

XIV. BIBLIOGRAPHY
(continued from p.1369)

For the first time the growing amount of entries has been split into five categories: a) Algae, b) Fungi & Lichenes, c) Bryophytes, d) Pteridophytes, e) Spermatophytes & General subjects. Books have been marked by an asterisk.

a) Algae:

Abbott, I.A. & R.E. Norris: Studies on Callophyllis (Rhodophyceae) from the Pacific Coast of North America (Nova Hedwigia 10, 1965, 67-84, pl. 6-19).

Chauhan, V.D. & F. Thivy: On the occurrence of some Sargassum species in Gujarat (Phykos 3, 1964, 19-25, 22 fig.).

Cribb, A.B.: Anfractutofilum umbracolens gen. et sp. nov., a freshwater red alga from Queensland (Proc. R. Soc. Q. 76, 1965, 93-95, 1 fig.).

Fan, K.C.: A new family name and a new generic name in the Chlorophyceae (Act. Phytotax. Sin. 9, 1964, 101).

Fukushima, H.: A list of Japanese freshwater algae. Diatomae (J. Yokohama Munic. Univ. 71, 1957, 1-24).

Han, Fu-Shan: A new species of Characeae from Inner Mongolia (Act. Phytotax. Sin. 9, 1964, 305-306).

Hinode, T.: Desmid flora of the southern district of Tokushima Prefecture. II (Hikobia 4, 1965, 188-208, fig. 7-11, pl. 5-6).

-----: Desmids from the northern district of Tokushima Prefecture (J. Jap. Bot. 41, 1966, 214-224, 3 fig.).

Hirano, M.: Freshwater Algae from northeastern part of Afghanistan (Add. Rep. of Committee Kyoto Univ. Sci. Exped. to Karakoram & Hindukush Kyoto Univ. 8, 1955, 15-54, 5 pl.).
List.

-----: Freshwater Algae of Karakoram and Swat-Himalaya (Add. Rep. of Committee Kyoto Univ. Sci. Exped. to Karakoram & Hindukush Kyoto Univ. 8, 1955, 55-66, 3 pl., 1 tab.).

-----: Freshwater Algae of Bhutan. 1-2 (Act. Phytotax. Geobot. 21, 1965, 181-192, 20 fig.; ibid. 22, 1966, 44-48, 1 fig.).

Islam, A.K.M. Nurul & P. Sarma: Two new species of terrestrial Oedogonium from East Pakistan (Trans. Amer. Microsc. Soc. 82, 1963, 74-77, 16 fig., 1 tab.).

- Johnston, H.W.: The biological and economic importance of Algae. Part 2 (Tuatara 14, 1966, 30-63, 1 fig., 4 tab.).
- Kamat, N.D.: The Oscillatoriaceae of Ahmedabad, India (J.Univ. Bombay, n.s. 31, 1965 (1963), 20-27, fig. 1-5).
- : The Algae of Mahabaleshwar (J.Univ. Bombay, n.s. 31, 1965 (1963), 28-41, fig. 1-6).
- : Preservatives for freshwater Algae (J.Bomb. Nat. Hist. Soc. 62, 1965, 182-183).
- Martin, W.: The Lichen Flora of New Zealand (Tuatara 13, 1965, 112-115).
General.
- May, V.: Supplement to the key to the genera of Rhodophyceae hitherto recorded from Australia (Contr. N.S.W. Herb. 3, 1965, 341-348).
- : A census and key to the species of Rhodophyceae recorded from Australia (Contr. N.S.W. Nat. Herb. 3, 1965, 349-429).
Besides the keys 12 new comb.
- : Algae of the Gilbert Islands (Contr. N.S.W. Nat. Herb. 4, 1966, 14-16).
Coll. Mrs. R. Catala in July 1951.
- : Further records of Algae from New Caledonia collected by Mrs. R. Catala (Contr. N.S.W. Nat. Herb. 4, 1966, 17-18).
- Mikami, H.: A systematic study of the Phyllophoraceae and Gigartiniaceae from Japan and its vicinity (Sc. Pap. Inst. Algol. Res. 5, 1965, 181-285, 55 fig., 11 pl.).
- Mitchell, E.A.: The southern Australian genera of the Dumontiaceae (Rhodophyta) (Nova Hedwigia 11, 1966, 209-220, pl. 22-26).
- Nakamura, Y.: Species of the genera Ceramium and Campylaephora, especially those of northern Japan (Rhodoph.) (Sc. Pap. Inst. Algol. Res. 5, 1965, 119-181, 19 fig., 14 pl.).
- Pandey, D.C.: A study on the Algae from paddy field soils of Ballia and Ghazipur Districts of Uttar Pradesh, India. Part II (A): Taxonomic considerations - Cyanophyceae (Nova Hedwigia 10, 1965, 177-209, pl. 50-61; Part II (B)? : ibid. 11, 1966, 75-88, pl. 5-10).
- Prasad, B.N. & P.N. Srivastava: Camptylonema godwardii sp. nov. from India (Cyanoph.) (Phykos 3, 1964, 41-45, 18 fig.).
- Sarma, Y.S.R.K. & M. Khan: Chromosome numbers in some Indian species of Chara (Phycologia 4, 1965, 173-176, 6 fig., 1 tab.).
5 spp., with obvious polyploids.

- Srinivasan, K.S.: Algarum species ex India Oriundae (Bull. Bot. Surv. India 7, 1965, 188-266).
List.
- Stoddart, D.R., c.s.: Reef studies at Addu Atoll, Maldiv Islands. Preliminary results of an expedition to Addu Atoll in 1964. Maldiv Is. 0°38'S, 73°10'E (Atoll Res. Bull. 116, 1966, 1-122, 32 fig., 8 tab.).
Geogr.; corals; vegetation and flora; benthic algae.
- Subba Raju, N.: Aulosira terrestre sp. nov., occurring in the soils of Hyderabad, India (Cyanoph.) (Phykos 3, 1964, 33-34, 3 fig.).
- Taylor, W.R.: Notes on Indo-Pacific Turbinarias (Phaeoph.) (Hydrobiologia 28, 1966, 91-100, 19 fig., 1 pl.).
List of a few spp.; also Malesian material included.
- Thomas, J. & E.A. Gonzales: Thermal Algae of Western India. 1. Algae of the hot springs at Akloli and Ganeshpuri. 2. Algae of the hot springs at Palli (Hydrobiologia 25, 1965, 330-351, illustr.).
- Tsuda, R.T.: Marine benthic algae from the leeward Hawaiian group (Atoll Res. Bull. 115, 1966, 1-13, 1 fig., 1 tab.).
Enumeration.
- Valet, G.: Sur une espèce rare et une nouvelle espèce d'Hali-meda de Mélanésie (Chlorophyta) (Rev. Gén. Bot. 869, 1966, 680-684).
- Varma, A.K. & A.K. Mitra: Hyella intermedia sp. nov., a new species from India (Rev. Algol. n.s. 8, 1966, 196-203, 43 fig.).
- Vasishta, P.C.: More Cyanophyceae of Hoshiarpur. III (J. Bomb. Nat. Hist. Soc. 62, 1965, 104-119, 18 fig.).
- Womersley, H.B.S.: The morphology and relationships of Sonderella (Rhodophyta, Rhodomelaceae) (Austr. J. Bot. 13, 1965, 435-450, 16 fig., 3 pl.).
- : The Helminthocladiaceae (Rhodophyta) of southern Australia (Austr. J. Bot. 13, 1965, 451-487, 75 fig., 7 pl.).
Keys to genera and species.
- Wood, R.D.: Characeae in Tonga (Bull. Torr. Bot. Club 92, 1965, 465-467).
Record of a Nitella.
- : Characeae of New Caledonia (Rev. Algol. n.s. 8, 1965, 10-42, 1 fig., 8 pl.).
- Yamagishi, T.: Classification of the Zygnemataceae (Sci. Rep. Tokyo Kyoiku Daig. 11 B, 1963, 191-210, illustr.).

----- : Studies on the genus Mougeotia in Japan (Bot.Mag. Tokyo 78, 1965, 28-35, 11 fig.).
In Japanese; no key.

Zhu, Hui-Zhong: Materials for the Oedogoniaceae of China. I (Act. Phytotax. Sin. 9, 1964, 203-211, pl. 26-28).

b) Fungi & Lichenes:

Agnihotrudu, V.: Notes on Fungi from North-East India. XXI. Two dematiaceous Hyphomycetes from Assam (J. Ind. Bot. Soc. 44, 1965, 398-401, 11 fig.).

Almborn, O.: Revision of some lichen genera in southern Africa. I (Bot. Notis. 119, 1966, 70-112, 18 maps).
Some remarkable bicontinental and bipolar cases of distribution.

Asahina, Y.: Lichenologische Notizen (\$ 200) (J. Jap. Bot. 40, 1965, 225-227).
Asian Usnea species.

Chandra, S. & R. N. Tandon: Two new leaf-spot fungi (Curr. Sci. 34, 1965, 565-566, 5 fig.).
Colletotrichum and Phoma n.sp.

Chang, S. T.: How to grow straw mushrooms (Quart. J. Taiwan Mus. 18, 1965, 477-487, 10 fig.).

Chao, Chi-Ding: A preliminary study on Chinese Parmelia (Act. Phytotax. Sin. 9, 1964, 166, pl. 10-15).

----- : Preliminary study on Chinese Poria (Fungi) (Act. Phytotax. Sin. 9, 1964, 304).

Cheng, J. Y. & F. M. Wu: The Mucorales of China. I. Choanephoraceae (Act. Phytotax. Sin. 9, 1964, 29-30).

* Cunningham, G. H.: The Thelephoraceae of Australia and New Zealand (Fungi) (Bulletin 145, 1963, 1-359, 198 fig., 5 pl.; Bull. New Zeal. Dept of Sci. & Industr. Research).
Monograph.

* ----- : Polyporaceae of New Zealand (Bull. 164 New Zeal. Dept of Sci. & Industr. Research, 1965, 1-304, 59 fig., 7 pl.).
Monograph.

Fields, W. G. & J. W. Grear Jr: A new heterothallic species of Sordaria from Ceylon (Fungi) (Mycologia 58, 1966, 524-528, 3 fig.).

Govindu, H. C. & M. J. Thirumalachar: Notes on some Indian Cerco-sporae. XI (Sydowia 18, 1965, 18-22, 18 fig.).

- Gressitt, J. Linsley: Epizotic symbiosis: The papuan weevil genus *Gymnopholus* (Leptopiinae) symbiotic with cryptogamic plants, oribatid mites, rotifers and nematodes (Pac. Insects 8, 1966, 221-280).
Some species support growth of fungi, algae, lichens, and liverworts, which in turn support growth of other small animals. Most of these weevils belong to a specialized subgenus living on leaves of woody plants in moss forest or alpine shrubbery.
- Hale Jr, M. E.: Six new species of *Parmelia* from Southeast Asia (Lichenes) (J. Jap. Bot. 40, 1965, 199-205).
From Thailand, Malaya, Tjibodas, Kinabalu, and Philippines.
- Heim, R.: Breves diagnoses latinae novitatum genericarum specificarumque nuper descriptarum (Rev. Mycol. 31, 1966, 150-159).
Also some from Malesia and New Zealand.
- Hongo, T.: Notes on Japanese larger fungi. 17 (J. Jap. Bot. 40, 1965, 311-318, 3 fig.).
Several new species.
- Hughes, S. J.: New Zealand Fungi. 5. *Trichothallus* and *Ploka-midomyces* states of *Trichopeltthea* (New Zeal. J. Bot. 3, 1965, 320-332, 3 fig.).
- Iizuka, H. & J. Sugiyama: On three new *Aspergilli* isolated from Kurokoji of Ryukyu Islands and Kagoshima, Japan (J. Jap. Bot. 40, 1965, 230-233, pl. 8-9).
- Indoh, H.: Studies on Japanese Mucorales. I. On the genus *Syncephalis* (Fungi) (Sci. Rep. Tokyo Kyoiku Daig. 11 B, 1962, 11-27, 3 pl., illustr.).
- Joly, P.: Éléments de la Flore Mycologique du Viet-Nam (Bull. Trim. Soc. Mycol. Fr. 81, 1965, 269-287, 7 fig.).
List of 23 records; some new spp. and comb.
- Karling, J. S.: The Chytrids of India with a Supplement of other zoosporic Fungi (Beih. z. Sydowia, Ann. Mycol. Ser. II, 1966, 1-125).
- Klement, O.: Zur Kenntnis der Flechtenflora und -vegetation des Hawaii-Archipels (Nova Hedwigia 11, 1966, 243-283, 1 Abb., Taf. 31-37).
- Kobayasi, Y.: Himalayan *Calostoma* and *Isaria* (Fungi) (J. Jap. Bot. 40, 1965, 228-229, pl. 5).
- Kurokawa, S.: Revision of series Relicinae of the genus *Parmelia* in Japan and Taiwan (J. Jap. Bot. 40, 1965, 264-269, pl. 10-11).
Key to 6 spp.

- Lal, S.P. & A.S. Yadav: Addition to Microfungi of Bihar. III. Fungi imperfecti associated with the decaying graminaceous stems (J. Ind. Bot. Soc. 44, 1965, 402-406, 2 fig.).
- Laundon, G.F.: Rust Fungi III: On Alangiaceae, Amaranthaceae and Amaryllidaceae (Mycol. Pap. no 102, 1965, 1-52, 60 fig., 9 pl.).
Contains also data on Indomalaysian spp.
- & K.M. Ponnappa: A new species of Uredo on Hygrophila (Fungi) (Curr. Sci. 35, 1966, 492-493, 1 fig.).
- Mackenzie Lamb, I.: The Stereocaulon massartianum assemblage in East Asia (J. Jap. Bot. 40, 1965, 270-275, 2 fig.).
Key; description.
- Martin, W.: The Lichen Flora of New Zealand (Tuatara 13, 1965, 112-115).
General.
- : The Parmeliaceae of New Zealand and a key to indigenous species of Parmelia (Lichenes) (Tuatara 14, 1966, 7-11).
Key only.
- Mathur, P.N. & M.J. Thirumalachar: Volutellospora, a new genus of Sphaeropsidales (Sydowia 18, 1965, 35-40, 7 fig.).
From Poona soils.
- Pegler, D.N.: Studies on Australasian Agaricales (Austr. J. Bot. 13, 1965, 323-356, 8 fig.).
Types of 117 spp. at Kew.
- Pirozynski, K.A. & S.D. Patil: A new species of Beltraniella from India (Fungi) (Nova Hedwigia 11, 1966, 199-201, pl. 20).
- Rajendren, R.B.: A new species of Caeoma from India (Fungi) (Bull. Torr. Bot. Club 93, 1966, 237-240, 5 fig., 1 tab.).
- Rao, Ramchandra: A new species of Tympanopsis from India (Fungi) (Mycopath. & Mycol. Appl. 27, 1965, 238-240, 1 fig., 1 tab.).
On Lantana camara L.
- : A new species of Niesslia from India (Fungi) (Curr. Sci. 35, 1966, 395, 1 fig.).
- Rao, Vasant Gurunath: The Fungus genus Alternaria Nees in Bombay-Maharashtra. I (Sydowia 18, 1965, 44-64, 18 fig.).
- : Alternaria tenuis Auct. in Bombay-Maharashtra (Fungi) (Mycopath. & Mycol. Appl. 27, 1965, 257-264, 19 fig.).
- Regill, P.S. & B.K. Bakshi: Studies on Indian Thelephoraceae. II. Indian species of Peniophora & Corticum (Fungi) (Forest Bull. Dehra Dun 242, 1965, 1-31).

- Reid, D.A.: Two new fungi from New Guinea (Austr.J.Bot. 14, 1966, 31-34, 2 fig.).
One on *Sycopsis dunni*.
- Sarbhoy, A.K., D.Williamson & S.N.Bhargava: The genus Paecilomyces from India (Fungi) (Curr.Sci. 35, 1966, 396, 1 fig.).
- Schubert, R. & O.Klement: Beitrag zur Flechtenflora von Nord- und Mittelindien (Nova Hedwigia 11, 1966, 1-73, Taf. 1-4).
- Shome, S.K. & T.P.Mustafee: Alternaria tagetica sp.nov. causing blight of marigold (Tagetis sp.) (Curr.Sci. 35, 1966, 370-371, 1 fig.).
- Singh, K.G.: Ectotrophic Mycorrhiza in equatorial rain forests (Mal.For. 29, 1966, 13-18, 7 fig.).
In Fagaceae and Dipterocarpaceae, probably caused by one Basidiomycete.
- Sohi, H.S., S.Kumar & P.K.Seth: Some interesting fleshy fungi from Himachal Pradesh. I (J.Ind.Bot.Soc. 44, 1965, 69-74, 1 pl.).
No novelties.
- Srivastata, M.P. & R.N.Tandon: A new species of Sordaria (Fungi) (Curr.Sci. 31, 1965, 354-355, 4 fig.).
- Sutton, B.C. & S.D.Patil: Mahabalella nov.gen., a new hyphomycete genus from India (Fungi) (Nova Hedwigia 11, 1966, 203-207, pl.21).
- Tewari, V.P. & D.C.Pant: Ascomycetes of India. I (Mycologia 58, 1966, 57-66, 10 fig.).
- Thind, K.S. & H.Singh: The Helotiales of India. IV (J.Ind.Bot. Soc. 44, 1965, 122-132, 6 fig., 1 pl.).
No novelties.
- Vasudeva, R.S.: Indian Cercosporae (Fungi) (Ind.Counc.Agric. Research, New Delhi, 1961, 1-245, 168 fig.).
- Yen, Jo-Min (W.Y.Yen): Étude sur les Champignons parasites du Sud-Est asiatique. III. Deuxième note sur quelques nouvelles espèces de Cercospora de Singapour (Rev.Mycol. 30, 1965, 166-204, 14 fig., 5 tab.).
- : Étude sur les Champignons parasites du Sud-Est asiatique. IV (Rev.Mycol. 31, 1966, 109-149, 15 fig., 9 tab.).

c) Bryophytes:

- Amakawa, T.: Notes on Japanese Hepaticae. 14. Pycnolejeunea
(J.Jap.Bot. 40, 1965, 307-310, fig. 26-27).
- Ando, H.: A revision of the East-Asian species of Homomallium,
a genus of Musci. II (Hikobia 4, 1965, 161-177, fig.
5-9).
- Bharadwaj, D.C.: Studies in Indian Anthocerotaceae. IV (Hepat.)
(J.Ind.Bot.Soc. 44, 1965, 347-364, 44 fig., 2 tab.).
- Campbell, E.O.: The liverwort genus Asterella (Marchantiales)
in New Zealand (Trans.R.Soc.New Zeal. 3, 1965, 99-110,
37 fig.).
Full description of 2 species.
- : Lunularia in New Zealand (Hepat.) (Tuatara 13, 1965,
31-42, 21 fig.).
- : Marchantia species of New Zealand (Hepat.) (Tuatara
13, 1965, 122-136, 39 fig.).
- Castle, H.: A revision of the genus Radula. Part II. Subgenus
Acroradula. Section 9. Densifoliae (Hepat.) (Rev.Bryol.
& Lichen. 33, 1964-65, 328-398, 29 fig.).
- Chen, P.C. & S.C. Lee: Two new species of Buxbaumia in China
(Musci) (Act.Phytotax.Sin. 9, 1964, 277-280, pl. 29-30).
- & P.C. Wu: Study on epiphyllous Hepaticae of China. I
(Act.Phytotax.Sin. 9, 1964, 275-276).
Mostly Lejeuneaceae.
- Crosby, M.R.: New records for Hawaiian Island mosses (The
Bryologist 68, 1965, 457-462).
List; key to Hawaiian Philonotis.
- *Erdtman, G.: Pollen and spore morphology/plant taxonomy. Gym-
nosperrae, Bryophyta (text) (1965, 5-191, 27 fig., 24
pl.).
- Grolle, R.: Lebermoose aus Neuguinea. I (J.Hattori Bot.Lab.
28, 1965, 43-54, 4 Abb.).
- : Die Lebermoosgattungen Blepharidophyllum Angstr. und
Krunodiplophyllum Nov.Gen. (Scapaniaceae) (J.Hattori
Bot.Lab. 28, 1965, 55-74, 5 Abb.).
- : Wettsteinia Schiffn. (Hepat.) (J.Hattori Bot.Lab. 28,
1965, 94-100, 3 Abb.).
- : Miscellanea Hepaticologica 31-40 (J.Hattori Bot.Lab.
28, 1965, 101-106, 1 Abb.).

- : Miscellanea Hepaticologica 41-50 (J.Jap.Bot. 40, 1965, 206-219, 2 Abb.).
New spp. from India, Java, etc.; key to *Icapania* subg. *Plicaticalyx*.
- : Miscellanea Hepaticologica 51-60 (J.Jap.Bot. 41, 1966, 141-147, 2 Abb.).
- : Miscellanea Hepaticologica 61-70 (J.Jap.Bot. 41, 1966, 225-232, 2 Abb.).
- : Herzogobryum - eine beblätterte Lebermoosgattung mit dorsal verzahnten Merophyten (Oest.Bot.Z. 113, 1966, 220-234, 4 Abb.).
- : Eine neue Lebermoosgattung (Lophoziaceae) aus Nepal (Rev.Bryol. & Lichen. 36, 1966, 187-190, 1 fig.).
- Hansen, B.: Some Sphagna from Indochina (and Thailand) (The Bryologist 68, 1965, 340-341).
List of records.
- Hattori, S.: A remarkable Balantiopsis found in tropical Asia (J.Jap.Bot. 41, 1966, 129-133, 2 fig.).
A new species of an Antarctic genus from Kinabalu and New Guinea.
- & M. Mizutani: A range extension for Makinoa, a monotypic genus of thalloid Hepaticae (J.Jap.Bot. 41, 1966, 193-197, 1 map).
New Guinea to Japan, also Philippines.
- Hürlimann, H.: Weitere Laubmoose von den Tonga-Inseln (Bauhinia 2, 1965, 289-294).
List of names.
- Inoue, H.: Some nomenclatural changes and synonyms in the genera Syzygiella and Plagiochila (Hepat.) (The Bryologist 68, 1965, 217-219).
Some Indian spp. included.
- : A new species of Balantiopsis Mitt. from the Philippines (Hepat.) (J.Jap.Bot. 40, 1965, 245-249, 1 fig.).
- : Contributions to the knowledge of the Plagiochilaceae of Southeastern Asia. VI (Hepat.) (J.Hattori Bot.Lab. 28, 1965, 209-218, 5 fig.).
- : Contributions to the knowledge of the Plagiochilaceae of Southeastern Asia. VII. Synopsis of Plagiochila Dum. in the Himalayan region (Hepat.) (Bull.Nat.Sci.Mus. Tokyo 8, 1965, 375-403, 7 fig.).
- : A small collection of liverworts from Isl. Batan, the Philippines (Hikobia 4, 1965, 272-276).

- : New and noteworthy liverworts from Formosa (Bull.Nat. Sci.Mus.Tokyo 9, 1966, 37-41, 2 fig.).
- : Monosoleniaceae, a new family segregated from the Marchantiaceae (Bull.Nat.Sci.Mus.Tokyo 9, 1966, 115-118, 1 fig., 2 pl.).
- : Miscellaneous notes on Hepatics of Japan. 5 (J.Jap. Bot. 41, 1966, 14-16, fig.16).
- : Some taxonomic problems of Japanese Calypogeia Raddi (J.Jap.Bot. 41, 1966, 134-140, 8 fig., 1 tab.).
Chromosomes; oil body studied; list of spp.
- & H.A.Miller: Hepaticae from Kusaie, Caroline Islands (Bull.Nat.Sci.Mus.Tokyo 8, 1965, 139-160, 4 fig.).
- Iwatsuki, Z.: Notes on the genus Dolichotheca, with special reference to the Japanese species (Musci) (J.Hattori Bot.Lab. 28, 1965, 202-208, 2 fig., 1 map).
- : Bryological miscellanies. 16-17 (Musci) (J.Hattori Bot.Lab. 28, 1965, 219-220, 1 fig.).
- & S.Hattori: Studies on the epiphytic moss flora of Japan. 14. The epiphytic Bryophyte communities in Coniferous forests of Chichibu Mts., Central Japan (J.Hattori Bot.Lab. 28, 1965, 155-165, 4 tab.). Ditto. 15 (ibid. 221-238).
- & A.J.Sharp: Bryoxiphium norvegicum subsp. japonicum (Berggr.) Löve et Löve new to the Philippines (Misc. Bryol.& Lichen, 4, 1966, 29-30).
- Kitagawa, N.: A revision of the family Lophoziaaceae of Japan and its adjacent regions. I (Hepat.) (J.Hattori Bot. Lab. 28, 1965, 239-291, 16 fig.).
- Kodama, T.: Hepaticae of the Kinki District, Central Japan. I (Bull.Osaka Mus.Nat.Hist. 18, 1965, 69-84).
- Kuwahara, Y.: The Metzgeriaceae of Mt. Kinabalu, North Borneo (J.Hattori Bot.Lab. 28, 1965, 166-170, 1 fig.).
- : A short survey of the Himalayan Metzgeriaceae (Musci) (J.Hattori Bot.Lab. 28, 1965, 292-298, 1 fig.).
- : The family Metzgeriaceae in North and South East Asia, Pacific Oceania, Australia and New Zealand (Rev. Bryol.& Lichen. 36, 1966, 191-239, 22 fig.).
- Miller, H.A.: A review of Herberta in the tropical Pacific and Asia (J.Hattori Bot.Lab. 28, 1965, 299-411, 143 fig.).
- & H.Inoue: Jensenia macrogyna, a new Philippine Hepatic (Amer.J.Bot. 53, 1966, 708-711, 18 fig.).

- Mizutani, M.: Studies of little known Asiatic species of Hepaticae in the Stephani Herbarium. 2. On some little known Southeast Asiatic species of the genus Cololejeunea (J.Hattori Bot.Lab. 28, 1965, 107-121, 7 fig.).
- Noguchi, A.: Notulae Bryologicae. VII. Some transfers of names of the Asiatic mosses (J.Hattori Bot.Lab. 28, 1965, 147-154, 5 fig.).
- Osada, T.: Japanese Polytrichaceae. I. Introduction and the genus Pogonatum (J.Hattori Bot.Lab. 28, 1965, 171-201, 11 fig.).
- Robinson, H.: A small collection of Bryophytes from Kashmir (The Bryologist 68, 1965, 313-320, 11 fig.).
List; 2 new spp.
- Schuster, R.M.: Studies on antipodal Hepaticae. VII. Goebel-
iellaceae (J.Hattori Bot.Lab. 28, 1965, 129-138, 2 fig.).
- : Studies on antipodal Hepaticae (Trans.Brit.Bryol.Soc. 4, 1965, 801-817, 5 pl.).
On Archaeophylla and Archeochaete.
- : Studies in Lophoziaaceae. 1. The genera Anstrophyllum and Sphenolobus and their segregates. 2. Cephalolobus gen.n., Acrolophozia gen.n. and Protomarsupella gen.n. (Rev.Bryol.& Lichen. 36, 1966, 240-287, 4 fig.).
- Sharp, A.J. & Z.Iwatsuki: A preliminary statement concerning mosses common to Japan and Mexico (Ann.Mo.Bot.Gard. 52, 1965, 452-456).
A list.
- & ----- : The cooperative Hattori-Tennessee Bryogeographic Expedition, 2-3 (Miso.Bryol.& Lichen. 4, 1966, 23-25).
Hongkong-India; Philippines.
- Shin, T.: A small collection of mosses from Isl. Batan, the Philippines (Hikobia 4, 1965, 263-271, 1 fig.).
- Suzuki, H.: Observations on Sphagnum compactum DC. in Japan (Musci) (Hikobia 4, 1965, 303-317, 4 fig.).
- Tayal, M.S. & R.Nath: Morphological and biological notes on a new and little known liverwort from Mussoorie (J.Ind. Bot.Soc. 44, 1965, 23-26, 8 fig.).
Mindal pangiensis Kashyap.
- Tixier, P.: Callicostella kreaniana, espèce nouvelle du Massif Sud-Annamitique (Musci) (Rev.Bryol.& Lichen. 33, 1964-65, 560-564, fig.A-G & 1-5).

- : Bryophytes du Vietnam. Récoltes de A. Petelot et V. Demange au Nord Vietnam (Relictae Henryanae) (Rev. Bryol. & Lichen. 36, 1966, 127-181, 32 fig.).
List of 114 spp.; 21 new spp.; 25 new records.
- Udar, R. & S. Chandra: A new species of Calobryum Nees, C. indicum Udar et Chandra, from Darjeeling, Eastern Himalayas, India (Hepat.) (Rev. Bryol. & Lichen. 33, 1964-65, 555-559, 21 fig., pl. 24).
- Vohra, J. N. & B. M. Wadhwa: A new species of Andreaea from Western Tibet (Bull. Bot. Surv. India 6, 1964, 321-322, 7 fig.).
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- & ----- : On a collection of Bryophytes made by the Indian Cho Oyu Expedition, 1958. E. Nepal (J. Bombay Nat. Hist. Soc. 62, 1965, 259-265).
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- : Chieniopteris Ching, a new fern genus from China (Polypod.) (Act. Phytotax. Sin. 9, 1964, 40, pl. 5).
- : On some confused genera of the family Athyriaceae (Polypod.) (Act. Phytotax. Sin. 9, 1964, 41-84, pl. 5).
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List; 1 new *Tectaria*.
- : The genera Lomariopsis, Teratophyllum, and Lomagramma in the Islands of the Pacific and Australia (Polypod.) (Blumea 14, 1966, 215-223).
Key to genera and species, a few new.
- : Two new species of Lomagramma from New Guinea (Polypod.) (Blumea 14, 1966, 224).
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19 spp. recorded, some with short descr., others in table diagnostic; 8 figured; 2 are newly introduced viz *C.cysticoides* and *C.goreensis*, ident. at Kew. The author is probably P.R.Wycherley.

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 from Mt Gedeh, W.Java!

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An important summary and argumentation of the delimitation of families, tribes and subtribes.
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Suggested reduction of *A.loriae* from Papua to *A.elongatus*. Key to cult.spp. in Holland.
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Record of *S.velutina* Lindl. (*S.glauca* Lesch.ex DC., non Salisb.) which occurs also in Asia and Sumba I. Another sp. known from Réunion.
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A cautious approach, judging from the conclusion: "Past experience suggests that it is too much to expect a hypothesis concerning a major geological problem to be wholly correct. It is sufficient if it is not clearly absurd either geologically or physically and if it suggests relations and other hypotheses that can be tested. The idea of continental drift is exceptionally fruitful in this way; it suggests large programmes of investigation on land, at sea, and in the laboratory. If these are pursued vigorously for ten or twenty years it is probable that general agreement will be reached. From what we know at present, it seems likely that the decision will be that the continents have moved." The paper is followed by an ample discussion by various speakers showing the uncertainty about many basic problems in geology.
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- Burt, B.L.: Report on B.L. Burt Gesneriad Hunting Expedition (Gloxiniian 12, 1962, 77-79, 1 map).
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- : Notes, chiefly nomenclatural, on Gentianaceae of Pakistan and India (Not.R.Bot.Gard. Edinb. 26, 1965, 269-278).
Several taxon. and nomencl. notes; 2 new comb. of continental Asian spp.
- : The transfer of Cyrtandromoea from Gesneriaceae to Scrophulariaceae, with notes on the classification of that family (Bull.Bot.Surv.India 7, 1965, 73-88, 1 fig. 2 pl.).
Belongs not to Gesn. but to Scroph.; affinity of the central American Leucocarpus and Hemichaena, both monotypic. Important notes on delimitation of Gesn. and Scroph. Monogr. of Cyrtandromoea.
- : The publication of manuscript names (Taxon 15, 1966, 106-107).
Advocating a useful citation without "MS" authors, only the name of the publishing author; we will gladly endorse this; it is permissible under the Code.
- : Illegitimate tribes and legitimate sections (Taxon 15, 1966, 107-108).
The drawback of typification of sections and tribes for which I warned at the Paris Congress; didn't I stick my hand high as the single botanist opposing it? At least Dr. Fletcher remembered a man calling in the desert. -- v.St.
- & L.A. Lauener: A red-flowered Caltha from Tibet (Ranunc.) (Not.R.Bot.Gard. Edinb. 26, 1965, 349-350, 7 fig.).
- & R.M. Smith: A new genus of Acanthaceae from Sarawak (Not.R.Bot.Gard. Edinb. 26, 1965, 325-329, 3 fig.).
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Revision of 9 spp.; key to pollen types.

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6 spp. of wild rice in various parts of the Philippines, one being of particular interest because 7 ft. high, often with only the panicles above the water's surface: *Oryza perennis* Moench (a floating rice).

Capuron, R.: Mafai. Gyrocarpus americanus Jacquin. Caractères pratiques de reconnaissance (Centre Techn. Forest. Trop.; Études sur les essences forestières de Madagascar, 1966, 1-6, 3 pl.).

An important series of mimeographed detail treatments.

Carolin, R.C.: Taxonomic and nomenclatural notes on the genus Wahlenbergia in Australia (Campan.) (Proc. Linn. Soc. N.S.W. 89, 1965, 235-240).

Discussion of 7 spp. among which some new.

Carroll, E.J. & D.H. Ashton: Seed storage in soils of several Victorian plant communities (Victor. Natur. 82, 1965, 102-110).

Regeneration. A most interesting account in which it appeared that the amount of seed is enormous. Results were obtained by transplanting soil samples in sterilized sand and counting seedlings.

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Chang, T.K.: Dispersal of the taro in Asia (Arac.) (Ann. Amer. Assoc. Geogr. 48, 1958, 255-256).

Abstract: *Colocasia antiquorum* supposed early food plant originated in tropical Asia. *C. esculenta* is now Pacific food plant, but came from Asia.

Chaudhuri, R.H.N.: Pharmacognostic studies on the leaf of Cassia sophera Linn. (Legum.) (Bull. Bot. Surv. India 6, 1964, 155-157, 6 fig., 1 tab.).

Anatomy and biochemy.

*Chavan, A.R. & G.M. Oza: The flora of Pavagadh, Gujarat State, India (Baroda Univ. Bot. Mem. no 1, Baroda 1966, vi + 296 pp., phot., map).

This flora covers an area of 20 miles in diam. in which there is a hill of just over 500 m elevation. Environment, veget. and ecol. are discussed. Several plants supposed in Cooke's Flora of Bombay to be rare, have appeared more common. Keys to genera and spp. Synonyms and later references in abundance. Descr. of families and genera none, of spp. very meagre. This limits the use of the book to professional botanists, but few of these will have business with such a small area.

- , S.D.Sabnis & S.J.Bedi: *Melhanhia hamiltoniana* Wall.: a new record for Bombay State (Sterc.) (J.Bombay Nat. Hist.Soc. 62, 1965, 179-180, 1 pl.).
- Chen, Cheih: The systematic relationship of *Schnabelia* Hand.-Mazz. (Verb.) (Act.Phytotax.Sin. 9, 1964, 12, pl.1). 2 species; genus *Chienodoxa* (tetrodonta Sun) reduced to a second sp.; closest allied to *Caryopteris*; occurrence of cleistogamous and chasmogamous flowers.
- Cheng, Wan-Chun & Shao-Yao Chang: Genus novum *Calycanthacearum* *Chinae orientalis* (Act.Phytotax.Sin. 9, 1964, 137-138, pl.9).
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- Chilvers, G.A. & L.D.Pryor: The structure of *Eucalypt Mycorrhizas* (Austr.J.Bot. 13, 1965, 245-259, 2 fig., 2 tab., 2 pl.).
- Chuang, Ching-Chang: On the Taiwan species of *Lespedeza* (Leg.) (Taiwania 10, 1964, 105-116, 6 fig.).
Key to spp.; *L.junceae* ssp.*sericea* is here mentioned as *L.cuneata* (Du Mont.d.Cours.) G.Don.
- Chun, Woon-Young: A new Hainanese *Magnolia* (Magnol.) (Act. Phytotax.Sin. 9, 1964, 117-118).
- *Chung, In-Cho: Korean grasses (Publ.by author, Chicago Natural Hist.Mus. 1965, 186 pp., 37 fig., 7 pl.).
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- Cochrane, G.R.: Bushfires and vegetation regeneration (in Australia) (The Victorian Naturalist 83, 1966, 4-10, 3 fig.).
- Copperrider, T.S. & M.M.Galang: A *Pluchea* hybrid from the Pacific (Compos.) (Amer.J.Bot. 52, 1965, 1020-1026, 25 fig.).
P.indica x *P.odorata* (from U.S.A.); *P.fosbergii*, the hybrid, completely sterile and intermediate.
- Coulter, J.D.: Dry spells in New Zealand as a factor in plant ecology (Proc.New Zeal.Ecol.Soc. 13, 1966, 4-8, 5 fig.).
- Coulter, J.K.: Peat formations in Malaya (Mal.Agric.J. 33, 1950, 63-81).
- : Development of the peat soils of Malaya (Mal.Agric.J. 40, 1957, 188-199).
- Cremer, K.W. & A.B.Mount: Early stages of plant succession following the complete felling and burning of *Eucalyptus regnans* forest in the Florentine Valley, Tasmania (Austr.J.Bot. 13, 1965, 303-322, 3 fig., 2 tab., 4 pl.).
Bryophytes were followed soon by *Senecio*, *Histiopteris* and *Pteridium*.

- Dahl, A.O. & J. Rowley: Pollen of *Degeneria vitiensis* (J. Arn. Arb. 46, 1965, 308-323, 21 fig.).
- Dakshini, K.M.M.: A study of the vegetation of Mothronwala swamp forest, Dehra Dun, India (J. Ind. Bot. Soc. 44, 1965, 411-428, 1 fig., 3 tab.).
600 m alt.; under seasonal conditions; eutroph. Dominant *Bischofia javanica*, *Ficus glomerata* and other *Ficus*; *Salix tetrasperma*.
- & R.K.S. Chauhan: *Micrococca mercurialis* (Linn.) Benth.: an addition to the flora of the Upper Gangetic Plain (Euph.) (J. Bombay Nat. Hist. Soc. 62, 1965, 177).
- Das, S. & M.L. Banerji: Pollen morphology of a new species of *Cuscuta* (Convolv.) (Curr. Sci. 35, 1966, 105-106, 3 fig.).
C. santapau from Nepal.
- Daubs, E.H.: A monograph of Lemnaceae (Illinois Biol. Monogr. 34, 1965, 1-118, 4 tab., 21 pl., maps).
Monograph; unfortunately only little herbarium material from Malesia has been elaborated.
- Dawson, J.W.: Observations on *Nothofagus* in New Caledonia (Fagac.) (Tuatara 14, 1966, 1-7, 1 fig.).
Ecology.
- Deb, D.B.: A new species of *Tacca* Forst. from North East Frontier Agency, India (Taccac.) (Ind. For. 90, 1964, 241-243, tab. 1-2).
T. chaudhuriana n.sp. is described and illustrated from the Subansiri Frontier Division in NE. India.
- : An undescribed species of *Mycetia* Reinw. (Rubiaceae) from India (Blumea 14, 1966, 241-243, 1 fig.).
- & R. Dutta: A new species of *Boehmeria* Jacq. from North East India (Urtic.) (Ind. For. 90, 1964, 782-784, fig. a-e).
- Degener, O. & I. Degener: The Hawaiian genus *Neowimmeria* (Lobeliaceae) (Phytologia 12, 1965, 73).
- *----- & ----- : *Flora Hawaiiensis* (5 Jan. 1966, 9 pp., 9 pl.).
- Delisle, D.G.: Taxonomy and distribution of the genus *Cenchrus* (Gram.) (Iowa State J. Sc. 37, 1963, 259-351, 22 fig., 15 tab.).
- Derrick, E.: Airborne pollen and spores in Melbourne (Austr. J. Bot. 14, 1966, 49-66, 2 fig., 2 tab.).
- Dilmy, A.: Ecological data from the Sampit area (Central Kalimantan) (Symp. Ecol. Res. Humid Trop. Veget. Kuching 1963; UNESCO Sc. Coop. Off. SE. Asia 1965, 217-224).
Agathis, *Tristania* forests.

- : Pioneer plants found one year after the 1963 eruption of Agung at Bali (Pac.Sc. 19, 1965, 498-501).
- Drury, D.G. & L. Watson: A bizarre Pappus form in Senecio (Comp.) (Taxon 15, 1966, 309-311, 2 fig.).
Anatomy Pappus structure important for taxonomy of Senecio.
- Duke, J.A.: Keys for the identification of seedlings of some prominent woody species in eight forest types in Puerto Rico (Ann. Mo. Bot. Gard. 52, 1965, 314-350, 182 fig.).
A most interesting account with a key for identifying seedlings; each figures; c. 182 spp.
- *Dunmore, J.: French explorers in the Pacific. Volume I. The eighteenth century (Oxford Univ. Press, 1965, viii + 356 pp., 13 sketch maps).
Full introduction, and chapters on Bougainville, De Surville, Marion du Fresne, Kerguelen, La Pérouse, D'Entrecasteaux, Marchand. General, scholarly, well readable, finely executed.
- Dunnill, P.M. & L. Fowden: The aminoacids of seeds of the Cucurbitaceae (Phytochemistry 4, 1965, 933-944).
The overall picture gives useful support to the current morphol. system; cases of discrepancy coincided with some morphol. uncertainty.
- Edgar, E.: The male flowers of Hydatella inconspicua (Cheesem.) Cheesem. (Centrol.) (New Zeal. J. Bot. 4, 1966, 153-158, 2 fig., 1 tab.).
- : Luzula in New Zealand (Junc.) (New Zeal. J. Bot. 4, 1966, 159-184, 5 fig.).
Key; distr.; descr.
- : Two new species of Scirpus sect. Isolepis (Cyper.) (New Zeal. J. Bot. 4, 1966, 196-200, 2 fig.).
- Erickson, R. & J.H. Willis: Some additions to Australian Styliadiaceae (Victor. Natur. 83, 1966, 107-112, 2 pl.).
3 new spp. and a variety.
- Evans, M.: The identity of Ternstroemia vitiensis Seemann (Balanops.) (Kew Bull. 20, 1966, 303-304).
= Balanops vitiensis (A.C.Sm.) Helmq.; this removes the genus from Pacific lists!
- Evans, O.D.: The Xyris gracilis complex (Xyrid.) (Contr. N.S.W. Nat. Herb. 4, 1966, 1-8, 2 fig.).
- : Flagellariaceae (Contr. N.S.W. Nat. Herb. Flora ser. no 24-25, 1966, 1-2).
- : Xyridaceae (Contr. N.S.W. Nat. Herb. Flora ser. no 27-28 1966, 1-8).

- : Eriocaulaceae (Contr.N.S.W.Nat.Herb. Flora ser. no 27-28, 1966, 9-12).
- Eyde, R.H.: Systematic anatomy of the flower and fruit of Corokia (Saxifr.) (Amer.J.Bot. 53, 1966, 833-847, 29 fig., 1 map).
Allied to Argyrophyllum, but not very clearly. Both belong to Saxifr.-Escallonioideae, not at all to Cornac.
- Fairbrothers, D.E.: Serological correspondence of the genus Corokia with taxa of the Cornaceae, Nyssaceae, and Garryaceae (Amer.J.Bot. 53, 1966, 637-638).
Immunochemical methods indicate Cornaceae and Nyssaceae as affinity, not Garryaceae or Saxifragaceae. Abstract.
- Fang, W.P.: A new variety of Castanea from Omei Shan (Fagac.) (Act.Phytotax.Sin. 9, 1964, 307).
- Feung, Chao-Shieung: A cytotaxonomic study of Viscum on Taiwan (Loranth.) (Taiwania 11, 1965, 113-117, 3 fig.).
- Fineran, B.A.: The vegetation and flora of Bird Island, Foveaux Strait (New Zeal.J.Bot. 4, 1966, 133-146, 6 fig.).
Ecology and plant list.
- *Fisher, F.J.F.: The alpine Ranunculi of New Zealand (Bot.Div., D.S.C.R., Wellington, New Zealand, Aug. 1965, 192 pp., 130 fig., 40; Bull. 165, New Zeal.Dept.Sci.& Industr. Res.).
- Floyd, A.G.: Effect of fire upon weed seeds in the wet sclerophyll forests of northern New South Wales (Austr.J.Bot. 14, 1966, 243-256, 7 fig., 4 tab.).
- Forman, L.L.: The reinstatement of Galearia Z.& M. and Microdesmis Hook.f. in the Pandaceae (Kew Bull. 20, 1966, 309-321, 2 fig., pl.V).
Microdesmis, Panda and Galearia are related as already Pierre originally thought; anatomical evidence is generally in favour; pollen characters are inconclusive. Conclusion is that the three form a family Pandaceae, not related to Celastraceae as Hutchinson suggests, but close to Euphorbiaceae. In my opinion more groups could be split off this family if this procedure is followed, and this seems undesirable. They have too many morphological characters in common. There are additional appendices by C.R.Metcalf and Marameswaran on the anatomy of leaf and stem and wood in Panda oleosa and Galearia celebica. Forman devotes also a paragraph to the so-called leafy shoots resembling pinnate leaves, a feature "which has deceived more than one eminent botanist". This is no excuse as many eminent botanists have

sometimes shown to be badly informed or to have neglected vegetative characters. The suggestion that 'if complete suppression of the stipules and the scale subtending the leafy shoot were to take place the resulting structure would be what we could only call a leaf' seems to me completely unwarranted. Forman compared further the arrested terminal bud of *Panda* with the terminal "leaf-bud" of *Chisocheton* in this respect; this is a misinterpretation of the latter. His tentative suggestion that leaves may thus not be homologous, and partly be deformed leafy twigs with arrested growth should be rejected. It is at variance with common sense morphology. -- v.St.

Fosberg, F.R.: Field excursions during and after the symposium. Sarawak, Brunel and Kinabalu (Symp.Ecol.Res.Humid Trop. Veget.Kuching 1963; UNESCO Sc.Coop.Off.SE.Asia 1965, 271-288).

----- & B.C.Stone: *Leucaena insularum* in Guam (Legum.) (Micronesica 2, 1965, 67-70, 2 fig.).

Fujimoto, Y.: Classification of *Cynodon* and *Zoisia* by vegetative characters (Gram.) (Hikobia 4, 1965, 209-221, 7 fig.).

Both genera have 3 closed nodes.

Fukusawa, C.A., F.F.Campos & J.M.Capinpin: Genetic aspects of the interspecific crosses between kenaf (*Hibiscus cannabinus* L.) and roselle (*Hibiscus sabdariffa* L.) (Philipp.Agric. 44, 1961, 223-235, 7 tab., 4 fig.).

The F_1 hybrids exhibited sterility, hence no self or backcross progenies could be obtained. The hybrids showed such striking characters as increased height, delayed flowering time, sterility, and dense trichome covering. All other characters determined were intermediate or similar to one parent or the other.

*Furneaux, R.: Krakatoa (Java-Sumatra) (London, 1964, 224 pp., maps, plates).

A vivid, exciting and historical survey of the eruption in 1883 and after of Krakatoa, an mountain-island between Sumatra and Java in the East Indies. Not seen.

Gardner, C.A. & A.S.George: Eight new plants from Western Australia (J.R.Soc.W.Austr. 46, 1963, 129-138, fig.).

Gessner, F. & L.Hammer: Oekologisch-physiologische Untersuchungen an den Podostemonaceen des Caroni (Venezuela) (In.Rev.Ges.Hydrobiol. 47, 1962, 497-541).

Some interesting ecological observations.

- Ghosh, M.K.: Observations on the pollination in *Nechamandra alternifolia* (Roxb.) Thw. (Hydroch.) (Bull. Bot. Surv. India 6, 1964, 185-187, 1 fig., 1 tab.).
- Gibbs, J.G.: Studies of the importance of plant species in vegetation (Tuatara 14, 1966, 19-29, 2 tab.).
Sociology relevés in New Zealand.
- Gillett, J.B.: Notes on Leguminosae (Phaseoleae) (Kew Bull. 20, 1966, 103-112, 1 fig., 1 map, 5 tab.).
One genus from India is included.
- Gillis, R.G. & A.S. Wright: Laportea, the stinging trees (Urt.) (North Queensl. Natur. 33, 1966, 2-5, 2 fig.).
- Godley, E.J.: Notes on the vegetation of the Auckland Islands (Proc. New Zeal. Ecol. Soc. 12, 1965, 57-63, 5 fig.).
- : Botany of the Southern zone exploration to 1843 (Tuatara 13, 1965, 140-181).
A nice account of early voyages with valuable succinct comments.
- Gottwald, H. & N. Parameswaran: Das sekundäre Xylem der Familie Dipterocarpaceae (Bot. Jahrb. 85, 1966, 410-508, 11 Karten, 3 Tab., Taf. 14-23).
Important wood-anat. study; Monotoideae are sharply distinct; suggestions to refer certain spp. from *Balanocarpus*, *Vateria* and *Stemonoporus* to other genera.
- Green, P.S.: The genus *Linociera* (Oleac.) in New Caledonia (J. Arn. Arb. 47, 1966, 319-322).
Several spp. described under *Osmanthus* and *Notelaea* and the genus *Sarlina* are reduced to *Linociera*; 3 spp. recognized, one unnamed.
- Greig-Smith, P.: Notes on the quantitative description of humid tropical forest (Symp. Ecol. Res. Humid Trop. Veget. Kuching 1963; UNESCO Sc. Coop. Off. SE. Asia 1965, 227-234).
- Groves, R.H.: Growth of *Themeda australis* tussock grassland at St. Albans, Victoria (Gram.) (Austr. J. Bot. 13, 1965, 291-302, 4 fig., 1 tab.).
- & R.L. Specht: Growth of heath vegetation (Austr. J. Bot. 13, 1965, 261-280, 5 fig., 2 tab.).
Dry matter production following fire on 2 soil types; poor growths on podsoles.
- Guillaumin, A.: Plantes nouvelles rares ou critiques des serres du musée (Bull. Mus. Nat. Hist. Paris II, 37, 1965, 198-201).
List of records and 2 new *Dendrobiums* (Solomon Is.) of Indochina, New Caledonia and Solomon Islands.

- : Contributions à la flore de la Nouvelle-Calédonie.
CXXV-CXXVII. Plantes récoltées par H.S.McKee (6e liste)
(Bull.Mus.Nat.Hist.Paris II, 37, 1965, 556-562).
 No novelties.
- : Plantes récoltées par la Dr. J.W.Dawson et conservées
au Rijksherbarium de Leyde (Bull.Mus.Hist.Nat.Paris II,
37, 1965, 561-562).
 List of species collected in New Caledonia; no novel-
 ties.
- : Plantes vivantes apportées aux serres du Muséum, par
Mr. Legand (Bull.Mus.Nat.Hist.Paris II, 37, 1965, 562).
List of largely Orchidaceae of New Caledonia.
- Guinet, Ph.: Étude des caractères du pollen dans le genre
Calliandra (Mimosaceae) (Pollen et Spores 7, 1965, 157-
173, 3 fig., 2 pl.).
 On the basis of pollen structure a more natural subdivi-
 sion of the genus is constructed; genus is pantropic-
 al: Central and S.America, West Africa and further Ma-
 dagascar & Ceylon + Deccan.
- Haggett, P.: The Bahia-Goa route in the dispersal of Brazilian
plants to Asia (Amer.Antiquity 25, 1959-60, 267-268).
 It seems more likely that American plants (such as He-
 liotropium indicum L. and Mimosa pudica L.) were first
 taken from Brazil to Portugal than directly from Brazil
 to Asia. The Portuguese route from Lisboa to Goa viz
 Bahia and the Cape of Good Hope was the first direct
 route to SE.Asia from S.America but it was so little
 used as to be unimportant in this connection.
- Hannibal, L.S.: Crinums and other Amaryllids in Australia and
and Pacific islands (Plant Life 21, 1965, 12-17).
 Not seen.
- Hara, H.: New or noteworthy flowering plants from Eastern Hi-
malaya (5) (J.Jap.Bot. 40, 1965, 327-328).
 Incl. new names for 3 Rubus from India; 1 Reissantia,
 1 Maytenus, 1 Reinwardtia, and 1 Lobelia.
- Hartley, T.G.: A revision of the Malesian species of Zanthoxy-
lum L. (Rutac.) (J.Arn.Arb. 47, 1966, 171-172, 4 fig.,
8 distr. maps).
 Complete revision; Fagara combined with Zanthoxylum;
 key; descr.; many reductions, 19 spp. maintained of
 which 4 new, 2 from New Guinea and 2 from Sumatra.
- Hartmann, H.: Beiträge zur Kenntnis der Flora des Karakorum
(Bot.Jahrb. 85, 1966, 329-409, 8 Abb., Taf.9-13).
 Plant list; a n.sp. and some new var.

- *Hasan bin Pukul & P.S.Ashton: A check list of Brunei trees (No place, probably Forestry Department, Brunei; no date, probably recent, 125 pp., hard cover). A simple Vernacular-English pocket book for foresters, to aid identification. Largely modelled after Wyatt-Smith's one for Malaya. Three lists: dipterocarps, other trees, and botanical names, with family.
- Hatusima, S.: An enumeration of the plants of Batan Island, N. Philippines (Mem. Fac. Agric. Kagoshima Univ. 5, 1966, 13-70, 10 phot., 1 pl., map). List; 1054 numbers collected; several new records for the Philippine Is. New are *Batania insignis* n.g. n.sp. and *Toxocarpus batanensis* Hatus. n.sp. New comb. are: *Cyclea insularis* (Mak.) Hatus., *Bridelia glauca* Bl. forma *balansae* (Tutcher) Hatus., *Gardenia rolfei* (Vidal) Hatus.; new to the Philippines (and to Malesia) are: *Lycopodium fordii* Baker, *Pteris ryukyuensis* Tagawa, *Diplazium doederleinii* (Luer) Makino, *Cyclea insularis* (Makino) Hatus., *Sedum formosanum* N.E.Br., *Galactia tashiroi* Maxim., *Ilex kusanoi* Hayata, *Wikstroemia retusa* A.Gray, *Syzygium kususense* (Hayata) Mori, *Maesa tenera* Mez, *Tarenna kotoensis* (Hayata) Masam., *Crepidium lanceolatum* (Houtt.) Nakai, *Eupatorium formosanum* Hayata var. *quasitripartitum* (Hayata) Kitamura, *Arundo formosana* Hackel, *Capillipedium kwashotense* (Hayata) Hsu.
- Hawkes, A.D.: Grafia, a new genus of orchids (Phytologia 13, 1966, 305-306). *Grafia*, based on *Phalaenopsis parishii* from continental SE. Asia.
- Hedge, I.C.: A new *Nepeta* from W. Nepal (Lab.) (Not. R. Bot. Gard. Edinb. 26, 1965, 355-356, pl. 36).
- Henry, A.N.: A new variety of *Elatostema lineolatum* Wt. from Agasthyamalai Hills, Madras State (Urtic.) (Bull. Bot. Surv. India 6, 1964, 317-318, 8 fig.).
- : A new species of *Euphorbia* from Agasthyamalai Hills, Madras State (Euph.) (Bull. Bot. Surv. India 6, 1964, 329-330, 15 fig.).
- : *Antidesma walkeri* - a new record for India from Madras (Euph.) (Curr. Sci. 35, 1966, 106, 1 fig.). Only known from Ceylon.
- Herklots, G.A.C.: Orchids of Nepal - *Pleiones* (on the road to Singapore) (Amer. Orch. Soc. Bull. 32, 1963, 177-181, 4 fig.). Descr. and data on *P. praecox*, *P. humilis* and *P. hookeriana*, all found wild in the vicinity of the Valley of Nepal.

- : Orchids of Nepal - three Coelogynes (Amer.Orch.Soc. Bull. 32, 1963, 345-348, 3 fig.).
C.corymbosa, C.ochracea, and C.flaccida are described from plants growing in Nepal.
- Hill, R.D.: Micro-climatic observations at Bukit Timah Forest Reserve, Singapore (Mal.For. 29, 1966, 78-86, 3 fig.).
- Ho, Coy-Choke & M.E.D.Poore: The value of Mount Kinabalu National Park, Malaysia, to plant ecology (Mal.Nat.J. 19, 1965, 195-202, map, 5 phot.).
Succinct note on geology, plant migration, zonation, the vegetation types of Pinosuk Plateau, and notes on Podocarpus imbricatus.
- Holdridge, L.R.: The tropics, a misunderstood ecosystem (Ass. Trop.Biol.Inc., Bull. 5, 1965, 21-30).
- Horikawa, Y.: The range of East-Asian plants (10) (Hikobia 4, 1965, 257-259, map 23-24).
Myrica rubra; Ardisia crenata.
- Hospers, J.: Palaeomagnetisme, poolverplaatsing en continent-verschuiving (Wolters, Groningen, Netherlands, 1965, 19 pp.).
In Dutch. Critical review of the palaeomagnetic data. This new branch of geophysics seems not so simple as originally assumed, many data being definitely wrong. Author concludes that there are good reasons for shift of magnetic pole from tropical Pacific to present place during past 600 mln yrs, but no mutual displacement of Eurasia and the Americas. With present knowledge continental drift is not more probable than shift of magnetic pole.
- Hotta, M.: Notes on Schismatoglottidinae of Borneo. I (Arac.) (Mem.Coll.Sc., Univ.Kyoto ser.B, 32, 1965, 19-30, 5 fig.).
Key to sections; various new spp. and comb.; one new genus Phymatarum, all from Borneo.
- : Itinerary of the Borneo (Notes on the vegetation) (Act.Phytotax.Geobot. 21, 1965, 153-160, 4 fig., 3 tab.).
In Japanese.
- : Notes on Bornean plants. I (Act.Phytotax.Geobot. 22, 1966, 1-10, 3 fig.).
New spp. and records in Araceae, Dioscoreaceae, Nepenthaceae, Nymphaeaceae.
- Hou, Ding: Studies in the Flora of Thailand. 30. Rhizophoraceae (Dansk Bot.Ark. 23, 1965, 189-190).
List.

- : Notes on some Asiatic species of *Microtropis* (Celastraceae) (Blumea 13, 1966, 405-408, 1 fig.).
4 records and a new sp. from S.Vietnam.
- Howard, R.A. & D.A. Powell: The Indian Botanic Garden, Calcutta and the gardens of the West Indies (Bull. Bot. Surv. India 7, 1965, 1-7, 5 pl.).
- Hsu, Chien-Chang: The classification of *Panicum* (Gram.) and its allies, with special reference to the characters of lodicule, style-base, and lemma (J. Fac. Sc. Univ. Tokyo sect. III, Bot. 9, 1965, 43-150, 15 fig., 2 pl., 4 tab.). 50 genera treated and defined; key to the Asiatic genera of Paniceae; key to subgenera and sections of *Panicum* which are also defined.
- Hsu, Ping-Sheng: Notes on genus *Eurya* of China (Theac.) (Act. Phytotax. Sin. 9, 1964, 85-98).
- Hu, Hsen-Hsu: Materials for a monography of the genus *Carpinus* L. in China (Betul.) (Act. Phytotax. Sin. 9, 1964, 298).
- Hu, Shiu-Ying: The Compositae of China. I (Quart. J. Taiwan Mus. 18, 1965, 1-136, 2 fig., 34 maps, 4 tabl.).
Census of the genera; brief discussion of each genus; statistics; distr. ranges of some large genera; biol. enum. of all species; but this to be continued as only a small part is published here.
- : The Compositae of China. II (Quart. J. Taiwan Mus. 18, 1965, 233-333).
The second and last part of this enumeration.
- Huang, Tseng-Chieng: Monograph of *Daphniphyllum*. I (Taiwania 11, 1965, 57-98, 11 fig., 7 tab.).
Morph.; anat.; palynology; chromosomes; affinity of spp.
- Hunt, P.F. & V.S. Summerhayes: Notes on Asiatic Orchids. IV (Kew Bull. 20, 1966, 51-62).
Also important nomenclaturally for Malesia.
- Ivanina, L.I.: Application of the carpological method to the taxonomy of Gesneriaceae (Not. R. Bot. Gard. Edinb. 26, 1965, 383-403, 6 fig.).
Translated from Bot. Zhurnal 50 (1965) 29-43. Short comment by B.L. Burtt. Subdivision of fam. into subfam., tribes and subtribes.
- Iwatsuki, Z.: An account of the bryological research expedition to North Borneo by the Hattori Botanical Laboratory (4) (Misc. Bryol. & Lichen. 3, 1964, 97-101, 7 fig.).

- Jacobs, M.: Kleine schets van de activiteiten van het Rijksherbarium te Leiden (Leids Univ. Blad 25 Nov. 1965, repr. 5 pp., 3 fig.).
In Dutch. Short sketch of activities of the Rijksherbarium.
- : Adanson - the first neo-Adansonian? (Taxon 15, 1966, 51-55).
Showing the deceptive misinterpretation of Sneath to adorn numerical taxonomy with a historical figure.
- Jain, S.K. & C.R. Tarafer: Observations on Nyctanthes arbor-tristis L. (Verb.) (Sephallika or Parijataka) (J. Soc. Ind. For. 4, 1964, 97-101).
Habit, habitat and uses.
- Jancey, R.C.: An investigation of the genus Phyllota (DC.) Benth. (Legum.) (Proc. Linn. Soc. N.S.W. 90, 1966, 341-375, 11 fig., 2 tab.).
Cytol.-geogr.; relation to other genera; key; descr.; monogr.
- Jansson, C.-A.: A new Begonia hybrid (Act. Horti Gotob. 28, 1966, 65-68, 2 fig.).
Hybrid between B. rajah Ridl. and B. sudjanae Janss.
- Jauhar, P.P. & A.B. Joshi: A new species of Panicum coloratum Linn. complex (Gram.) (J. Bombay Nat. Hist. Soc. 62, 1965, 320-323, 2 pl.).
A new sp., introduced from and obviously native in Australia.
- Jayaweera, Don M.A.: The rubiaceae genus Mussaenda: a new species from North Burma (Rub.) (J. Arn. Arb. 46, 1965, 366-368, 1 fig.).
A rheophytic species.
- Jeanplong, J.: Prospection des types biologiques présentés par quelques associations végétales au Viêt-Nam du Nord (Act. Bot. Ac. Sc. Hung. 11, 1965, 311-323, 7 fig., 2 tab., 7 phot.).
Raunkiaer statistics of some grassland communities.
- Jeffrey, C.: Poliothyrsis sinensis. Flacourtiaceae (Curtis's Bot. Mag. 175, 1965, 3 pp., tab. 480, 1 fig., 1 pl.).
- Johnson, L.A.S. & O.D. Evans: Restionaceae (Contr. N.S.W. Nat. Herb. Flora ser. no 24-25, 1966, 2-28, 6 fig.).
- Johnston, A. & E. Hussain: Grass cover types of West Pakistan (Pakistan J. For. 13, 1963, 239-247, 34 ref.).
- Jones, K. & J.B. Smith: The cytogeography of Impatiens L. (Balsam.) (Kew Bull. 20, 1966, 63-70).
A first study from 21 known localities in this Old

World genus estimated at over 500 species, made in absence of a taxonomic monograph, has revealed that the various basic numbers of $x = 7, 8, 10, 11$, have distinctive geographic distributions.

Kanodia, K.C. & B.V. Reddi: Ceropegia fantastica Sedgwick (Asclepiadaceae) - An imperfectly known species (Bull. Bot. Surv. India 6, 1964, 311-312, 5 fig., 1 pl.).

Kapoor, S.L.: Flowering plants of India. Clematis. II (Ranunc.) (Bull. Nat. Bot. Gard. Lucknow no 124, 1966, 1-94, 6 pl.).
Key to spp.; descr.

Karkare-Khushalani, I. & B.N. Mulay: Studies in Sapindaceae. I. Embryology of Dodonaea viscosa (Phyton 11, 1964, 83-92, 62 fig.).

Kartawinata, E. Kuswata: The genus Planchonia Blume (Lecyth.) (Bull. Bot. Surv. India 7, 1965, 162-187, 12 fig.).
Monogr.; 8 spp. distinguished; key. Andamans to N. Australia, Queensland and Solomon Islands.

----- : Notes on the vegetation of the Peutjang Island (S.W. Java) (Symp. Ecol. Res. Humid Trop. Veget. Kuching 1963; UNESCO Sc. Coop. Off. SE. Asia 1965, 26-30).
Subsecondary character of this forested island.

Kataki, S.K. & G. Panigrahi: Ranunculaceae in Assam and North East Frontier Agency (Indian For. 90, 1964, 394-400).
11 genera and 34 spp. enumerated from Assam; of each short notes on morphology, ecology, habitat, and specimens.

Kein, Lee Siew: The natural history of the shore flora and fauna off Tanjong Teritip, Singapore (Mal. Nat. J. 19, 1966, 259-274, 4 fig.).
Incl. a few notes on algae and their zonation.

Keraudren, M.: Présence du genre indonésien Muellerargia (Cucurbitacées) à Madagascar (Adansonia 5, 1965, 421-424, 1 pl.).
A new species very closely allied to the Malesian one.

Khoshoo, T.N. & S.R. Tandon: Cytological, morphological and pollination studies on some Himalayan species of Swertia (Gent.) (Caryologia 16, 1963, 445-477, 13 tab., 3 pl., 2 fig., 23 réf.).

Kitamura, S., c.a.: Additions and corrections to Flora of Afghanistan (Add. Rep. of Committee Kyoto Univ. Sci. Exp. Karakoram & Hindukush Kyoto Univ. 8, 1955, 67-154, 4 fig.).
A list.

- Köhler, E.: Die Pollenmorphologie der Biovulaten Euphorbiaceae und ihre Bedeutung für die Taxonomie (Grana Palynologica 6, 1965, 26-120, 2 Abb., 9 Taf.).
75 genera, 231 spp.; suggestions for splitting several genera pairs and merging of others.
- Kostermans, A.J.G.H.: Miscellaneous botanical notes 5 (Bull. Bot. Surv. India 7, 1965, 128-131, 3 pl.).
New spp. in Dehaasia, Lansium, Scaphium, Brownlowia, Burretiodendron, Diplodiscus.
- : Notes on the vegetation of W. Sumbawa (Indonesia) (Symp. Ecol. Res. Humid Trop. Veget. Kuching 1963; UNESCO Sc. Coop. Off. SE. Asia 1965, 15-25, 2 fig.).
Physiographic types and their species.
- : The identity of Hornera Jungh. ("Thymel.") (Reinwardtia 7, 1965, 139-140).
One species is a Neolitsea, the other certainly Laur., but not placed with certainty, possibly Litsea; genus is hence to be discussed; no material is localized.
- : Miscellaneous botanical notes 4. Lauraceae (Reinwardtia 7, 1965, 141-146).
Many critical notes on Laur.; one in Acer, Laurus caesia Reinw. ex Bl. = Acer niveum Bl. = A. laurinum Hassk. = A. caesium (Bl.) Kosterm. comb. nov.; several new names or combinations.
- : A monograph of the genus Parinari Aubl. (Rosaceae-Chrysobalanoideae) in Asia and the Pacific region (Reinwardtia 7, 1965, 147-213, 19 fig.).
20 spp. recognized; Parinari s.l. split into 3 genera: Cylandrophora, Maranthes; Icoa and Licania also recognized; monogr.; key.
- Koyama, H.: Cytotaxonomic studies of Compositae. I. Species problem in Synellesses tagawae (Act. Phytotax. Geobot. 21, 1965, 129-132, 1 fig.).
Also chromosome study.
- : Interrelationships between the tribes Lagenocarpeae and Sclerieae (Cyper.) (Bull. Torr. Bot. Club 92, 1965, 250-265, 22 fig., 1 tab.).
Difference by fruit and anatomy.
- Lange, R.T.: Growth ring characteristics in an arid zone Conifer (Trans. R. Soc. S. Austr. 89, 1965, 133-137, 3 fig., 1 tab.).
The erratic rainfall distribution reflected in growth rings.
- Larsen, K.: Report on the third Thai-Danish Botanical Expedition, June-July 1963 (Nat. Hist. Bull. Siam Soc. 20, 1964, 215-226, 7 fig., map).

- : Studies in the Flora of Thailand. 27. Thismiaceae
(Dansk Bot.Ark. 23, 1965, 171-174, 2 fig.).
A new Thismia.
- : Studies in the Flora of Thailand. 28. Marantaceae
(Dansk Bot.Ark. 23, 1965, 177-182, 2 fig.).
List; 1 new Stachyphrynium.
- : Studies in Zingiberaceae. V. Hedychium - some new
Indo-Chinese taxa (Bot.Tidsskr. 61, 1965, 71-79, 6 fig.).
2 new Hedychiums from Vietnam and 1 new var.
- : Two new Liliaceae from the Khao Yai National Park
(Bot.Notis. 119, 1966, 196-200, 2 fig.).
A new Neolourya and a new Peliosanthes.
- & A.Žertová: The Australian Lotus species (in Fedde,
Rep. 72, 1965, 1-45, 12 fig., 2 tab.).
Both spp. tetraploid. Phylogeny of genus.
- Lecompte, O.: Saxifragaceae (Fl.Camb., Laos & Vietnam pt 4,
1965, 3-55, 6 pl.).
- : Crypteroniaceae (Fl.Camb., Laos & Vietnam pt 4, 1965,
57-61).
- : Droseraceae (Fl.Camb., Laos & Vietnam pt 4, 1965, 63-
74, 1 pl.).
- Lee, A.T.: Xanthorrhoeaceae (Xanthorrhoea and Lomandra) (Contr.
N.S.W.Nat.Herb. Flora ser. no 34, 1966, 1-42, 6 fig., 1
pl.).
- : Notes on Xanthorrhoea in Eastern Australia (Liliac.)
(Contr.N.S.W.Nat.Herb. 4, 1966, 35-54, 7 fig., 5 maps).
- Lee, Shun-Ching: The distribution of woody plant regions of
China (Taiwania 10, 1964, 1-11).
The different systems used to divide China in botanical
provinces. Review of soil and precipitation. System
followed is mainly on climatology in 8 regions. In sum-
mary it is said that vegetation corresponds with preva-
lent floristics.
- Leenhouts, P.W.: Notes on Sapindaceae. II. Tristiropsis (Blu-
mea 13, 1966, 395).
New species from Borneo.
- : A new Strychnos from Borneo (Logan.) (Blumea 14,
1966, 230).
- Leinfellner, W.: Wie sind die Winteraceen-Karpelle tatsächlich
gebaut? I. Die Karpelle von Drimys sect. Tasmannia
(Oest.Bot.Z. 112, 1965, 554-575, 6 Abb.).

- Li, Hui-Lin: A Botanist in Hong Kong (Morris Arbor. Bull. 16, 1965, 55-61, fig. 37-49).
General information.
- Liao, J.-C.: Araliaceae in Formosa. II (Formosan Sci. 19, 1965, 104-113, illustr.).
- Liu, Tang-Shui & Jew-Ming Chao: Revision of the Taiwan species of Lasianthus (Rub.) (Taiwania 10, 1964, 117-149, 16 fig.).
Key to 16 spp.; several are now correlated with Mal. spp. according to synonymy and distribution.
- Lourteig, A.: l'Herbier de Paul Hermann, base du Thesaurus zeylanicus de Johan Burman (Taxon 15, 1966, 23-35).
On original herbarium in books at the Institut de France (Ac.Sc.) Paris given by Delessert; contains types of Linnean spp. Evaluations of each sheet are listed by the modern name. A most useful piece of research.
- Lundell, C.L. & R. Kirkham: A method for applying mystox (laurylpentachlorophenate) to protect mounted herbarium specimens (Wrightia 3, 1966, 177-180, 3 fig.).
Description of a spraying apparatus with a gun on a hose, operated by a man with a mask, at a rate of 750 specimens daily.
- Luong, Ngoc-Toan: Species novae generis Castanopsis spach florum Vietnamensis (Novit. System. Plant. Vascul. 1965, 102-110, 3 fig.).
3 new spp.
- McKee, H.S.: Possibilités phytochimiques des principales familles botaniques en Nouvelle-Calédonie (Colloques Internationaux du Centre National de la Recherche Scientifique 144, 1966, 9-18).
- : Les étapes de la connaissance botanique de la Nouvelle-Calédonie (Colloques Internationaux du Centre National de la Recherche Scientifique 144, 1966, 19-31).
History of research and exploration.
- MacNae, W.: Mangroves in eastern and southern Australia (Aust. J. Bot. 14, 1966, 67-104, 9 fig., 3 pl.).
Both plants and animals have been studied. A zonation is recognized from landside to seashore of 1) Avicennia and Halophytes, 2) Ceriops, 3) Bruguiera, 4) Rhizophora, 5) Avicennia/Sonneratia, their development dependent on interaction of rainfall, evaporation, and inflow of fresh water.
- Maekawa, F.: On the differentiation of the genus Cyrtopodium sensu lato (J. Jap. Bot. 40, 1965, 321-326, 2 fig.).

Evolution hypothesis in relation to geogr. distribution of the 4 genera.

- : Floristic relation of the Andes to eastern Asia with special reference to the Trans-Palaeo-Equatorial Distribution - Botanical report from the 2nd Scientific Expedition of the University of Tokyo to the Andes, 1960 (J.Fac.Sci.Univ.Tokyo 9, 1965, 161-195, 18 fig., 2 tab., 6 pl.).
- Maheshwari, J.K.: Taxonomic studies on Indian Guttiferae. III. The genus *Garcinia* Linn. s.l. (Bull.Bot.Surv.India 6, 1964, 107-135, 4 pl.).
Revision; key to 35 spp.
- : *Alternanthera philoxeroides* (Mart.) Griseb. - A new record for India (Amaranth.) (Bull.Bot.Surv.India 6, 1964, 313-314, 9 fig.).
- : What is *Andropogon esculentum* Kurz? (Gram.) (Taxon 15, 1966, 33-34).
Cymbogon citratus (DC.) Stapf.
- : A new combination in *Clerodendrum* L. (Verb.) (Taxon 15, 1966, 43-44).
Clerodendron fragrans Vent. illeg. = *C. japonicum* (Thunb.) Sweet.
- Majumdar, N.C.: On the Indian Alsinoideae: some new names and new combinations (Caryoph.) (J.Ind.Bot.Soc. 44, 1965, 138-144).
Nomencl. notes on *Stellaria*, *Cerastium*, *Alsine* for Indian flora.
- Mani, M.S.: Key to plant galls from India (Bull.Bot.Surv.India 7, 1965, 89-127, 23 fig., 6 pl.).
Keys within families.
- Manning, W.E.: New combinations and notes in *Engelhardia* (Juglandaceae) of the Old World (Bull.Torr.Bot.Club 93, 1966, 34-52).
The author recognizes the same 5 species as Jacobs did in the Flora Malesiana revision, but goes much further than the latter in recognizing 9 varieties (1 new, 4 new status) and 2 formae (1 new, 1 new comb.). The author expresses some mental reservation about some of his own distinctions. The Flora Malesiana gives concise keys and full descriptions, Manning gives extensive keys and summary descriptions. After the Fl.Mal.revision was concluded, *Engelhardia spicata* was collected in New Guinea, and Jacobs (Dansk Bot.Ark. 23, 1963, 45) withdrew its var. *colebrookeana* as taxonomically untenable. As for *E. zambalensis*, Jacobs already remarked

that if the narrow leaf base were accepted as the key character, it would come under *E.serrata* (where Manning now placed it). *E.mollis* Hu, which Jacobs mentioned but could not place, is by Manning excluded from the family but not further identified. Important is the discovery and description of male flowers in *E.apoensis*. -- M.J.

Manske, R.H.: The genus *Oceanopapaver* (Nature 200, 1963, 1123).
Absence of alkaloids, fumaric acid, both characteristic for Papaveraceae, are lacking which points to affinity with Capparidaceae.

Marchette, N.J.: Notes on the flora of Gunong Jerai (Kedah Peak) (Mal.Nat.J. 19, 1965, 129-137).
History of exploration; some notes on flora and action of tapir on summit; list of species collected.

Markgraf, F.: Die phylogenetische Stellung der Gattung *Davidia* (Verh.Schw.Naturf.Ges. 144, 1964, 124-125).
Allied to Actinidia; not Nyssa or Cornaceae.

----- : Eine neue Gnetum-Art aus Borneo (Blumea 13, 1966, 404).

Marlange, M. & V.M.Meher-Homji: Phytosociological studies in the Pondicherry region (J.Ind.Bot.Soc. 44, 1965, 167-182, 1 map, 3 tab.).
General survey; vegetation types; climate.

Martin, A.R.H.: The plant ecology of the Grahamstown Nature Reserve: II. Some effects of burning (J.S.Afr.Bot. 32, 1966, 1-39, 9 fig., 3 pl., 6 tab.).
An interesting study of value for draught areas.

Matsuoka, M. & M.Hotta: Classification of *Hemerocallis* in Japan and its vicinity (Korea, Ryukyu, Formosa) (Act. Phytotax.Geobot. 22, 1966, 25-43, 1 fig., 2 maps).
Revision; key; 5 spp. and many varieties.

Meher-Homji, V.M.: On the 'Sudano-Deccanian' floral element (J.Bombay Nat.Hist.Soc. 62, 1965, 15-18, 1 map, 1 pl.).
Draught element; rainfall diagram.

Mehra, K.L.: Differentiation of the cultivated and wild Eleusine species (Gram.) (Phyton, Buenos Aires, 20, 1963, 189-198).

Melville, R.: Gynodioecy in New Zealand *Gentiana bellidifolia* Hook.f. (Nature 203, 1964, 203-204, 2 fig.).
The first instance in the family; Melville added a postscript on a similar case in *Ranunculus limosella* F.v.M. and points to the high % of dioecism in the New Zealand and S.Australian floras.

- : Continental drift, mesozoic continents and the migration of the Angiosperms (Nature 211, 1966, 116-120, 3 fig.).
Gondwanaland theory; early landbridge with Laurasia; in Cretaceous S. Pacific landbridge and Glossopteris flora.
- Mendoza, D.R.: The genus Xylosma in the Philippines with one new species (Flacourt.) (Philip. J. Sc. 93, 1964, 511-517, 2 fig.).
Key to 3 spp.
- Menzel, M.Y. & F.D. Wilson: Hybrids and genome relations of Hibiscus sabdariffa, H. meeusei, H. radiatus and H. acetosella (Malvac.) (Amer. J. Bot. 53, 1966, 270-275, 5 tab.).
- *Merxmüller, H.: Prodromus einer Flora von Südwestafrika. 47. Capparaceae. Lehre 1966, 1-16.
The first instalment of a concise Flora of Southwest Africa, planned to be completed in 3 volumes; manuscripts largely ready for printing. Family and generic descriptions and full keys. Under the species are cited synonyms, distribution in the area, collecting numbers, and sometimes critical notes.
- Meyden, R. van der: Two new mountain plants from Eastern New Guinea (Blumea 14, 1966, 245-247, 1 fig.).
Myriophyllum pedunculatum Hook. f. (Halorh.) and *Ammannia uniflora* v.d. Meyden n.sp. (Lythr.).
- Meyer, F.G.: Botanical expedition to Juan Fernandez (Pac. Sc. Assoc. Inform. Bull. Hawaii 18, 1966, 6-7).
A concise report of the end-1965 expedition to Masafuera. Collections amount to 670 fl. pl. nos; 1624 lichens; 228 freshwater algae; 73 marine algae; 100 bryophytes. The Chilean group collected separately; the palm *Juania australis* is closest allied to the Andean *Ceroxylon*; the lichenologist reported that it was surprising to find Magellanean and tropical species to occur side by side.
- Meijer, W.: Forest types in North Borneo and their economic aspects (Kuching UNESCO Symposium 1963, 1965, 88-93).
On sandstone escarpments and swamp forests.
- : A botanical guide to the flora of Mount Kinabalu (Symp. Ecol. Res. Humid Trop. Veget. Kuching 1963; UNESCO Sc. Coop. Off. SE. Asia 1965, 325-364, 1 map, 6 phot.).
- (ed.): Botanical News Bulletin, Forest Department Sandakan. Mimeographed, folio size, sent free on request.
On p. 1333 of this Bulletin, the first three numbers were discussed. The text gives a view on Dr. Meijer's

work in Sabah, and the ideas that spring from it. We selected the following subjects for mentioning. From nr. 4 (June 1965) 40 pp.: Bombacaceae, Anacardiaceae, Elaeocarpus, Tristania, Icacinaceae, Ethnobotanical remarks, Climbing plants. A first list of these contains 154 genera, mostly very badly known and in urgent need of study and good collecting: all organs. Nr. 5 (Nov. 1965) 51 pp. + 3 maps: The present state of exploration and conservation of Sabah's flora, region by region; Hazards at the interpretation of aerial photographs; Elementary geology, soil science, and climatology for foresters in Sabah; A review of Fosberg's Manual for Tropical Herbaria (compare it with the one on p. 1285 of this Bull.). Nr. 6 (Dec. 1965) 64 pp.: Parinari, Nauclea and Neonauclea, Eugenia (with notes, keys, enumeration, 73 known and 37 tentative species; specimens cited), Pandanus, and a list of Annonaceae of Sabah, identified by Mr. Sinclair. The Bulletin has also assumed the character of a progress report on the work of the Forest Department.

* Mien, Cay-Co: Nam Vietnam. A flora of South Vietnam. 803 pp., 275 pl., each 6 fig.

In Vietnamese. In future a French edition will be prepared and printed.

Mizushima, M.: Critical studies on Japanese plants. 11. The genus Pseudostellaria Pax in Japan (Caryoph.) (Bull. Bot. Surv. India 7, 1965, 62-72, 5 pl.).
Monograph; key.

----- : A conspectus of the genus Stellaria in Japan. II (J. Jap. Bot. 40, 1965, 250-256).

Mok, S.T.: A note on the forest resources of Mersing District (Malaya) (Mal. For. 29, 1966, 102-105, 1 tab., 1 map).

----- : A note on the forest resources of South Pekan District (Malaya) (Mal. For. 29, 1966, 106-111, 2 tab., 1 map).

Moldenke, H.N.: Additional material towards a monograph of the genus Callicarpa. I (Phytologia 13, 1966, 433-446).
Herbaria consulted; bibliogr. & synonymy of Callicarpa; enum. of a few spp.; delimitation against Geunsia is only faintly indicated.

----- : Additional materials toward a monograph of the genus Callicarpa. II (Phytologia 13, 1966, 466-506).
Species listed to C. arborea Roxb.

Molesworth-Allen, B.: Interesting jungle plants (Mal. Nat. J. 19, 1966, 303-304).

Interesting notes on Tupistra grandis Ridl. (Liliac.)

- Moore Jr, H.E.: An annotated checklist of cultivated palms
(Principes 7, 1963, 119-182).
- : Palm hunting around the world. III. Sabah and Australia
(Principes 9, 1965, 138-152, fig. 125-148).
- : Palm hunting around the world. IV. Lord Howe Island
(Principes 10, 1966, 13-21, 15 fig.).
- : Palm hunting around the world. V. New Guinea to the New Hebrides
(Principes 10, 1966, 64-85, 29 phot.).
- : Nomenclatural notes on the cultivated conifers (Baileya 14, 1966, 1-11).
Synonymy of *Agathis dammara* (Lamb.) Rich. and *Araucaria columnaris* (G. Forst.) Hook. and many others.
- : New palms from the Pacific (Principes 10, 1966, 85-99, 7 phot.).
Cyrtostachys from Papua; *Paragulubia* reduced to *Gulubia*; a new *Physokentia* from Fiji; a *Rehderophoenix* and a *Rhopaloblaste* from the Solomons.
- Moore, L.B.: Australasian Asteliads (Liliac.) (New Zeal. J. Bot. 4, 1966, 201-240, 17 fig.).
Key; descr.
- Morton, C.V. & W.L. Stern: The United States National Herbarium
(Plant Sci. Bull. 12, 1966, 1-4).
Review.
- Mukerjee, S.K.: A sketch of the vegetation of Jalpaiguri District of West Bengal (Bull. Bot. Surv. India 7, 1965, 134-137, 1 tab.).
Ecology and meteorology.
- Muller, J.: Palynological study of Holocene peat in Sarawak
(Symp. Ecol. Res. Humid Trop. Veget. Kuching 1963; UNESCO Sc. Coop. Off. SE. Asia 1965, 147-156, 1 fig.).
Peat succession studied is 4000 years old.
- : Montane pollen from the Tertiary of NW. Borneo (Blumea 14, 1966, 231-235).
Various types of conifers (*Podocarpus*, *Phyllocladus*, *Pinus*, *Picea*, *Tsuga*), *Ephedra*, *Alnus*, only the first two occur in the recent flora.
- Munir, Ahmad Abid: A revision of *Congea* (Verben.) (Gard. Bull. Sing. 21, 1966, 259-314, fig. 1-10a, 6 maps).
Full monograph with key, descr., plates; in all 10 spp. recognized; distr. maps given.
- : A revision of *Sphenodesme* (Verben.) (Bull. Gard. Sing. 21, 1966, 315-378, 18 pl., 5 maps).
Full monograph; key; descr.; plates; maps of distr.; 14 spp. and some varieties recognized.

- Murty, Y.S. & V. Singh: The identity of *Cyathula capitata* Moq. (Amaranth.) (Curr.Sci. 33, 1964, 343).
Not conspecific with *C. tomentosa*.
- Naik, V.N.: A note on Hydrocharitaceae of Assam and Nefra (Bull. Bot. Surv. India 6, 1964, 301-303).
List.
- Nair, N.C.: Some plant records for Lahul and Spiti (Bull. Bot. Surv. India 6, 1964, 151-153, 2 fig.).
- : On a botanical tour to Lahul and Spiti (Punjab Himalayas) (Bull. Bot. Surv. India 6, 1964, 219-235).
List.
- : A new species of *Gentiana* from north-western Himalayas (Bull. Bot. Surv. India 6, 1964, 295-296, 7 fig.).
- & V.J. Nair: Some new plant records for the Punjab Plains. III (Bull. Bot. Surv. India 6, 1964, 299-300).
- * Nakao, S.: Living Himalayan flowers. Mainichi Newspapers, Tokyo, 1964, ii + 194 pp., text illustr., 253 col. bot. pl.).
Parallel English and Japanese text.
- Narayana, L.L. & D. Rao: Floral morphology of Linaceae (J. Jap. Bot. 41, 1966, 1-10, 47 fig.).
- Nayar, M.P.: Contributions to the knowledge of Indo-Malaysian and other Asiatic Melastomataceae (Kew Bull. 20, 1966, 155-161, 235-244).
Dalenia; *Neodissochaeta*; *Clidemia*; synopsis with keys of *Hederella*, *Triuranthera*, and notes on some *Medinilla*s.
- Ng, F.S.P.: A guide to the Arboreta at Kepong and Changlun (Mal. For. 28, 1965, 289-306, map).
Catalogue with list of names and location of species.
- : In search of *Combretocarpus* (Rhizoph.) (Mal. For. 29, 1966, 32-33, 1 fig.).
Found in Johore peat swamp forest, Ayer Hitam South For. Res.; occupied $\pm$ 30% of the big trees in the Reserve.
- Ngan, Phung Trung: A revision of the genus *Wrightia* (Apocyn.) (Ann. Mo. Bot. Gard. 52, 1965, 114-175, 14 fig.).
15 spp. recognized; key; descr.; 2 new spp.; several new comb.
- Nicholson, D.I.: A study of virgin forest near Sandakan North Borneo (Symp. Ecol. Res. Humid Trop. Veget. Kuching 1963; UNESCO Sc. Coop. Off. SE. Asia 1965, 67-87, 1 fig., 12 tab.).
Structure; ages of trees; increment by size distribution.

- Nilsson, O.: Studies in Montia L. and Claytonia L. and allied genera (Portul.) (Bot. Notis. 119, 1966, 265-285, 6 fig. 1 tab.).
A new genus Paxia Ö.Nills. (Portul.) from S. Australia and New Zealand, formerly under Claytonia or Montia.
- Ohashi, H.: Notes on some species of Desmodium and Codariocalyx from Himalaya (1) (Papil.-Legum.) (J. Jap. Bot. 40, 1965, 363-369, 3 fig.).
1 new sp.; 1 new comb. in Codariocalyx; 1 record.
- Pal, B.P.: Artificial synthesis of naturally-occurring plant species - it's bearing on plant taxonomy (Bull. Bot. Surv. India 7, 1965, 15-20, 3 pl.).
Polyploids and specific concepts in grasses.
- Pal, M.: Chromosome numbers in some Indian angiosperms. I (Proc. Indian Acad. Sci. 60B, 1964, 347-350).
- Pancho, J.V.: Chromosome numbers in Ficus (Morac.) (Taxon 15, 1966, 156-159).
Very many Malesian spp. all $2n = 26$.
- Panigrahi, G., S. Chowdhury, D.C.S. Raju & G.K. Deka: A contribution to the botany of Orissa (Bull. Bot. Surv. India 6, 1964, 237-266, 2 fig.).
Forest types; ecology; plant list.
- & R.V. Kammathy: Studies in the taxonomy and cytology of certain species of Aneilema sensu lato in Eastern India (Commel.) (Proc. Nat. Acad. Sci. India 33B, 1963, 491-506, fig. 1-15, tab. 1).
After a short introduction discussing the identity of Aneilema R.Br. and Murdannia Royle, the authors divide their paper into three sections. The first section deals with the nomenclature of species of Murdannia and Aneilema; a new comb. is made, Murdannia nudiflora var. terminalis (Bl.) Panigr. comb. nov. (based on Tradescantia terminalis Bl.). Section 2 deals with the cytology of various species: Murdannia divergens Brück. $n=30$; M. elata Brück. $n=21$; M. spirata Brück. $n=20$; M. triquetra Brück. $2n=40$; M. nudiflora Brenan $n=10$; M. nudiflora var. terminalis Panigr. is characterised by aneuploidy with $2n=39$; M. simplex Brenan $n=40$; M. gigantea Brück. $n=11$. Section 3 is discussion on morphology and cytology.
- & -----: Cytogenetical evolution in Aneilema sensu lato in Eastern India (Commel.) (Mem. Ind. Bot. Soc. 4, 1963, 90-98, 1 fig., 1 tab.).
- Pant, D.D. & R. Banerji: Ontogeny of stomata and hairs in some Cucurbits and allied plants (J. Ind. Bot. Soc. 44, 1965, 191-197, 26 fig.).
In stomatal development similar to Caricaceae.

- Parks, C.R.: Floral pigmentation studies in the genus Gossypium. II. Chemotaxonomic analysis of diploid Gossypium species (Malv.) (Amer.J.Bot. 52, 1965, 849-856, 5 tab.). Chromatographic study; pigments do not support more than 1 section in New World diploids.
- Paijmans, K.: Typing of tropical vegetation by aerial photographs and field sampling in Northern Papua (Photogrammetria 21, 1966, 1-25, 10 fig., 1 tab.).
- Philipson, W.R.: Habit in relation to age in New Zealand trees (J.Ind.Bot.Soc. 42A, 1963, 167-179, 1 pl., 1 tab.).
- : The New Zealand genera of the Araliaceae (New Zeal.J. Bot. 3, 1965, 333-341, 2 tab.).
Key to 4 genera; new comb. under Pseudopanax which ranges from China to New Caledonia, Tasmania, New Zealand and Chile.
- Phipps, J.B.: Studies in the Arundinelleae (Gramineae). III. Check-list and key to genera (Kirkia 5, 1966, 235-258). 22 genera; key to genera; infrageneric division; of Arundinella 161 spp. listed.
- Piggott, C.J.: Notes on some of the Seychelles Islands, Indian Ocean (Atoll Res.Bull. no 83, 1961, 10 pp.).
General view; 17 references; see also this Bulletin p. 883.
- Pócs, T.: Analyse aire-géographique et écologique de la flore du Vietnam Nord (Act.Acad.Paedag.Agricensis 3, 1965, 395-452, 8 fig.).
Floristic division; elements of the flora; 23½ % endemic, 25 % Indo-Malayan, 16.3 % subendemic-Chinese.
- , Eger, Nguyễn Dang Khôi & Nguyễn Anh Tiep: Melastomacées nouvelles du Viet-Nam Nord (Ann.Hist.-Nat.Mus. Nat.Hung. 57, 1965, 165-168, 2 fig.).
A new Medinilla (descr. after fr.mat.!) and a Melastoma based upon material coll. by the first author during an expedition in 1963.
- Polhill, R.M.: Flora of Tropical East Africa. Ulmaceae. 1966, 1-14, 4 fig.
- Pook, E.W. & C.W.E. Moore: The influence of aspect on the composition and structure of dry sclerophyll forest on Black Mountain, Canberra, A.C.T. (Austr.J.Bot. 14, 1966, 223-242, 11 fig., 3 tab.).
- Pradhan, Y.D. & Y. Satyanarayan: The vegetation of Manori and Madh Islands in Bombay (J.Bombay Nat.Hist.Soc. 62, 1965, 32-37).
Records.

- Prasad, S.S.: Pollen grain morphology of certain Malvaceae (J. Indian Bot. Soc. 42, 1963, 463-468, tab. 1).
The structure of pollen grains in the family Malvaceae seems to be rather uniform, although there are some common generic characters of pollen grains especially in Hibiscus and Sida; but on the basis of morphological pollen analysis, it does not seem possible to correlate genera within individual tribes of the family.
- Przybylski, T.: Wyprawa botaniczno-leśna do Wietnamu (Botanical Expedition in Vietnam) (Arbor. Kórnickie 10, 1965, 279-288, 9 phot.).
Obviously a general report.
- Pijl, L. van der: Pollination mechanisms in Orchids (Reproduct. Biol. & Taxon. Vasc. Pl. London, 1966, 61-76, fig. 5, tab. 3).
- Quisumbing, E.: Orchid hunting in Borneo (Araneta J. Agric. II. 2, 1964, 76-78).
- : The vegetation of Batan and Babuyan Islands (Symp. Ecol. Res. Humid Trop. Veget. Kuching 1963; UNESCO Sc. Coop. Off. SE. Asia 1965, 31-38).
Endemic and seashore species.
- Qureshi, I.M.: Tropical rain forests of India and their silvicultural and ecological aspects (Symp. Ecol. Res. Humid Trop. Veget. Kuching 1963; UNESCO Sc. Coop. Off. SE. Asia 1965, 120-136).
- *Raffles, T.S.: The history of Java, with an introduction by J. Bastin. Oxford Univ. Press repr. 1965. Vol. I (1817) xlviii + 479 pp., 9 col. pl., 1 map; Vol. II (1817) viii + 288 + ccix pp., 1 col. pl., and 67 half tone pl. in all.
A magnificent facsimile reprint of this formerly rare book, which gives a cultural history of Java.
- Raghavan, R.S.: A note on Chilocarpus malabaricus Bedd. (Apoc.) (Bull. Bot. Surv. India 6, 1964, 309-310, 2 fig.).
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Vegetation; plant list.
- Ramamurthy, K. & J. Joseph: A new species of Dicraea from South India (Bull. Bot. Surv. India 6, 1964, 333-334, 6 fig.).

- & K.M. Sebastine: A new variety of *Geniosporum prostratum* from Madras State (Lab.) (Bull. Bot. Surv. India 6, 1964, 325-326, 8 fig.).
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Diploid and tetraploid cultivar.
- Rao, A.R.: The Podocarpaceae in India (Mem. Ind. Bot. Soc. 4, 1963, 150-157, 1 tab.).
Podocarpus is the only surviving member of the indigenous conifer vegetation that India supported during the Mesozoic.
- Rao, A.S. & A.R. Sastry: An account of the flowering plants of Indore District in Madhya Pradesh (Bull. Bot. Surv. India 6, 1964, 267-286, 1 map).
Vegetation; plant list.
- Rao, C. Venkata: Studies in the Proteaceae. V. Evolution of the inflorescence (J. Ind. Bot. Soc. 44, 1965, 244-270, 98 fig., 1 pl.).
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Recorded for the first time from India: *Beccarindia cordifolia* Burtt, *Dioscorea scortechinii* Prain et Burk. *Leptaspis urceolata* R.Br., *Coelogyne carnea* Hook.f., *Phacellaria compressa* Benth. All from Assam; *Leptaspis* from South India.
- : *Commelina undulata* R.Br. (Not. R. Bot. Gard. Edinb. 26, 1965, 351-352).
Synonymy of this species which ranges from Africa and India to Australia.
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- & R.V. Kammathy: Notes on Indian Commelinaceae. V (J. Linn. Soc. Bot. 59, 1966, 305-308, 6 fig.).
Amischophacelus, a new name for *Zygomenes*, incl. also *Cyanotis axillaris* as one of its spp.; descr. of a new *Cyanotis* from India.

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- & K.R.Aggarwal: Ecological studies of Saurashtra coast and neighbouring islands: I. Diu island (Bull.Bot.Surv.India 6, 1964, 173-183, 5 tab.). Largely vegetation relevés; followed by a plant list.
- Rau, M.A.: A visit to the valley of flowers and Lake Hemkund in North Garhwal, U.P. (Bull.Bot.Surv.India 6, 1964, 169-171, 5 fig.). Succinct note on vegetation and some particular plants.
- Raymond, M.: Studies in the Flora of Thailand. 34. The genus Carex (Cyper.) (Dansk Bot.Ark. 23, 1965, 247-262, 1 fig.). Key; spp. listed, 1 new.
- : Cyperaceae novae vel criticae. IV. Some Cyperaceae from the Karakoram Range (Kashmir) (Le Naturaliste Canadien 92, 1965, 76-80). Carex and Kobresia; a list.
- Raynal, A.: Onograceae (Fl.de Cameroun 5, 1966, 87-128, fig. 16-22).
- : Haloragidaceae (Fl.de Cameroun 5, 1966, 129-138, fig. 23-24).
- Reid, J.A.: A rare parasitic plant (Mal.Nat.J. 19, 1965, 237-238). Field notes and localities of Aeginetia pedunculata Wall. and Christisonia scortechinii in Malaya.
- Richards, P.W.: Soil conditions in some Bornean lowland plant communities (Symp.Ecol.Res.Humid Trop.Veget.Kuching 1963; UNESCO Sc.Coop.Off.SE.Asia 1965, 198-205, 3 tab.). Poverty in P, K, and Ca.
- Rizzini, C.T.: Experimental studies on seedling development of Cerrado woody plants (Ann.Mo.Bot.Gard. 52, 1965, 410-426, 7 fig., 3 tab.).
- Roekmowati-Hartono: A monograph of the genus Schoutenia Korth. (Tiliac.) (Reinwardtia 7, 1965, 91-138, 8 fig., 2 pl.). 8 spp. recognized; key; descr.; 3 new spp., several others reduced; 2 new sections, several new sspp.
- Rosso, S.W.: The vegetative anatomy of the Cypripedioideae (Orch.) (J.Linn.Soc.Bot. 59, 1966, 309-341, 4 fig., 5 pl., 15 tab.).

- Roy, R.P. & R.P. Jha: Cytological studies in Lecythidaceae. II
(J. Ind. Bot. Soc. 44, 1965, 211-217, 3 fig., 1 pl.).
Chromosomes of 2 spp.
- & -----: Cytological studies in Dipterocarpaceae. I
(J. Ind. Bot. Soc. 44, 1965, 387-397, 10 fig., 2 pl.).
Dipterocarpus alatus and *Vatica grandiflora* $2n=22$;
Hopea robusta, *Shorea robusta*, *Sh. talura* $2n=14$.
- Röyén, P. van: Studies in the Flora of Thailand. 29. Podostemo-
naceae (Dansk Bot. Ark. 23, 1965, 185).
5 spp. listed.
- : A new species of Lobelia L. from New Guinea (Campan.)
(Kew Bull. 20, 1966, 305-308, 1 fig.).
- , c.s.: Manual of the forest trees of Papua and New
Guinea. Part 9. Apocynaceae (1966, 1-52, 23 fig.).
Keys to genera and species.
- Rudolph, R.C.: Illustrations from Weinmann's "Phytanthoza
iconographia" in Iwasaki's "Honzo zufu" (Huntia 2,
1965, 1-28, 10 fig.).
- St. John, H.: Hawaiian plant studies 26. The identity of Sene-
cio capillaris Gaudichaud (Comp.) (Ann. Mo. Bot. Gard. 52,
1965, 432-433).
= *Tetramolopium capillare*; one reduction.
- : La distribution mondiale du genre Pandanus (Pand.)
(Adansonia 5, 1965, 307-308, 2 maps).
2 dotted maps (World; Pacific).
- : Revision of Capparis spinosa and its African, Asiatic
and Pacific relatives (Micronesica 2, 1965, 25-44, 2
phot., 2 maps, col. phot.).
Besides *C. spinosa* and *C. cartilaginea*, 3 spp. are recog-
nized in Malesia and the Pacific, mainly on quantita-
tive and phenological differences. Degener's var. *zoharyi*
of *C. sandwichiana* is upheld. Keys, descr., typifi-
cation, specimens. The writer's opinions differ con-
siderably from those of Jacobs, whose paper in *Blumea*
13 (see p. 416-423) appeared simultaneously with his,
which leaves the African, European and W. Asian plants
out of critical consideration. Unfortunately Dr. St. John
did not discuss his plans nor his opinions with Jacobs
when he was at the Rijksherbarium in Nov. 1963. -- M.J.
- *-----: Monograph of Cyrtandra (Gesner.) on Oahu, Hawaiian
Islands (1966, 1-465, 195 fig.).
133 species and hybrids; keys and descriptions.
- Sampath, S. & M.D. Subramanyam: A new form of Oryza from China
(Gram.) (Curr. Sci. 35, 1966, 278-279, 2 fig.).

- Sandrasegaran, K.: A note on the growth of Melaleuca leucadendron L. (gelam) (Mal. For. 29, 1966, 21-25, 2 fig., 1 tab.).
- Sant, H.R.: Ecological studies and experiments in Evolvulus nummularius Linn. with special reference to reproductive capacity in relation to grazing (Conv.) (J. Ind. Bot. Soc. 44, 1965, 58-68, 10 tab.).
- Santapau, H.: The Indian Botanic Garden in the first 175 years (Bull. Bot. Surv. India 7, 1965, ii-vii, 1 phot.).
- & Y. Merchant: A new species of Oldenlandia from the western ghats of India (J. Ind. Bot. Soc. 42A, 1963, 213-215, 6 fig.).
- & G.L. Shah: Further contributions to the botany of Dangs Forest, Gujarat (J. Bombay Nat. Hist. Soc. 62, 1965, 201-210).
Additional plant list.
- Satake, Y. & E. Ito: Taxonomic study of the Japanese Viola. 2. Chasmogamous flowers of the stemless group (Violac.) (Bull. Nat. Sc. Mus. Tokyo 8, 1965, 219-237, 22 fig., 5 pl.).
In Japanese, with summary in English. Mostly cleistogamous flowers, hence self-pollination.
- * Schmid, M.: Contribution à la connaissance de la végétation du Sud Vietnam, le massif sudannamitique et les régions limitrophes. Thèse, Paris, 1962, 420 pp., tab., 15 pl., 8 pp. réf. ronéo.
- Seidenfaden, G.: Bulbophyllum dhaninivatii n.sp. A new orchid from Thailand (Félicitation vol. SE. Asian studies 1, 1965, 153-155, 1 fig.).
- : On a small collection of orchids from Laos (Nat. Hist. Bull. Siam Soc. 21, 1966, 63-67, 1 fig.).
List incl. one new sp., Pteroceras laotica Seid.
- & T. Smitinand: The Orchids of Thailand, a preliminary list. Part IV, 2 (Siam Soc. 1965, 647-870, fig. 486-623, col. pl., pl. 30-41).
Conclusion of this magnificent work.
- Sen, J. & J.N. Naskar: Non-herbaceous Phanerogams of the Indian Botanic Garden, Calcutta (Bull. Bot. Surv. India 7, 1965, 31-61).
Important catalogue.
- Sevastopulo, D.G.: Fruiting of Plumeria (Apoc.) (J. Bombay Nat. Hist. Soc. 62, 1965, 176).

Shah, G.L. & J.A. Inamdar: Further contribution to the Flora of Pavagadh Hill near Baroda, Gujarat (J. Bombay Nat. Hist. Soc. 62, 1965, 279-284).
Plant list.

Shan, Ren-Hwa & Shou-Lu Liou: On the Chinese species of Hydrocotyle L. (Umb.) (Act. Phytotax. Sin. 9, 1964, 134, pl. 8).
Revision with key.

Shankarnarayan, K.A., A. Cherian & Y.D. Gaur: Ecology of dune vegetation at Osian (Rajasthan) (J. Ind. Bot. Soc. 44, 1965, 37-50, 1 fig., 9 tab.).
Ecology and vegetation.

Sharma, S.D. & S.V.S. Shastri: Taxonomic studies in genus Oryza L. II. Some nomenclatural confusions (Gram.) (Bull. Bot. Surv. India 6, 1964, 211-218, 1 pl.).

Sharma, V.S.: Description of Tephrosia collina sp. nov. and two new varieties (Legum.) (J. Bombay Nat. Hist. Soc. 60, 1963 (April 1964), 754-759, tab. 1).

Shaw, H.K. Airy: Diagnoses of new families, new names, etc. for the 7th edition of Willis's Dictionary (Kew Bull. 18, 1965, 249-273).

Mainly descr. of 23 new, largely monogeneric families, based on genera which are either marginal in their family or were of doubtful assignment. For Indo-Pacific the following are bearing: Alseuosmiaceae (Alseuosmia, Memecylanthus, Periomphale), Bischofiaceae (Bischofia), Blepharocaryaceae (Blepharocarya), Cleomaceae (Cleomoidae), Emblingiaceae (Emblingia), Flindersiaceae (Flindersia), Hanguanaceae, Hymenocardiaceae (Hymenocardia), Kingdoniaceae (Kingdonia), Oncothecaceae (Oncotheca), Paracryphiaceae (Paracryphia), Plagiopteraceae (Plagiopteron), Sladeniaceae (Sladenia), Tetramelaceae (Tetramelos, Octomeles), Triplostegiaceae (Triplostegia). Further for Chaetostachys Val. (Rub.) non Bth. in Wall. a new name: Chaetostachydium. Though in several cases there might be indeed the necessity of a new family, I principally disagree with the way of arguing by Shaw: for example he says under Cleomaceae after having pointed out their "almost exactly intermediate position between Capp.-Capparoidae and Cruc.-Stanleyae": "when the falsely-septate fruit of Cleomoidae is taken into consideration most of the features distinguishing Capparidaceae (sens. lat.) from Cruciferae are found to have vanished. The Cleomaceae are a logical necessity." I fail to see the logical necessity; the only systematical logics would be to merge Cruciferae with Capparidaceae which might be deplored but would be in agreement with the basic principle that

what cannot be separated must be united. What Shaw creates now is three unseparable families. No necessity I see either for Flindersiaceae, for Tetramelaceae, and especially Triplostegiaceae which are definitely Dipsacaceae. In many cases additional data should have been produced (chemotaxonomical, palynological) to sustain this revolutionary management in devaluating in places current values. -- v.St.

----- : The type species of the genus Procris Comm. (Urtic.)
(Taxon 16, 1966, 164-165).

----- : Notes on Malaysian and other Asiatic Euphorbiaceae
(Kew Bull. 20, 1966, 25-50).
An important array of novelties, including a few from Queensland and Siam.

Sheriff, A. & M. Nagaraj: A note on the karyomorphology of
Limnophyton obtusifolium Miq. (Hydroch.) (Curr. Sci. 35,
1966, 19-20, 1 fig.).

Shimizu, T.: Taxonomical notes on the genus Filipendula Adans.
(Rosac.) (J. Fac. Text. Techn. Shinshu Univ. 26A (10),
1961, 1-31, 2 pl., illustr.).

----- : A taxonomic and cytological note on Adenophora of
Taiwan (Campan.) (J. Jap. Bot. 40, 1965, 372-377, 1 fig.).
Key to 3 spp.; 2 chromosome counts.

Shindo, K. & H. Kamemoto: Chromosome relationships of Aerides
and allied genera (Orch.) (Amer. Orch. Soc. Bull. 32,
1963, 922-926, 9 fig., 3 tab., 1 diagram).
The chromosome number $2n = 38$ was the same for all spp. and hybrids studied, viz *A. odoratum*, *A. lawrenceae*, *A. odoratum* x *Rhynchostylis gigantea*, *A. lawrenceae* x *Renanthera storiei*, *A. odoratum* x *Arachnis maingayi*. *A. odoratum* and *A. lawrenceae* showed regular meiosis, but not the hybrids.

Shinners, L. H.: New varietal names for New World Ludwigia
(Onagr.) (Sida 1, 1964, 385-386).
L. octovalvis (Jacq.) Raven var. *macropoda* (Presl) comb. nov. (*Jussieua* m., 1835) and var. *sessiliflora* (Micheli) comb. nov. (*J. octonervia* f.s., 1875); *L. peploides* (H. B. K.) Raven var. *glabrescens* (Kze) comb. nov. (*J. repens* var. g., 1891) and var. *montevidensis* (Sprengel) comb. nov. (*J. montevidensis*, 1825).

Sing-Chu: A primitive new orchid genus Tangtsinia and its
meaning in phylogeny (Act. Phytotax. Sin. 10, 1965, 193-
207, illustr.).

- Singh, Dalbir: Ovule and seed of Dicoelospermum C.B. Clarke together with a note on its systematic position (Cucurb.) (J. Ind. Bot. Soc. 44, 1965, 183-190, 19 fig.).
Misplaced; should be next to Melothria.
- Singh, J.S. & K. Mitra: Ecological observations along the river banks at Allahabad, U.P. (Bull. Bot. Surv. India 6, 1964, 137-140, 1 tab.).
Weeds; 63 spp. listed.
- Singh, N.P.: Two new distributional records for U.P. plains (Bull. Bot. Surv. India 6, 1964, 305, 6 fig.).
- Singh, R.P.: Structure and development of seeds in Codiaeum variegatum Bl. (Euph.) (J. Ind. Bot. Soc. 44, 1965, 205-210, 13 fig.).
- Sleumer, H.: The role of Ericaceae in the tropical montane and subalpine forest vegetation of Malaysia (Symp. Ecol. Res. Humid Trop. Veget. Kuching 1963; UNESCO Sc. Coop. Off. SE. Asia 1965, 179-184).
- Smitinand, T.: The vegetation of Doi Chiengdao. A limestone massive in Chiangmai, North Thailand (Symp. Ecol. Res. Humid Trop. Veget. 1963; UNESCO Sc. Coop. Off. SE. Asia 1965, 39-48, 1 fig., 1 tab.).
Descr. of forest structure and lists of species.
- : The vegetation of Doi Chiengdao, a limestone massive in Chiangmai, North Thailand (Nat. Hist. Bull. Siam Soc. 21, 1966, 93-128, 2 fig., map, 4 phot.).
Situating at 19°24' N, alt. 2200 m. Vegetation belts; summit zone is bare rock and has a lot of temperate plant genera. List of all plants hitherto recorded.
- *----- & W.R. Scheible: Annex to survival manual for Thailand and adjacent areas 66-014. 1966, i-xi + 252 pp., 72 fig.
Foodplants, animal foods, poisonous plants, also for animals.
- Smythies, B.E.: The distribution and ecology of Pitcher-plants (Nepenthes) in Sarawak (Symp. Ecol. Res. Humid Trop. Veget. 1963; UNESCO Sc. Coop. Off. SE. Asia 1965, 170-178).
- *----- : Common Sarawak trees (Borneo Literature Bureau, 1965, viii + 153 pp., incl. 43 full page phot.; paper cover).
"This booklet is only intended to be a stop-gap publication. Dr. Ashton will be working on a manual of non-dipterocarp timber trees for Sarawak but it is unlikely that this can be published before 1969 at the earliest. Meanwhile the present booklet may serve as a peg on which to hang further information, and also as a field guide to inventory parties and students of the Forest

School. It has been compiled by the Conservator (who is responsible for all errors and defects that may come to light) assisted by Dr. Ashton." (from the Introduction). Some generic and specific keys. Assorted remarks. References mainly to Corner's Wayside Trees. The photographs, most of them of trunks, surprisingly good. -- M.J.

Soegeng Reksodihardjo, W.: A new species of Durio from Burma (Bombac.) (Reinwardtia 7, 1965, 215-217, 1 fig.).
New sp. from Tavoy.

Soejarto, D.D.: Baccaurea and its uses (Euph.) (Bot. Mus. Leaflet 21, 1965, 65-104, pl. 9-15).
4 edible spp.; 20 timbers.

Soepadmo, E.: Five new species of Quercus L. subgen. Cyclobalanopsis (Oersted) A. Camus from Malesia (Fagac.) (Gard. Bull. Sing. 21, 1966, 379-392, 5 fig.).
3 spp. from Borneo, 2 spp. from Sumatra.

Soerjowinoto, M.: An Arachnis-Cattleya hybrid (Orch.) (Amer. Orch. Soc. Bull. 32, 1963, 699).
Sympodial-monopodial inflorescence parentage hybrid plants were obtained with the following taxa: Arachnis hookeriana crossed with the following: Cattleya mantinii; Arundina bambusaefolia; Vanda insignis; V. teres alba; V. james storiei.

Solymosy, S.L.: Limnophila indica (R.Br.) Druce (Scroph.) in Louisiana (Sida 2, 1965, 175).
Introduced in America.

Specht, R.L. & R.H. Groves: A comparison of the phosphorus nutrition of Australian heath plants and introduced economic plants (Austr. J. Bot. 14, 1966, 201-221, 5 fig., 3 tab.).

Sreemadhavan, C.P.: Bremekampia - a new generic name (Acanth.) (Bull. Bot. Surv. India 6, 1964, 323-324).
A new name for "Haplanthus Nees"; gen. diagn.; 4 comb.

Srivastava, P.B.L.: Indicator species for sal (Shorea robusta) natural regeneration (J. Ind. Bot. Soc. 44, 1965, 231-243, 3 tab.).
Forest composition; types.

*Steele, A.R.: Flowers for the king. The expedition of Ruiz and Pavon and the Flora of Peru (Durham, 1965, xv + 378 pp. + few phot. and maps. Duke Univ. Press).
The story of Ruiz & Pavon's fascinating adventure for ten years in Peru and Chile, from the days of their specimen collecting in commission of the Spanish Government to the years of frustration and disappointment

after their return to Spain. This is a book of cultural history, in which botany plays a predominant part. Expertly and entertainingly written, fully annotated, finely executed.

Steenis, C.G.G.J. van: Nature and purpose of botanical classification from the standpoint of the producer, particularly with respect to tropical plants (Bull. Bot. Surv. India 7, 1965, 8-14).

General essay about the doubtful merits of upgrading and segregation and the underlying principles.

-----: A new record of Schnabelia oligophylla H.-M. (Verben.) from Southern China (Ann. Mo. Bot. Gard. 52, 1965, 469-471, 1 fig.).

-----: The systematic position of the East Malesian genus Hollrungia K.Sch. within the Passifloraceae (Act. Bot. Neerl. 15, 1966, 40-44, 7 fig.).

Aff. Adenia; key to 3 genera; provis. key to 3 unnamed taxa in Hollrungia.

-----: Man and Plants in the tropics: an appeal to Micronesians for the preservation of nature (Micronesica 2, 1965, 61-65).

Stephens, S.G.: Native Hawaiian cotton (Gossypium tomentosum Nutt.) (Malv.) (Pac. Sci. 18, 1964, 385-398, 4 fig., 2 tab.).

Detail study of variability; hybridizes with G. barbadense.

*Stewart, R.R.: The Flora of Rawalpindi District, West Pakistan (Publication is a collated reprint of two articles in Pakistan Journal of Botany, Oct. 1957, Jan. 1958, with card cover. Index is added. Renumbered pages i-x + 1-163).

Stone, B.C.: Note on the type species of Polyscias Forst. (Aral.) (Taxon 14, 1965, 281-285).

P. pinnata from Tanna I. (New Hebrides); definition of P. scutellaria; distinction of Polyscias and Tieghemapanax; some new comb. in Polyscias.

-----: Further additions to the Flora of Guam (Micronesica 2, 1965, 47-50, 2 fig.).

Various records; new comb. in Tabernaemontana.

-----: Notes on Polyscias (Aral.) from Micronesia (Micronesica 2, 1965, 51-59, 4 fig., 1 tab.).

Key to 6 spp. of Micronesia.

-----: The genus Freycinetia (Pandanus) in Fiji, Tonga, and Samoa (Proc. Biol. Soc. Washington 78, 1965, 81-92).

Key and descr. to 10 spp.

- : On the purposes of a university herbarium (The Malay-
an Scientist 2, 1965-66, 23-26).
- : Pandanus Stickm. in the Malayan Peninsula, Singapore,
and Lower Thailand (Pandanus.) (Mal.Nat.J. 19, 1965, 203-
213, 4 fig., 1 phot.).
Morph. biol. & structure of the genus; key to subgenera
and sections in Malaya.
- : Ditto (Mal.Nat.J. 19, 1966, 291-302, 1 fig., pl.33-
38).
Ecology; keys; lists.
- Storey, W.B., H. Kamemoto & K. Shindo: Chromosomes of Vanda spa-
thulata and its hybrids (Orch.) (Amer.Orch.Soc.Bull.
32, 1963, 703-709, 14 fig., 3 tab.).
A hexaploid; hybrids with other spp. are tetraploid.
- Subba Rao, G.V.: Crotalaria sericea Retz. in flora of Assam
(Legum.) (Bull.Bot.Surv.India 6, 1964, 319-320, 1 fig.).
- Subramanyam, K. & M.P. Nayar: A new species of Jatropha from
Madras State (Euph.) (Bull.Bot.Surv.India 6, 1964, 331-
332, 8 fig.).
- Sun, B.S.: A new name for a genus of the family Capparaceae
(Act.Phytotax.Sin. 9, 1964, 100).
Meeboldia P. & H. 1936, non H. Wolff, 1924 = Bosciopsis
B.S. Sun, nom. nov. (Niebuhria variabilis Kurz).
- : New species and varieties of Capparis from China
(Cappar.) (Act.Phytotax.Sin. 9, 1964, 109-116).
Several new species.
- Suzuki, S.: Taxonomical studies on the Bambusaceous genus Sasa
Makino et Shibata. II (Jap.J.Bot. 19, 1965, 99-125).
Keys; many new var.
- Tagawa, H.: A study of the volcanic vegetation in Sakurajima,
Southwest Japan. II. Distributional pattern and succes-
sion (Jap.J.Bot. 19, 1965, 127-148, 16 fig., 5 tab.).
Graphs on succession and composition.
- Tanaka, T.: Hodgson's Citrus classification discussed (Rutac.)
(Bull.Univ.Osaka Prefecture, ser.B, 18, 1966, 25-29).
- : Does Citrus creation repeat ? (A preliminary report)
(Rutac.) (Bull.Univ.Osaka Prefecture, ser.B, 18, 1966,
31-36).
- Tardieu-Blot, M.L.: Hamamelidaceae (Fl.Camb., Laos & Vietnam pt
4, 1965, 75-116, 7 pl.).
- : Haloragaceae (Fl.Camb., Laos & Vietnam pt 4, 1965,
117-130, 1 pl.).

- Tateoka, T.: Notes on some grasses. XVIII. Affinities of the genus *Streblochaete* (Bot. Mag. Tokyo 78, 1965, 289-293, 5 fig.).
- : *Porteresia*, a new genus of Gramineae (Bull. Nat. Sc. Mus. Tokyo 8, 1965, 405-406, 2 fig.).
Based on *Oryza coarctata* Roxb. from India, Burma.
- : Geographical distribution of the genus *Hierochloa* (Gram.) (J. Jap. Bot. 40, 1965, 220-224, 2 maps).
World distr. maps.
- Thothathri, K.: A note on *Chydenanthus excelsus* (Bl.) Miers from the Nicobar Islands (Curr. Sci. 33, 1964, 26-27, fig. 1-4).
It does not occur in Peninsular India.
- : *Sida ovata* Forsk. - A new record for South India (Malv.) (Curr. Sci. 33, 1964, 593-594, fig. 1).
- Thurling, N.: Population differentiation in Australian *Cardamine*. 1. Variation in leaf characters (Crucif.) (Austr. J. Bot. 14, 1966, 167-178, 3 fig., 6 tab.).
No species names mentioned.
- : Ditto. 3. Variation in germination response (Crucif.) (Austr. J. Bot. 14, 1966, 189-194, 1 fig., 3 tab.).
- Tindale, M. D.: New taxa of *Acacia* from Eastern Australia. I (Legum.) (Contr. N.S.W. Nat. Herb. 4, 1966, 19-23).
3 new spp.
- : Notes on *Acacia deanei* (Legum.) (Contr. N.S.W. Nat. Herb. 4, 1966, 55-56).
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VARIA

In fact, when I see a claim from someone to have an early Angiosperm, I have a feeling almost of compassion, based on the statistics of earlier claims. We want early Angiosperms urgently, almost as a thirsty man wants water. And like a thirsty man we are not critical about the quality of the water. Nor should we be. But then we should look again at the evidence as a well-dined man looks at water.

Professor T. U. Harris:
 The origin of Angiosperms
 - Presidential Address
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A man of true science uses but few hard words, and those only when none other will answer his purpose; whereas the smatterer in science thinks that by mouthing hard words he proves that he understands hard things.

"Dr. Cuticle" in Herman Melville's *White Jacket*.