

XV. BIBLIOGRAPHY
(continued from p. 1771)

The entries have been split into five categories: a) Algae - b) Fungi & Lichenes - c) Bryophytes - d) Pteridophytes - e) Spermatophytes & General subjects. — Books have been marked with an asterisk.

a) Algae:

Belcher, J.H.: Prasiococcus calcarius (Boye Petersen) Vischer in the South Sandwich Islands (Chloroph.) (Br. Phycol. J. 4, 1969, 119-120, 1 fig.).

Bugglen, R.G. & R.T. Tsuda: A record of benthic algae from Johnston Atoll (Atoll Res. Bull. 120, 1969, 1-7). $16^{\circ}15' N$, $169^{\circ}30' W$. No novelties.

Chapman, V.J.: The marine algae of New Zealand (Rhodophyceae 3, 1969, 113 pp., 35 fig., 38 pl.). With keys.

Colinvaux, L.H.: New species of Halimeda: a taxonomic reappraisal (J. Phycol. 4, 1968, 30-35, 6 fig.). Indian Ocean material elaborated; H. opuntia is a composite genus.

Cribb, A.B.: Some Trentepohlias new to Australia (Phykos 7, 1968, 3-8, 38 fig.). Also some new species.

Earle, S.A.: Hummbrella, a new red alga of uncertain taxonomic position from the Juan Fernandez islands (Occ. Pap. Farlow Herb. Crypt. Bot. 1969, 1-5, 8 fig.).

Gilbert, W.J.: Rhipidiphyllon cladophoroides, a new marine green alga from Hawaii (Chloroph.) (Phycologia 7, 1969, 54-58, 8 fig.).

Gonzalves, E.A. & S.C. Jain: Some Oedogoniaceae from Tungar Hill and surrounding areas (Chloroph.) (Phykos 7, 1968, 9-22, 15 fig.).

Hortobágyi, T.: Algen aus Vietnam. IV. Chlorophyta. II (Scenedesmen, Conjugatophyceae) (Act. Bot. Ac. Sci. Hung. 15, 1969, 37-69, fig. 132-234).

Iyengar, M.O.P. & K.R. Ramanathan: Contributions to our knowledge of South Indian Algae. II. Gloeodendron Kors. (Phykos 7, 1968, 23-26, 32 fig.).

- Joly, A.B. & K. Alveal: Notes on Chilean algae. I. Aphanocladia pacifica, a new entity or the South American flora (Rhodoph.) (*Rickia* 3, 1968, 89-96, 9 fig.).
The first sp. from Australia and New Zealand; the second new sp. from Chile.
- Khan, K.R.: Ecology of some littoral blue-green algae of Oahu (Cyanoph.) (*Rev. Algol.* 9, 1969, 217-230, 16 fig., 3 tab.).
- Newhouse, J.: The algae of Kapingamarangi Atoll, Carolines (*Atoll Res.Bull.* 121, 1969, 1-7).
- Nizamuddin, M.: Contribution to the marine algae from West Pakistan. I. Morphology and ecology of siphonous algae (*Rev. Algol.* 9, 1969, 239-274, 44 fig., pl. 9-11).
- Padmaja, T.D. & T.V. Desikachary: Studies on coccoid blue-green algae. I. Synechococcus elongatus and Anacystis nidulans (Cyanoph.) (*Phykos* 7, 1968, 62-89, 12 fig., 6 tab.).
- Patel, R.J.: On Coleochaete from Gujarat, India (Chloroph.) (*Phykos* 7, 1968, 90-97, 16 fig.).
- & M.A. Francis: Observation on Vaucheria longicaulis Hoppeaugh from India (Chloroph.) (*Phykos* 7, 1968, 98-101, 8 fig.).
- Prasad, B.N. & P.N. Srivastava: Systematic and ecological studies on algae of alkaline (Usar) soils (Cyanoph.) (*Phykos* 7, 1968, 102-111, 7 fig., 1 tab.).
- Prowse, G.A.: Some new desmid taxa from Malaya and Singapore (*Gard.Bull.Sing.* 24, 1969, 337-346, 2 fig., 7 pl.).
- Ramanathan, K.R.: Askenasyella randhwai sp.nov., a new Chlorophyceae from Madras and its systematic position (*Phykos* 7, 1968, 112-116, 14 fig.).
- Rao, M.U.: Liagora visakhapatnamensis, a new species from India (*Hydrobiologia* 33, 1969, 201-208, 25 fig.).
- Rattan, R.S.: Some interesting forms of Zygnemataceae from Panjab, India (Chloroph.) (*Phykos* 7, 1968, 117-125, 39 Fig.).
- Rhyne, C.P. & H. Robinson: Struveopsis, a new genus of green algae (Chloroph.) (*Phytologia* 17, 1968, 467-471, 3 Fig.).
1 new species from the Indian Ocean.
- Saito, Y.: The algal genus Laurencia from the Hawaiian Islands, the Philippine Islands and adjacent areas (*Pac.Sci.* 23, 1969, 148-160, 11 fig.).

- Singh, R.B.: On the morphology of a new species of the genus Chroococcidiopsis, C. doonensis (Cyanoph.) (Nova Hedwigia 16, 1968, 299-303, 1 fig.).
- Srivastava, P. & J. Nizam: Suxenella crucigeneaeformis genus et sp. novo (Chloroph.) (Rev. Algol. 9, 1969, 236-238, 5 fig.).
From Hyderabad.
- Subba Raju, N.: Oedogoniaceae from Andhra Pradesh. II. Three new forms of Oedogonium (Chloroph.) (Phykos 7, 1968, 161-164, 2 fig.).
- Suxena, M.R. & V. Venkateswarlu: Desmids of Andhra Pradesh. II. From Dharmasagar Lake, Warangal (J. Indian Bot. Soc. 47, 1968, 23-45, 53 fig., 1 pl.).
----- & ----- : Desmids from Kashmir (Phykos 7, 1968, 165-185, 49 fig.).
- Tiwari, G.L. & A.K. Mitra: Sympytonemopsis katniensis gen. et sp. nov., a new member of the Myxophyceae (Cyanoph.) (Phykos 7, 1968, 186-194, 9 fig.).
- Vaidya, B.S.: A preliminary survey of Cyanophyceae of Mount Abu (Phykos 7, 1968, 195-197).
- Vasishtha, P.C.: Thermal Cyanophyceae of India. I (Phykos 7, 1968, 198-241, tab.).
- Wynne, M.J.: Life history and systematic studies of some Pacific North American Phaeophyceae (brown algae) (Univ. Calif. Publ. Bot. 50, 1969, 1-88, 12 fig., 24 pl.).
- b) Fungi & Lichenes:
- Agnihothrudu, V.: Some slime-moulds from Southern India. X (Fungi) (Sydowia 22, 1969, 179-182, 13 fig.).
- Ahmad, Sultan: Contribution to the fungi of West Pakistan. VII-VIII (Biologia 14, 1968, 1-11, 13-17).
----- : Fungi of West Pakistan. Suppl. I (Biol. Soc. Pakistan, Monogr. no 5, 1969, 1-110).
1000 names are added to the original list.
- Anahosur, K.H.: Kamatella, a new genus of the Sphaeropsidales (Fungi) (Bull. Torr. Bot. Club 96, 1969, 207-208, 1 fig.)
A fungus on Eugenia jambolana in Mysore.
- : Studies in Indian Phyllachoraceae. XI (Fungi) (Sydowia 22, 1969, 166-169, 2 fig., 2 tab.).

- Asahina, Y.: Lichenologische Notizen (J.Jap.Bot. 43, 1968, 495-499, 2 fig.; ibid. 44, 1969, 33-39, 3 fig., pl. 5-7).
A.O. two new Usneas from New Guinea.
- *Barron, G.L.: The genera of Hyphomycetes from soil (1968) i-xiii + 1-364 pp., 226 fig.
Fungi; keys to genera and species.
- Batra, L.R.: Phaeodiscus, a new genus of Sclerotiniaceae (Inoperculatae: Discomycetes) (Fungi) (Amer.J.Bot. 55, 1968, 1205-1209, 22 fig.).
From Mussoori, India.
- Bilgrami, K.S. & J.L.Shreemali: A new species of Sphaeropsis on Muehlenbeckia platyclados Meisn. (Fungi) (Curr.Sci. 38, 1969, 223-224).
- Booth, C. & W.P.Ting: Dolabra nepheliae gen. nov., sp. nov., associated with canker of Nephelium lappaceum (Fungi) (Brit.Mycol.Soc.Trans. 47, 1964, 235-237, 1 fig.).
- Bose, S.K. & E.Müller: Central Himalayan fungi. III (Indian Phytopath. 20, 1967, 124-138, fig.23-32).
- Butin, H.: Über die Pilzgattung Cytaria Berk. in Chile (Fungi) (Zeitschr.f.Pilzkunde 35, 1969, 85-92, 5 fig.). Ethnobotanical.
- Chandra, S. & R.N.Tandon: A new species of Pestalotia on the leaves of Phoenix rupicola Anders. (Fungi) (Curr.Sci. 38, 1969, 47-48, 4 fig.).
- Chang, Yung: Linderina macrospora sp. nov. from Hong Kong (Fungi) (Trans.Brit.Mycol.Soc. 50, 1967, 311-314, 1 fig., 1 tab., pl.12).
- Chavan, P.B.: Critical notes on rust fungi of Marahashtra, India (Sydowia 22, 1969, 292-294, 2 fig.).
- Chee, K.H.: Variability of Phytophthora species from Hevea brasiliensis (Fungi) (Trans.Brit.Mycol.Soc. 52, 1969, 425-436, 5 tab., pl.28).
1 new species described.
- Chiplonkar, A.: Ascomycetes of Maharashtra, India (Fungi) (Sydowia 22, 1969, 274-277, 3 fig.).
- Chowdhury, S.R.: A new species of Cercospora from India (Fungi) (Mycopath.et Mycol.Appl. 37, 1969, 254-256, 1 fig.).
- Corner, E.J.H.: Notes on Clavaria (Fungi) (Trans.Brit.Mycol. Soc. 50, 1967, 33-44, 8 fig., 1 tab.).

- : A monograph of Thelephora (Basidiomycetes) (Fungi) (Beih.z.Nova Hedwigia 27, 1968, 1-116, 52 fig., 6 pl., 2 diagr.).
- : Larger fungi of the Solomon Islands (Phil.Trans.R. Soc.Lond. B 255, 1969, 579). Attenuated nature of Melanesian fungi flora; maybe several groups absent because of absence of Fagaceae.
- Dennis, R.W.G.: A new fungus on Festuca crispato-pilosa Bor. (Webbia 23, 1969, 589, 1 fig.). *Trichodiscus hooglandii* n.sp.
- Dodge, C.W.: Lichenological notes on the flora of the Antarctic continent and the Subantarctic islands. VII-VIII (Nova Hedwigia 15, 1968, 285-332).
- Filson, R.B.: A review of the genera Teloschistes and Xanthoria in the lichen family Teloschistaceae in Australia (Muelleria 2, 1969, 65-115, 15 pl., fig.35-46). Keys and descr. of 10 spp.; 2 new combinations.
- Galloway, D.J.: A new variety of Usnea (Neuropogon) ciliata (Nyl.) Dr., in Southern New Zealand (Lichenes) (New Zeal.J.Bot. 6, 1968, 470-472, 2 fig.).
- Ghosh, R.N., N.C.Pathak & I.Tewari: Studies on Indian Agaricales. I (Fungi) (Indian Phytopath. 20, 1967, 237-242, 16 fig.).
- Hanlin, R.T.: Fungi in developing peanut fruits (Mycopatol. et Mycol.Appl. 38, 1969, 93-100, 2 fig., 2 tab.). Not taxonomic.
- Harley, J.L.: Presidential address. Fungal symbiosis (Trans. Brit.Micol.Soc. 51, 1968, 1-11, 2 fig., 3 tab.). An interesting survey impressing that a very large number of phanerogams lives in symbiosis with fungi by mycorrhiza.
- Hawksworth, D.L.: A new variety of Alectoria virens Tayl. from Yunnan Province, China (Lichenes) (Miscell.Bryol. et Lichen. 5, 1969, 1-3, 1 fig.).
- Henssen, A.: Three non-marine species of the genus Lichina (Lichenes) (The Lichenologist 4, 1969, 88-98, 3 fig., 3 pl.). Including one species from Tasmania.
- Hongo, T.: Notes on Japanese larger fungi (J.Jap.Bot. 44, 1969, 230-238, 3 fig.). 5 new species.

- Hughes, S.J.: New Zealand fungi 13. Trichocladium Harz (New Zeal.J.Bot. 7, 1969, 153-157, 1 fig.).
1 new species.
- Husain, S.S., S.M.Hasany & S.J.Ahmed: Some new records of fungi from West Pakistan (Pakist.J.Sci.Ind.Res. 10, 1967, 259-264, 7 pl.).
- Joly, P.: Eléments de la flore mycologique du Viet-nam. IV.
La flore des Pinèdes du Plateau du Lang-Bian (Fungi)
(Bull.trim.Soc.Mycol.Fr. 84, 1968, 529-566, 8 col.
fig., 4 tab.).
Name list.
- Kapoor, J.N.: Notes on Indian Meliolinae (Fungi) (Indian Phytopath. 20, 1967, 151-160, 8 fig.).
- Kar, A.K. & K.P.Pal: Some coprophilous Discomycetes of Eastern Himalaya, India (Fungi) (Mycologia 60, 1968, 1086-1092, 2 fig.).
- Karling, J.S.: Zoosporic fungi of Oceania. VI. Species with biflagellate zoospores (Mycopath.et Mycol.Appl. 37, 1969, 161-170, 28 fig.).
From Fiji.
- Kishimoto, R.A. & G.E.Baker: Pathogenic and potentially pathogenic fungi isolated from beach sands and selected soils of Oahu, Hawaii (Mycologia 61, 1969, 537-548, 1 fig., 3 tab.).
- Klement, O.: Key to Hawaiian lichens (Degener's Flora Hawaii-ana, Leafl. 1, 1968, 6 pp.).
Key to genera; synopsis of fam. & gen.; glossary.
- Kohlmeyer, J.: Ecological notes on fungi in mangrove forests (Trans.Brit.Mycol.Soc. 53, 1969, 237-250, 2 tab., pl. 20-21).
Tabulated survey; observations in Hawaii where mangroves are imported.
- : Marine fungi of Hawaii including the new genus Heli-cascus (Canad.J.Bot. 47, 1969, 1469-1487, 23 fig., 1 tab.).
- Kothari, K.L., M.K.Bhatnagar & N.S.Bhatt: Two new species of fungi (Indian Phytopath. 20, 1967, 93-96, 2 fig., 1 tab.).
- Kumbhojkar, M.S.: Osmophytic yeasts in Indian honeys (Fungi) (Curr.Sci. 38, 1969, 347-348, 3 fig.).
New species of Schizosaccharomyces.

- Kurokawa, S.: On the occurrence of Norlobaridone in Parmeliae (Lichenes) (J. Hattori Bot. Lab. 32, 1969, 205-218, 2 pl.).
Key.
- : A note on some rare lichens of Japan (J. Jap. Bot. 44, 1969, 225-229, 1 fig., pl. 18).
No novelties.
- Lakshminarasimham, A.V. & P. Rama Rao: Three new records of fungi from Indian soils (Curr. Sci. 38, 1969, 73-74, 3 fig.).
- Lucas, M.T.: Studies on some West Pakistan species of Pleospora (Fungi) (Trans. Brit. Mycol. Soc. 52, 1969, 87-97, 4 fig.).
- Mäkinen Yrjö: Ustilaginales of Hawaii (Fungi) (Pacif. Sci. 23, 1969, 344-349, 2 fig.).
Species listed.
- Malik, S.A., M.T. Jawaaid & M. Ahmad: Uredinales of Quetta/Kalat Region, West Pakistan (Fungi) (Biologia 14, 1968, 37-53, 1 pl.).
- & M.A. Virk: Contribution to the knowledge of parasitic fungi of Quetta Kalat Region (SW. Pakistan) (Biologia 14, 1968, 27-35).
- Mathur, R.S.: New records of Ascomycetes and fungi imperfecti for Iraq (Indian Phytopath. 21, 1968, 440-444).
No novelties; list of records.
- Mirza, F.: Taxonomic investigations on the ascomycetous genus Cucurbitaria S.F. Gray (Fungi) (Nova Hedwigia 16, 1968, 161-213, pl. 69-82).
- Mirza, J.H. & M.A. Nasir: Additions to the coprophilous fungi of West Pakistan. II (Nova Hedwigia 16, 1968, 283-288).
- Mukerji, K.G.: Fungi of Delhi. I. A new species of the genus Sepedonium Link. (Mycopath. et Mycol. Appl. 37, 1969, 304-312, 14 fig.).
- & S. Dhawan: Fungi of Delhi. X. A new species of Eutryblidiella from India (Nova Hedwigia 16, 1968, 433-437, 1 tab., pl. 166-168).
- Munjal, R.L. & D.D. Kulshrestha: Some dematiaceous Hyphomycetes from India. V. Stigmina species (Fungi) (Indian Phytopath. 21, 1968, 309-314, 2 fig.).
- Nag Raj, T.R.: Pestalozziella parva sp. nov. (Fungi) (Trans. Brit. Mycol. Soc. 52, 1969, 205-211, 3 fig., 1 tab.).
On Ludwigia adscendens Hara from India.

- Nand, K. & B.S. Mehrotra: Species of Pilobolus and Pilaira from India (Fungi) (Sydowia 22, 1969, 299-306, pl. 23-24).
- Otieno, N.C.: A check list of Polyporaceae of East and Central Africa (Fungi) (Sydowia 22, 1969, 199-215).
- Pavgi, M.S. & R.A. Singh: A new cypericolous Entyloma species from India on Eleocharis plantaginea (Nova Hedwigia 15, 1968, 423-426).
- Petersen, R.H.: Type studies in clavarioid fungi. III. The taxa described by J.B. Cleland (from Australia) (Bull. Torr. Bot. Club 96, 1969, 457-466).
- Ponnappa, K.M.: Hendersonia dracaenae sp. nov. (Fungi, Asc.) (Curr. Sci. 38, 1969, 72, 1 fig.).
From India.
- Rai, J.N., J.P. Tewari & K.G. Mukerji: Mycoflora of mangrove mud (Fungi) (Mycopath. et Mycol. Appl. 38, 1969, 17-31, 3 pl.).
- Rao, P. Rama: A new species of Nectria from soil (Fungi) (Mycopath. et Mycol. Appl. 37, 1969, 139-141, 1 fig.).
From Hyderabad.
- Reddy, S.M. & K.S. Bilgrami: An addition to species of Coniochaeta (Fungi) (Curr. Sci. 38, 1969, 48-49, 2 fig.).
New species.
- Rifai, M.A.: Stachybotrys bambusicola sp. nov. (Fungi) (Brit. Mycol. Soc. Trans. 47, 1964, 269-272, 1 fig.).
- Roy, A.J.: Some fungi from Almora, India (Indian Phytopath. 20, 1967, 340-348, 6 fig., 1 tab.).
- Roy, A.K.: A new species of Physalospora from India (Fungi) (Sydowia 22, 1969, 183-184).
- Roy, R.Y., R.S. Dwivedi & P.K. Khanna: Vinculum, a new genus of Deuteromycetes (from India) (Fungi) (Brit. Mycol. Soc. Trans. 48, 1965, 113-115, 1 fig., pl. 9).
- Sarbhoy, A.K.: Mucor variabilis sp. nov. from India (Fungi) (Brit. Mycol. Soc. Trans. 48, 1965, 559-560, 1 fig.).
- Sato, M.: Distribution and substratum of the Japanese lichens (Miscell. Bryol. et Lichen. 4, 1967, 129-131, fig. 3: map; transpacific).

- : Revision of the New Zealand lichens. 2-3 (Miscell. Bryol. et Lichen. 4, 1968, 150-152, 2 fig., 1 tab.; ibid. 5, 1969, 27).
- Seshadri, V.S.: Critical observations on the fungus genus Ciliochorella (India) (Mycopath. et Mycol. Appl. 38, 1969, 129-131, 1 fig.).
- : Studies in Indian Phyllachoraceae. X (Fungi) (Sydowia 22, 1969, 284-288, 2 fig.).
- Stevenson, J.A.: A host index to Hansfords' Monograph of the Meliolineae (Fungi) (Sydowia 22, 1969, 225-249).
- Sundaram, B.M.: Petersenia catenophlyctidis sp. nov. (Fungi) (J. Indian Bot. Soc. 47, 1968, 144-149, 10 fig., 1 tab.) Aquatic fungus (Phykomycetes).
- Tewari, V.P. & K.B. Khare: Two interesting phalloids from Uttar Pradesh (Fungi) (Indian Phytopath. 21, 1968, 374-378, 7 fig.).
No novelties.
- Thirumalachar, M.J. & M.S. Pavgi: Notes on some Indian Ustilagineae. X (Fungi) (Sydowia 22, 1969, 250-253, pl. 15-16).
- Tilak, S.T. & S.B. Kale: Contribution to the genus Ostreola (Fungi) (Indian Phytopath. 21, 1968, 289-293, 2 fig., 1 tab.).
2 new species from India.
- Vaidehi, B.K.: A new species of Leptosphaeria (India) (Fungi) (Mycopath. et Mycol. Appl. 38, 1969, 135-137, 1 fig.).
- Weber, W.A.: A taxonomic revision of Acarospora, subgenus Xanthothallia (Lichenes) (The Lichenologist 4, 1968, 16-31).
All parts of the world; names enumerated incl. Australia, China, etc.
- Yoshimura, I.: Japanese species of Thyrea (Lichenes) (J. Jap. Bot. 43, 1968, 500-504, 1 fig.). 2 Species.
- : The phytogeographical relationships between the Japanese and North American species of Cladonia (Lichenes) (J. Hattori Bot. Lab. 31, 1968, 227-246, 8 fig., 3 tab.).
- : Lichenological notes. 1-6 (J. Hattori Bot. Lab. 31, 1968, 198-204, 2 fig.; ibid. 32, 1969, 67-78, 4 fig., 1 tab.). Largely phytochemical.
- : Taxonomy of Lobaria subdissecta and its allies (Lichenes) (J. Hattori Bot. Lab. 32, 1969, 57-66, 4 fig., 1 tab.).

c) Bryophytes:

- Amakawa, T.: New or critical species of the genus Scapania of Japan. I (Hepat.) (J. Hattori Bot. Lab. 31, 1968, 94-100, 4 fig.).
- : New or little known Asiatic species of the family Jungermanniaceae. IV-V (Hepat.) (J. Hattori Bot. Lab. 31, 1968, 101-112, fig. 17-21; ibid. 32, 1969, 123-128, 3 fig.).
- : Jamesoniella of Mt. Kinabalu, N. Borneo (Hepat.) (J. Hattori Bot. Lab. 32, 1969, 116-122, 4 fig.).
Keys.
- Campbell, E.O.: Marchantia polymorpha var. aquatica in New Zealand (Hepat.) (Tuatara 16, 1968, 179-184, 3 fig., 1 pl.).
- Castle, H.: Radula (L.) Dumortier - A synopsis of the taxonomic revision of the genus (Musci) (Rev. Bryol. et Lichén. 36, 1968, 5-44).
Names listed according to the author's 12 published instalments, 1937-1967.
- Crum, H. & D. Mueller-Dombois: Two new mosses from Hawaii (J. Hattori Bot. Lab. 31, 1968, 293-296).
- Engel, J.J.: A taxonomic monograph of the genus Balantiopsis (Hepat.) (Nova Hedwigia 16, 1968, 83-130, pl. 27-59).
- Greene, S.W.: Studies in Antarctic bryology. I. A basic check list for mosses (Rev. Bryol. et Lichén. 36, 1968, 132-138, 1 fig.).
Additional records to existing check lists by Cardot and Steere.
- : Studies in Antarctic Bryology. II. Andreaea, Neuroloma (Rev. Bryol. et Lichén. 36, 1968, 139-146, 1 fig.).
Listed names discussed.
- Grolle, R.: Lebermoose aus Neuguinea. 7. Vierte Fundliste (Hepat.) (J. Hattori Bot. Lab. 31, 1968, 1-12, 3 Abb.).
List: 4 new species.
- : Gottschelia - eine neue Jungermanniales Gattung der Paläotropis (Hepat.) (J. Hattori Bot. Lab. 31, 1968, 13-19, 2 Abb.).
- : Monographie der Gattung Nowellia (Hepat.) (J. Hattori Bot. Lab. 31, 1968, 20-49, 8 Abb., 2 Karten).
Key; also species.
- : Einige ostmalesische Lebermoose (Hepat.) (Nova Hedwigia 16, 1968, 147-159, Taf. 66-68).

- : Novae Guineae Hepaticae Schusteranae. I (J.Hattori Bot.Lab. 32, 1969, 140-144, 1 fig.).
- : Miscellanea hepaticologica (101-110) (Österr.Bot.Z. 117, 1969, 1-6, 1 fig.).
Also a single Javanese species treated.
- Hattori,S.: Résultats des expéditions scientifiques genevoises au Népal en 1952 et 1954 (partie botanique) 20.
Hepaticae (Candollea 23, 1968, 275-285).
List; no novelties.
- : Hepaticae collected by F.Schmid in Ceylon and Pakistan (Candollea 23, 1968, 287-294, 1 fig.).
List; one new Calypogeia.
- : Studies of the Asiatic species of the genus Porella (Hepaticae). II (J.Hattori Bot.Lab. 32, 1969, 319-362, 25 fig.).
- & M.Mizutani: Metacalypogeia schusterana and M.quelpaertensis (Hepat.) (Miscell.Bryol.et Lichén. 4, 1967, 121-124, 2 fig.).
One species in Korea.
- & ----- : Asiatic species of Pseudolepicolea (Hepat.) (J.Hattori Bot.Lab. 31, 1968, 251-259, 5 fig.).
- , A.J.Sharp, M.Mizutani & Z.Iwatsuki: Takakia ceratophylla and T.lepidozioides of Pacific North America and a short history of the genus (Hepat.) (Miscell. Bryol.et Lichén. 4, 1968, 137-149, 7 fig.).
- Hürlimann,H.: Hepaticae aus dem Gebiete des südlichen Pazifik. II (Bauhinia 4, 1969, 73-84, 3 fig.).
List; several new species.
- Inoue,H.: Taxonomic miscellany on the genera Plagiochila and Syzygiella (Hepat.) (Bull.Nat.Sci.Mus.Tokyo 11, 1968, 299-307, 2 fig.).
New species and records; incl. also data from Java, Australia, India, Ceylon, etc.
- : Contributions to the knowledge of the Plagiochilaceae of Southeastern Asia. XI. New or little-known species of Plagiochila from North Vietnam (Hepat.) (J. Hattori Bot.Lab. 31, 1968, 297-311, 7 fig.).
- : Ditto. XII. Typification of Plagiochila javanica (Swartz) Dum. (Hepat.) (J.Hattori Bot.Lab. 32, 1969, 50-56, 2 fig.).

- : Ditto. XIII. New species of Plagiochila with notes on sect. Abietinae and sect. Peculiares (Hepat.) (J. Hattori Bot. Lab. 32, 1969, 99-115, 6 fig.). New species and some keys.
- : Notes on the genus Mannia Corda in Japan (Hepat.) (Bull. Nat. Sci. Mus. Tokyo 11, 1968, 405-410, 1 fig.). Key to species.
- Iwatsuki, Z.: Bryological Miscellanies. XIX-XX (J. Hattori Bot. Lab. 32, 1969, 269-289, 10 fig.). (Musci) Records from Borneo (Mt Kinabalu) and Taiwan.
- & S. Hattori: Studies on the epiphytic moss flora of Japan. 18. The epiphytic bryophyte communities in the broad-leaved evergreen forests of Hanaze, S. Kyushyu (J. Hattori Bot. Lab. 31, 1968, 189-197, 1 fig., 2 tab.).
- & M. Kan: Disclerium nudum (Dicks.) Brid. occurs in Japan (Musci) (Miscell. Bryol. et Lichen. 4, 1967, 125-126, 1 fig.).
- & A. J. Sharp: Some interesting mosses from the Philippines (J. Hattori Bot. Lab. 31, 1968, 50-54, 2 fig.). From Luzon and Negros; list; no new spec.
- & ----- : The bryogeographical relationships between Eastern Asia and North America. II (J. Hattori Bot. Lab. 31, 1968, 55-58, 1 fig.). On Ulota.
- Kitagawa, N.: A new species of Cololejeunea (Chondriolejeunea) from Malay Peninsula and Thailand (Hepat.) (Act. Phytotax. Geobot. 23, 1969, 184-188, 2 fig.).
- : Three remarkable species of Lejeuneaceae from Malay Peninsula and Thailand (Hepat.) (Act. Phytotax. Geobot. 23, 1969, 188).
- : Studies on the Hepaticae of Thailand. II. Cephalozia and Cephaloziella (J. Hattori Bot. Lab. 32, 1969, 290-306, 7 fig.). Keys for species of both genera.
- : A new species of Andrewsianthus from North-Borneo (Hepat.) (J. Hattori Bot. Lab. 32, 1969, 307-318, 4 fig.).
- Kuwahara, Y.: Studies of a recent collection of Metzgeriaceae in the Philippines (Hepat.) (J. Hattori Bot. Lab. 31, 1968, 159-175, 8 fig.).
- : Apertithallus, a new genus of Metzgeriaceae from the Philippines (Hepat.) (J. Hattori Bot. Lab. 31, 1968, 260-264, fig. a-p).

- : An addendum to the Himalayan Metzgeriaceae (Hepat.) (J.Hattori Bot.Lab. 32, 1969, 17-20, 2 fig.).
1 new species.
- Miller, H.A.: Herbera notes (Hepat.) (J.Hattori Bot.Lab. 31, 1968, 247-250, 1 fig.).
Species listed.
- : Bryophyta of Guam and Northern Micronesia (Micronesica 4, 1968, 49-83, 52 fig.).
Key to species.
- Mizutani, M.: Studies of little known Asiatic species of Hepaticae in the Stephani Herbarium. 4. Phaeolejeunea, a new genus of Lejeuneaceae (J.Hattori Bot.Lab. 31, 1968, 130-134, 2 fig.).
- : Ditto. 5. On some flagelliform species of Lepidozia (J.Hattori Bot.Lab. 31, 1968, 152-158, 3 fig.).
- : Ditto. 6. On some interesting tropical species of Lepidozia (J.Hattori Bot.Lab. 31, 1968, 176-188, 7 fig.).
- : Lejeuneaceae subfamily Ptychanthoideae from Sabah (North Borneo) (Hepat.) (J.Hattori Bot.Lab. 32, 1969, 129-139, 4 fig.).
Species listed.
- Noguchi, A.: The Scientific name for "Minogoke" (Musci) (Miscell.Bryol.et Lichen. 4, 1967, 126-128).
- : Musci Japonici. VIII. The genus Orthotrichum (J.Hattori Bot.Lab. 31, 1968, 113-129, 11 fig.).
- : Notulae Bryologicae. VIII. Status of some Asiatic mosses and description of a new species of Glyphomitrium (J.Hattori Bot.Lab. 31, 1968, 312-316, 2 fig.).
- : On some species of Forststroemia of the Far East (Musci) (Miscell.Bryol.et Lichen. 5, 1969, 28, 1 fig.).
- Ochi, H.: Two species of Bartramiaceae new to Japan (Musci) (Miscell.Bryol.et Lichen. 5, 1969, 18-19, 1 fig.).
- Pócs, T.: The genus Porella in Vietnam (Hepat.) (J.Hattori Bot.Lab. 31, 1968, 65-93, 15 fig.).
Key to species and varieties.
- : A short survey of the Bazzania of North Vietnam (Hepat.) (J.Hattori Bot.Lab. 32, 1969, 79-94, 7 fig., 1 tab.).

- Rosario, R.M.del: A noteworthy liverwort from the mountain province, Luzon Island, Philippines (Hepat.). (Philip. J.Sci. 95, 1966, 427-429, 1 fig.).
Ricciocarpus natans (L.) Corda first record.
- Schuster, R.M.: Studies on Hepaticae. 29-44. A miscellany of new taxa and new range extensions (Nova Hedwigia 15, 1968, 437-529).
- : Studies on Hepaticae. 45. On Iwatsukia Kitagawa (Bull.Nat.Sci.Mus.Tokyo 11, 1968, 309-317, 1 fig.). New genus with species from the New World and Indo-malesia; key to 3 species.
- : Studies on Hepaticae. 48. On Anomacaulis Schust. (Trans.Brit.Bryol.Soc. 5, 1969, 797-799). New generic status for a Papuan hepatic.
- & G.A.M.Scott: A study of the family Treubiaceae (Hepaticae; Metzgeriales) (J.Hattori Bot.Lab. 32, 1969, 219-268, 12 fig., 1 tab.). Key; survey; no map.
- Shin, T.: Mosses of the Ryukyu Islands. IV (Sci.Rep.Kagoshima Univ. 16, 1967, 109-119, 5 fig., 5 tab.). 17 Thuidaceae, 2 Funariaceae.
- Takaki, N.: Notes on the genus Brothera C.Muell. (Musci) (J. Hattori Bot.Lab. 31, 1968, 283-292, 4 fig.).
- Tixier, P.: Bryophytæ Indosinicae. Bryophytes récoltés par le R.P.L. Cadière à Ba-Na (Vietnam) (Rev.Bryol.et Lichén. 36, 1968, 292-296). 26 species listed.
- : Bryophytæ Neocaledonicae a M. Schmid lectæ (Rev. Bryol.et Lichén. 36, 1968, 297-299). Names listed.
- : De Sematophyllaceis. I. Essai de revision des Clastobryaceæ de Luzon (Musci) (J.Hattori Bot.Lab. 32, 1969, 21-34, 7 fig.). Key to 7 species.
- Udar, R.. & S.C.Srivastava: Fossombronia cristula Aust. - a taxon new to Indian flora (Musci) (Curr.Sci. 38, 1969, 348-350, 9 fig., 1 phot.).
- Zanten, B.O.van: Mosses of the Danish Noona Dan Expedition to the Philippines, Bismarck Archipelago and the British Solomon Islands (J.Hattori Bot.Lab. 31, 1968, 135-151).

d) Pteridophytes:

- Bierhorst, D.W.: On the Stromatopteridaceae (fam. nov.) and on the Psilotaceae (Phytomorphology 18, 1968, 232-268, 143 fig.). Endemic of New Caledonia; descr. of gametophyte and those of Psilotum and Tmesipteris. Raised to family rank.
- Bir, S.S.: Pteridophytic flora of Simla Hills. Introduction and general account (Nova Hedwigia 16, 1968, 439-447, pl. 169). Some critical notes.
- & K.Devi: Taxonomic revision of the Polypodiaceous genera of India. II. Phymatodes Presl (Bull.Bot.Surv. India 10, 1968, 196-217, 79 fig.). Key to 16 species.
- & C.K.Trikha: Taxonomic revision of the Polypodiaceous genera of India. I. Microsorium Link (Bull.Bot.Surv. India 10, 1968, 133-148, 47 fig.). Key to species.
- & P.Shukla: Pteridophytic flora of Simla Hills (North Western Himalayas). II. Families Aspleniaceae and Blechnaceae (Polypod.) (Nova Hedwigia 16, 1968, 469-482). Keys.
- Bobrov, A.: Species novae Osmundacearum (Novit.Syst.Plant. Vasc. 1968, 5-8). 4 new species, 1 from Hongkong, 2 from S.Africa, 1 from 'Jalisco'.
- Hirabayashi, H.: Chromosome numbers in Japanese species of Dryopteris. 3 (J.Jap.Bot. 44, 1969, 85-96, 3 fig., 1 tab., pl.9).
- : Intraspecific polyploidy in Leptorumohra miqueliana (Polypod.) (J.Jap.Bot. 44, 1969, 185-192, 3 fig., 4 tab.). Chromosome races.
- Holttum, R.E.: Typification of the generic names Gymnocarpium and Phegopteris (Polypod.) (Taxon 17, 1968, 529-530). The first by Polypodium robertianum, the second by P. phegopteris.
- : Studies in the family Thelypteridaceae. The genera Phegopteris, Pseudophegopteris, and Macrothelypteris (Polypod.) (Blumea 17, 1969, 5-32). Key to 3 genera: Phegopteris (3 spp.), Pseudophegopteris (20 spp.), Macrothelypteris (9 spp.); keys to spp.

- Holub, J.: Oreopteris, a new genus of the family Thelypteridaceae (Polypod.) (Folia Geobot. Phyto-tax. 4, 1969, 33-53, 2 fig.).
- Jarrett, F.M.: Discussion (Flora Solomons) (Phil. Trans. R. Soc. Lond. B 255, 1969, 617).
Ferns; uniformity and proportional poverty ascribed to extreme wetness.
- Launert, E.: A monographic survey of the genus Marsilea Linnaeus (Salvin.) (Senckenberg. Biol. 49, 1968, 273-315, illust.).
- Lellinger, D.B.: Notes on Ryukyu ferns (Amer. Fern J. 58, 1968, 155-158, 1 fig.).
Critical list of some species; some new (Hymenoph.; Polypod.).
- Loyal, D.S.: Two new species of Dryopteris Adanson from the Eastern Himalayas (Polypod.) (Nova Hedwigia 16, 1968, 465-468).
- Mital, P.L.: Ferns and fern allies of Rajasthan. III. Hitherto unrecorded species of Ophioglossum from Rajasthan (Ophiogl.) (Bull. Bot. Surv. India 10, 1968, 171-176, 13 fig., 1 tab.).
Key to 5 species.
- Morton, C.V.: The genera, subgenera, and sections of the Hymenophyllaceae (Contr. U.S. Nat. Herb. 38, 1968, 153-201).
A very important paper on Hymenoph. systematy; 6 genera are maintained, 4 of them very small in New Caledonia, New Zealand, Chile, and Antarctic. Trichomanes and Hymenophyllum subdivided in many ranks.
- Nayar, B.K. & P. Chandra: The fern genus Arachniodes Blume in India (Polypod.) (Bull. Bot. Surv. India 10, 1968, 234-236).
3 new combinations; one species also in Java.
- Nishida, M. & S. Kurita: Ophioglossum namegatae sp. nov., a new fern found in Toride, Ibaraki Prefecture (Ophiogl.) (J. Jap. Bot. 44, 1969, 247-254, 3 fig.).
- Panigrahi, G. & R.D. Dixit: Studies in the systematics of Indian Selaginella. I (Selag.) (Proc. Nat. Inst. Sci. India 34 B, 1968, 191-209) (not seen).
- & S.N. Patnaik: Studies in the family Polypodiaceae in Eastern India: distribution and ecology (J. Indian Bot. Soc. 47, 1968, 1-6).
Brief sketch.

Reed, C.F.: Index Thelypteridis (Polypod.) (Phytologia 17, 1968, 465-466).

Some corrections; also new combinations.

Tagawa, M. & K. Iwatsuki: New or interesting ferns from Thailand. 3-5 (Act. Phytotax. Geobot. 23, 1968, 110-116, 12 fig.; ibid. 23, 1969, 175-178, fig. 13-14; ibid. 24, 1969, 60-64).

Species listed; some new.

Tatuno, S. & M. Takei: Karyological studies in Hymenophyllaceae. I. Chromosomes of the genus Hymenophyllum and Mecodium in Japan (Bot. Mag. Tokyo 82, 1969, 121-129, 7 fig., 2 tab.).

e) Spermatophytes & General subjects:

Ali, S.I.: Senecio lautus complex in Australia (Comp.) (Austr. J. Bot. 17, 1969, 161-176, 3 fig., 2 tab.). Variability; key to 4 subspecies.

Ambasht, R.S.: Ecology of a river bank (Proc. Symp. Recent Adv. Trop. Ecol. Varanasi 2, 1968, 466-470, 1 fig., 2 tab.).

Anonymous: Keys to the Dictyledonous genera of Nepal. Part 1 (1967). Part 2 (1968).

Compiled at the Herbarium, Department of Medical Plants, Thapathali, Kathmandu, Nepal.

Anonymous: Flora of Rajanikunj (Bull. Dept. Med. Pl. Nepal, 1968) Composed at the Herbarium, Department of Medical Plants, Thapathali, Kathmandu, Nepal.

Anonymous: List of scientific and technical literature relating to Thailand (Thai National Document. Centre no 3, 1969, mimeogr. 95 pp., folio; Botany p. 18-21). Botany chapter split into general botany and systematic botany.

Ansari, M.Y.: A new species of Cerpegia Linn. from Western Ghats, Maharashtra (Asclep.) (Bull. Bot. Surv. India 10, 1968, 219-221, 10 fig.).

Ashton, D.H.: Botany of East Gippsland (R. Soc. Vict. Proc. n.s. 82, 1969, 69-76).

Vegetation and census of indigenous records.

Ashton, P.S.: Speciation among tropical forest trees: some deductions in the light of recent evidence (Biol. J. Linn. Soc. 1, 1969, 155-196, 14 fig.).

- Aston, H.I.: The genus Villarsia in Australia (Gent.) (Muel-leria 2, 1969, 1-63, 34 fig., 2 pl.).
Key to 12 species (some new). Distinction against Nymphoides (Limnanthemum) is given but left tentative, so that some N.Australian and Queensland species are not included pending future decision on generic limits.
- Aymonin, G.G.: Lethedon cordatoretusa, Thyméléacée inédite de la Nouvelle-Calédonie (Bull.Soc.Bot.Fr. 115, 1968, 101-103).
- Bakhuizen van den Brink, R.C.: Lawia, Dalzellia, Mnianthus, Terniola and Indotristicha (Podostem.) (Taxon 18, 1969, 598-599).
Nomenclatural survey. Only Dalzellia and Indotristicha are legitimate names.
- Balgooy, M.M.J.van: A study on the diversity of island floras (Blumea 17, 1969, 139-178, 5 fig., 1 tab.).
Surface size and richness of floras compared.
- Banerjee, R.N.: A new name for a Bornean plant (Aral.) (Bull. Bot.Surv. India 10, 1968, 221).
Schefflera hexaphylla R.N.Ban. (S.racemosa Merr. 1918, non (Wight) Harms 1894).
- Banerjee, S.P. & R.N.Banerjee: Materials for a flora of North Bihar. I. Champaran district (Bull.Bot.Surv.India 10, 1968, 183-189).
Name list only.
- Banerji, M.L.: Notes on some Nepal plants (Bull.Bot.Surv. India 10, 1968, 233-234).
Polygalaceae (Securidaca).
- Baranov, A.I.: The species of Corispermum in northeastern China. 1-2 (Chenopod.) (J.Jap.Bot. 44, 1969, 161-169, 2 fig.; 195-206, 2 fig.).
Key to 13 species; 16 species distinguished.
- Bates, D.M.: Notes on the cultivated Malvaceae. 2. Abelmoschus (Baileya 16, 1968, 99-113, 3 fig.).
Key to 3 species.
- Beard, J.S.: The vegetation of the Boorabbin and lake Johnston areas, Western Australia (Proc.Linn.Soc.N.S.W. 93, 1969, 239-268, 13 fig., 5 tab., pl.18-20).
2 vegetation maps of Western Australia.
---- : Endemism in the Western Australian flora at the species level (J.R.Soc.West Austr. 52, 1969, 18-20, 1 tab.).
Tabulated figures; 3611 out of 5802 are endemic.

- Benl, G.: A new species of Ptilotus from South Australia (Amaranth.) (Trans.R.Soc.S.Austr. 92, 1968, 33-36, 1 fig.).
- Bennet, S.S.R.: A note on the occurrence of white-flowered Boerhaavia diffusa Linn. (Nyctag.) (Sci.& Cult. 31, 1965, 489-490).
Colour variety; probably source of the drug punarnava.
- : A note on an abnormal leaf of Zornia diphylla Pers. (Legum.) (Sci.& Cult. 32, 1965, 89).
Occurrence of 3-foliolate leaves, the apical being small.
- : Genus Kallstroemia Scop. new to Indian flora (Zygoph.) (Indian For. 91, 1965, 281-283, 1 fig.).
Record of this adventive from tropical America.
- : Four Eriocaulon species, new records for Eastern India (Erioc.) (Sci.& Cult. 33, 1967, 121-122).
- Blake, S.T.: Taxonomic and nomenclatural studies in the Gramineae. 1 (Proc.R.Soc.Queensl. 80, 1969, 55-84, 1 fig.).
A number of important notes on identity, taxonomy and nomenclature of grasses, mainly from Australia and Malesia but also bearing on more widely distributed genera.
- Bocquet, G.: Revisio Physolychnidem (Silene sect. Physolychnis) (Caryoph.) (Phaner.Monogr. 1, 1969, 342 pp., 43 tab.).
Revision of sect.; 61 spp.; key; descr. in Latin, text in French. Several spp. in continental Asia from Afghanistan to China and Baikal.
- Bogner, J.: A new combination in Theriophonum Bl. (Arac.) (Bull.Bot.Surv.India 10, 1968, 244).
Earlier described under Panella Ramam. but this is now united with Theriophonum.
- Bor, N.L.: A new grass from New Guinea (Gram.) (Webbia 23, 1969, 585-587, 1 pl.).
Festuca crispato-pilosa n.sp. from 3500 m, allied to Javanese F.nubigena. Bor omitted to mention that Jansen had already in 1953 described this taxon as F.nubigena ssp.novoguineensis Jansen (Act.Bot.Neerl. 2, 1953, 370, fig.4). This is peculiar as Bor borrowed all material Jansen had named and provided with his drawings.

Botschantzev, V.P.: The genus Salsola; a concise history of its development and dispersal (Chenop.) (Bot.J., Bot. Soc.USSR 54, 1969, 989-1001, 2 fig.).

With English summary. A new system of the genus (114 spp.) in 7 sections; distribution map (but Malesia omitted!); palaeontology.

Braithwaite, A.F.: The cytology of some Hymenophyllaceae from the Solomon Islands (Brit.Fern Gaz. 10, 1969, 81-91, 3 fig., 1 pl., 1 tab.).

Breteler, F.J.: The Atlantic species of Rhizophora (Rhizoph.) (Act.Bot.Neerl. 18, 1969, 434-441, 2 fig.).

The intermediate position of *R.harrisonii* which shows also reduced pollen fertility points to hybrid nature between *R.mangle* and *R.racemosa*.

Bruggen, H.W.E.van: Revision of the genus Aponogeton. III. The species of Australia (Aponoget.) (Blumea 17, 1969, 121-137, 6 fig., 1 pl., 2 maps).

4 species distinguished, among which 3 new; a fifth African species is naturalized; key.

Brunig, E.F.: Some observations on the status of heath forests in Sarawak and Brunei (Proc.Symp.Recent Adv. Trop.Ecol.Varanasi 2, 1968, 451-457, 4 fig., 3 tab.).

*----- : Der Heidewald von Sarawak und Brunei (Mitt.Bundesforsch.f.Forst- u.Holzwirtschaft Reinbek bei Hamburg no 68, Sept.1968, 1-431, roneo, 28 Abb., 16 Tab., 14 Übersichten + Fig., Karten).

2 Volumes, mimeographed, in German. A preprint of a book which will be printed in English by the Sarawak Govt. Results of 1955-1963 work done on the kerangas (podsolsand) soils vegetation, called heath forest. It contains interesting data on climate, soil and vegetation, palynology, dynamics, floristical composition, and commercial value. The second volume contains the enumeration of species. The first volume contains many ecological data (leaf size, life forms, species density, regeneration, etc.). The closest allied vegetation type is the peat forest with which it shares the greatest percentage of species. In a way it is a relict type of forest, species dating back into the Tertiary.

----- : Forestry on tropical podzols and related soils (Trop.Ecol. 10, 1969, 45-58, 3 tab.).
Relating to Borneo conditions.

----- : On the seasonality of droughts in the lowlands of Sarawak (Borneo) (Erdkunde; Arch.f.wiss.Geogr. 23, 1969, 127-133).

Rainfall shows periodicity; author suggests that drought spells have a distinct influence, would affect ecology and leaf morphology and doubts whether Sarawak can be called everwet. - I cannot share his views and believe that he overestimates this influence. If any, the Sarawak climate must be called everwet, as is indubitably testified by its flora which lacks all drought species, including those which are bound to an even feeble seasonal climate. v.St.

Bunting, G.S. & J.A. Steyermark: A new American species of Schismatoglottis (Arac.) (Brittonia 21, 1969, 187-190, 2 fig.).

Key to 3 species (1 new).

*Burbidge, N.T.: Australian grasses. 2. Northern Tablelands of New South Wales (1968) 1-167, 14 fig., 66 pl. 66 species described.

Burgess, P.F.: An ecological study of the hill forests of the Malay Peninsula (Mal.For. 31, 1968, 314-325).

Regeneration of hill dipterocarp forest has failed and proposals are made for an ecological study to prescribe a new silvicultural system for satisfactory regeneration. Conditions are outlined.

Burtt, B.L.: Discussion (flora of Solomons) (Phil.Trans.R. Soc.Lond. B 255, 1969, 614-615).

Endemism; striking contrast with Fiji flora.

Cady, L.: Pterostylis, an illustrated check-list of the genus Pterostylis (Orchid.) (Austr.Plants 5, 1969, 60-91, 78 fig.).

List of 76 names and notes of interest.

----- : A new Pterostylis (Orchid.) (Austr.Plants 5, 1969, 138-140, 1 fig., 4 col.phot.).

Carlquist, S.: Studies in Styliaceae: new taxa, field observations, evolutionary tendencies (Aliso 7, 1969, 13-64, 119 fig.).

Various new spp.; studies on origin and relationships of genera; floral biology.

Chandrabose, M.: Notes on the occurrence of Indigofera hochstetteri Baker (Legum.) and Acalypha malabarica Muell.-Arg. (Euph.) in Madras State (Bull.Bot.Surv. India 10, 1968, 243-244).

- Chapman, V.J.: Conservation of maritime vegetation and the introduction of submerged freshwater aquatics (Micro-
nesica 3, 1967, 31-35, 2 fig.).
General; notes on introduced *Lagarosiphon* (Hydroch.).
- Cheng, Chow: Formosan orchids.
Concise popular descr. Edition of a commercial firm,
Chow Cheng Orchids, 194 Litch Str., Taichung, Formosa.
No date, many photogr., partly in colour.
- Chew, Wee-Lek: Nothocnide in Malesia (Urtic.) (Gard.Bull.
Sing. 24, 1969, 361-373, 2 fig.).
Incl. *Pseudopipturus* Skottsb.; 4 spp. keyed out; Malesia and Solomons. A fifth doubtful (*Mauritius*). Identification list.
- Clarke, L.D. & N.J. Hannon: The mangrove swamp and salt marsh communities of the Sydney district. II. The holocoenotic complex with particular reference to physiography (J.Ecol. 57, 1969, 213-234, 6 fig., 7 tab.).
- Coode, M.J.E.: Four new species of Terminalia L. from Melanesia (Combret.) (Kew Bull. 23, 1969, 299-310, 6 fig.).
- Cooper, R.C.: Flowering of taro, Colocasia esculenta (L.) Schott, in New Zealand (Arac.) (Rec.Auckl.Inst.& Mus. 6, 1969, 403-406, 6 fig.).
Male flow. black pollen; ripe fruits are not found.
- Corner, E.J.H.: Ficus (in the Solomons) (Morac.) (Phil.Trans. R.Soc.Lond. B 255, 1969, 567-570).
---- : The botany of Jaagi Island, Santa Isabel (Phil. Trans.R.Soc.Lond. B 255, 1969, 571-573).
An islet with pioneer vegetation of the beach forest, very close to the large island, in course of getting an inland flora. Plant list and discussion.
- : Mountainflora of Popomanaseu, Guadalcanal (Solomons) (Phil.Trans.R.Soc.Lond. B 255, 1969, 575-577). Notable absence of true mountainflora; no *Nothofagus*. Plant list.
- : Summary of the Discussion (Flora and fauna of Solomons) (Phil.Trans.R.Soc.Lond. B 255, 1969, 621-623). Conflict between zoologists and botanists on origin of island life.
- Cracknell, R.: 'Awa (Piper methysticum): stone age to space age (Piper.) (Newsletter Hawaiian Bot.Soc. 8, no 2, 1969, 1-4).
- Croizat, L.: The biogeography of India: a note on some of its fundamentals (Proc.Symp.Recent Adv.Trop.Ecol.Varanasi 2, 1968, 544-590, 15 fig.).

- Cruttwell, N.E.G.: The Rhododendrons of the High Daga (Eric.)
(The Rhododendron 8, 1969, 11-14).
Report of exploration trip.
- : A new Rhododendron (Eric.) (The Rhododendron; Austr.
Rhod.Soc. 8, no 2, 1969, 8-9, 1 fig.).
Descr. of an unnamed new species from Mt Wayat, Daga
country, Milne Bay District, Papua.
- *Curtis, W.M.: The endemic flora of Tasmania. Paintings by
Miss M. Stones. Part 2 (1969) 145 pp., pl. 39-78.
A continuation of this magnificent work.
- : New name in Epacris (Epacrid.) (Taxon 18, 1969, 244).
New name for E.squarrosa Hook.f. 1857, non Poir. 1812.
- Datta, N. & K. Mitra: Karyotype analysis of Chlorophytum tu-
berosum Baker and C. laxum R.Br. (Liliac.) (Bull.Bot.
Surv. India 10, 1968, 228, 4 fig.).
- Dawson, J.W.: New Zealand Umbelliferae. A leaf comparison of
Aciphylla and Anisotome (New Zeal.J.Bot. 6, 1968, 450-
458, 5 fig., 1 tab.).
Morpho-anatomical.
- & B.V. Sneddon: The New Zealand rain forest: a compari-
son with tropical rain forest (Pac.Sci. 23, 1969, 131-
147, 8 fig.).
Interesting account of structure and various ecologi-
cal features; their comparison with north temperate
and tropical forests. Suggests that New Zealand rain
forest has survived, with floristic reduction, from
similar forests in the Tertiary (Miocene).
- Deshpande, M.B. & G.L. Shah: A new species of Fuirena from
Gujarat, India (Cyper.) (Bull.Bot.Surv.India 10, 1968,
239-240, 4 fig.).
- Deva, S.: A critique on Duthie's flora of the Upper Gangetic
Plain (Bull.Bot.Surv.India 10, 1968, 177-182, 2 tab.).
Additions and delimitation of the area.
- Dey, A.C. & R.R. Fernandez: Hedges and hedge-plants in India
(Indian For.Leaf. no 189, Bot., 1968, 1-33, 2 pl.).
List of 97 spp., each annotated and given its propa-
gation.
- Dilmy, A.: Horticultural research throughout the World. In-
donesia (Chron.Hortic. 9, 1969, 41-44).
An account of Lembaga Biologi, with brief descr. of
its divisions and personnel.

Doing, H., E.F. Biddiscombe & S. Knedlhans: Ecology and distribution of the Carduus nutans group (nodding thistles) in Australia (Comp.) (Vegetatio 17, 1969, 313-351, 4 fig., 9 tab., 9 phot.).

Ecological study of this introduced species.

Dransfield, J. & T.C. Whitmore: Palm hunting in Malaya's National Park (Principes 13, 1969, 83-98, 16 fig.).
A lovely sketch of the riches of G. Tahan.

Drury, D.G.: A clarification of the generic limits of Olearia and Pleurophyllum (Astereae-Compositae) (New Zeal.J. Bot. 6, 1968, 459-466, 2 fig., 2 tab.).
Morpho-anatomical.

----- & J.M. Randal: A numerical study of the variation in the New Zealand Erechites Argutascaberula complex (Senecioneae-Compositae) (New Zeal.J. Bot. 7, 1969, 56-75, 6 fig., 3 tab.).

Edgar, E.: The New Zealand species of Leptocarpus (Restion.) (New Zeal.J. Bot. 6, 1968, 467-469).
New species of Leptocarpus.

Eiten, G.: Vegetation forms (Bolet. Inst. Bot. Sao Paulo no 4, 1968, 1-88).

A new scheme, principally based on that of Fosberg of providing names in a classification of vegetation stands, from desert to rain-forest, irrelevant of substratum. Merely reflecting height and degree of density.

Ekberg, L.: Studies in the genus Allium. II. A new subgenus and new sections from Asia (Liliac.) (Bot. Notis. 122, 1969, 57-68).

Discussion of sections and morphology of flowers;
Tibet.

Ellis, J.L.: The flora of Nallamalais on the eastern Ghats of India. I. A preliminary list (Bull. Bot. Surv. India 10, 1968, 149-160).

Introduction; vegetation; name list.

Farron, C.: Balanophora, genre nouveau pour l'Afrique continentale (Balanoph.) (Adansonia 9, 1969, 105-114, 2 fig.).

The Madagascan species B. hildebrandtii is found in Congo (W.Africa)! Distribution map of genus.

Flenley, J.R.: The vegetation of the Wabag region, New Guinea Highlands: a numerical study (J. Ecol. 57, 1969, 465-490, 8 fig., 4 tab.).

- Fosberg, F.R.: Observations on vegetation patterns and dynamics on Hawaiian and Galapageian volcanoes (Micronesica 3, 1967, 129-134).
General.
- : Studies in Pacific Rubiaceae. VI-VIII (Brittonia 20, 1968, 287-294, 1 fig.).
Hedyotis; Gouldia; Juan Fernandez Coprosma (1 new sp.).
- : Correction on Serianthes dilmyi Fosb. (Legum.) (Taxon 18, 1969, 351).
This correction does not change anything to prevent us from not accepting this combination. We perfectly agree with Dr. C.V.Morton (in litt.) that the unfortunate inclusion by Bentham of *Acacia myriadenia* Bert.ex Guill. in his formal description of *Serianthes grandiflora* made the latter name not superfluous, hence not illegitimate. *Acacia myriadenia* is, on careful reading of the text, a name not accepted by its author, hence not legitimate.
- & M.H.Sachet: Wake Island vegetation and flora, 1961-1963 (Atoll Res.Bull. 123, 1969, 1-15).
Short introduction and plant list.
- Franklin, D.A.: Biological flora of New Zealand. 3. Dacrydium cupressinum Lamb. (Podocarpaceae) Rimu (New Zeal.J. Bot. 6, 1968, 493-513, 2 fig., 1 tab.).
- Freezaillah bin Che Yeom: Afforestation research with quick-growing industrial tree species (in Malaya) (Mal.For. 32, 1969, 30-39, 1 fig.).
Survey of trials.
- Fukuoka, N.: Two new species of Hedyotis from Thailand (Rub.) (Act.Phytotax.Geobot. 24, 1969, 28-31, 2 fig.).
- Furtado, C.X.: A revision of Lagerstroemia L. (Lythrac.) (Gard.Bull.Sing. 24, 1969, 185-335, 56 fig., 3 maps). 12 new spp.; several new var.; 8 names reduced. Full keys to sect. and 53 spp.; no identification list.
- Geerinck, D.: Le genre Conostylis R.Br. (Haemodoraceae d'Australie) (Bull.Jard.Bot.Nat.Belg. 39, 1969, 167-177, 3 fig.).
Key to 7 sections; species listed; no novelties.
- Gillet, G.W.: The nomenclatural and taxonomic status of the Hawaiian shrub Scaevola gaudichaudii H.& A. (Gooden.) (Pac.Sci. 23, 1969, 125-128, 1 fig.).

Gillison, A.N.: Plant succession in an irregularly fired grassland area - Doma Peaks region, Papua (J.Ecol. 57, 1969, 415-428, 4 fig., 2 phot.).

Role of *Gleichenia* spp. specially stressed; well fire-tolerant and aggressive; dominant in subalpine grassland at 3350 m, except in Cyperaceous bogs. Relation of thickets and grassland is discussed.

Ginieis, Chr.: Étude anatomique de la plantule de Pandanus sp. (Pandan.) (Bull.de l'I.F.A.N. 31, 1969, 325-339, 3 pl.).

Gladkova, V.N.: On the systematic position of the genus Dichotomanthes Kurz (Rosac.) (Bot.J.; Bot.Soc.USSR 54, 1969, 431-436, 3 fig.).

Would be type of new subfamily of Rosaceae: Dichotomanthoideae. Pollen and chromosomes examined.

Good, R.: Some phytogeographical relationships of the Angiosperm flora of the British Solomon Islands Protectorate (Phil.Trans.R.Soc.Lond. B 255, 1969, 603-608). General analysis.

Gray, A.M.: Senecio (Comp.) (Austr.Plants 5, 1969, 103-104, 1 col.pl.).

----- : Tasmanian Eucalypts (Myrtac.) (Austr.Plants 5, 1969, 115-123, 12 fig.).
No key.

----- & B.R. Jackes: The genus Richea (Epacrid.) (Austr. Plants 5, 1969, 99-102, 111, 124-136, 10 fig., 2 pl.). Key to 10 species.

Green, J.W.: Taxonomic problems associated with continuous variation in Eucalyptus pauciflora (snow gum) (Myrt.) (Taxon 18, 1969, 269-276, 1 tab.).

Green, P.S.: Correa decumbens F.v.M. (Rutac.) (Curtis, Bot. Mag. n.s. 177, 1969, tab.538, 3 pp., 1 fig.). From South Australia.

----- : Solanum sturtianum (Solan.) (Curtis, Bot. Mag. n.s. 177, 1969, tab.543, 3 pp., 1 fig.). From Australia.

----- : Jasminum kedahense (Oleac.) (Curtis, Bot. Mag. n.s. 177, 1969, tab.547, 3 pp., 1 fig.). From Malaya.

----- : Studies in the genus Jasminum L. IV. The so-called New World species (Oleac.) (Kew Bull. 23, 1969, 273-276).

Jasminum true Old World genus; 2 records are Acanth.; 4 relate to *J.fluminense* Vell., an introduction.

- : Discussion (Flora of Solomons) (Phil.Trans.R.Soc. Lond. B 255, 1969, 616-617). Distribution Heliconia; different bedrocks in drier New Caledonia.
- Grushvitzky, I.V. & N.T. Skvortsova: Glummea Grushv. et N. Skvorts. A new subsection of the genus Schefflera Forst. et Forst.f. and its composition (Aral.) (Bot. J.USSR 54, 1969, 84-97, 7 fig.). New subsection contains 7 spp. (China 2, North Vietnam 5); 2 new species; key. In Russian.
- Gunn, C.R.: Abrus precatorius: a deadly gift (Legum.) (Garden Journ. (New York) 19, 1969, 2-5, 9 pict.).
- Gunn, R.H., c.s.: Lands of the Queanbeyan-Shoalhaven area, A.C.T. and N.S.W. (Land Research Series no. 24, 1969, 164 pp., 9 fig., 23 tab., maps).
- *Gupta, R.K.: Flora nainitalensis, a handbook on the flowering plants of Nainital. Navayug Traders, New Delhi (1968) xxix + 489 pp., 40 pl. Flora of a health resort in the Kumaon Himalayas. 869 plants listed; key to families, genera and species. Illustrations are poor. A useful book.
- Gupta, S. & G.W. Gillett: Observations on Hawaiian species of Wikstroemia (Angiospermae: Thymelaeaceae) (Pac.Sci. 23, 1969, 83-88, 2 fig., 2 tab.). Karyology of 13 species, 1 of which tetraploid. Hybridisation seems common.
- Gutierrez, H.G.: A revision of the genus Hopea Roxburgh of the Philippines (Dipter.) (Act.Manil. 4, 2, 1968, 3-86, Illust.).
- Hara, H.: Remarkable examples of speciation in Asiatic plants (Amer.J.Bot. 56, 1969, 732-737, 10 fig.). Comparison of Himalayan and Japanese ploid races, their associated characters, and proportion of originated differences, which are different from case to case.
- Hasegawa, K.M.: Cytotaxonomic notes on Cimicifuga foetida from Bhutan (Ranunc.) (J.Jap.Bot. 44, 1969, 76-84, 4 fig., 2 tab.). Tetraploid in Bhutan.
- : Cytotaxonomical notes on Thalictrum simplex var. brevipes of Japan (Ranunc.) (J.Jap.Bot. 44, 1969, 170-175, 2 fig., 1 tab.). 2 chromosome races.

*Hawkes, J.G. & J.P. Hjerting: The potatoes of Argentina, Brazil, Paraguay, and Uruguay. A biosystematic study (Solan.). Oxford Univ. Press (1969) xxii + 525 pp., 150 pl., 45 fig.

A very important revision based on a very long experience with breeding etc. Many reductions.

Hayes, A.B.: Observations on orchid seed Mycorrhizae (Mycopath. et Mycol. Appl. 38, 1969, 139-144, 1 scheme).

Heiser Jr, C.B., c.s.: The North American species of Sunflowers (Comp.) (Mem. Torr. Bot. Club 22, 1969, 1-218, 50 fig.).

50 species recognized; keys; descr.; the taxonomy is complicated by large degree of polymorphism, hybridisation, and polyploidy. True outcome of a biosystematic study.

----- & B. Pickersgill: Names for the cultivated Capsicum species (Solan.) (Taxon 18, 1969, 277-283, 2 fig., 1 tab.).

Hemadri, K.: A new Ceropegia Linn. from Western Ghats, Maharashtra (Asclep.) (Bull. Bot. Surv. India 10, 1968, 123-125).

*Hill, D.S.: Figs (Ficus spp.) of Hong Kong (Morac.). Hong Kong Univ. Press (1967) i-viii + 130 pp., 178 fig., 65 phot., 2 tab.

Part of a thesis of an entomologist submitted to the Univ. of Hong Kong. A study of 17 indigenous and 4 introduced species (incl. 6 only in the herbarium) to which a key is given (ident. by Prof. Corner). 65 spp. of chalcid wasps were found. Of the 21 fig species an accurate description is given of habitat, distribution and fig crop & leaf ecology. Fig wasps are tabulated. They are all completely host-specific, but of 3 fig species the Agaonidae could not be separated on morphological grounds. Many interesting notes on the ecology of Hong Kong figs and their dispersal. A nice booklet.

Hồ, Pham-Hoàng: Quelques Characées du Vietnam (Niên-San, Ann. Univ. Cantho 1, 1968, 83-102, 9 fig.). Keys.

----- : Notes sur quelques Angiospermes non encore signalées au Vietnam (Niên-San, Ann. Univ. Cantho 1, 1968, 121-130, 15 fig.).

- Hogeweg, P. & A.L.Brenkert (née van Riet): Structure of aquatic vegetation: a comparison of aquatic vegetation in India, The Netherlands and Czechoslovakia (Trop. Ecol. 10, 1969, 139-162, 6 fig., 1 tab.).
- Ecological-sociological following the complicated Segal-den Hartog nomenclature.
- Holdridge, L.R.: Classification and characterization of tropical forest vegetation (Proc. Symp. Recent Adv. Trop. Ecol. Varanasi 2, 1968, 502-507, 3 fig.).
- Hosokawa, T.: Life-form of vascular plants and the climatic conditions of the Micronesian islands (Micronesica 3, 1967, 19-30, 2 fig., 14 tab.).
- : Ecological studies of tropical epiphytes in forest ecosystem (Proc. Symp. Recent Adv. Trop. Ecol. Varanasi 2, 1968, 482-501, 5 fig., 10 tab.).
- Hou, Ding: Pollen of Sarawakodendron and some related genera, with notes on techniques (Celastr.) (Blumea 17, 1969, 97-120, 1 fig., 8 pl.).
A new simplified technique explained.
- Hu, Shiu-Ying: The Compositae of China. VII (Quart. J. Taiwan Mus. 21, 1968, 1-52).
- Hunt, P.F.: Proposal for the conservation of the generic name 1403a Peristylus Bl. vs. Glossula Lindl. (Orchid.) (Taxon 18, 1969, 339).
- : Camarotis rostrata (Roxb.) H.G.Rchb. (Orchid.) (Curtis, Bot. Mag. n.s. 177, 1969, tab. 537, 4 pp., 1 fig.).
From India to Thailand.
- : Orchids of the Solomon Islands (Phil. Trans. R. Soc. Lond. B 255, 1969, 581-587).
Discussion number, synonymy, and dispersal of species.
- Hutchinson, J.: Tribalism in the family Euphorbiaceae (Amer. J. Bot. 56, 1969, 738-758, 20 fig.).
A key to and description of the 40 tribes which Hutchinson distinguishes, preceded by a discussion on the history of the subdivision and suggestions on ancestors, phylogeny, and evaluation of characters. He finds these in Tiliaceae with 'more primitive families' but some parts seem to be related with Rhamnaceae (tribe Bridelieae); that with Sapindaceae, Simaroubaceae and Anacardiaceae is more improbable. Well-developed petals are a sure sign of antiquity. Buxaceae, Pandaceae (incl. Galearia) are excluded. Oreopanax n.g. monotypic from New Zealand.

Inamdar, J.A.: A preliminary survey of the flora of Dharampur forests in Gujarat (Bull.Bot.Surv.India 10, 1968, 126-132).

Mainly a name list.

Inman, N.: Notes on some poisonous plants of Guam (Micronesica 3, 1967, 55-66, 4 fig.).

Jacobs, M. & D.R.Mendoza: Opportunities and suggestions for botanical exploration work in the Sierra Madre Mountains, Luzon (Rijksherbarium Leiden, 1969, folio, stencilled, 1-14, 1 map).

A general account of explorations made; sketch of the landscape; some interesting finds. Possibilities for further exploration.

Jain, S.K.: Notes on Indian grasses. IX. The identity and distribution of certain taxa (Bull.Bot.Surv.India 10, 1968, 161-164, 6 fig.).

Miscellaneous critical notes.

----- : Notes on Indian grasses. X. Proliferation in Eragrostis P.Beauv. and Bromus L. (Bull.Bot.Surv.India 10, 1968, 229-230, 3 fig.).

----- : The vegetation and succession of plant communities in Kutch, Gujarat (Proc.Symp.Recent Adv.Trop.Ecol. Varanasi 2, 1968, 426-437, 10 fig.).

Jeffrey, C.: Cassinia vauvilliersii (Hombr.& Jacquinot Hook.f. (Curtis,Bot.Mag. n.s. 177, 1969, tab.549, 4 pp., 1 fig.).
From New Zealand.

----- : Discussion (Flora of Solomons) (Phil.Trans.R.Soc. Lond. B 255, 1969, 615).
Comparing Seychelles flora.

Johnson, L.A.S.: Rainbow's end: the quest for an optimal taxonomy (Proc.Linn.Soc.N.S.W. 93, 1968, 8-45).

Presidential address in which in great detail various approaches, especially numerical taxametrics are considered as to their value for plant taxonomy. Phenetic and phylogenetic systematics are scrutinized. Emphasized to be read by all taxonomists, because of the large amount of thought and the author's philosophy, which I share, is digested in this important essay.

Joseph, J. & R.S.Rao: Aneilema glanduliferum Joseph et Rclla Rao, a new species from Nefra (Commel.) (J.Indian Bot. Soc. 47, 1968, 367-370, 8 fig.).

Joshi, M.C. & M.B.L. Bansal: Physiographic, ecologic and floristic studies of certain areas in Jhunjhunu district, Rajasthan (Proc. Symp. Recent Adv. Trop. Ecol. Varanasi 2, 1968, 438-450, 2 fig., 4 tab.).

*Jurion, F. & J. Henry: Can primitive farming be modernised? (Publ. Inst. Nat. Etude Agron. Congo: INEAC, 1969, 5-426, 66 tab.).

Appendix by C. Sys with 1 fig. and 7 tab.

Kamemoto, H. & M. Tara: The relationship of Renanthera storiei and Trichoglottis fasciata (Orchid.) (Brittonia 21, 1969, 126-129, 5 fig., 4 tab.).
Karyotypes.

Kato, S.S.: The role of plants in the Kapu system of Hawaii (Newsletter Hawaiian Bot. Soc. 8, 1969, 1-6).

Plants forbidden for certain groups or under certain circumstances; magic; ethnobotanical.

Keng, Hsuan: Aspects of morphology of Amentotaxus formosana with a note on the taxonomic position of the genus (Conif.) (J. Arn. Arb. 50, 1969, 432-448, 6 fig., 2 pl.).
Also in Taiwan.

----- : Flora Malesianae Precursores XLVIII. A revision of Malesian Labiateae (Gard. Bull. Sing. 24, 1969, 13-180, 32 fig., 1 pl.).
Precursory revision with keys.

----- : Notes on the flowers of Orchidantha longiflora (Lowiac.) (Gard. Bull. Sing. 24, 1969, 347-349, 1 fig., 1 pl.).
Some notes on flowering.

----- & P.N. Avadhani: Lysimachia peduncularis on Pulau Langkawi (Primul.) (Mal. Nat. J. 22, 1969, 86-87).

Kimura, Y. & M. Yoshimura: Pharmacognostical study of vegetable drugs. Cardamom groups (8). On the Malabar Cardamoms (Zing.) (J. Jap. Bot. 43, 1968, 505-513, 4 fig., 1 tab.).

----- & ----- : On the identification of Cardamoms found in drug markets of Eastern Asia (contnd) (Zing.) (J. Jap. Bot. 44, 1969, 65-70, 2 fig., 1 tab.).
Raphe structures in Alpinias and key (in Japanese) for identifying the seed.

King, E.B.: The burning question (Victor. Natur. 86, 1969, 173-175, 3 phot.).

Remarks and experience on the novel method of removing by controlled fires, the fire staple (litter) in Eucalypt forests. Fauna changes and erosion increases.

King, R.M. & H. Robinson: A further note on chromosome numbers of Thailand Compositae (*Phytologia* 18, 1969, 340).

Correction: a pickled specimen for chromosome counting in *Eupatorium* appeared to be *Pluchea indica* (sic!).

Kitagawa, M.: Notulae fractae ob floram Asiae orientalis (25) (*J.Jap.Bot.* 44, 1969, 181-184).

Lunathyrium, *Potamogeton*, and *Betula* novelties from Manchuria.

----- : On the two kinds of Bupleurum (Umbell.) (*J.Jap.Bot.* 44, 1969, 193-194).

One new from Pakistan and a new form from Japan.

Kitamura, S.: Compositae of Southeast Asia and Himalayas. II (*Act.Phytotax.Geobot.* 23, 1968, 65-81).

Species listed.

----- : Ditto. III (*Act.Phytotax.Geobot.* 23, 1969, 129-152). List; also containing records from Siam, Laos, Japan, Vietnam, Malaya, Borneo, China, Formosa, the Pacific, etc.

----- : Ditto. IV (*Act.Phytotax.Geobot.* 24, 1969, 1-27).

Kochummen, K.M.: Fifty years of forest botany (in Malaya) (*Mal.For.* 32, 1969, 67-69).

*Koo, Wen-yah: Study of Chinese drugs. Taipei (1967) 415 pp., many fig. In Chinese, with brief English summary. A chemical and identification study of 400 samples of Chinese drugs obtained in Taiwan, not necessarily from plants growing in Taiwan. Examined for their use, and compounds: alkaloids, hemolytic saponins, and indole compounds. Each species with a small illustration of the plant and of the drug.

Koyama, H.: Taxonomic studies on the tribe Senecioneae of Eastern Asia. II-III (*Comp.*) (*Mem.Fac.Sci.Kyoto Univ. Biol.ser.* 2, 1968, 19-60, 5 fig.; *ibid.* 2, 1969, 137-183, 8 maps, 1 pl.).

Concise; keys to species and genera; also chromosome numbers.

Křísa, B.: Neue asiatische Arten der Sektion Pyrola (*Eric.*) (*Bot.Jahrb.* 89, 1969, 64-77, 4 Abb.).

Key, descr. and maps of Pyrolas; 2 new species.

----- : Pyrola californica Křísa - a new amphi-Pacific species of Japan (*Eric.*) (*J.Jap.Bot.* 44, 1969, 129-136, 3 fig.).

- Kubitzki,K.: Monographie der Hernandiaceen. I-II (Bot.Jahrb. 89, 1969, 78-148, 34 Abb.; 149-209, 17 Abb.).
Monography; keys; morphology; chemotaxonomy.
- Lakshmanan,N.K.: The forest types of the Nilgiris and its ecological problems (Proc.Symp.Recent Adv.Trop.Ecol.Varanasi 2, 1968, 407-418).
- Latif,S.M.: Two orchids of Indonesia (Amer.Orchid Soc.Bull. 35, 1966, 907-909, 2 fig.).
Information on *Grammatophyllum speciosum* and *Bulbophyllum beccarii*.
- Laubenfels,D.J.de: A revision of the Malesian and Pacific rainforest conifers. I. Podocarpaceae (J.Arnb.Ar. 50, 1969, 274-369, 18 fig., several maps).
Key to genera and sections; spp. of *Phyllocladus* (1), *Dacrydium* (16, 5 new), and *Falcatifolium* gen.nov. (4), the latter to accommodate *Dacrydium falcoiforme*, *D. taxoides*, *D.papuanum* (n.sp. from New Guinea), and *Falcatifolium angustum* (n.sp. from Borneo). *Dacrydium* reinstated as a genus; *Decussocarpus* gen.nov.; Acmopyle; keys, descr.; some n.spp. and many comb.
- Leenhouts,P.W.: Florae Malesiana Praecursores L. A revision of Lepisanthes (Sapind.) (Blumea 17, 1969, 33-91, 2 fig.).
Erioglossum, Aphania, Otophora, Hebecoccus, Aphano-coccus, Thraulococcus, and Manongarivea merged into *Lepisanthes* sens.lat. Also a heavy reduction in species. Keys to sections and species. Several new comb.
- Legris,P.: Study of bioclimate of India (Trop.Ecol. 10, 1969, 16-20).
- & F.Blasco: Variabilité des facteurs de climat: cas des montagnes du sud de l'Inde en de Ceylan (Inst.Fr. Pondichéry Trav.Sect.Sc.& Techn. 8, 1969, no 1, 95 pp., numerous maps, graphs, statistics, 16 phot.).
Summary in English. An interesting detailed study of climatic influence in tropical mountains; climatic variability is considerable; Patanas of Ceylon are certainly not caused by the climate.
- & V.M.Meher-Homji: Floristic elements in the vegetation of India (Proc.Symp.Recent Adv.Trop.Ecol.Varanasi 2, 1968, 536-543, 3 fig.).
- Linczevski,I.: Tentamentum systematis ordinis Plumbaginalium Lindl. (Nov.Syst.Pl.Vasc. 1968, 171-177).
Plumbaginales divided into *Plumbaginaceae*, *Aegialiti-daceae*, and *Limoniaceae*; *Statice* & *Pterolimon* raised to a new genus *Bakerolimon* (South America).

Lipschitz, S.: Revisio critica specierum sectionis Taraxaci-foliae Lipsch. generis Saussurea DC. (Comp.) (Nov. Syst. Pl. Vasc. 1968, 194-229).

New section and series; key to 38 spp.; new spp. from Himalaya.

Lothian, T.R.N.: Fringed violets (Liliac.) (Austr. Plants 5, 1969, 52-53, 1 col.phot.).

List of 5 species.

Lowry, J.B.: Distribution of two varieties of Leptospermum recurvum Hook.f. on Mount Kinabalu (Myrtac.) (Mal. Nat. J. 22, 1969, 75-80, 2 fig., pl. 16a-16b).

MacNae, W.: A general account of the fauna and flora of mangrove swamps and forests in the Indo-West Pacific region (Adv. Marine Biol. 6, 1968, 73-270, 76 fig.). A general survey, partly from literature, partly from author's own experience. Transects and vegetation. There are some doubtful statements, e.g. p.96 that Terminalia catappa, Thespesia populnea and Pandanus tectorius occur in the 'ecotone' of the mangal: they are true Barringtonia formation plants, but beach ridges may occur in the mangrove. Occurrence of Sonneratia griffithii is copied from Watson, but the latter muddled with the names of the species (his alba = ovata and his griffithii = caseolaris). p.82 all Sunda rivers possess a bar just as the Indian ones; the sustain of Davis's upside down argumentation about mangroves to increase coasts is not adhered.

McVean, D.N.: Alpine vegetation of the central snowy mountains of New South Wales (J. Ecol. 57, 1969, 67-86, 1 tab.).

Mall, L.P.: Ecology of Daulatpur and Kalakund Forest of Madhya Pradesh (Proc. Symp. Recent Adv. Trop. Ecol. Varanasi 2, 1968, 398-406, 2 fig., 4 tab.).

Manalo, G.D.: Philippine medicinal plants. III. Alkaloids of Alstonia macrophylla Wall. (contd) (Apoc.) (Nat. Appl. Sc. Bull. Philip. 20, 1967, 225-235).

Manitz, H.: August Wilhelm Dennstedt's Schlüssel zum Hortus Indicus Malabaricus (Taxon 17, 1968, 496-501, 2 tab.). Rather extensive survey; validly published names are listed, as well as the nomina.

Meikle, R.D.: Gentiana olivieri Griseb. (Gent.) (Curtis, Bot. Mag. n.s. 177, 1969, tab. 533, 4 pp., 1 fig.). From Syria to Central Asia.

- Melville, R.: Eucalyptus urnigera Hook.f. (Myrtac.) (Curtis, Bot. Mag. n.s. 177, 1969, tab. 536, 3 pp., 1 fig.). From Tasmania.
- : Alectryon excelsus Gaertn. (Sapind.) (Curtis, Bot. Mag. n.s. 177, 1969, tab. 542, 3 pp., 1 fig.). From New Zealand.
- : Discussion (Flora of Solomons) (Phil. Trans. R. Soc. Lond. B 255, 1969, 617-620). Convection theory of the Mantle of the Earth, with attached theory on genesis of plant geography of the continents.
- , P.S. Green & H.K. Airy Shaw: Notes on Melanesian plants. I (Kew Bull. 23, 1969, 337-346, 1 fig.). New species or comb. and records in Terminalia, Diospyros, Austrobuxus (Longetia), Cloezia, Jasminum, Taeniophyllum, Elatostema, Maoutia, and Melicytus.
- Meniado, J.G.: Wood anatomy of "Philippine mahogany" and their identification (Dipter.) (For. Leav. 17, 1966, 49-56, 5 fig., 2 tab.). 9 species of Dipter. (Shorea, Pentacme, Parashorea).
- Menon, K.D.: A brief history of forest research in Malaya. I. Historical development. II. Outline of branches/sections (Mal. For. 32, 1969, 3-29, 5 phot.).
- Metcalfe, C.R.: Anatomy as an aid to classifying the Cyperaceae (Amer. J. Bot. 56, 1969, 782-790, 1 fig.). Preliminary report on a treatment in a future vol. 5 of Anatomy of Monocots. Mention of most important characters, silica in epidermis, cross-section of leaf, etc. Great difference with grasses, Juncaceae being closer, in which silica bodies are however absent. Internal rearrangement suggested within tribes. Peculiarly there is no mention of the primitiveness of Hypolytreae as derived from the floral structures suggested by the famous cyperologist J.H. Kern.
- Meijer, W.: The study of seedlings of Bornean trees (Bot. News Bull. Herb. Sandakan 10, 1968, 112, several fig.).
- Mizushima, M.: On the flower of Disanthus cercidifolius Maxim. (Hamam.) (J. Jap. Bot. 43, 1968, 522-523, 1 fig.). Ecology; flower biology.
- Mok, S.T.: Growing trees for the future (in Malaya) (Mal. For. 32, 1969, 40-60, 3 tab.).

Moldenke, H.N.: Five novelties in the Verbenaceae (*Phytologia* 18, 1969, 70-72).

I.a. *Gmelina salomonensis* var. *elliptica* nov.var.

----- : Six additional Verbenaceous novelties (*Phytologia* 18, 1969, 209-211).

Contains a new forma of *Gmelina philippensis*.

----- : Three new subspecific taxa in Petrea, Premna, and Vitex (Verben.) (*Phytologia* 18, 1969, 421).

Including new var. from China.

----- : Additional notes on the Eriocaulaceae. XVI-XXIII (*Phytologia* 17, 1968, 473-506; *ibid.* 18, 1968, 44-62; *ibid.* 18, 1969, 72-112, 163-189, 241-280, 295-328, 344-396, 422-451).

Monsalud, M.R., A.L.Tongacan, F.R.Lopez & M.Q.Lagrimas: Edible wild plants in Philippine forests (*Philip.J. Sci.* 95, 1966, 431-561).
367 species tabulated and annotated.

Moore Jr, H.E.: Satakentia - a new genus of Palmae-Arecoideae (*Principes* 13, 1969, 3-12, 10 fig.).
From the Ryukyu Islands.

----- : New palms from the Pacific. II (*Principes* 13, 1969, 67-76, 8 fig.).

Burretiockentia hapala n.sp. from New Caledonia; 2 new *Clinostigma* spp. and 1 new *Drymophloeus* sp. from the Solomons; key to 4 spp. of the latter genus.

----- : Ditto. III (*Principes* 13, 1969, 99-108, 2 fig.).

Several new species. *Ptychandra* is reduced to *Heterospatha* and also the reduction of *Barkerwebbia* to *Heterospatha* is agreed. Several transfers.

----- : A preliminary analysis of the palm flora of the Solomon Islands (*Phil.Trans.R.Soc.Lond. B* 255, 1969, 589-593).

Species listed systematically. Note by Corner added on *Pelagodoxa henryana* introduced from Marquesas.

Moore, L.B.: Further note on Thismia rodwayi (Burmann.) (*Tuitarata* 16 (1968) 161).

Precise localities.

----- : Taxonomic notes on New Zealand Monocotyledons (*New Zeal.J.Bot.* 6, 1968, 473-492, 3 fig., 1 tab.).

New species in orchids: *Microtis* (1), *Thelymitra* (3), *Pterostylis* (3), and a variety in *Xeronema* (Liliac.).

- : Sprengelia incarnata Sm.: an Australian plant in Fiordland (Epacrid.) (New Zeal.J.Bot. 7, 1969, 96-99, 1 fig.). Whether native in New Zealand remains doubtful.
- Mueller-Dombois, D. & V.J.Krajina: Comparison of east-flank vegetations on Mauna Loa and Mauna Kea, Hawaii (Proc. Symp.Recent Adv.Trop.Ecol.Varanasi 2, 1968, 508-520, 3 fig.).
- Muktar, M.R.H.: Conservation and importance of Malaysian forests (Mal.Nat.J. 22, 1969, 90-93).
- Murata, G.: Taxonomical notes 9 (Act.Phytotax.Geobot. 24, 1969, 32-34). Vitaceae from the Far East.
- Murray, E.: Acer caesium Brandis subsp. Giraldii (Pax) (Acer.) (Kalmia 1, 1969, 1-4). Contains note and descr. of Acer laurinum Hassk. Suggests A.garrettii Craib to be a Thai-Burmese sub-species.
- Nair, N.C.: Contribution to the floral morphology and embryology of two species of Leea with a discussion on the taxonomic position of the genus (Vitac.) (J. Indian Bot.Soc. 47, 1968, 193-205, 34 fig.). Distinctly close to Vitaceae.
- Nair, R.V.: A new record for Ammania auriculata Willd. (A. senegalensis Lamk.) from South India (Lythr.) (Bull. Bot.Surv.India 10, 1968, 238-239, 17 fig.).
- Namba, T. & T.Tani: Pharmacognostical studies on the Tibetan herbal medicines (3). On "Sagdik" (J.Jap.Bot. 43, 1968, 514-521, 2 fig., 1 tab.). Morpho-anatomical of Halenia (Gent.).
- Naruhashi, N.: Two new varieties of Potentilla (Rosac.) (Act. Phytotax.Geobot. 23, 1968, 95-99, 4 fig.).
- Nayar, M.P.: Three new species and notes on the genus Driesenia Korth. (in Borneo) (Melast.) (Bull.Bot.Surv. India 10, 1968, 190-195, 2 fig., 1 pl.). Several new species, all from Borneo.
- : Notes on the genus Sproxeria W.W.Smith and a new record for Vietnam (Melast.) (Bull.Bot.Surv.India 10, 1968, 241-243, 1 fig.).
- : The status of the genus Catanthera F.v.Muell. (Melast.) (Gard.Bull.Sing. 24, 1969, 351-354). Hederella and Phyllapophysis reduced to Catanthera and 11 new combinations under the latter genus.

Nguyen van Thuan(g): Campanulaceae (Fl.Camb., Laos et Vietn. fasc.9, 1969, 3-55, 4 pl.).

Nicolson,D.H.: A revision of the genus Aglaonema (Arac.) (Smithson.Contr.Bot. 1, 1969, 1-69, 23 fig., partly maps).

A full, excellent revision, with important observations or discussions on various wider subjects (subdivision of Arac., especially subfam. Philodendroideae; evaluation of characters in Arac.; chromosomes). Of Aglaonema the microsporogenesis, morphology, precede the systematic treatment with full keys and descr. More than 1500 coll. studied; supplemented by field studies; Aglaodorum is kept generically distinct. One new sect. Chamaecaulon; of the 76 binomials only 21 are recognized; no new species.

Nishimoto,S.K.: Plants used as fish poisons in the Pacific (Newsletter Hawaiian Bot.Soc. 8, no 3, 1969, 20-23). Various plants used; mostly Barringtonia, also Tephrosia and Piper methysticum.

Nordenskiöld,H.: The genus Luzula in Australia (Juncac.) (Bot.Notis. 122, 1969, 69-89, 5 fig., 2 tab.). Revision; 5 spp.; key; 1 new sp. and some new var.

Nowicke,J.W.: Palynotaxonomic study of the Phytolaccaceae (Ann.Mo.Bot.Gard. 55, 1968, 294-364, 8 fig.). A concise complete revision; with keys and synonymy.

Ohashi,H.: A note on Arisaema monophyllum var. akitense (Arac.) (J.Jap.Bot. 39, 1964, 19-23, 3 fig.). One new variety in Japan.

Ohwi,J.: New Glumales from Thailand (Act.Phytotax.Geobot. 23, 1968, 109). New Cobresia and a variety of Setaria pallidefusca.

----- & H.Ohashi: Adzuki beans of Asia (Legum.) (J.Jap.Bot. 44, 1969, 29-31). Phaseolus reduced to Vigna; many new combinations.

Panigrahi,G. & T.Rajagopal: Studies in the flora of Allahabad. VI. The family Gramineae. 3. Group: Pooideae (J.Indian Bot.Soc. 47, 1968, 219-246, 80 fig.). Keys.

Pathak,P.S.: Biological control of Tribulus terrestris by an insect of Hemiptera (Zygoph.) (Proc.Symp.Recent Adv.Trop.Ecol.Varanasi 2, 1968, 697-701, 2 fig., 2 tab.).

Phengkhrai,C.: A new species of Diospyros L. from Thailand (Eben.) (Kew Bull. 23, 1969, 267-268).

- Philipson, W.R.: The abaxial stipules of Plagianthus divaricatus J.R. & G. Forst. (Malvac.) (New Zeal.J.Bot. 6, 1968, 518-519).
- Pollard, J.F.: Sibuga Forest Reserve, Sabah (Mal.For. 31, 1968, 365-379).
113 acres NW of Sandakan, at mile 8. Largely an arboretum; the initials of which were started in 1952. List of trees cultivated attached.
- *Pope, W.T.: Manual of wayside plants of Hawaii - including illustrations, descriptions, habits, uses and methods of control of such plants as have a wild nature of growth, exclusive of ferns. Charles E. Tuttle Comp., Rutland, Vermont 05701 & Tokyo, Japan (1968) 289 pp., illus.
160 weeds described and illustrated, mostly adventive. Second edition of a work first published in 1929.
- Pijl, L.van der: Evolutionary action of tropical animals on the reproduction of plants (Biol.J.Linn.Soc. 1, 1969, 85-96).
- Quraishi, M.A. & S.A.Khan: Flora of Peshawar District and Khyber Agency. II (Pak.J.Forest. 17, 1967, 203-254, 29 fig.).
Papav.-Bixac., Polygal., Frank., Tamaric.
- Rajagopal, T. & G.Panigrahi: The correct name for Euphorbia microphylla Heyne ex Roth (1821) non Lamk (1788) and a new variety (Euph.) (Taxon 17, 1968, 547).
E.orbiculata H.B.K. (syn. E.orbiculata Miq.); new var. from India.
- Ramayya, N. & T.Rajagopal: Chenopodium pumilio R.Br. - An addition to the Indian flora with an enlarged key to the South Indian species of the genus (Chenop.) (Curr. Sci. 38, 1969, 173-175, 13 fig.).
Introduced from Australia.
- Rao, A.S. & J.Joseph: Pennilabium proboscideum A.S.Rao & Joseph - A new orchid species from K. & J.Hills, Assam, with incidental first record of the genus for India (Bull.Bot.Surv.India 10, 1968, 231-233, 5 fig.).
- Rao, C.C.: Biological spectrum of Karamnasa Watershed Flora (Varanasi, India) (Proc.Symp.Recent Adv.Trop.Ecol. Varanasi 2, 1968, 458-465, 2 tab.).
- Rao, R.S. & U.R.Deshpande: Helichrysum cutchicum (C.B.Cl.) R.Rao et Desh. - an interesting species from Western India (Comp.) (Bull.Bot.Surv.India 10, 1968, 225-227, 11 fig.).

Raynal,A.: Révision du genre Enicostema Blume (Gent.) (Adansonia 9, 1969, 57-85, 10 pl.).

3 species; *E.verticillata* must be called *E.axillare* (Lamk) A.Raynal; the latter has 3 subspecies. Distribution map of genus.

Richards,P.W.: Speciation in the tropical rain forest and the concept of the niche (Biol.J.Linn.Soc. 1, 1969, 149-153).

Ridsdale,C.E.: Botanical results of the New Guinea border demarcation expedition, 1967 (Papua & New Guinea Sci. Soc.Trans. 9, 1968, 22 pp., 6 fig.).

Instructive concise account of savannah and rain-forest types in various places. Some maps of areas, a soil profile and 2 forest profiles. Concluded by a list of species with NGF numbers.

Robbins,R.G.: The biogeography of tropical rainforest in S.E.Asia (Proc.Symp.Recent Adv.Trop.Ecol.Varanasi 2, 1968, 521-535, 8 fig.).

Rojo,J.P.: Terminalia macrantha, a new Philippine species (Combret.) (Blumea 17, 1969, 93-95, 1 fig.). Unfortunately only known in flower.

*Rotar,P.R.: Grasses of Hawaii (1968) i-ix + 1-355 pp., 141 fig., 3 tab.

A full treatment of the genera but no keys to species. The latter only enumerated as name lists.

Royen,P.van: The genus Rubus in New Guinea (Rosac.) (Sertulum papuanum XV; Phan.Mon. 2, 1969, 121 pp., 30 fig., 4 pl.).

Ruxton,B.P., P.Bleeker, B.J.Leach, J.R.McAlpine, K.Paijmans & R.Pullen: Lands of the Kerema-Vailala area, Territory of Papua and New Guinea (Land Res.Series no 23, C.S.I.R.O., Melbourne, 1969, 1-158, 14 fig., 15 tab., 11 pl.).

Contains description of many vegetation types.

Sachet,M.H.: List of vascular flora of Rangiroa, Tuamotu Arch. (Atoll Res.Bull. 125, 1969, 28-44, many fig.). Succinct sketch of vegetation; plant list.

St.John,H.: Revision of the genus Pandanus Stickman. Part 33. Further accounts of Australian species, and a key to the section Microstigma (Pac.Sci. 23, 1969, 89-114, fig.280-294).

11 new species described.

----- : Ditto. Part 34. Four species from the Philippines (Pac.Sci. 23, 1969, 355-366, 5 fig.).

- : Hawaiian plant studies 29. Monograph of the genus Brighamia (Lobel.) (Bot.J.Linn.Soc. 62, 1969, 187-204, 7 fig., 2 pl.).
3 species.
- : Hawaiian plant studies 30. Hawaiian novelties in the genus Solanum (Solan.) (Pac.Sci. 23, 1969, 350-354, 2 fig.).
2 new species.
- *Salmon, J.T.: New Zealand flowers and plants in colour. Reed, Wellington, Auckland, New Zealand, ed. 2 (1967) 235 pp., 630 col.phot.
Another marvellously illustrated book on the New Zealand flora, legends popular.
- *----- : Field guide to the alpine plants of New Zealand. Reed, Wellington, Auckland, New Zealand (1968) 327 pp., 447 col.phot. Printed in Japan.
A most beautiful small octavo book intended to be taken into the field, with marvellous photographs. Each provided with a semi-popular description and ecological notes.
- Sands, M.J.S.: Rhododendron balfourianum Diels var.aganniphoides Tagg & Forrest (Eric.) (Curtis,Bot.Mag. n.s. 177, 1969, tab.531, 4 pp., 1 fig.).
From China.
- : Rhododendron burmanicum hybrid (Eric.) (Curtis,Bot. Mag. n.s. 177, 1969, tab.546, 4 pp., 1 fig.).
Unknown origin.
- Sastrapradja, S.: Chromosome study of Hawaiian Peperomia species (Piper.) (Ann.Bogor. 4, 1968, 245-251, 5 fig., 2 tab.).
 $n = 22, 24, 44, 48$; 18 species investigated.
- Sastray, A.R.K.: Burkilliodendron - A new generic name in Fabaceae (Bull.Bot.Surv.India 10, 1968, 243).
For Burkillia Ridl. 1925, non West & West 1907.
- Schenkel, R. & L.Schenkel-Hulliger: The Javan Rhinoceros (Rh. sundaiicus Desm.) in Udjung Kulon Nature Reserve (SW. Java), its ecology and behaviour. Field study 1967/68 (Act.Trop. 26, 1969, 97-135, 9 tab., 9 fig., mostly phot.).
An interesting study, showing that the entire population is not more than 20-30 specimens judging from age classes to reproduce adequately. In table 2 (pp. 109-111) there is a list of food plants of 95 spp., mostly shrubs and trees, their seedlings being favoured.

Schilling, A.D.: The Langtang Valley of Nepal (J.R.Hort.Soc. 94, 1969, 222-232, 9 col.phot.).

Report of tour with occasional mention of plants encountered.

Schnell, R., G.Cusset, V.Tchinaye & Tô Ngoc Anh: Contribution à l'étude des "Acarodomaties". La question des aisselles de nervures (Rev.Gén.Bot. no 884, 1968, 5-64, fig.)
A large important treatise.

Schodde, R.: Further taxonomic notes on the species of Millotia Cassini (Aster.) (Trans.R.Soc.S.Austr. 92, 1968, 27-31, 1 fig.).

4 species (one new); one accumulates copper.

Schweinfurth, U.: Über klimatische Trockentaler im Himalaya (Erdkunde 10, 1956, 297-302, 2 Abb.).

----- : The distribution of vegetation in the Tsangpo gorge (The Oriental Geographer 1, 1957, 59-73, 1 fig.).

----- : Über kartographische Darstellungen der Vegetation des Himalayas (Erdkunde 12, 195., 120-125).

----- : Die Muttonbird Islands (off Steward I., New Zealand) (Erdkunde 15, 19.., 110-121, 2 Kart., 6 Abb.).

----- : Mt. Egmont - Taranaki. Zugleich ein Beitrag zum Studium der vertikalen Anordnung der Vegetation in Neuseeland (Erdkunde 16, 19.., 34-48, 5 Abb., 9 Bild.).

----- : Das Pflanzenkleid der Insel Tasmanien (Natur u. Mus. 96 (5), Frankf.a.M., 1966, 165-175, 10 Abb.).

----- : Die Teelandschaft im Hochland der Insel Ceylon als Beispiel für den Landschaftswandel (Heidelb.Stud.z. Kulturgeogr.; Heidelb.Geogr.Arbeiten Heft 15, Wiesbaden, 1966, 297-310, 2 Fig., 7 Abb.).

----- : Vegetation of the Himalayas (Süd-Asien Inst.Heidelb. no 60, 1968, 28 pp., fig.).

Sealy, J.R.: Crinum amoenum Roxb. (Amaryll.) (Curtis,Bot.Mag. n.s. 177, 1969, tab.528, 4 pp.).
Indian species, along river banks.

Seidenfaden, G.: Notes on the genus Ione (Orchid.) (Bot.Tidskr. 64, 1969, 205-238, 17 fig.).

Revision of 22 spp. (4 new); mountains from Nepal to Taiwan above 1000 m; 1 in Peninsular Thailand; subdivision of the genus.

Shaw, D.E.: A lightning strike of coconuts in New Guinea (Pap.& New Guinea Agric.J. 19, 1968, 147-150, 1 fig.).
Maps of trees struck and their fate.

- Shaw, H.K. Airy: Two new species of Gonostylus Teijsm. & Binnend. from Sarawak (Thymel.) (Kew Bull. 23, 1969, 269-272).
- : New or noteworthy Asiatic species of Antidesma L. from Indo-Malesia (Euph.) (Kew Bull. 23, 1969, 277-290).
Genus relegated to Stilaginaceae.
- : An overlooked Chinese Nyssa (Nyssac.) (Kew Bull. 23, 1969, 311-312).
Based on Alangium sheweliense W.W.Sm. It was not overlooked. Bloembergen, in his monograph of Alangium (Bull.Jard.Bot.Btzg III, 16, 1939, 224) put this in the synonymy of Nyssa sinensis, from which it only differs in degree of hairiness. This is in N.javanica also very variable as shown by the description of Wasscher (1935). The new comb. seems unnecessary.
- Shetty, B.V. & K. Vivekananthan: A new variety of Leucas vestita Benth. (Lab.) (Bull.Bot.Surv.India 10, 1968, 236-237, 12 fig.).
- Shetty, M.S.: Germination behaviour of the seeds of Biophytum sensitivum (L.) DC. (Oxal.) (Proc.Symp.Recent Adv. Trop.Ecol.Varanasi 2, 1968, 213-224, 2 fig., 13 tab.).
- Shimizu, T.: Some new species from Thailand (Act.Phytotax. Geobot. 24, 1969, 35-42, 11 fig.).
Novelties of Impatiens, Parnassia, and Thalictrum, of Balsam., Saxifr., and Ranunc. respectively.
- : Classification and geography of Impatiens in Thailand and the Malay Peninsula (Balsam.) (Act.Phytotax. Geobot. 24, 1969, 43-51, 2 fig., 3 tab.).
- Shore, B.F.: Dioecism in New Zealand Escalloniaceae (New Zeal.J.Bot. 7, 1969, 113-124, 5 fig., 5 tab.).
Carpodetus gynodioecious or functionally so in Quintinia. Ixerba is hermaphrodite.
- Simonovicz, L.: Genera Adonis L. species duae novae e Mongolia et China (Ranunc.) (Nov.Syst.Pl.Vasc. 1968, 124-129).
- Sinclair, J.: Florae Malesiana Precursores XLII: The genus Myristica in Malesia and outside Malesia (Myrist.) (Gard.Bull.Sing. 23, 1968, 1-540, 86 fig., 22 maps). A very full monograph, with descr., keys, and identification list.

Sleumer, H.: The identity of Homaliopsis S. Moore (Blumea 17, 1969, 4).

This Madagascan endemic genus described in Flacourtiaceae appears to be based on a Papuan specimen of *Tristania suaveolens* Sm.

----- : Materials towards the knowledge of the Icacinaceae of Asia, Malesia, and adjacent areas (Blumea 17, 1969, 181-264).

A very large precursor; revisions of several genera; key to genera of Old World (except Africa); 2 new genera (one from New Guinea, one from the Solomons) and 1 new record; keys to species.

Smith, A.C.: A reconsideration of the genus Tasmannia (Wint.) (Taxon 18, 1969, 286-290).

Old World *Drimys* is transferred to *Tasmannia*, formerly a section.

----- : Studies of Pacific island plants. XX. Notes on some Fijian species of Readea and Psychotria (Rubiac.) (Pac.Sci. 23, 1969, 367-382).

----- : Ditto. XXI. New and noteworthy flowering plants from Fiji (Pac.Sci. 23, 1969, 383-393).

New species in *Dysoxylum*, *Melochia*, *Sterculia*, *Astronium*, *Calycosia*, *Mastixiodendron*, *Sukunia*; new comb. in *Neuburgia*.

Smith, A.R.: Syzygium paniculatum Gaertn. (Myrtac.) (Curtis, Bot.Mag. n.s. 177, 1969, tab.529, 5 pp., 1 fig.). Australian species.

Smith, G.L.: New combinations in Polytrichaceae (Phytologia 18, 1969, 403).

Including some of continental Asia.

Smith, J.E.: Typification of Haemodorum (Haemod.) (Kew Bull. 23, 1969, 266).

Smith, J.M.B. & L.B.Lowry: Further exploration and observations on Mount Kinabalu East (Mal.Nat.J. 22, 1968, 29-40, 3 maps, pl.5-8).

Descr. of ascent of East Peak from West Peak requires mountaineering; East Peak seems better vegetated, but small disturbed patches are found ascribed to digging by pigs.

Soegeng Reksodihardjo: The species of Durio with edible fruits (Bombac.) (Economic Botany 16, 1962, 270-282).

*Soen, S.K.: Prospects for agricultural development in Indonesia. With special reference to Java (1968) 190 pp., 134 tab.; Inaug. Diss. Wageningen.

- Sreemadhavan, C.P.: The taxonomic status of Cardanthera (Acanth.) (Bull. Bot. Surv. India 10, 1968, 222-223). . . United with Hygrophila; 5 new comb.
- Staub, F. & J. Gueho: The Cargados Carajos shoals or St. Brandon: resources, avifauna and vegetation (Proc. R. Soc. Arts & Sci. Mauritius 3, 1968, 7-46, 2 maps, 6 phot.). Low coral islets with a beach and Barringtonia vegetation; besides introduced plants and some cultivated, native plants probably all either sea- or wind-dispersed.
- Stauffer, H.U.: Amphorogyneae, eine neue Tribus der Santalaceae (Vierteljahrsschr. Naturf. Ges. Zürich 114, 1969, 49-76, 1 Karte, 5 Taf.). Key to genera of tribe which comprises many genera of Malesia. Several new species of Malesia in Dendrotrophes, Dendromyza, Cladomyza, Dufrenoya. From Asia, Malesia, New Caledonia. Important precursor.
- Steenis, C.G.G.J. van: Plant speciation in Malesia, with special reference to the theory of non-adaptive saltatory evolution (Biol. J. Linn. Soc. 1, 1969, 97-133, 1 fig.).
- : Pauldopia, a new genus of southeast Asian Bignoniaceae (Act. Bot. Neerl. 18, 1969, 425-428, 1 fig.). Based on an aberrant species of Radermachera cq. Stereospermum; 2 names reduced.
- : New proposal to conserve the generic name 432 Longetia Baill. (Euph.) against Austrobuxus Miq. (Euph.) (Taxon 18, 1969, 341-342).
- : Some comments concerning the reduction of the genus Thysanospermum to Coptosapelta (Rubiac.) (Amer. J. Bot. 56, 1969, 805-807). Discussion on the benefit of regional Floras and rejection of local Floras, because the first aim by regional monographing families at creative systematic work, while the latter are floristic and cannot provide the progress in knowledge taxonomy needs so badly. One new comb.
- Stephens, S.G.: The potentiality for long range oceanic dispersal of cotton seeds (Amer. Natur. 100, 1966, 199-210, 2 fig., 4 tab.). Viability in seawater sufficient to carry seeds to the Galapagos but totally inadequate for transoceanic dispersal.

Stevenson, G.A.: An agronomic and taxonomic review of the genus Melilotus Mill. (Legum.) (Canad.J.Pl.Sci. 49, 1969, 1-20, 2 fig., 1 tab.).
Taxonomy of 18 species; key; descr.

Stone, B.C.: Further additions to the Flora of Guam. III (Micronesica 2, 1966, 133-141, 1 fig.).

Various additions; new comb. in Thelypteris (with key to Micronesian species).

----- : The phytogeography of Guam, Marianas Islands (Micronesica 3, 1967, 67-73).

----- : The genus Pandanus in Micronesia. I. The Marianas species (Micronesica 3, 1967, 105-121, 7 pl.).
Key to sections; key to 2 spp. and 8 forms in the Marianas.

----- : Studies in Malesian Pandanaceae. III. Notes on Pandanus section Solmsia, sect. nov. (Fed.Mus.J. 12, n.s. 1967, 105-110, 2 fig., 4 pl., 1 tab.; issued 15 March, 1969).

----- : Ditto. IV. A revision of Asterostigma and Astero-dontia. two sections of the genus Pandanus (Fed.Mus.J. 12, n.s. 1967, 111-116, 2 fig., 1 tab.; issued 15 March, 1969).

----- : Ditto. V. Two new subsections of Pandanus section Acrostigma Kurz, scabridi and dimissistyli (Fed.Mus.J. 12, n.s. 1967, 117-121, 3 fig.; issued 15 March 1969).

----- : Ditto. VI. The identity of Pandanus pilaris Ridley (Webbia 23, 1969, 609-613, 1 fig., t. 38).

----- : Notes on Pandanus in the Line Islands (Micronesica 4, 1968, 85-93, 10 fig.).
Some new infraspecific taxa.

----- : Morphological studies in Pandanaceae. I. Staminodia and pistillodia of Pandanus and their hypothetical significance (Phytomorphology 18, 1968, 498-509, 4 fig.).

----- : Materials for a monograph of Freycinetia Gaud. (Pandanaceae). VII. Species of Ceylon and the Andaman and Nicobar islands (Webbia 23, 1969, 591-596, 4 fig.).
Keys, synonymy and remarks.

----- : Ditto. VIII. A revised list of the Philippine species, with critical notes and some new taxa (Webbia 23, 1969, 597-607, t.34-37).

- Subba Rao, G.V. & G.R. Kumari: A new species of Gaultheria from Nefia (Eric.) (Bull. Bot. Surv. India 10, 1968, 223-225, 10 fig.).
- Subramanyam, K.: Aquatic angiosperms (Bot. Monogr. no 3, Bot. Surv. India, 1969, i-viii + 1-190).
- Sugimoto, J.: Miscellany from Makino Herbarium (12) (J. Jap. Bot. 44, 1969, 54-58, 1 fig.).
New infraspecific names in Tritomodon (Eric.).
- Sweet, H.R.: A revision of the genus Phalaenopsis. III-III (Amer. Orchid Soc. Bull. Dec. 1968, 1089-1104; Jan. 1969, 33-43, 27 fig., partly col.).
Treatment of sect. Zebrinae; key to spp.; descr.; distr.; but no specimens cited.
- : Ditto. IV-V (Bull. Amer. Orchid Soc. March 1969, 225-239, 321-336, fig. 30-56).
Treatment of subsect. Hirsutae, Glabrae, sect. Parishiaeae, sect. Amboinenses, sect. Stauroglottis. No novelties.
- Takagi, T.: Lodicules of some Japanese bamboos (J. Jap. Bot. 39, 1964, 1-5, 10 fig., 2 tab.).
- Tamura, M.: Ranunculaceae of Eastern Nepal collected by S. Nakao and his party in 1962 (Act. Phytotax. Geobot. 23, 1968, 100-108).
List; 3 new Aconitums; some new varieties.
- Tardieu-Blot, M.L.: Nyssaceae (Fl. Camb., Laos & Vietn. fasc. 8, 1968, 3-10, 1 pl.).
2 species.
- : Cornaceae (Fl. Camb., Laos & Vietn. fasc. 8, 1968, 11-33, pl. 2).
3 genera; some new species.
- : Alangiaceae (Fl. Camb., Laos & Vietn. fasc. 8, 1968, 35-49).
6 species.
- Tateoka, T.: Cytological evidence for the affinities of the genus Streblochaete (Gram.) (Bull. Nat. Sci. Mus. Tokyo 12, 1969, 161-163, 6 fig.).
Possibly related to the E. Asian-N. American genus Schizachne.
- Thorne, R.F.: Floristic relationships between New Caledonia and the Solomon Islands (Phil. Trans. R. Soc. Lond. B 255, 1969, 595-602).
Analysis of affinities.

Tirel,C.: Deux nouvelles espèces Vietnamiennes appartenant aux genres Mitreola L. et Strychnos L. (Logan.) (Adanson 9, 1969, 119-123, 2 pl.).

One new *Mitreola*, one new *Strychnos*.

Tomey,W.A.: Potamogeton lucens var. malaianus (Potamoget.) (Het Aquarium 39, 1969, 226-227, 4 phot.).

*Tomlinson,P.B.: Anatomy of the Monocotyledons. III. Commelinaceae-Zingiberales (1969) i-xx + 1-466, 86 fig.

Townrow,J.E.S.: Species list of and keys to the grasses in Tasmania (Pap.& Proc.R.Soc.Tasmania 103, 1969, 69-96, 2 fig.).

191 species enumerated; full key.

Turner,G.J.: Phytophthora palmivora from Piper betle in Sarawak (Trans.Brit.Mycol.Soc. 52, 1969, 411-418, 2 tab.).

Uhlherr,P.: The genus Corybas in Victoria (Orchid.) (Victor. Natur. 86, 1969, 37-41, 2 fig., 4 tab.).
9 species listed, figures, and contrasted.

Varshney,C.K.: Plant successions on walls (Proc.Symp.Recent Adv.Trop.Ecol.Varanasi 2, 1968, 471-481, 12 fig., 2 tab.).

Vassilczenko,I.: Nova species generis Cerasus Juss. e Himalaya occidentali (Nov.Syst.Pl.Vasc. 1968, 153-155, 1 pl.).

1 new species, Rosac.

Vassiljev,V.: Quae est Betula japonica sensu Sieb.? (Betul.) (Nov.Syst.Pl.Vasc. 1968, 73-80, 3 fig.).

Key in Russian; 2 species with lit. references and synonymy.

Venkatareddi,B.: Ceropegia lawii Hook.f. and Ceropegia panchganiensis Blatt. et McC. (Asclep.) (Willdenowia 5/1, 1968, 29-33, 4 phot.).
Descr.; key; from India.

Vidal,J.E. & B.Wall: Contribution à l'ethnobotanique des Nya Hön (Sud-Laos) (J.Agric.Trop.& Bot.Appl. 15, 1968, 243-264, map, 2 phot.).

List of vernacular names, partly named to the species.

Virot,R.: Protéacées (Fl.Nouv.-Caléd.et dép. 1968, 5-254, 52 fig., 52 cartes).

Contains several new genera and species. Complete treatment.

- Vivekananthan, K.: Notes on the occurrence of Clerodendrum paniculatum Linn. (Verben.) and Trias stocksii Benth. ex Hook.f. (Orchid.) in South India (Bull. Bot. Surv. India 10, 1968, 240-241).
- Vrishcz, D.: Species extremiorientales e sectione pseudolirium (Endl.) Wils. s.l. generis Lilium L. (Liliac.) (Nov. Syst. Pl. Vasc. 1968, 44-56).
Key to some 10 spp.; some new comb.; new sect.; also spp. from Far East.
- Waard, P.W.F.de: Foliar diagnosis, nutrition and yield stability of black pepper (Piper nigrum L.) in Sarawak (Piper.) (Commun. no 58, Dept. Agricult. Res. Kon. Inst. Trop. A'dam, 1969, i-xi + 1-149, 23 fig., 24 tab., 1 pl.).
- Wakefield, N.A.: Botanical exploration of East Gippsland (R. Soc. Victor. Proc. n.s. 82, 1969, 61-67).
History and miscellaneous records.
- Wall, J.R.D.: The Quaternary geomorphological history of North Sarawak with special reference to the Subis Karst (Sarawak Mus. J. 15, 1967, 97-125, 6 fig.).
- Walters, I.D.: Australian Dendrobium. Section Lataurea - Dendrobium bifalce Lindl. and Dendrobium bairdianum F.M.Bail. (Orchid.) (Austr. Plants 5, 1969, 105-106, 1 col.pl.).
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Nomencl. evaluation.
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