

XV. BIBLIOGRAPHY
(contd from p.966)

- Abeywickrama, B.A.: The vegetation of the lowlands of Ceylon in relation to soil (Trop. Soils & Veget. - Proc. Abidjan Symp. 1961, 87-92).
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Based on *Aglaospora aculeata* Petch.
- : Notes on fungi from North-East India. VIII. Some foliicolous Hyphomycetes (Fungi) (J. Ind. Bot. Soc. 41, 1962, 456-464, 10 fig., 2 tables).
- : Notes on fungi from North-East India. IX, XI. Hyphomycetes (Fungi) (J. Ind. Bot. Soc. 41, 1962, 465-477, 23 fig.; *ibid.* 478-490, 28 fig.).
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Diplocolea sikkimensis (Jungermanniaceae).
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On p. 817 of this Bulletin the author gave a summary of his work. The present paper is a discussion of the floristic composition of the swamps, which is very uniform. It is intended to deal with the ecological aspects elsewhere; here only 6 "phasic communities" have been outlined in a few lines each. The List contains 243 species in the category of trees; there are brief annotations, including those on common occurrence in peat swamps and heath-forest (over 100 spp.). In an appendix the species have been arranged according to habit; a special table has been devoted to the occurrence of Dipterocarpaceae. Extremely valuable paper.

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Also map of distribution; occurs in Malaysia.
- Anonymus: Species and varieties of *Flemingia* (Legum.) (Malaya Planters' Bull. Rubber Res. Inst. Malaya 61, July 1962, 78-85, 3 fig.).
3 varieties of *F. congesta* and contrasting this species in a key-table against *F. strobilifera*.
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- Arora, C.M.: New chromosome report (Bull. Bot. Surv. India 2, 1960, 305, 1 fig.).
15 spp. of Phanerogams.
----- : New chromosome report II (Bull. Bot. Surv. India 3, 1961, 37).
Of 19 Indian plants.
- Arora, R.K.: New plant records from North Kanara (Bull. Bot. Surv. India 2, 1960, 169).
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Desiccation in tropics ascribed to Ice Age as a hypothesis.
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Achras recognized against Manilkara.
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72 spp. reported from Bot. Surv. Ind. tours.
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The following are the n chromosome numbers obtained by the authors for various species and forms of Erianthus: E.arundinaceus Retz. 15, 20, 25, 30; E.munja Roxb. 30 (20 for material from Java); E.ravennae Beauv. 10; E.elephantinus Hook. and E.fulvus Nees 10 each.
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Interesting.
- Baker, H.G. & B.J.Harris: The pollination of Parkia by bats and its attendant evolutionary problems (Legum.) (Evolution 11, 1957, 449-460, 21 fig.).
On Parkia clappertoniana in Africa.
- & ----- : Bat-pollination of the silk-cotton tree, Ceiba pentandra (L.) Gaertn. in Ghana (Bombac.) (J.West Afr.Ac.Sc.Ass. 5, 1959, 1-9, 1 pl.).
Role of bats is discussed.
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Very much like P.candolleana.

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List; some new spp.; key to genera.
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Records; 1 new sp. in Didymocarpus and 1 in Paraboea.
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366 titles arranged under 6 headings.
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Fungi inoculated into plants by means of the stinging oral parts of insects cause symptoms known as Stigmatomycosis. From Citrus fruits from Java injured in this way the author isolated the fungi *Eremothecium cymbalariae* Borzi and *Nematospora coryli* Peglion. In fam. Spermophthoraceae, related to the Endomycetaceae, genera are listed.
- : The Sordariaceae of Indonesia (Fungi) (Persoonia 2, 1962, 305-320, 12 fig.).
7 genera and 18 spp.; one new genus; 3 new comb.
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Discussion of the designation variety and subspecies.
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Panicum miliare Lamk is later synonym of *P. antidotale* Retz. The Indian plant thus named is *P. sumatrense* Retz. *P. montanum* Roxb. must be called *P. notatum* Retz.
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- Bose, R.B.: A note on an abnormal Nymphaea pubescens Willd. (Nymph.) (Bull. Bot. Surv. India 3, 1961, 41, 1 fig.).
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Death of well-grown trees of *Samanea saman* (Benth.) Merr. in Calcutta is primarily caused by *Fusarium solani* affecting the roots.
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Contains also *Murdannia blumei* (Hassk.) Brenan, comb. nov., formerly known as *Aneilema hamiltonianum* Wall. ex Clarke.
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Opposed to *Alocasia*.
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Rev.; key; descr. *Balanostreblus ilicifolius* Kurz again reduced to *Sorocea guilliminiana*.

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To be continued.
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Klugia reduced to Rhynchosyris; all transfers made; 1 new sp.; 10 spp. from Ceylon to Taiwan and New Guinea; 3 spp. from Mexico to Columbia.
- : Studies in the Gesneriaceae of the Old World. XXIV. Tentative keys to the tribes and genera (Not. R. Bot. Gard. Edinb. 24, 1962, 205-220).
A very important welcome survey; 2 new tribal names; Brookea is referred to Scrophulariaceae; list of genera with synonyms.
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In experiments leaves contained toxic matter; in the field this was not observed.
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Certain Burseraceae; first Alangium reported from Madagascar.
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Diaboline was before only known from S. American spp.

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- Chew Wee Lek: Florae Malesianae Precursores XXXIV. A revision of the genus Poikilospermum (Urtic.) (Gard.Bull.Sing. 20, 1963, 1-103, 24 fig.). Complete monograph; key; descr.; two subgenera distinguished; 20 spp. among which 2 new. Genus reckoned to Urticaceae, which are distinct from Moraceae by an erect orthotropous ovule. This necessitates that *Cecropia*, *Musanga* and *Coussopoa* also belong to Urticaceae (as separate tribe).
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Plant list; all shore spp.
- Cholnoky, B.J. von: Ein Beitrag zur Kenntnis der Diatomeenflora von Holländisch-Neuguinea (Algae) (Nova Hedwigia 5, 1963, 157-198, pl. 25-27).
Samples from Biak, Manokwari, and Hollandia.
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Spikelets are of 2 kinds, chasmogamous and cleistogamous; M. micranthera Ohwi reduced.
- Copeland, H.F.: Observations on the reproductive structures of Anacardium occidentale L. (Anacard.) (Phytomorphology 11, 1961, 315-325, 25 fig. (1962)).
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A refreshing and stimulating essay in which the probable great age of the Bornean flora is stressed, comparison is made between Sarawak and Malaya, in particular with regard to lowland forest, pandans, figs, and durians. Need is expressed for classifying rivers by riverine vegetation; note on Hanguanas, Eugeissona, rotans, pigs and the flora of the limestone hills as deserving attention and study.
- : The Royal Society Expedition to North Borneo 1961 (Emp. For. Rev. 1962, 224-233, map of route, 4 fotogr.).
A lively report on the aims and course of this important expedition, with a glimpse of provisional results.
- : The genus Amanita in Singapore and Malaya (Fungi) (Persoonia 2, 1962, 241-304, 56 fig.).
Key to subgenera, sections and spp.; descr. of 22 n.spp.
- : Taxonomic notes on Ficus Linn., Asia and Australasia. Addendum II (Morac.) (Gard. Bull. Sing. 19, 1962, 385-401).
Various n.spp. and varieties.
- Cox, E.H.M. & P.A. Cox: Eucalyptus in East-Central Scotland (Myrtac.) (J.R. Horticult. Soc. 88, 1963, 28-31).
Experiments on hardiness and growth.
- Cranwell, L.M.: Endemism and isolation in the Three Kings Islands, New Zealand. With notes on pollen and spore types of the endemics (Rec. Auckl. Inst. & Mus. 5, 1962, 215-232, pl. 45-49 incl. fig. 1-30, 1 map).

Valuable pollen analysis of recent flora with its peculiar endemics, with remarks on ranges and probable origin; as a corollary chance dispersal is assumed not to be the reason of this endemic flora, but relict remains of a former flora. List of endemic species incl. large-fruited *Alectryon*, spore dispersed *Davallia*, berry dispersed plants, wing-dispersed *Tecomanthe*, etc. Discussion of unique position of these most northern New Zealand islets. Igneous and volcanic rock of Cretaceous are the basement rocks.

Cribb, A.B. & J.W. Cribb: Marine Fungi from Queensland. III (Univ. Queensl. Pap. Dep. Biol. 4, 1960, 41-44, 3 fig.). New gen.; 2 new spp.

----- & ----- : Some marine Fungi on Algae in European herbaria (Univ. Queensl. Pap. Dep. Biol. 4, 1960, 47-48).

Cribb, J.W.: Two new species of subterranean Ascomycetes from Queensland (Fungi) (Univ. Queensl. Pap. Dep. Biol. 4, 1960, 35-37, 2 fig.).

Crum, H.: A small collection of West Javanese mosses (Musci) (The Bryologist 62, 1959, 188-190 (1960)). Coll. R.G. Robbins; 2 new for Java.

Crutwell, E.G.: Alpine plants in Papua (J.R. Horticult. Soc. 88, 1963, 104-109, 4 col. fotogr. = fig. 44-47). Concise vivid account of SE. Papuan mountain vegetation.

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Das, A.C.: Two new species of Thielavia and Sordaria (from India) (Fungi) (Trans. Brit. Mycol. Soc. 45, 1962, 545-548, 4 fig.).

Davis, R.S.: Ambon, Rumphius, and orchids (Am. Orchid Soc. Bull. 27, 1958, 218-224, 5 fig., 1 map).

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Dawson, J.W.: A revision of the genus Anisotome (Umbell.) (Univ. Calif. Publ. Bot. 33, 1961, 1-98, 17 pl., 19 fig.). Formerly included in *Ligusticum*; in the present circumscription confined to New Zealand and the Subantarctic islands; 13 spp. A dioecious genus!

- Deb, D.B.: New record of plants for India from Tripura (Bull. Bot. Surv. India 3, 1961, 87-89, 1 fig.).
Psidium guineense Sw., a new introduction.
- : Monocotyledonous plants of Manipur Territory (Bull. Bot. Surv. India 3, 1961, 115-138).
Enumeration.
- : Dicotyledonous plants of Manipur Territory (Bull. Bot. Surv. India 3, 1961, 253-350).
Largely a plant list.
- Degener, O. & I. Degener: Arachniodes, a fern genus unrecognized from Hawaii (Phytologia 9, 1963, 55).
One new comb.
- & B.C. Stone: 179. Rutaceae. Pelea (in Degener, Fl. Hawaiiensis 1960/1962, 8 pp., 8 pl.).
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- Dressler, R.L.: A synopsis of Poinsettia (Euph.) (Ann. Mo. Bot. Gard. 48, 1961, 329-341, 3 fig.).
Key to American genera of Euphorbiaceae. Key to spp.;
Euphorbia geniculata is reduced to *E. heterophylla*.
- Drouet, F.: A new Schizothrix from New Zealand (Algae) (Rev. Alg. n.s. 4, 1959, 238, 1 fig.).
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Keys; bibliography.
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Records.

----- : The identity of Tetramyxis Gagn. (Simaroub. = Anacard.) (Kew Bull. 16, 1962, 158).
Is Allospondias lakonensis (Pierre) Stapf.

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A large list (key) of descriptive terms which can be used in objective descriptions of vegetation; the hierarchy based on space and bulk.

----- : Status of the name Geophila D. Don (Rubiaceae) (Taxon 11, 1962, 180-181).
Geophila is proposed to conserve.

----- : The Indo-Pacific strand Scaevola again (Gooden.) (Taxon 11, 1962, 181).
The proper name is now S. taccada (Gaertn.) Roxb.

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List of plants; all weeds, shore plants and tropical lowland wides, cultigens, naturalized spp.
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An elaborate attempt to define the concept relict. The proposed usage for a relict species: "A static or declining species; this condition implies a loss of aggressiveness and a reduction of adaptability with consequent contracting range, reduced variability, narrow ecological tolerance, and possible existence in a refugium; a candidate for extinction", does not at all sound satisfactory to me. There are such relict species, and even *Sequoia* and *Taxodium* can be reckoned to it, though occupying no small ranges, and anyhow much smaller ranges than in the Tertiary, although it is not certain that the Tertiary fossils are certainly representing the same species as living today. Anyhow, the genera are relict genera. It is, however, not at all certain that single species of formerly larger and wider groups might not be able to be aggressive and extend their range. The North American opossum seems to be an example of this. And *Ginkgo* is quite successful in the new anthropogenic environment. This facet, the fact that relicts are also survivors of formerly larger groups, is not considered in this discussion on the species level, but seems to me very important. Why *Ko- kiahia* is called a relict is not certain; its habitat is

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7 spp., one new, one new comb.
- : Notes on some Malaysian Melastomaceae (Gard.Bull. Sing. 20, 1963, 105-122, 2 fig.).
New spp. in Dissochaeta; Anplectrum anomalum made into a genus Anplectrella; a new name in Memecylon; one new var.; several new synonyms. For inadequate reasons Marumia is maintained.
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Chromosome numbers of 12 spp.
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Enumeration of 945 spp.
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Claim that for proper identification of ferns accurate chromosome counts are necessary.
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12 spp. reported, some new records for India.
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Census; incl. also Bambusoideae.
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- Gonzalves, E.A.: A new dioecious macrandrous species of Bulbochaete (Algae) (Phytomorphology 12, 1962, 74-77, 3 fig.).

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A cultivated sp., origin New Caledonia.
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List; 4 new spp.; p. 478 Podochilopsis n.g. n.sp.
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Revision; key.
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Summary; taxonomical, karyological, palynological.
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one sp. with many var.
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List and key.

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Key to related genera; Glycine is split into 3 genera: Glycine with 10 spp., Paraglycine with 10 spp., and Pseudoglycine with 1 sp.; Teyleria reported from Hainan. List of excluded spp.
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Practical aspects of the use of collective species.

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List; 2 new var.
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Records; 1 new comb. in Trachydium.
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Summary.
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Key to 12 spp.
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List of Chloroph. and Cyanoph. from Daulo and Chimbu Pass, coll. Gilliland, 1960.
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Five spp. recognized; key to genera Ormosia, Haplormosia, and Pericopsis.
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N. veitchii is credited to be an epiphyte.
- : The genera Belotia Rich. and Trichospermum Bl. (Tiliac.) (Reinwardtia 6, 1962, 277-279).
The New World *Belotia* is reduced to *Trichospermum*; 10 new comb.
- : Miscellaneous botanical notes. IV (Reinwardtia 6, 1962, 281-325, 22 fig.).
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Some infraspecific new comb.

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ploids in the mountains, and the author regards this as a support of the hypothesis that a high concentration of polyploids shows an occurrence of derived floras, which have been exposed during their evolution to the pressures of major environmental changes. Under these conditions, adaptive variations (polyploid or otherwise) would be at a premium, whereas more stable taxa (which would include many of the diploids) would be left behind, either to survive in their original habitat or to be wiped out with it. Several examples are given to demonstrate the observation that when diploid and polyploid closely related taxa are met with in the area, then the polyploids are found in the Cameroons and the diploids in the lowland, whereas no example of the reverse condition is known to the author.

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spp. are new records.
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- Nafday, U.R.: Studies in the Tubiflorae of Nagpur (Bull.Bot.
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Tsuga and Alnus pollen is found but these species do not occur in this island.
- Nayar, B.K.: Ferns of India. I. Adiantum (Bull.Nat.Bot.Gard. Lucknow n. 52, 1961, 2nd rev.impression 1962, 41 pp., 9 fig.).
Introduction, keys, descr. figures and some maps of 150 pp. and 3 taxa announced as 'var. novo'; these are, however, not provided with a Latin description nor has a type specimen been appointed and are therefore invalid.
- : Contributions to the morphology of Leptochilus and Paraleptochilus (Polypod.) (Am.J.Bot. 50, 1963, 301-308, 42 fig.).
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- : Systematic position of Ceratopteris thalictroides Brongn. (Parker.) (J.Jap.Bot. 37, 1962, 193-200).
- Norris, D.H. & A.J.Sharp: The known distribution of Herpeti-
neuron toccocae (Sull. & Lesq.) Card. (Musci) (J.Hattori Bot.Lab. n. 24, 1961, 110-114, map).
- Nye, P.H.: Some effects of natural vegetation on the soils of West Africa and on their development under cultivation (Trop.Soils & Veget. - Proc.Abidjan Symp. 1961, 59-63).
- Ochi, H.: Mosses of the Bryaceae in Japan and the adjacent regions. Supplement III (Musci) (Acta Phytotax.Geobot. 20, 1962, 242-246, 2 fig.).
- : Contributions to the mosses of Bartramiaceae in Japan and the adjacent regions (2 and last) (Musci) (Nova Hedwigia 5, 1963, 91-115, pl.7-24).

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- Ooststroom, S.J. van & Th. J. Reichgelt: De in Nederland adventieve en gekweekte Physalis-soorten (Solan.) (Gorteria 1, 1962, 65-71).
Key to 6 spp.; in Dutch; summary with key.
- Ornduff, R., P.H. Raven, D.W. Kyhos & A.R. Kruckeberg: Chromosome numbers in Compositae. III. Senecioneae (Am. J. Bot. 50, 1963, 131-139, 6 fig.).
Interesting survey and results.
- Oza, G.M.: Nomenclatural note on the Indian species of Citrullus (Cucurb.) (Taxon 11, 1962, 254-255).
- Paclt, J.: Shiuyinghua, a new genus of Scrophulariaceae from China (J. Arn. Arb. 43, 1962, 215-217).
- Pandeya, S.C.: Status of the grasslands of Madhya Pradesh, India (Trop. Ecol. 3, 1962, 101-105).
Grassland is maintained through anthropogenous factors; classification of grasslands, which are mainly caused by rainfall conditions.
- Panigrahi, G.: Pteridophytes of the Eastern India. 1. Enumeration of the species collected and their nomenclature (Bull. Bot. Surv. India 2, 1960, 309-314).
Coll. in Bihar, Orissa, Assam, etc.; 150 spp. listed, a few new comb.
- : Cyclosorus subpubescens (Bl.) Ching, a taxonomic problem (Polypod.) (Bull. Bot. Surv. India 2, 1960, 315-319).
Typification.
- : A note on Aleuritopteris grisea (Blanford) Panigrahi comb. nov. and A. anceps (Blanford) Panigrahi comb. nov. (Polypod.) (Bull. Bot. Surv. India 2, 1960, 321-322).
The two new comb. were also made in the list, l.c. 312.
- & V.N. Naik: A botanical tour to Subansiri frontier division (Nepa) (Bull. Bot. Surv. India 3, 1961, 361-388, 2 photogr., 1 pl.).
Illustrated introduction and plant list.
- Parameswaran Nayar, M.: The vegetation of Kanyakumari, Kanyakumari district (Bull. Bot. Surv. India 1, 1959, 122-126, map).
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- Periasamy, K.: Morphological and ontogenetic studies in palms. I. Development of the plicate condition in the palm-leaf (Phytomorphology 12, 1962, 54-65, 35 fig., 1 tabl).
- Perry, R.A. (ed.): General report on lands of the Alice Springs area, Northern Territory, 1956-57 (Land Res. Series n. 6, 1962, 1-280, many maps).
- Philcox, D.: Recent records for the flora of South Georgia (Kew Bull. 16, 1962, 243-246).
- Philipson, W.R. & J.P. Skipworth: Hectorellaceae: a new family of Dicotyledons (Trans. R. Soc. New Zeal. 1, 1961, 31). Comprises Hectorella and Lyallia of New Zealand and Kerguelen respectively.
- Phillips, R.C.: Environmental effect on leaves of Diplanthera Du Petit-Thouars (Potamoget.) (Bull. Marine Sc. Gulf & Caribb. 10, 1960, 346-353).
It was proposed by Sauvageau (1890) and later Feldmann (1938) that the 2 spp. of Diplanthera could be separated on the basis of 2 characters: leaf apex and internal cellular anatomy. The present author found that these characters are variable in *D. wrightii*, dependent on the tidal zone in which the plants were growing. Hence, these two characters are not valid for separating this species from *D. uninervis*.
- Pichi-Sermolli, R.E.G.: Adumbratio Florae Aethiopicae. 9. Cryptogrammeae (Polypod.) (Webbia 17, 1963, 299-315, 3 fig., 1 map).
Onychium divaricatum.
- Pirson, H.: Ein Beitrag zur Kenntnis der Pflanzenwelt im westlichen Zentralhimalaya (Tons-gebiet). Ergebnisse der Deutschen Indien-Expedition 1955-1957 (Abh. & Verhandl. Naturwiss. Ver. Hamburg N.F. 6, 1962, 177-196, 1 Karte). General descr. of vegetation up to 4200 m.
- Plumstead, E.P.: Fossil Floras of Antarctica. Trans-Antarctic Expedition 1955-1958 (Scientific Reports n. 9, 1962, 1-154, 2 fig., 6 tables, 3 maps, 28 pl.).
- Pobedimova, E.G.: A note on the genera Vincetoxicum Walter and Alexitoxicon Saint-Lager (Asclep.) (Taxon 11, 1962, 173-174).
New comb. for spp. mentioned in Fl. USSR under Alexitoxicon is the name for the Eur.-As. spp. of Vincetoxicum.
- Pohl, R.W.: Phytogeographic notes on Rottboellia, Paspalum, and Miscanthus (Gram.) (Rhodora 65, n. 762, 1963, 146-148, 1 fig.).
3 Asiatic spp. adventive in U.S.A.

- Post, E.: Bostrychia, nicht tot zu kriegen (Botanica Marina 5, 1963, 9-18).
- Prakash, S.: Morphological and embryological studies in the family Loranthaceae. VII. Atkinsonia ligustrina (Cunn.) F.v.M. (Phytomorphology 11, 1961, 325-355, 50 fig. (1962)).
- Prasad, B.N.: On some Cyanophyceae from India (J. Ind. Bot. Soc. 41, 1962, 322-326).
10 spp. listed.
- & P.N. Srivastava: Observations on the morphology, cytology, and asexual reproduction of Schizomeris leibleinii (Chloroph.) (Phycologia 2, 1963, 148-156, 35 fig.).
- Pringsheim, E.G. & O. Pringsheim: Axenic culture of Utricularia (Lentib.) (Am. J. Bot. 49, 1962, 898-902, 1 fig.).
Flowering only occurs if organic compounds as contained in beef-extract are added aseptically.
- Prowse, G.A.: Diatoms of Malayan freshwaters (Gard. Bull. Sing. 19, 1962, 1-104, 24 pl.).
Key to genera; enumeration of spp.
- Pryor, I.D. & L.A.S. Johnson: The status and significance of the hybrid Eucalyptus marginata Sm. x E. megacarpa F.v.M. (Myrtac.) (Austr. J. Bot. 10, 1962, 129-134, 2 pl.).
Several hybrids, described as species, were traced.
- Puri, G.S.: Western Circle of the Botanical Survey of India (Bull. Bot. Surv. India 1, 1959, 74-77, 6 photogr.).
Outline of Circle and activities.
- : Vegetation and soil in tropical and subtropical India (Trop. Soils & Veget. - Proc. Abidjan Symp. 1961, 93-102, 5 fig., 9 photogr.).
- & S.K. Jain: The moist deciduous of the Poona district (Proc. Nat. Ac. Sc. India, sect. B, 29, 1959, 254-261, map, pl. 1-2).
Sociological; quadrats of 25 m².
- & ----- : Survey of some oil-yielding plants of western India (Bull. Bot. Surv. India 2, 1960, 95-98).
19 spp. treated.
- & ----- : A note on Capparis moonii Wight (Cappar.) (Bull. Bot. Surv. India 2, 1960, 170).
Fruit used as medicine against tuberculosis.
- & ----- : The dry deciduous scrub vegetation of Poona District (Bull. Bot. Surv. India 2, 1960, 329-334, 2 tab.).
A biotic savannoid community; flora of E., W., and S. slopes compared.

- & ----- : Botanical exploration in Western India (Trop. Ecol. 3, 1962, 49-69, 4 maps, 7 photogr.).
- & S.D.Mahajan: The study of the evergreen vegetation of Mahabaleshwar area (Bull.Bot.Surv.India 2, 1960, 109-137, 4 fig.).
Vegetatiology and plant list.
- & R.M.Patil: Dry deciduous forests of the Poona district, Deccan, India (Bull.Bot.Surv.India 2, 1960, 149-167, 4 fig., 6 photogr.).
Ecology and vegetatiology.
- Raghavan, R.S.: Studies on the genus Dioscorea L. (Bull.Bot. Surv.India 2, 1960, 379-386, 2 tables, 3 pl.).
Hairs, bulbils, stomata, chromosomes in 11 spp.
- & C.M.Arora: Morphological and cytological studies in the genus Lantana L. (Verben.) (Bull.Bot.Surv.India 2, 1960, 299-303, 4 tables, 12 fig.).
L.camara has basic no 11, other spp. 12.
- & R.S.Rao: Cytological observations on the Indian species of Commelinaceae (Curr.Sc. 30, 1961, 310-311, 6 fig., 1 table).
Chromosomes of 16 spp.
- Rai, J.N. & K.G.Mukerji: A new species of Chaetomium from Indian soils (Fungi) (Canad.J.Bot. 40, 1962, 857-860, t.1-2).
- , ----- & J.P.Tewari: Tripterospora tetraspora spec. nov., a new cleistothecial Ascomycete (Fungi) (Canad. J.Bot. 41, 1963, 327-329, 14 fig.).
- & J.P.Tewari: A new Acremoniella from Indian soils (Fungi) (Canad.J.Bot. 41, 1963, 331-334, 18 fig., 1 table).
- Raizada, B.B.S.: Taxonomic studies of some members of the Mucorales (Fungi) (Nova Hedwigia Bd 4, Heft 3+4, 1962, 421-432, pl. 92(1)-94(3)).
- Raizada, M.B. & D.Chatterjee: Correct identity of Hibiscus tortuosus (Malvac.) (Sci.& Cult. 26, 1960, 46-47).
H.tortuosus Roxb. Fl.Ind. 3 (1832) 192, has been variously treated in the literature; the authors show that it is identical with H.tiliaceus Linn. On the other hand, H.tortuosus Wall.ex Prain in Prain, Bengal Plants 268, 1903 (non Roxb.) is H.prainii Raiz.et Chatt. nom.nov.
- Rajkhowa, S.: The Upper Assam Dipterocarpus-Mesua forests and their regeneration (Indian For. 87, 1961, 406-425).
Mainly silvicultural.

- : Forest types of Assam, with special reference to the evergreen and semi-evergreen forests (Indian For. 87, 1961, 520-541).
This is a re-classification of the forest types of Assam, based on greater knowledge of the forest constituents than was available to Champion. The author lists 14 different types, for most of which he gives lists of the main forest constituents; for each species he gives the "percentage density of stems above 3' girth"; for the Upper Assam Mesua-Dipterocarp forests the author communicates in addition the number of specimens of a given species above 3 ft in girth in 100 acres.
- Rambo, B.: Der Regenwald am oberen Uruguay (Sellowia n.7, 1956, 183-233).
- : Regenwald und Kamp in Rio Grande do Sul (Sellowia n. 8, 1957, 257-353).
Rainforest is progressing.
- Rangaswami, G. & S. Chaudrasekaran: Cercospora species on cucurbitaceous hosts in South India. I. Identification of species (Fungi) (Mycologia 53, 1961, 371-377).
7 spp.
- Rao, R. S.: Observations on the mangrove vegetation of the Godavari Estuary (Proc. Mangrove Symp. 1959, 37-44).
26 spp. listed; distribution in Gangetic and Chakaria Sunderbans.
- & J. Joseph: Livistona jenkinsiana (Palm.) (Principes, J. Palm Soc. 6, 1962, 103-105, 1 distr. map, fig. 60-62).
Only Indian sp.
- & R. V. Kammathy: Notes on Indian Commelinaceae. I (J. Bombay Nat. Hist. Soc. 59, 1962, 58-70, 3 pl., 2 tables, 6 distr. maps).
Treats Commelina, Aneilema, Murdannia, and Cyanotis; no novelties.
- & G. Panigrahi: Eastern Circle of the Botanical Survey of India (Bull. Bot. Surv. India 1, 1959, 62-69, 6 phot.).
Outline of Circle and work.
- , B. M. Wadhwa & M. Y. Ansari: Comparative studies on the distribution of some useful trees of tropical evergreen forests in the Western and Eastern parts of India (Ind. For. 87, 1961, 220-241, 1 table, 16 distr. maps).
- Rao, T. A.: Report on a botanical tour to Milam glaciers (Bull. Bot. Surv. India 1, 1959, 97-120, 7 photogr., map).
Route and vegetation description; plant list.

- : A botanical tour to Pindari glaciers and Kumaon Hill stations (Bull.Bot.Surv.India 2, 1960, 61-94, 5 fig.).
Itinerary and plant list.
- : A further contribution to the flora of Jammu and Kashmir State (Bull.Bot.Surv.India 2, 1960, 387-423, tables 1-2).
Vegetation and ecology; plant list; 687 spp.
- Rao, V.S. & A. Ganguli: The floral anatomy of some Asclepiada-ceae (Proc.Ind.Ac.Sc. 57 B, 1963, 15-44, 74 fig.).
- Rappard, F.W.: Bos en bosexploitatie in het Centrale Bergland (Ned.Nieuw Guinea 10, 1962, 18-21, 4 fotogr.).
- Rattenbury, J.A.: Origins of the New Zealand flora: Cytogeo-botanical observations on the "Malayan element" (The Evol. of Living Organisms, Melbourne, 1959, 417-425, 3 fig.).
- Ratter, J.A.: Some chromosome numbers in the Gesneriaceae (Not.R.Bot.Gard.Edinb. 24, 1962, 221-229, 3 fig., 1 tab.).
- Rau, M.A.: Northern Circle of the Botanical Survey of India (Bull.Bot.Surv.India 1, 1959, 59-61, 2 fotogr.).
General outline of this Circle and work done.
- : On a collection of plants from Lahul (Bull.Bot.Surv.India 2, 1960, 45-56, 1 fig.).
Itinerary and plant list.
- : Occurrence of Alectra parasitica A.Rich. in India. A new variety from Banda district, U.P. (Scroph.) (Bull.Bot.Surv.India 3, 1961, 25-27, 2 fig.).
Key to 3 spp. and full descr. of the most curious parasite *A.thomsonii* Hook.f.
- : Flowering plants and ferns of North Garhwal, Uttar Pradesh, India (Bull.Bot.Surv.India 3, 1961, 215-251, 1 fig., 2 tables).
Largely a plant list.
- & T.A.Rao: Some plant records (Bull.Bot.Surv.India 1, 1959, 142-143, 4 fig.).
Enhydra; Menyanthes; Primula; Elatostema; Corallorhiza, and the highly interesting parasitic *Alectra thomsonii* Hook.f.
- & ----- : Some plant records. II (Bull.Bot.Surv.India 2, 1960, 43-44, 1 fig.).
Incl. i.a. *Falconeria himalaica* (Scroph.) and *Balanophora involucrata*.
- & ----- : Some plant records. III (Bull.Bot.Surv.India 2, 1960, 425-426).
5 spp. from new localities.

- & —— : Some plant records. IV (Bull.Bot.Surv.India 3, 1961, 29-30, 3 fig.).
- Raven, P.H.: The correct name for Rescue Grass (Brittonia 12, 1960, 219-221, 1 fig.).
Festuca unioloides Willd. = Bromus willdenowii Kth, instead of B.unioloides (Willd.) Raspail, non H.B.K.
- : The genus Epilobium in the Himalayan region (Onagr.) (Bull.Brit.Mus.Bot. 2, 1962, 325-382, 13 maps, pl.33-39).
Key; descr.; 1 sp. from Luzon, E.brevifolium D.Don var. trichoneuron (Hauskn.) Raven (E.philippinense C.B.Rob.).
- : The generic position of "Boisduvalia tasmanica" (Onagr.) (Aliso 5, 1963, 247-249, 3 fig.).
Reduced to Epilobium.
- Raymond, M.: An interesting Aeschynanthus from Thailand (Mém. Jard.Bot.Montréal n. 55, 1962, 31-35, 1 fig.).
A hosseusii Pellegrin; new comb. in Belvisia (Pterid.).
- Reeder, J.R.: The Bambusoid embryo: a re-appraisal (Am.J.Bot. 49, 1962, 639-641, 17 fig.).
The vascular system is festucoid; on the basis of embryo-structure bamboos cannot be distinguished from the oryzoid-olyroid grasses; they should form a subfamily rather than a family.
- Rees, A.R.: Germination of palm seeds using a method developed for the oil palm (Principes 7, 1963, 27-30, 2 tables).
- Reid, D.A.: Podoserpula Reid: a new genus based on Craterellus pusio Berkeley (Fungi) (Kew Bull. 16, 1963, 437).
Occurs in Venezuela, New Zealand and Australia; in the tropics on the mountains!
- Richards, P.W.: The type of vegetation of the humid tropics in relation to the soil (Trop.Soils & Veget. - Proc. Abidjan Humid Trop.Symp. 1961, 15-23).
A very full general account.
- Riedl, H.: Bemerkungen über Cynoglossum coelestinum Lindl. und C.glochidiatum Wall. sowie Versuch einer Neugliederung der Gattung Cynoglossum L. (Borag.) (Osterr.Bot.Z. 109, 1962, 385-394, 1 fig.).
Some genera reduced; census of subgenera and sections; specific names listed.
- Robbins, R.G.: The vegetation of New Guinea (Australian Territories 1, n. 6, 196?, 12 pp., fig., fotogr.).
Vegetation types.

- : The montane vegetation of New Guinea (Tuatara 8, 1961, 121-134, 5 photogr.).
Vegetation description.
- : The Podocarp-Broadleaf forests of New Zealand (Trans. R.Soc.New Zeal. Bot. 1, 1962, 33-75, 24 fig., 1 table, 5 pl.).
Forest structure analysis; hypothesis is that the conifer forest is very gradually replaced by angiosperm forest trees as a stage in a historical process. How this can be reconciled with the ancient Nothofagus and Proteaceous flora is not clear.
- Robijns, A.: Essai de monographie du genre Bombax s.l. (Bomb.) Suite (Bull.Jard.Bot.Brux. 33, 1963, 145-316, 13 fig., 4 pl.).
- Rogers, D.J.: Studies of Manihot esculenta Crantz and related species (Euph.) (Bull.Torr.Bot.Cl. 90, 1963, 43-54, 2 fig.).
Interesting general account of data and problems.
- Royen, P. van: Notes on the vegetation of South New Guinea (Nova Guinea, Bot. n. 13, 1963, 195-241, pl. 13-16, map).
Climate and soils; vegetation descr. of savannahs; riverine; Lake Wam; Fly and Wassi Kussa R.
- : Sertulum papuanum 8, Rafflesiaceae (Nova-Guinea, Bot. n. 14, 1963, 243-245, pl. 17).
First record of Mitrastemon.
- Rutter, A.J. & Khalid Hamid Sheikh: A survey of the vegetation of waste lands round Lahore (Punjab) and its relation to soil conditions (Biologia 8, 1962, 91-121, 5 fig., 9 tables).
Sociological with regard to soil conditions.
- Salisbury, I.: Natural selection and plant invasion (S.Afr.J. Sc. 49, 1952, 115-119).
Aggressiveness of introductions is wholly or even mainly outcome of absence of biological enemies of their native home.
- : The biology of garden weeds (J.Roy.Hort.Soc. 87, 1962, 338-350, 390-404, 458-470, 497-508).
The Masters Memorial Lecture. A most interesting account of great value to ecology.
- Sandhu, D.K. & R.S. Sandhu: A new variety of Aspergillus nidulans (Fungi) (Mycologia 55, 1963, 297-299, 3 fig.).
- Santapau, H.: Critical notes on the identity and nomenclature of some Indian plants (Bull.Bot.Surv.Ind. 3, 1961, 11-21).
Many notes, largely taken from recent literature and affecting names of Indian plants.

- & Z.Kapadia: Critical notes on the Orchidaceae of Bombay State. VI. Nervilia Gaud.& Malaxis Sw. VII. Eria Lindl. & Porpax Lindl. VIII. Some of the smaller genera (J.Bomb.Nat.Hist.Soc. 58, 1961, 332-350, 3 pl.; 595-607, 3 pl.; ibid. 59, 1962, 154-172, 6 pl.; IX: ibid. 382-404, 8 pl.).
- & Y.Merchant: Critical notes on the Rubiaceae of Bombay (Bull.Bot.Surv.India 3, 1961, 107-110).
- Santiago,A.: An illustrated guide to Malayan Citrus species and varieties (Rutac.) (Bull.Div.Agric.Malaya 414, 1962, 1-138).
- Saroja,T.I.: Observations on the actinomorphic form of Clitoria ternatea Linn. (Legum.) (Bull.Bot.Surv.India 3, 1961, 409-410, 6 fig.).
- Satake,T.: A new system of the classification of Palmae (Hikobia 3, 1962, 112-133, 4 fig., 9 tables).
Including also new survey with new tribes and subfamilies.
- Sauer,J.D.: Effects of recent tropical cyclones on the coastal vegetation of Mauritius (J.Ecol. 50, 1962, 275-290, 9 fig., 32 fotogr.).
All artificial Casuarina back-beach groves perished; even very brittle mangroves survived.
- Saville,D.B.O.: Collection and care of botanical specimens (Research Branch, Canada Department Agric. Publ. 1113, 1962, 1-24, 13 fig.).
- Saxena,P.N.: Chaetophorales (Algae) (Bull.Nat.Bot.Gard.Luckn. n. 57, 1961, 1-59, 5 fig.).
Keys and descriptions.
- Schenck,H.: Die myrmekophilen Acacia-Arten (Legum.) (Bot. Jahrb. 50 (Suppl. Bd), 1914, 449-487, 14 fig.).
- Schnell,R.: Techniques d'herborisation et de conservation des plantes dans les pays tropicaux (J.Agric.Trop.Bot. 7, Appl., 1960, repr. 1-48, 9 fig.).
- : Remarques préliminaires sur quelques problèmes phyto-géographiques de Sud-Est Asiatique (Rev.Gén.Bot. 69, 1962, 301-367, 6 fig., pl.30-36).
The author who is lucky to have personal experience in Africa has made a prolonged tour to Indo-China and also visited West Java. Comparisons are made between African and Asiatic tropical forests and floras and chapters are devoted to vegetation. Lively discussion about dispersal problems and about origin of open forest land.

- : Sur une structure anormale de Casuarina equisetifolia L. et la question des "halomorphoses" (Bull.Inst.Fr.--- Afr.Noire 25A, 1963, 301-306).
Twigs of specimens planted near the sea at Dakar showed a sort of Salicornia-like habit; also their anatomy was deviating. The cause is thought to be salt blown on the trees in minute drops of spray from the surf.
- , G.Cusset & M.Quenum: Contribution à l'étude des glandes extra-florales chez quelques groupes de plantes tropicales (Rev.Gén.Bot. 62, 1963, 269-341, 7 pl., text fig., bibliogr.).
Treatment in about the same way as by Metcalfe & Chalk, with emphasis on Africa. In the general part, two kinds of nectaries are distinguished: glands proper, and glandular hairs, the latter subdivided into simple trichomes and vascular structures.
- Schofield, W.B.: Treubia nana in North America (Hepat.) (The Bryologist 65, 1962, 277-279).
Japanese sp. found in Queen Charlotte I., B.C.
- Schroo, H.: Data on the salinization of a coastal soil in the monsoonal rice area of Southern New Guinea (Meded. Proefst.Manokwari, Soil Sc. Series n. 6, 1961, 231-248, 3 fig., 11 tables).
Salt is restricted to upper horizon of profiles without causal relationship to salty groundwater.
- Schubert, B.G.: Desmodium: Preliminary studies. IV (Legum.) (J.Arn.Arb. 44, 1963, 284-297, 6 fig.).
- Schultze-Motel, W.: Beitrag zur Kenntnis der Laubmoose der Hawaii-Inseln (Musci) (Willdenowia 3, 1962, 97-107).
List of Degener collection and a few others.
- : Zur Nomenklatur der Laubmoose Macromitrium noguchianum and Pohlia rubripila aus Neuguinea (Musci) (Taxon 11, 1962, 179-180).
Through homonymy two new comb.
- : Zur Nomenklatur einiger Papuanischer Laubmoose (Musci) (Taxon 12, 1963, 127).
Some new comb. precursory to a list of Papuan Musci.
- Schuster, R.M.: North American Lejeuneaceae. VIII. Lejeunea, subgenera Microlejeunea and Chaetolejeunea (Hepat.) (J.Hattori Bot.Lab. n. 25, 1962, 1-80, 13 fig., 1 table, 8 graphs).
Keys.
- : Studies on Hepaticae XI-XIII. On Temnoma, Vetaforma and Lophochaete (Blepharostomaceae; Hepaticae) (Nova Hedwigia 5, 1963, 27-46).

- Schwarz, O. & H. Weide: Systematische Revision der Gattung Sequoia Endl. (Conif.) (in Fedde, Rep. 66, 1962, 159-192, 10 fig., 2 tables).
3 spp. recognized; *Metasequoia* is reduced.
- Sebastine, K.M.: A contribution to the flora of Vellingiri and Maruthumalai hills of the Coimbatore district (Bull. Bot. Surv. India 1, 1959, 90-96, map).
List of plant names.
- : Studies on the flora of the Pakasura hills (Hulical Drug R.P.) in the Nilgiri district, Madras state (Bull. Bot. Surv. India 2, 1960, 4-7).
Concise ecology; list of plants.
- & A.N. Henry: Studies on the flora of Singampatti reserve forest in Tirunelveli district, Madras state (Bull. Bot. Surv. India 2, 1960, 27-42).
Concise ecology; plant list.
- & ----- : A new species of Reidia from South India (Euph.) (Bull. Bot. Surv. India 2, 1960, 437-439, 10 fig., 1 photogr.).
- & ----- : Vascular plants of Pachamalais, India (Bull. Bot. Surv. India 3, 1961, 55-65).
Plant list.
- & K. Ramamurthy: A new species of Dichrostachys from South-India (Legum.) (Bull. Bot. Surv. India 3, 1961, 359-360, 1 pl.).
D. santapau n.sp.
- , K. Thothathri & N.P. Balakrishnan: Observations on the Flora of Narasapur, Medak District, Andhra Pradesh (Bull. Bot. Surv. India 2, 1960, 275-285).
- Sen Gupta, G.: A taxonomic note on Solanum khasianum Clarke and description of a new variety under it (Solan.) (Bull. Bot. Surv. India 3, 1961, 411-415, 1 pl.).
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- : Matériaux pour la flore du Cambodge, du Laos et du Vietnam. Nouveautés pour la flore du Vietnam (Adansonia 2, 1962, 322-329, 1 pl.). 2 spp. of *Hopea*; 1 *Shorea*; 1 *Linociera*.
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