest name for Herminium angustifolium, and is not conspecific with Spiranthes sinensis; new comb.
- Walker, E.H.: The Myrsinaceae of the Ryukyu Islands (Sc.Bull. Agric.& Home Econ.Div., Univ.Ryukyus no 2, 1955, 60-79, 9 fig.).  
Revision; keys and descr. to 3 genera and 11 species.
- Walter, H.: Die Vegetation der Erde in ökologischer Betrachtung I. Die tropischen und subtropischen Zonen (Jena, Fischer, 1962).  
First part of the 4th edition of Schimper's Pflanzengeographie.
- Walters, S.M.: The shaping of Angiosperm taxonomy (The New Phytol. 60, 1961, 74-84, 4 fig.).
- : Generic and specific concepts and the European flora (Preslia 34, 1962, 207-226).
- Wardlaw, C.W.: A note on Pityrogramma calomelanos (L.) Link, a fern nuisance in Cameroons plantations (Pterid.) (J. Ecol. 50, 1962, 129-131, 2 photogr.).
- Watson, G.A. & J.Wyatt-Smith: Eradication of the bamboo, Gigantochloa levis (Blanco) Merr. (Bambus.) (Mal.For. 24, July 1961, 225-229, 6 fig., 1 table).
- Watson, L.: The taxonomic significance of stomatal distribution and morphology in Epacridaceae (The New Phytol. 61, 1962, 36-40).
- Weberling, F.: Die Infloreszenzen der Valerianaceen und ihre systematische Bedeutung (Abh.M.NW.Kl.Ak.Wiss.& Lit. Mainz 1961 (5), 1-281, 60 fig., 29 Taf.).
- Webster, G.L. & J.R.Ellis: Cytotaxonomic studies in the Euphorbiaceae subtribe Phyllanthinae (Am.J.Bot. 49, 1962, 14-18, 8 fig.).  
Many genera have n=13.
- Weeraratna, W.G.: The ecology and biology of parasitism of the Loranthaceae in Ceylon (in Harper, J.L.(ed.), The Biology of weeds. Oxford 1960, 189-202).
- Weibel, R.: Melastomatacees, Myrsinacees et Campanulacees (Candollea 17, 1959, 81-85).  
List of Nepal collection.

- Wendelbo, P.: Studies in Primulaceae II. An account of Primula subgenus Sphondylia (syn. sect. Floribundae) with a review of the subdivisions of the genus (Arbok Univ. Bergen, Mat.-Naturv. Serie 11, 1951, 49 pp., 5 fig.).
- : Studies in Primulaceae III. On the genera related to Primula with special reference to their pollen morphology (Arbok Univ. Bergen, Mat.-Naturv. Serie 19, 1961, 31 pp., 1 fig., 5 plates).
- Went, F.W.: The Botanical Garden as a living museum (Mus. News 38, April 1960, 20-23, 2 photogr.).
- White, F.: Geographic variation and speciation in Africa with particular reference to Diospyros (Eben.) (System. Ass. Publ. 4, 1962, 71-103, 11 fig.).  
A most interesting study, both for the analysis and synthesis, on the basis of modern ecological and genetical viewpoints.
- whitehouse, H.L.H.: Origin of Angiosperms (Nature 188, 1960, 957).  
A most remarkable hypothesis that all phanerogams stem from one single species (or even specimen?).
- wild, H.: Harmful aquatic plants in Africa and Madagascar (Kirkia 2, 1961, 1-66, 19 pl.).
- Willaman, J.J. & B.G. Schubert: Alkaloid-bearing plants and their contained alkaloids (U.S. Dept. Agric., Agric. Res. Serv. Techn. Bull. 1234, 1961, 1-287).  
3671 spp. are recorded; there is also an index by the names of the alkaloids.
- Wilson, P.G.: A taxonomic revision of the genus Correa (Rutac.) (Trans. R. Soc. S. Austr. 85, 1961, 21-53).
- Wong Yew Kwan: Teratological form in Pometia ridleyi King (Sapind.) (Mal. For. 25, April 1961, 154, 4 photogr.).
- Wood, R.D.: New combinations and taxa in the revision of Chrysanthaceae (Taxon 11, 1962, 7-25).  
Preliminary to monograph.
- Wyatt-Smith, J.: A note on the fresh-water swamp, lowland and hill forest types of Malaya (Mal. For. 24, April 1961, 110-121).
- : Provenance and progeny trials of teak in North-west Malaya (Mal. For. 24, April 1961, 126-141, 3 photogr., 12 tables).

- Yamashiro, M.: Ecological study on Kandelia candel (L.) Druce, with special reference to the structure and falling of the seedlings (Rhizoph.) (Hikobia 2, 1961, 209-214, 3 fig.).
- Yang, Bao-Yu: Studies on Taiwan hepatics. A primary list of Hepaticae of Taiwan (Hepat.) (Quart.J.Taiwan Mus. 13, 1960, 231-236).
- : Studies on Taiwan Hepaticae II. Radula species collected in Taiwan (Taiwania 7, 1960, 35-38, 1 pl.).
- Yen, D.E.: The sweet potato in the Pacific. The propagation of the plant in relation to its distribution (Convolv.) (J.Polyn.Soc. 69, 1960, repr.8 pp., 3 fig.).  
By cross fertilization of clones which seem almost all to be heterozygous in many plant characters a fan of new clones can be derived from one or a few imported clones. This has possibly happened in New Guinea. New Zealand assemblage is reviewed and transfer of seed by human and by natural agencies.
- : The adaptation of Kumara by the New Zealand Maori (Convolv.) (J.Polyn.Soc. 70, 1961, 338-348).
- : Evolution of the sweet potato (Convolv.) (Nature 191, 1961, 93-94).  
It is an allopolyploid, n=90.
- Zieck, J.F.U.: Hydrologische bosreserve "Tafelberg" te Manokwari (Verslag Boswezen Manokwari 360, 1960, mimeogr.). Description of a forest reserve above Manokwari; mostly situated on limestone 150-175 m alt., partly primary partly secondary forest. Two types are mainly of Pometia-Sapotaceae on dry lands and Pometia-Homalium-Celtis Intsia only on rocky promontories, and mostly in aggregates. Sometimes more than 200 m<sup>3</sup> Pometia. The reserve is over 400 ha but maybe later grow to 700 ha. Hydrological purpose but also for regeneration studies and education.
- , J.Luytjes & W.Vink: Tourneeverslag naar de noordelijke wisselmerenstreken 9 Mei-1 Juni 1960 (68 pp., 1961). Report to montane area north of the Wissel Lakes, beautiful photogr. of this sandstone area.