

XVI. BIBLIOGRAPHY

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* Books have been marked with an asterisk.

BRYOPHYTES

- AKIYAMA, H. 1988. *Studies on Leucodon (Leucodontaceae, Musci) and related genera in East Asia III. Notes on the systematic position of Pterogonium*. Acta Phytotax. Geobot. 39: 73–82, 4 fig. — To Isobryales near Anomodon.
- ASAKAWA, Y. 1988. *Chemical evolution of mono- and sesquiterpenoids of liverworts*. J. Hattori Bot. Lab. 64: 97–108, 16 fig.
- BISCHLER, H. 1989. *Marchantia L.: subg. Chlamidium (Nees) Bischl. sect. Papillatae Bischl. sect. nov. en Asie et en Océanie*. Cryptog., Bryol. Lichenol. 10: 61–79, 9 fig, 3 tab. (In French, Engl. summ.). — Marchantia emarginata group, 2 species, 5 sub-species.
- 1988. *Marchantia paleacea Bertol. — Karyotype analysis*. Beih. Nova Hedw. 90 (1988) 95–100, 2 fig, 1 tab.
- 1988. *Relationships in the order Marchantiales (Hepaticae)*. J. Hattori Bot. Lab. 64: 47–57, 3 tab.
- BUCK, W.R. 1988. *Another view of the familial delimitation of the Hookeriales*. J. Hattori Bot. Lab. 64: 29–36, 1 fig. — 5 families; key; descriptions.
- CAP, T. & C. GAO. 1988. *Studies of Chinese bryophytes. (2). Trematodon Michx. (Musci, Dicranaceae)*. J. Hattori Bot. Lab. 65: 323–334, 6 fig, 1 tab. — 2 species, 1 Malesian; descriptions.
- CATCHESIDE, D.G. 1988. *The mosses of the Northern territory, Australia*. J. Adelaide Bot. Gard. 11: 1–17, 4 fig. — 95 species, 54 new records, keys to some genera.
- CHANDRA, V., et al. 1987. *Calobryales: Distribution and phytogeographical discussion*. Geophytology 17: 227–232, 1 map.
- *EDDY, A. 1988. *A handbook of Malesian mosses. I. Sphagnales to Dicrales*. iii, 204 pp, 165 fig. British Museum (Nat. Hist.), London. ISBN 0-567-01038-7. Price unknown. — See Reviews.
- ELLIS, L.T. 1988. *Taxonomic notes on Calymperes. II*. J. Bryol. 15: 127–140, 3 fig. — Subgenus Somphoneuron perhaps polyphyletic; discussions on e.g. C. boulai, C. graeffeanum.
- ENROTH, J. 1988. *Gemmae in Arthrocormus schimperi (Dozy & Molk.) Dozy & Molk*. J. Bryol. 15: 493–495, 1 fig.
- 1989. *The bryophytes of Sabah (N. Borneo) with special reference to the BRYOTROP transect of Mount Kinabalu. IV. Leucobryaceae (Bryopsida)*. Willdenowia 18: 529–554, 1 fig. — 1 new record for Borneo; keys to Bornean species; synonymy; diagnoses; notes.

- FRAHM, J.-P. 1988. *The Subantarctic and Southern hemispheric species of Campylopus (Dicranaceae), with contributions to the origins and speciation of the genus.* J. Hattori Bot. Lab. 64: 367–387, 13 fig.— 14 species, some Malesian; key; maps; notes; index.
- et al. 1988. *Bryophyte flora of the Huon Peninsular, Papua New Guinea. XXV.* Ann. Bot. Fenn. 25: 259–260, 1 fig.— *Campylopodiella crenulata* sp. nov.
- FRISVOLL, A.A. 1988. *A taxonomic revision of the Racomitrium heterostichum group (Bryophyta, Grimmiaceae) in N. and C. America, N. Africa, Europe, and Asia.* Gunneria 59: 1–289, 69 fig, 2 tab.— Sect. Laevifolium; 6 informal subgroups, 32 taxa, 11 new, 1 new comb.; full revision: keys, descriptions, etc.
- GRADSTEIN, S.R., et al. 1988. *On the taxonomic significance of secondary metabolites in the Lejeuneaceae (Hepaticae).* J. Hattori Bot. Lab. 64: 159–1683 fig, 3 tab.
- GREENE, S.W. & A.J. HARRINGTON. 1988. *The conspectus of Bryological taxonomic literature. Part 1. Index to monographs and regional reviews.* Bryoph. Bibl. 35: 6–263, 2 app.
- GROLLE, R. 1988. *Miscellanea hepatologica 261–270.* J. Hattori Bot. Lab. 65: 403–410, 1 fig.
264. *Cytolejeunea peruviana*: South American; Stephani's record for Java erroneous.
266. *Lejeunea cuculliflora*, incl. *Rectolejeunea crenulata* from Borneo.
267. *Lejeunea microstipula*, incl. *Harpalejeunea exigua* from Amboina.
268. *Leptolejeunea amphiophthalma*, incl. *L. picta* from Sumatra.
269. *Plagiochilidium bidentulum*, incl. *P. borneense*.
- 1989. *A technically new lectotypification of Harpalejeunea (Hepaticae).* Taxon 38: 88–90.
- HASEGAWA, J. 1988. *A proposal for a new system of the Anthocerotae, with a revision of the genera.* J. Hattori Bot. Lab. 64: 87–95, 3 fig.— See also Hässel de Menéndez, 1988; 1 new family (but probably an isonym), 1 new comb.
- HÄSSEL DE MENÉNDEZ, G.G. 1988. *A proposal for a new classification of the genera within the Anthocerotophyta.* J. Hattori Bot. Lab. 64: 71–86, 3 fig.— See also Hasegawa, 1988; cladistic analysis; 4 orders, 3 new, 1 new family, 1 new subfamily, 1 new genus, 2 new comb.
- HATTORI, S. 1988. *Frullania collections made by Dr. Barbara M. Thiers in Queensland and New South Wales, Australia.* Beih. Nova Hedw. 90: 147–158, 4 fig.— 23 species of which 3 new, new records, some Malesian.
- 1988. *Frullania flora of Mt. Albert Edward, Papua New Guinea.* J. Hattori Bot. Lab. 65: 411–453, 11 fig.— 47 species, 3 new, 2 new varieties, 1 new record.
- HIGUSHI, M. & N. TAKAKI. 1988. *A collection of the hypnaceous mosses from the Kathmandu area, Central Nepal.* In: M. Watanabe & S.B. Malla (Eds.), *Cryptogams of the Himalayas. Vol 1. The Kathmandu valley:* 171–175.— Some Malesian species.
- HYVÖNEN, J. 1989. *The bryophytes of Sabah (North Borneo) with special reference to the BRYOTROP transect of Mount Kinabalu. VI. Polytrichaceae and Buxbaumiaceae (Bryopsida).* Willdenowia 18: 569–589, 5 fig.— Keys to Bornean species; synonymy; diagnoses; notes.

- et al. 1987. *Human influence on the mossflora of tropical rainforest in Papua New Guinea*. Symp. Biol. Hung. 35: 621–629, 2 tab.
- INOUE, H. 1989. *The bryophytes of Sabah (North Borneo) with special reference to the BRYOTROP transect of Mount Kinabalu. V. Plagiochila (Plagiochilaceae, Hepaticae)*. Willdenowia 18: 555–567, 2 fig. — 27 species, 2 new, 10 new records for Borneo; synonymy; notes.
- 1988. *Taxonomic miscellany on hepatics*. J. Jap. Bot. 63: 393–398, 1 fig. — *Heteroscyphus coalitus* s.l.: synonymy; *Notoscyphus lutescens*, *Wettsteinia inversa* new for Australia.
- 1988. *Two new species of Plagiochila ((Hepaticae) from Papua New Guinea*. J. Jap. Bot. 63: 365–369, 2 fig.
- IRELAND, R. R. 1989. *The moss genus Dicranodontium in Canada*. Canad. J. Bot. 67: 640–649, 8 fig. — 4 species, 1 Malesian; descriptions; key.
- IWATSUKI, Z. & T. SUZUKI. 1988. *Fissidens collections made by Mr. H. Akiyama on Seram island in 1985 and 1986*. Hikobia 10: 215–220, 1 tab. — 23 species; key; phytogeography.
- KARTTUNEN, K. & S. BÄCK. 1988. *Taxonomy of Hymenodon (Musci, Rhizogoniaceae)*. An. Bot. Fenn. 25: 89–95, 5 fig. — 2 sections, 1 new species, 1 new comb.
- KITAGAWA, N. 1988. *Studies of the Hepaticae of Thailand. V. The family Calypogeiaeae*. Beih. Nova Hedw. 90 (1988) 163–170, 2 fig. — 2 genera, 5 species, 1 new variety, 1 new combination, 2 new records; key.
- KOPONEN, T. 1988. *The phylogeny and classification of the Mniateae and Rhizogoniaceae (Musci)*. J. Hattori Bot. Lab. 64: 37–46, 3 fig. — Cladistic analysis; Plagiomniaceae proposed; phytogeography.
- KUO, C.-M. & T.-Y. CHIANG. 1988. *Index of Taiwan Hepaticae*. Taiwania 33: 1–46.
- KUROKAWA, S. 1988. *Species of Anaptychia and Parmelia collected in the Kathmandu area*. In: M. Watanabe & S.B. Malla (Eds.), *Cryptogams of the Himalayas. Vol 1. The Kathmandu valley*: 155–160, 4 fig. — Some Malesian species.
- LIGRONE, R. & R. GAMBARDELLA. 1988. *Ultrastructure of the sporophyte-gametophyte junction and its relationship to bryophyte evolution*. J. Hattori Bot. Lab. 64: 187–196.
- MENZEL, M. 1988. *Annotated catalogue of the Hepaticae and Anthocerotae of Borneo*. J. Hattori Bot. Lab. 65: 145–206, 2 map. — Enumeration of names and synonyms; 35 families, 119 genera, 623 species; altitudinal range; some notes.
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- MISA, F. 1988. *Three new records of Philippine Fissidens*. J. Bryol. 15: 299–301, 1 fig. — *Fissidens gymnogynus*, *F. mangarevensis*, *F. obscurirete*.
- MIYAWAKI, H. 1988. *Studies on the Lecanora subfuscata group in Japan*. J. Hattori Bot. Lab. 64: 271–326, 49 fig, 3 tab. — 2 groups, 21 species, 4 new, some Malesian.

- MIZUTANI, M. 1988. *Notes on the Lejeuneaceae. 14. Asiatic species of the genus Caudalejeunea*. J. Hattori Bot. Lab. 64: 389–399, 3 fig, 2 tab. — 3 species; key.
- MOHAMED, M.A.H. 1987. *The limestone moss flora of Malaya*. Symp. Biol. Hung. 35: 649–663, 5 fig, 2 tab. — Enumeration; discussion; some species only fruit in non-limestone habitats at higher altitudes!
- & H.S. ABDULLAH. 1988. *The genus Pinnatella in Peninsular Malaysia and Singapore*. J. Bryol. 15: 141–147, 5 fig. — Key to 4 species.
- MUES, R. & H.D. ZINSMEISTER. 1988. *The chemotaxonomy of phenolic compounds in bryophytes*. J. Hattori Bot. Lab. 64: 109–141, 12 tab.
- MURRAY, B.M. 1988. *Systematics of the Andreaeopsida (Bryophyta): two orders with links to Tatakia*. Beih. Nova Hedw. 90 (1988) 289–336, 15 fig, 1 tab. — 2 orders, 1 new; very primitive.
- NOGUCHI, A. & X.-J. LI. 1988. *Some species of the pterobryaceous mosses from S.W. China*. J. Jap. Bot. 63: 143–149, 3 fig.
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- PIIPO, S. 1988. *The bryophyte flora of the Huon Peninsula, Papua New Guinea. XXI*. An. Bot. Fenn. 25: 55–57, 2 fig. — Lepicolea norrisii; key to related species.
- 1988. *The bryophyte flora of the Huon Peninsula, Papua New Guinea. XXII. Targioniaceae, Wiesnerellaceae, Aytoniaceae and Ricciaceae (Marchantiales, Hepaticae)*. An. Bot. Fenn. 25: 97–107, 10 fig. — Key to genera; descriptions.
- 1988. *The bryophyte flora of the Huon Peninsula, Papua New Guinea. XXIII. Trebiaceae, Allisoniaceae and Makinoaceae (Metzgeriales, Hepaticae)*. Ann. Bot. Fenn. 25: 159–164, 6 fig.
- 1989. *The bryophytes of Sabah (North Borneo) with special reference to the BRYOTROP transect of Mount Kinabalu. III. Geocalycaceae (Hepaticae)*. Willdenowia 18: 513–527. — 1 new combination in Heteroscyphus, 2 new records for Borneo; keys to Bornean species; synonymy; diagnoses; notes.
- et al. 1987. *Endemism of the bryophyte flora in New Guinea*. Symp. Biol. Hung. 35: 361–372, 2 tab, 2 app. — Frieda River area with high level.
- PURSELL, R.A., et al. 1988. *A taxonomic revision of Fissidens subgenus Sarawakia (Bryopsida: Fissidentaceae)*. Bryol. 91: 202–213, 71 fig. — 3 species; keys; descriptions.
- RAMSAY, H.P. 1988. *Cytological and biosystematic studies on some Australasian mosses*. J. Hattori Bot. Lab. 64: 177–1863 fig, 4 tab. — Sematophyllaceae, Macromitrium.
- et al. 1987. *Observations on the bryoflora of Australian rainforests*. Symp. Biol. Hung. 35: 605–620, 1 map, 1 tab. — New Guinean also taken into account; list of the (51) hepatic genera in New Guinea; Australasian families and genera enumerated.

- RENZAGLIA, K.S. & J.G. DUCKETT. 1988. *Different developmental processes underlie similar spermatozoid architecture in mosses, liverworts and hornworts.* J. Hattori Bot. Lab. 64: 219–236. — Convergent or parallel evolution resulted in analogous, not homologous spermatozoids; bryophytes would then be polyphyletic.
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- SCHUSTER, R.M. 1988. *The aims and achievements of bryophyte taxonomists.* Bot. J. Linn. Soc. 98: 185–202.
- 1988. *Ecology, reproductive biology and dispersal of hepaticae in the tropics.* J. Hattori Bot. Lab. 64: 237–269, 4 fig. — Important survey and discussion.
- SCOTT, G.A.M. 1988. *Australasian bryogeography: fact, fallacy and fantasy.* Bot. J. Linn. Soc. 98: 203–210.
- & D.C. PIKE. 1988. *Revisionary notes on Fossombronia.* Bryol. 91: 193–201, 36 fig. — 26 species tentatively accepted.
- STONE, I.G. 1988. *Fissidens maceratus* Mitt. (*synonym F. splachnobryoides* Broth.). J. Bryol. 15: 117–122, 3 fig. — Description.
- STREIMANN, H. 1988. *The moss genus Papillaria (Meteoriaceae) in New Guinea.* Bryolog. 91: 341–343, 2 fig. — 4 species; 2 new records; key.
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- TAN, B.C. 1989. *The bryophytes of Sabah (North Borneo) with special reference to the BRYOTROP transect of Mount Kinabalu. II. Dicranoloma and Brotheromnium.* Willdenowia 18: 497–512, 18 fig. — 10 species, 4 new records for Borneo, 1 new combination; key to Bornean species; synonymy; notes.
- 1989. *Thamnobryum subserratum and T. subseriatum (Musci) in Asia.* Brittonia 41: 41–43.
- & Z. IWATSUKI. 1989. *The bryophytes of Sabah (North Borneo) with special reference to the BRYOTROP transect of Mount Kinabalu. VII. Fissidentaceae (Bryopsida).* Willdenowia 18: 591–602, 7 fig. — 15 species, 7 new records; key; synonymy; notes.
- TEWARI, S.D. & S.K. AIRI. 1988. *Chandonanthus birmensis* Steph. and *C. hirtellus* (Web.) Mitt., additions to the liverwort flora of the northwestern Himalayas. Lindbergia 14: 123–125, 22 fig. — Key, descriptions.
- THIERS, B.M. 1988. *The Australian species of Cololejeunea.* Beih. Nova Hedw. 90 (1988) 113–146, 13 fig, 1 tab. — 17 species, 1 new, 9 new records, some Malesian; descriptions; keys.
- 1988. *Morphological adaptations of the Jungermanniales (Hepaticae) to the tropical rainforest habitat.* J. Hattori Bot. Lab. 64: 5–14.

- TIXIER, P. 1988. *Le domaine lémuro-australasien. Intérêt biogéographique de deux espèces nouvelles.* Nova Hedw. 46: 373–383, 4 fig. — 2 new species; notes on Tuyamaella: key, 2 new subgenera.
- 1988. *Le genre Glossadelphus Fleisch. (Sematophyllaceae, Musci) et sa valeur.* Nova Hedw. 46: 319–356, 20 fig. — Revision; 3 subgenera, 2 new, 6 sections, 3 new, 20 spp., 1 new; keys; based on very little material, material for 10 names not seen.
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- VITT, D.H. & C. MARSH. 1988. *Population variation and phytogeography of Racomi-trium lanuginosum and R. pruinatum.* Beih. Nova Hedw. 90 (1988) 235–260, 9 fig. — R. pruinatum also in Malesia.
- WU, C.-L. & S.-J. CHANG. 1988. *Chemosystematic features of the constituents of Taiwanese liverworts.* J. Hattori Bot. Lab. 64: 151–157, 1 fig.
- YAMADA, K. & H. INOUE. 1988. *Studies on Taiwan Hepaticae. VII. Radulaceae.* Bull. Nat. Sc. Mus., Tokyo, B, 14: 41–51, 2 fig. — 21 species, 13 Malesian; keys.
- ZANDER, R.H. 1989. *Seven new genera in Pottiaceae (Musci) and a lectotype for Syntrichia.* Phytologia 65: 424–436. — Generic key of Pottiaeae.

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- BIDIN, A. 1987. *A preliminary survey of the fern flora of Langkawi Islands.* Gard. Bull., Singapore 40: 77–102, 1 map, 1 tab. — 145 taxa.
- et al. 1988. *A new species of Adiantum from Trus Madi Range, Sabah.* Gard. Bull., Singapore 41: 45–48 (n.v.).
- BISHOP, L.E. 1988. *Ceradenia, a new genus of Grammitidaceae.* Am. Fern J. 78: 1–5, 1 fig. — Neotropical split-off of Grammitis s.l., c. 55 species, many new; 1 new subgenus; 27 new comb.
- BROWNSEY, P.J. & J.D. LOVIS. 1987. *Chromosome numbers for the New Zealand species of Psilotum and Tmesipteris, and the phylogenetic relationships of the Psilotales.* New Zeal. J. Bot. 25: 439–454, 1 fig, 3 tab. — Psilotales not to be included in Fili-cales.
- *CHING, R.C. 1988. *Selected papers by R.C. Ching.* x + 366 pp, 23 fig, 21 tab. Acad. Press, Beijing. 60 Yuan. (n.v.) — See Reviews.
- DAHLEN, M.A. 1988. *Taxonomy of Selaginella: a study of characters, techniques, and classification in the Hong Kong species.* Bot. J. Linn. Soc. 98: 277–301, 21 fig, 9 tab. — Characters used may have a wider application.
- FRASER-JENKINS, C.R. 1989. *A monograph of Dryopteris (Pteridophyta: Dryopteridaeae, in the Indian subcontinent.* Bull. Brit. Mus. (Nat. Hist), Bot. 18: 323–477, 79 fig. — 57 species (7 new), 9 (8) hybrids, 7 new combinations, 1 new name; descriptions; keys; index.

- HOLTTUM, R. E. 1988. *Ferns*. In: Earl of Cranbrook (Ed.). Malaysia (Key environments): 77–87, 8 fig. — See Reviews.
- 1988. *Studies in the fern genera allied to Tectaria Cav. VII. Species of Tectaria sect. Sagenia (Presl) Holttum in Asia excluding Malesia*. Kew Bull. 43: 475–489. — 23 species, 2 new, 2 new comb.; key; index.
- HOVENKAMP, P.H. & G.J. DE JONCHEERE. 1988. *Additions to the fern flora of Sulawesi*. Blumea 33: 395–409, 2 tab. — 15 new taxa in the Aspleniaceae, Cyatheaceae, Davalliaceae, Dennstaedtiaceae, Polypodiaceae, Thelypteridaceae (by R.E. Holttum).
- JERMY, A.C. & A.M. PAUL (Eds.). 1988. *Ching Ren Chang 1898–1986: a bibliography by K.S. Shing*. Taxon 37: 409–416, 1 fig.
- JOHNSON, D.M. 1988. *Marsilea scalaripes*, a new member of *Marsilea* section *Clemys* from the Asian tropics. Am. Fern J. 78: 68–71, 1 fig. — From Kedah.
- 1988. *Proposal to conserve Marsilea L. (Pteridophyta: Marsileaceae) with Marsilea quadrifolia* as typ. conserv. Taxon 37: 483–485, 1 fig.
- JOSHI, G.C. & P.C. PANDE. 1988. *Helminthostachys zeylanica* (L.) Hook. (*Ophioglossaceae*) – A new record for Western Himalaya. J. Bomb. Nat. Hist. Soc. 84 ('1987'): 724–725. — Kumaon; description; previously known from India to Australia.
- KATO, M. 1988. *The phylogenetic relationship of Ophioglossaceae*. Taxon 37: 381–386, 1 tab. — Not ferns, but living progymnosperms, most related to Cycadopsida.
- 1988. *Taxonomic studies of Pteridophytes of Ambon and Seram (Moluccas) collected by Indonesian-Japanese Botanical Expeditions. I. Fern-allies*. Acta Phytotax. Geobot. 39: 133–146. — Keys, notes on Equisetum (1 sp.), Lycopodium (15, 1 comb. nov.), Psilotum (2), Selaginella (18), Tmesipteris (1).
- & D. DARNAEDI. 1988. *Taxonomic and phytogeographic relationships of Diplazium flavoviride*, *D. pycnocarpon*, and *Diplaziopsis*. Am. Fern J. 78: 77–85, 7 fig.
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- MADHUSOODANAN, P.V. 1987. *Taxonomy and distribution of water fern Salvinia Seguier in Asia*. J. Econ. Tax. Bot. 11: 497–503, 1 map. — 3 species; key; descriptions.
- MATSUMOTO, S. & T. NAKAIKE. 1988. *Chromosome numbers of some ferns in Kathmandu, Nepal*. In: M. Watanabe & S.B. Malla (Eds.), Cryptogams of the Himalayas. Vol 1. The Kathmandu valley: 177–185, 15 fig. — Some Malesian species.
- MURAKAMI, N. & S.-I. HATANAKA. 1988. *Chemotaxonomic studies of Asplenium sect. Hymenasplenium* (Aspleniaceae). Bot. Mag., Tokyo 101: 353–372, 11 fig, 9 tab. — Also morphology of roots; cladistics on 7 species from Japan, Taiwan, and some Malesian.
- PICHI SERMOLLI, R.E.G. 1988. *Recent advances and problems in pteridological research*. Giorn. Bot. Ital. 121: 353–378, 9 fig, 3 tab. (In Italian, Engl. summ.). — Pteridophytes sister group of Spermatophytes; enumeration of families; importance of cytogenetics.

- PIGOTT, A.G. 1988. *Ferns of Malaysia in colour*. 458 pp, 1363 (!) col. pl. Tropical Press Sdn. Bhd., 29 Jalan Riong, 59100 Kuala Lumpur, also obtainable through UK agents, GH Services, Glemham House, Saxmundham, Suffolk IP17 1LP. £ 44.00 (post-free for payment with order). — Pictorial companion to the ferns of Malaysia, about 80% depicted; beautiful work.
- RÖDL-LINDER, G. 1987. *Goniophlebium of the Philippines (Polypodiaceae)*. Philip. J. Sc. 116: 151–176, 14 fig, 2 tab. — Revision of 7 species, incl. Polypodium mengtzeense; key; 1 comb. nov.; descriptions.
- SALGADO, A.E. & N.V. VALERA. 1987. *A morpho-anatomical study of Tectaria grandifolia (Presl) Copeland*. Philip. J. Sc. 116: 377–390, 10 fig, 1 tab.
- SINGH, S. & G. PANIGRAHI. 1987. *On the taxonomy and distribution of Ceratopteris thalictroides (L.) Ad. Brongn. (Parkeriaceae) in India*. J. Econ. Tax. Bot. 10: 425–431, 2 fig.
- SOLTIS, D.E. & P.S. SOLTIS. 1988. *Are lycopods with high chromosome numbers ancient polyploids?* Am. J. Bot. 75: 238–247, 16 fig. — Ancient, yes, polyploid, no.
- SOLTIS, P.S. & D.E. SOLTIS. 1988. *Electrophoretic evidence for genetic diploidy in Psilotum nudum*. Am. J. Bot. 75: 1667–1671, 8 fig, 2 tab. — $2n = 104$, yet diploid!
- TAN, B.C. & D.B. TOLENTINO. 1987. *Miscellaneous notes on Philippine pteridophytes*. Philip. J. Sc. 116: 435–443, 3 fig. — New records for Gymnopteris vestita, Lycopodium nummularifolium (incl. Urostachys delbrueckii) s.s., L. selago var. miniatus; Matonia foxworthyi; Lycopodium cernuum f. ingens new for the Philippines.
- WANG, B. 1980. *Studies on the spores morphology of Schizaeaceae from China*. Acta Sc. Nat. Univ. Sunyatseni 1980/3: 87–91, 3 fig. (In Chinese, Engl. summ.).
- 1980. *The new distribution of ferns in China*. Acta Sc. Nat. Univ. Sunyatseni 1980/3: 92 (In Chinese, Engl. summ.). — Drymoglossum piloselloides var. platycerioides, Schizaea dichotoma in Hainan.
- 1982. *The pteridophyte flora of Hainan*. Acta Sc. Nat. Univ. Sunyatseni 1982/1: 92–98 (In Chinese, Engl. summ.). — Part of Cathaysian flora.
- WEE, Y.C. & L.L. CHUA. 1988. *Lygodium japonicum in Singapore*. Fern Gaz. 13: 246–247.
- WHITE, R.A. & M.D. TURNER. 1988. *Calochlaena, a new genus of dicksonioid ferns*. Am. Fern J. 78: 86–95, 14 fig. — Based on Culcita subgen.; 5 species, 4 Malesian; no key.

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- *ADISOEMARTO, S., et al. 1988. *Kamus biologi: bioteknologi*. 224 pp. Depdikbud, Jakarta (n.v.). — Manual of biology: biotechnology.
- ALEXEEV, E.B. *Genus Festuca L. (Poaceae) in Japonia, Peninsula coreana et insula Taiwan*. Nov. Syst. Pl. Vasc. 25: 5–27, 4 fig (In Russian and Latin). — Suggests that Malesian species belong to subgen. Drymanthele sect. Banksia.

- ALLKIN, R. & F.A. BISBY. 1988. *The structure of monographic databases*. Taxon 37: 756–763, 5 fig. — Descriptive information should be stored in databases with multiple indices.
- ALSAGOFF, S.Y. & A.C. LEONG. 1988. *Paraphalaenopsis and its hybrids*. Mal. Orch. Rev. 22: 12–16, 13 col. pl. (Orchidaceae).
- AMARASINGHE, V. & L. WATSON. 1988. *Comparative ultrastructure of microhairs in grasses*. Bot. J. Linn. Soc. 98: 303–319, 30 fig, 2 tab. — 17 species of 4 subfamilies; 3 types; possibly secretory.
- ANDERSEN, T.F., et al. 1988. *Vegetative architecture of Eria*. Lindleyana 3: 117–132, 30 fig, 2 app. — Also of Trichotosia; 10 types; vegetatively Eria not monophyletic? (Orchidaceae).
- ANDREWS, S. & S. KNEES. 1988. *Confusing Cassias*. Kew Mag. 5: 76–82, 3 fig. — On Senna (!) septemtrionalis (C. floribunda auct.) and 3 related taxa; key.
- ANDRONOVA, N.N. 1988. *Comparative embryology of Loganiaceae and Rubiaceae*. Bot. Dzj. 73: 937–951, 8 fig (In Russian, Engl. summ.). — Embryo originally orthotropous, endosperm nuclear, Rubiaceae in Gentianales.
- ANDRZEJEWSKA-GOLEC, E. & J. SWIETOSLAWSKI. 1988. *The morphology of hairs in species of Plantago L. sections: Leucopsyllium Decne and Hymenopsyllium Pilger*. Acta Soc. Bot. Pol. 57: 9–19, 8 fig. (Plantaginaceae).
- ANKEI, T. 1988. *Evolution of the stem structures of Stellaria (Caryophyllaceae)*. J. Phyto-geogr. & Taxon. 36: 27–36, 4 fig, 5 tab.
- ANONYMUS. 1987. *Multidisciplinary research on Shorea javanica. Foreword*. Biotropia 1: 41. — See Chapter VI. (Dipterocarpaceae).
- ANONYMUS. 1987. *The systematic status of large flowering genera*. Austr. Syst. Bot. Soc. Newslet. 53: 26–93. — Proceedings of the Boden Conference, Australia, 5–7 February 1986; a number of papers on the concept of large genera by C. Jeffrey, P.S. Stevens, J.G. West, B.A. Barlow, T. Whiffen; pollination syndromes (J.A. Armstrong); breeding systems (C.J. Webb); Asteraceae (H. Robinson, C. Jeffrey); Epacridaceae (J.M. Powell, A.R. Chapman & A.N.L. Doust); Australian Chenopodiaceae (P.G. Wilson); Cassia (B. Randell); Acacia (L. Pedley); Eucalyptus (L.A.S. Johnson). (Leguminosae; Myrtaceae).
- ANONYMUS. 1988. *Scientific and local names of Indonesian rattan*. RIC Bull. 6, 3/4: 22–23.
- ANONYMUS. 1988. *Scientific and local names of Indonesian rattan (revised)*. RIC Bull 7/1–2: 15.
- ANTON DE TRIQUEL, A. 1988. *Grass gametophytes: their origin, structure, and relation with the sporophyte*. In: T.R. Soderstrom et al. Grass systematics and evolution: 11–20, 4 fig. (Gramineae).
- ANURADHA, S.M.J., et al. 1988. *Chemosystematics of Capparaceae*. Feddes Report. 99: 391–394, 2 tab. — Cleomaceae not accepted.

- ARAGONES Jr., E.G. 1985. *The identification of some commercial and lesser-known timber trees in Mt. Makiling, Luzon, based on field characters of bark and blaze.* Master's Thesis, University of the Philippines, Los Baños. Mimeograph. 202 pp, 46 fig, 3 tab, 3 app. — Keys to 45 species.
- ARBAIN, D., et (14!) al. 1989. *Survey of some West Sumatran plants for alkaloids.* Econ. Bot. 43: 73–78, 2 app.
- ARGENT, G. 1988. *Some attractive Vireya rhododendrons.* Kew Mag. 5: 99–119, 6 fig, 6 col. pl. — *Rhododendron konori*, *Rh. lineare*, *Rh. praetervisum*, *Rh. salicifolium*, *Rh. stenophyllum*, *Rh. superbum* depicted and discussed; cultivation.
- ARMSTRONG, J.E. & A.K. IRVINE. 1989. *Flowering, sex ratios, pollen-ovule ratios, fruit set, and reproductive effort of a dioecious tree, Myristica insipida (Myristicaceae), in two different rain forest communities.* Am. J. Bot. 76: 74–85, 2 fig, 9 tab. — Males flower earlier, more, and younger, but females spend more energy.
- & — 1989. *Floral biology of Myristica insipida (Myristicaceae), a distinctive beetle pollination syndrome.* Am. J. Bot. 76: 86–94, 7 fig, 3 tab. — Male flowers offer pollen, only, female ones nothing; an advanced type of cantharophily.
- ARRIAGA, M.O. 1987. *Interpretacion del ornamento del antecio de Eriochloa (Poaceae).* Bol. Soc. Argent. Bot. 25: 131–141, 2 fig (In Spanish, Engl. summ.). — E.g. in *E. punctata*.
- ASH, J. 1988. *Nothofagus (Fagaceae) forest on Mt. Giluwe, New Guinea.* New Zeal. J. Bot. 26: 245–258, 9 fig. — Ecology, pests, regeneration, anatomy.
- ASHER Jr., J.H. 1986. *Research on the genus Paphiopedilum (Anggrek kantong) in West Sumatra.* Mal. Orch. Rev. 20: 58–72, 13 col. pl, 8 tab. (Orchidaceae).
- & J.H. Beaman. 1988. *Paphiopedilum richardianum Asher & Beaman, sp. nov., a new species from Indonesia.* Orch. Dig. (April–June): 61–62, 1 col. pl., 1 map. — Very close to the polymorphic *P. lowii*. (Orchidaceae).
- ASHTON, P.S. 1988. *Systematics and ecology of rain forest trees.* Taxon 37: 622–629.
- 1988. *Dipterocarp biology as a window to the understanding of tropical forest structure.* Ann. Rev. Ecol. Syst. 19: 347–370, 2 fig, 1 tab. (Dipterocarpaceae).
- et al. 1988. *Staggered flowering in the Dipterocarpaceae: new insights into floral induction and the evolution of mast fruiting in the aseasonal tropics.* Am. Nat. 132: 44–66, 7 fig, 4 tab. — Mass flowering caused by a small temperature drop; Dipterocarpaceae may have originated in the seasonal tropics where this drop indicates the start of the dry season; drop may be caused by El Niño.
- 1989. *Sundaland.* In: H.D. Hammond & D. Campbell (Eds.), *Floristic inventory of tropical countries:* 91–99, 1 map, 1 tab. — Description of the region, vegetation maps discussed, past and future status of floristic inventories.
- AVERYANOV, L.V. *New and rare species of the Orchidaceae family in Vietnamese flora.* Bot. Dzj. 73: 892–898 (In Russian). — List of names.

- *—1988. *Preliminary list of the Vietnamese orchids*. 153 pp, 1 map. Komarov Botanical Institute, Leningrad. Stencil. (In Russian, Engl. summ.). — Literature compilation for 60–70% of the Vietnamese species, many Malesian; typification, taxonomy, nomenclature. (Orchidaceae).
- BAAS, P., et al. 1988. *Wood anatomy of the Oleaceae*. IAWA Bull. n.s. 9: 103–182, 101 fig, 6 tab. — Phenetic and phylogenetic classification; ecological and functional wood anatomy; xylem evolution; 2 keys for wood identification; Nyctanthes isolated position; Jasminoideae not supported.
- BAHADUR, B., et al. 1987. *Floral biology of Hybanthus enneaspermus (L.) F. Muell.* (Violaceae). New Bot. 14: 29–45, 42 fig, 2 tab.
- BALCOS Jr., F.R. & R.A. TABBADA. 1987. *Why Pittosporum resiniferum seeds hardly germinate*. Nat. & Appl. Sc. Bull. 39: 91–104, 2 fig, 4 tab. — Dormancy; growth inhibitor in testa.
- BALGOOY, M.M.J. VAN. 1989. *Eilandbewoners onder de planten: enkele voorbeelden uit de Indo-Pacific*. Meded. Ned. Comm. Int. Natuurbescherming 25: 27–36, 5 fig, 4 tab. (In Dutch, Engl. summ.). — Island dwellers among the plants: some examples from the Indo-Pacific.
- BARABÉ, D. & S. FORGET. 1988. *Anatomie florale de l'Aglaonema pictum (Araceae)*. Beitr. Biol. Pfl. 63: 453–462, 7 fig. — Gynoecium actually 4–7-carpellary showing relationship to e.g. Philodendron.
- BARRETT, S.C.H. 1988. *Evolution of breeding systems in Eichhornia (Pontederiaceae): a review*. Ann. Missouri Bot. Gard. 75: 741–760, 10 fig, 5 tab.
- BARTHLOTT, W. 1988. *Über die systematischen Gliederungen der Cactaceae*. Biol. Pfl. 63: 17–40 (n.v.).
- BASTMEIJER, J.D. 1989. *Cryptocoryne scurrilis De Wit*. Aqua-Planta 14: 3–5, frontisp., 1 col. pl, 2 fig. (In German). — Description, culture. (Araceae).
- BASU, S.K. 1987. *Corypha palms in India*. J. Econ. Tax. Bot. 11: 477–486, 3 pl. — 4 species; key; descriptions. (Palmae).
- & S. BASU. A study on *Calamus longisetus Griff.* cultivated in the Indian Botanic Garden, Howrah. RIC Bull. 6, 3/4: 7–8, 2 col. pl, 1 tab. (Palmae).
- BAUM, B.R. 1988. *Numerical taxonomic analyses of the Poaceae*. In: T.R. Soderstrom et al., Grass systematics and evolution: 334–342, 4 fig, 2 app. — Bibliographic review; use of methods.
- *BAUMANN-BODENHEIM, M.C. 1988. *Systematik der Flora von Neu-Caledonien. Band 4*: 1–140, 103 col. pl., 1 fig, 3 tab. A.L. Schenk-Baumann, In den Bünten, CH-5634 Merenschwand, Switzerland. DM 165.00. — First part of an amateurish, ambitious 17 volume series; new system and names, fortunately all invalid.
- *—1989. *Systematik der Flora von Neu-Caledonien (Melanesien–Südpazifik). Band 5*: 1–100, 151 fig, 3 tab. Mimeogr. — New combinations on p. 76–77, 97–98, some valid.

- BEAMAN, J.H. & J.C. REGALADO Jr. 1989. *Development and management of a micro-computer specimen-oriented database for the Flora of Mount Kinabalu*. Taxon 38: 27-42, 12 fig. — Enumerations, determination and specimen lists, itineraries, specimen citations, annotation labels, distribution maps can be produced; may well be used for other floristic projects, and general computerized herbarium management.
- et al. 1988. *Pollination of Rafflesia (Rafflesiaceae)*. Am. J. Bot. 75: 1148-1162, 10 fig, 1 tab. — See Fl. Males. Bull. 10, p. 20 for summary.
- BECCARI, O. 1902. *Wanderings in the great forests of Borneo*. Oxford University Press. Oxford, etc. ISBN 0-19-582693-0. Price unknown. — A reprint of the rare English translation of 1904, but without the maps; with a foreword by the Earl of Cranbrook; for the importance of this reprint see also the Introduction to the Fl. Males. I, 9, which was dedicated to Beccari.
- BEHNKE, H.-D. 1988. *Sieve-element plastids, phloem protein, and evolution of flowering plants: III. Magnoliidae*. Taxon 37: 699-732, 15 fig, 2 tab. — Putative phylogenetic arrangement; Atherospermataceae upheld.
- BERG, C.C. 1988. *The genera Trophis and Streblus (Moraceae) remodelled*. Proc. Kon. Ned. Akad. Wet. C, 91: 345-362, 1 fig. — Maleisia, Olmedia to Trophis; Amphalis, Pachytrophe, Sloetiopsis to Streblus; Bleekrodea distinct; 3 new sections in Trophis, 3 new specific comb.; 1 new section in Streblus; 1 new comb. in Bleekrodea.
- BERGNER, I. & U. JENSEN. 1989. *Phytoserological contribution to the systematic placement of the Typhales*. Nord. J. Bot. 8: 447-456, 4 fig, 1 tab. — Typha, Sparganium very similar.
- BESKARAVAINAYA, M.A. 1988. *Morphological traits of flowers of different Clematis species*. Acad. Agric. Sc., Nikita Bot. Gard. 106: 117-126, 3 fig. (In Russian, Engl. summ.). (Ranunculaceae).
- BEUKER, R., et al. 1989. *Taxonomische beschrijving van het genus Miscanthus*. Vakgroep Plantentaxonomie, Wageningen. Mimeogr. 58 pp, 7 tab, 2 app. (In Dutch). — Master's thesis with compilation of literature on Miscanthus; list of names and synonyms; 2 new combinations (ineffective!, or. comm.); leaf anatomy.
- BHARGAVA, N. & R.K. PREMANATH. 1987. *Notes on some rare plants from Andaman Islands*. J. Econ. Tax. Bot. 10: 317-320, 2 fig. — Begonia andamensis, Garcinia andamica; descriptions. (Begoniaceae, Guttiferae).
- BHAT, K.G. & M.N. VENUGOPAL. 1988. *Alpinia mutica Roxb. (Zingiberaceae) - A new record for Peninsular India*. J. Bomb. Nat. Hist. Soc. 84 ('1987'): 714-716, 1 fig. — Tamil Nadu, Kerala; previously known from Malaya, Borneo, Indo-China; description.
- BITTRICH, V. & H.E.K. HARTMANN. 1988. *The Aizoaceae - a new approach*. Bot. J. Linn. Soc. 97: 239-254, 4 tab. — Molluginaceae excluded; 5 subfamilies (all new); key.
- BOGNER, J. 1988. *Schismatoglottis roseospatha Bogner, spec. nov. (Araceae), eine neue Art aus Sarawak*. Aqua-Planta 13: 96-100, 2 fig, 1 col. pl. (In German). — Rheophyte.

- 1989. *Cryptocoryne hudoroi* Bogner & Jacobsen. *Aqua-Planta* 14: 12–16, 5 col. pl., 1 fig. (In German). — Description, cultivation. (Araceae).
- 1989. *A new Amorphophallus* (Araceae) from Sarawak. *Willdenowia* 18: 441–443, 4 fig.
- BOND, W.J. 1989. *The tortoise and the hare: ecology of angiosperm dominance and gymnosperm persistence*. *Biol. J. Linn. Soc.* 36: 227–249, 4 fig, 4 tab. — Differences in reproduction and growth cause gymnosperms to be most successful in cold and nutrient-poor areas.
- BOSSER, J. & H. HEINE. 1988. *Note sur quelques Acanthaceae des Mascareignes*. *Bull. Mus. Nat. Hist. Nat., Paris*, IV, 10, B, *Adansonia*: 145–148, 1 fig. (In French, Engl. summ.) — 1 new Barleria, 3 new combinations in Malesian Dipterocarpaceae, Phlogacanthus, Strobilanthes.
- BOULTER, D. 1988. *Biochemical evolution in plants*. In: W. Greuter & B. Zimmer, Proc. XIV Int. Bot. Congr., Berlin: 117–131, 6 fig.
- BOWMAN, D.M.J.S., et al. 1988. *Preliminary biogeographical analysis of the Northern Territory vascular flora*. *Austr. J. Bot.* 36: 503–517, 5 fig, 5 tab.
- BOWN, D. 1987. *Acorus calamus L.: a species with a history*. *Aroideana* 10/3: 11–14, 2 fig. — Popular account on taxonomy, uses. (Araceae).
- BRETELER, F.J. 1989. *The origin and identity of Calliandra calothyrsus Meissn. and its synonym C. confusa Sprague & Riley (Mimos.)*. *Acta Bot. Neerl.* 38: 79–80, 1 fig. (Leguminosae).
- BRIECHLE, M. & H.H. HILGER. 1988. *Die Embryogenese von Microparacaryum intermedium und die embryogenetische Klassifizierung der Boraginaceae*. *Flora* 181: 45–59, 5 fig, 3 tab. (In German, Engl. summ.). — Survey of embryo types.
- BRIEGER, F.G., et al. (Eds.) 1988. *Die Orchideen I, 19/20:* 1129–1264, fig. 956–1089. — Vandoideae: Triceratorhynchus (p.p.) to Paraphalaenopsis (p.p.). (Orchidaceae).
- et al. (Eds.) 1989. *Die Orchideen I, 21:* 1265–1328, fig. 1090–1158. — Paraphalaenopsis (p.p.) to Ventricularia. (Orchidaceae).
- et al. (Eds.) 1989. *Die Orchideen I, 22:* 1329–1392, fig. 1159–1237. — Aeridinae: Ventricularia to Sarcochilus p.p. (Orchidaceae).
- BROUNS, J.J.W.M. 1986. *Seagrasses in Papua New Guinea, with notes on their ecology*. *Sc. New Guinea* 12: 66–92, 17 fig. — 2 families, 8 genera, 13 species; key; distribution; ecology (Hydrocharitaceae, Potamogetonaceae).
- BULISEN, J.R.M. 1988. *Revision of the genus Fordia (Papilionaceae: Millettieae)*. *Blumea* 33: 239–261, 4 fig, 1 tab. — 8 species, 1 new subspecies, 1 new comb.; cladistics; key; descriptions; index to collectors.
- BULALACAO, L.J. & M. PAMPLONA. 1987. *Mangrove swamps of Quezon, Palawan*. *PNH Hb. News* 2 (1987) 9–10, 1 fig.

- BULMER, R. & B. ALLEN. 1987. *Pigs and pitpit*. Sc. New Guinea 13: 97–99. — Edited correspondence on relationships between pigs and stands of *Misanthus floridulus* (Gramineae).
- BUT, P.P.-H., et al. 1988. *Chemotaxonomic relationship between Muraya and Merrillia (Rutaceae)*. Acta Phytotax. Sin. 26: 205–210, 1 fig, 1 tab. (In Chinese and English). — *Merrillia caloxylon* (Merrilliinae) contains the anti-implantation agent yuehchukene, typical of *Muraya* sect. *Muraya* (Clauseninae), while sect. *Bergenia* is closer to *Glycosmis* and *Clausena*; as the authors place the Merrilliinae at the end of a linear sequence of Clauseninae genera, this would mean that this subtribe cannot be maintained.
- CAMPBELL, C.S. & E.A. KELLOGG. 1988. *Sister group relationships of the Poaceae*. In: T.R. Soderstrom et al., Grass systematics and evolution: 217–224, 3 fig, 4 tab. — Joinvilleaceae in Commeliniflorae closest.
- CAMPBELL, D. & H.D. HAMMOND (Eds.). 1989. *Floristic inventory of tropical countries*. New York Botanical Gardens. — Although several staff members of the Rijksherbarium contributed to this work, no author's copies were available, nor was a review copy received, although comments were invited by the editors in litt.
- CAMPBELL, E.J.F. & G. ARGENT. 1988. *A new species of Merremia from Sabah, North Borneo*. Notes Roy. Bot. Gard. Edinburgh 45: 345–348, 1 fig. — Key to *Merremia* sect. *Wavula*.
- CARATINI, C. & C. TISSOT. 1988. *Paleogeographical evolution of the Mahakam Delta in Kalimantan, Indonesia, during the Quaternary and Late Pliocene*. Rev. Palaeobot. & Palynol. 55: 217–228, 5 fig, 1 pl, 1 tab. — Periodic high frequencies of grass pollen, probably due to savannah development, in response to colder conditions, e.g. at 18,000 yr B.P.
- CARLQUIST, S. 1988. *Wood anatomy of Drimys s.s. (Winteraceae)*. Aliso 12: 81–95, 17 fig, 1 tab. — Neotropical species studied.
- 1988. *Wood anatomy of Acanthaceae: a survey*. Aliso 12: 201–227, 32 fig, 1 tab.
- 1989. *Wood anatomy of Tasmania: a summary of wood anatomy of Winteraceae*. Aliso 12: 257–275, 20 fig, 1 tab. — Key to 8 genera provisionally accepted.
- *CARR, D.J. & S.G.M. CARR. 1987. *Eucalyptus. II. The rubber cuticle, and other studies of the Corymbosae*. ix + 372 pp, ill. Phytoglyph Press, Canberra. ISBN 0-9589273-2-4. Price unknown. — Extensive discussion; 2 new species in New Guinea: *E. tokwa* (p. 152), *E. novoguineensis* (p. 192); *E. intermedia*, *E. latifolia* new records (p. 321, maps 10.1), more likely to occur. (Myrtaceae).
- CARTER, G.A. & A.H. TERAMURA. 1988. *Vine photosynthesis and relationships to climbing mechanics in a forest understorey*. Am. J. Bot. 75: 1011–1018, 5 fig, 1 tab. — Physiological adaptability to low-light environments may be related to climbing mechanics.
- CAVALIER-SMITH, T. 1988. *Eukaryote cell evolution*. In: W. Greuter & B. Zimmer, Proc. XIV Int. Bot. Congr., Berlin: 203–223, 4 fig, 2 tab. — Origin of the 6 biological kingdoms.

- CHAKRABARTY, T. 1987. *Notes on some Asiatic Euphorbiaceae*. J. Econ. Tax. Bot. 11: 21–24. — *Bridelia tomentosa* var. *glabrifolia* hardly distinct from typical form; *Cleidion nitidum* disjunct between Sri Lanka, Tamil Nadu, and Andamans; *Macaranga triloba* from Great Nicobar; synonymy of *Mallotus resinosus*.
- 1987. *The endemic Rubiaceae of Andaman-Nicobar Islands*. J. Econ. Tax. Bot. 11: 56–59. — Some brief notes on 26 taxa, none new.
- CHANDA, S., et al. 1988. *Phylogenetic trends in the Alismatales with reference to pollen grains*. Grana 27: 257–272, 9 fig, 2 tab. — Derived, not primitive order.
- CHANG, H.-T. 1973. *A revision of the hamamelidaceous flora of China*. Acta Sc. Nat. Univ. Sunyatseni 1973/1: 54–71 (In Chinese). — New subfamily; *Distyliopsis* reduced to *Sycopsis*, 2 new subgenera, 2 sections (several invalid: no types).
- 1984. *A revision on the tea resource plants*. Acta Sc. Nat. Univ. Sunyatseni 1984/1: 1–12 (In Chinese). — *Camellia*, *Theaceae*; key; many new taxa.
- 1986. *The continental drift and the development of the flowering plants*. Acta Sc. Nat. Univ. Sunyatseni 1986/3: 1–11 (In Chinese, Engl. summ.). — Origin of flowering plants in Trias, before break-up of Pangaea; Cathaysian flora of local origin.
- & S.-Z. YAN. 1974. *A review of the pittosporaceous plants in China*. Acta Sc. Nat. Univ. Sunyatseni 1974/2: 30–43 (In Chinese). (Pittosporaceae).
- CHAO, C.S. & S.A. RENVOIZE. 1988. *Notes on some species of Phyllostachys (Gramineae - Bambusoideae)*. Kew Bull. 43: 415–422. — *Phyllostachys nigra* var. *henonis*; *Ph. mannii*; *Ph. sulphurea*, compared to *Ph. bambusoides*, new forms in var. *viridis*; *Ph. edulis* (incl. *Ph. pubescens*), 5 new forms.
- & — 1988. *Two new bamboos from the Eastern Himalaya and Southern Burma*. Kew Bull. 43: 409–413, 2 fig. — *Chimonocalamus* invalidly reduced to *Sinarundinaria*; key to its 4 species in Himalaya, Burma.
- CHATTOPADHYAY, D. & A.K. SHARMA. 1988. *Sex difference and chromosomes in *Putranjiva roxburghii* Wall*. Curr. Sc. 57: 1017–1018, 2 fig. — No chromosomal differences. (Euphorbiaceae).
- CHATURVEDI, S.K. & D.D. PANT. 1988. *Further studies in the pollination of some Indian asclepiads*. Bull. Bot. Surv. India 28 ('1986'): 23–30, 6 pl. (Asclepiadaceae).
- CHEN, L.-H. & T.-C. HUANG. 1988. *Floral anatomy of Formosan Pittosporum*. Sc. Rep. Tohoku Univ. IV, Biol. 39: 149–169, 9 fig, 2 tab. (Pittosporaceae).
- CHEN, P.-S., et al. 1982. *Piperaceae*. In: Y.-C. Tseng (Ed.), Fl. Reipubl. Pop. Sin. 20/1: 11–77, fig. 4–24 (In Chinese). — 4 genera, 70 species.
- CHEN, S., et al. 1986. *Mangrove and its reservation in Hainan Island*. Ecol. Sc. 1986/1: 12–19, 3 fig, 3 tab. (In Chinese, Engl. summ.).
- CHEN, S.-P., et al. 1988. *The mangrove of South China Sea*. Guihaia 8: 215–224, 4 fig, 1 tab. (In Chinese, Engl. summ.). — Distribution, succession, conservation, management.

- CHEN, T.-C. 1982. *Casuarinaceae*. In: Y.-C. Tseng (Ed.), Fl. Reipubl. Pop. Sin. 20/1: 1–4, fig. (In Chinese). — 1 genus, 3 species.
- CHIA, L.-C., et al. 1988. *Materials for the genus Bambusa Schreber (Poaceae) in China*. Guihaia 8: 121–127, 1 fig. — 1 nom. nov., 1 sp. nov., 3 cultivars.
- CHRIST, P. & E. SCHNEPF. 1988. *Zur Struktur und Funktion von Asclepiadaceen-Nekterien*. Beitr. Biol. Pfl. 63: 55–79, 30 fig. (Asclepiadaceae).
- CHRISTENSON, E. A. 1987. *Schlechter's Asian collections of Orchidaceae conserved at the Swedish Museum of Natural History, Stockholm (S) and the National Museum, Prague (PR)*. Selbyana 10: 65–72.
- CHRISTOPHER, J., et al. 1987. *Cytomorphological studies of three species of Paspalum Linn. from South India*. Cytologia 52: 487–491, 13 fig. — Paspalum commersonii, P. orbiculare, P. scrobiculatum distinct; P. commersonii with $2n = 60$ probably hybrid, apomictic. (Gramineae).
- CHUNG, H., et al. 1985. *Mangroves of Hong Kong*. Ecol. Sc. 1985/2: 1–6, 4 tab. (In Chinese, Engl. summ.).
- CLARK, L.G. & J.B. FISHER. 1988. *Vegetative morphology of grasses: shoots and roots*. In: T.R. Soderstrom et al., Grass systematics and evolution: 37–45, 1 fig. (Gramineae).
- CLAY, K. 1989. *Clavicipitaceous endophytes of grasses: their potential as biocontrol agents*. Mycol. Res. 92: 1–12, 4 fig, 3 tab. — The fungi make the grasses poisonous to herbivores; their occurrence is of taxonomic worth.
- CLEMENTS, M.A. 1988. *Orchid mycorrhizal associations*. Lindleyana 3: 73–86, 8 fig, 1 tab. — Caladenia, Pterostylis, Spathoglottis, Thelymitra; very interesting discussion showing how the orchid digests the fungus. (Orchidaceae).
- CLIFFORD, H.T. 1988. *Spikelet and floral morphology*. In: T.R. Soderstrom et al., Grass systematics and evolution: 21–30, 1 fig, 2 tab. (Gramineae).
- COCUCCI, A.E. & A.M. ANTON. 1988. *The grass flower: suggestions on its origin and evolution*. Flora 181: 353–362, 4 fig. — Interaction of palea with floral apex; 4 major evolutionary patterns.
- COMBER, J.B. 1986. *The genus Eria – an introduction*. Mal. Orch. Rev. 20: 75–79, 9 col. pl. — Key to Java sections. (Orchidaceae).
- 1988. *Gunong Lamongan*. Mal. Orch. Rev. 22: 41–43, 9 col. pl. — About 100 km S.E. of Surabaya with native orchid gardens; notes on Eria, Flickeringia, Thrixspermum (T. tortum new for Java). (Orchidaceae).
- CONERT, H.J. 1988. *Current concepts in the systematics of the Arundinoideae*. In: T.R. Soderstrom et al., Grass systematics and evolution: 239–250, 8 fig. — Heterogeneous; Monostachya upheld, Rytidosperma = Danthonia. (Gramineae).
- CONNOR, H.E. 1988. *Reproductive biology in the grasses*. In: T.R. Soderstrom et al., Grass systematics and evolution: 117–132, 5 tab. (Gramineae).

- COOK, C.D.K. 1988. *Wind pollination in aquatic Angiosperms*. Ann. Missouri Bot. Gard. 75: 768–777, 20 fig.
- COOMBS, J. 1988. *Bioenergetics and plant productivity*. In: W. Greuter & B. Zimmer, Proc. XIV Int. Bot. Congr., Berlin: 99–116, 4 fig, 2 tab.
- CORBET, S., et al. 1988. Cited in New Scientist 22 Oct.: 33 ('The benefits of buzzing'). — Higher frequency of bee buzzing discharges pollen in some types of flowers (e.g. puffballs, solanaceous) especially when dry.
- CORLETT, R.T. 1988. *The naturalized flora of Singapore*. J. Biogeogr. 15: 657–663, 1 app. — 136 exotics listed, 65% from South America.
- 1987. *The phenology of Ficus fistulosa in Singapore*. Biotropica 19: 122–124, 2 fig. (Moraceae).
- 1987. *Post-fire succession on Mt. Wilhelm, Papua New Guinea*. Biotropica 19: 157–160, 1 fig, 1 tab. — Also effects of frosts; absence of pioneer species; about 300 years necessary for complete regeneration at 3500–3700 m.
- CORNER, E.J.H. 1988. *Wayside trees of Malaya*, ed. 3. Vol. I (Introductory chapters; Keys; Acanthaceae to Lythraceae). xxii + 476 pp, 145 fig, 138 pl; vol.2 (Magnoliaceae to Vitaceae; Gymnospermae). ix + pp. 477–861, fig. 146–260, pl. 139–236. Malaysian Nature Society, POB 10750. 50724 Kuala Lumpur, Malaysia. ISBN 967-99906-0-5. Price unknown. — For this very important new edition, see Reviews.
- COULAUD, J. 1989. *Comparaison de quelques Loganiacées à l'aide des caractères quantitatifs et qualitatifs de l'anatomie du bois*. Canad. J. Bot. 67: 872–878, 1 fig, 2 tab. (In French, Engl. summ.). — Gaertnera fits in well.
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- & — 1989. *Two-dimensional pollination in hydrophilous plants: convergent evolution in the genera Halodule (Cymodoceaceae), Halophila (Hydrocharitaceae), Ruppia (Ruppiaceae), and Lepilaena (Zannichelliaceae)*. Am. J. Bot. 76: 164–175, 7 fig, 1 tab. — Pollen transported by 'rafts'.
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- *— 1988. *The politics of environmental protection in Indonesia*. Centre of Southeast Asian Studies Working Paper 48: 1–35, 2 map, 2 fig. — See Reviews.
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- CRUTTWELL, N.E.G. 1988. *Orchids of Mount Gahavisuka – Part one: Bulbophyllum*. Orchadian 9: 79–83, 6 col. pl. + back page. — Popular account. (Orchidaceae).
- CUSSET, C. & G. CUSSET. 1988. *Étude sur les Podostemales. 9. Délimitations taxonomiques dans les Tristichaceae*. Bull. Mus. Nat. Hist. Nat., Paris. IV, 10, B, Adansonia: 149–177, 9 fig. 2 tab, 1 app. (In French, Engl. summ.) — Principal component analysis delimitating Tristichaceae (Podostemaceae – Tristichoideae and Weddellinoideae); synopsis of 2 subfamilies, 5 genera (1 new: Malaccostristica from the Malaysian Pen.), 10 species (1 new), 3 subspecies; key.
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- & — 1988. *Étude sur les Podostemopsida. 11. Répartition et évolution des Tristichaceae*. Bull. Mus. Nat. Hist. Nat. IV, 10 B, Adansonia: 223–262, 18 fig, 8 tab. (In French). — Evolution and repartition as result of continental drift and sea-floor spreading.
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- DANILE, M., et al. 1986. *Taxonomic position of Abrus - An overview*. J. Pl. Anat. & Morph. 3: 55–57, 1 tab. — Phytochemistry supports tribal status.
- DAVE, Y.S. 1986. *Taxonomic significance and use of the pericarp structure of Capsicums (Family: Solanaceae)*. J. Pl. Anat. & Morph. 3: 85–89, 1 fig. — Taxonomy, phylogeny; key to forms of C. annuum.
- DAVENPORT, L.J. 1988. *A monograph of Hydrolea (Hydrophyllaceae)*. Rhodora 90: 169–208, 10 fig. — 2 sections, 11 species (2 Malesian).
- DAVIDSE, G. 1988. *Fruit dispersal in the Poaceae*. In: T.R. Soderstrom et al., Grass systematics and evolution: 143–155, 2 fig, 4 tab.
- DAVIDSON, D.W., et al. 1989. *Competition among ants for myrmecophytes and the significance of plant trichomes*. Biotropica 21: 64–73, 2 fig, 4 tab. — Trichomes offer protection to the ants and may exclude competitors and predators.
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- 1989. *Dischidia bengalensis.* Hoya Nieuwsbr. 7: 24–25, 1 fig. (In Dutch). — Description, cultivation. (Asclepiadaceae).
- 1989. *Dischidia ovata.* Hoya Nieuwsbr. 6: 18–21, illus, 1 col. pl. (In Dutch). — Description, cultivation. (Asclepiadaceae).
- 1989. *Dischidia ruscifolia.* Hoya Nieuwsbr. 6: 15–17, 1 fig. (In Dutch). — Description, cultivation. (Asclepiadaceae).
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- 1989. *Hoya diversifolia en verwanten.* Hoya Nieuwsbr. 7: 2–13, ill., 2 col. pl. (In Dutch). — Descriptions, history, synonymy, cultivation. (Asclepiadaceae).
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- 1988. *The mottled-leaved species of Pinanga in the Philippines.* Principes 32: 165–174. 7 fig. — 4 species; key; descriptions.
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- FORMAN, L.L. 1988. *A synopsis of Thai Menispermaceae*. Kew Bull. 43: 369–407, 6 fig. — 20 genera, 49 species (3 new); keys; synonymy; distribution.
- 1988. *Menispermaceae*. Identification lists of Malesian specimens. 66: 1–14. — Alas, no more limericks!
- FORSTER, P.I. 1988. *Studies on the Australasian Asclepiadaceae, V. Cynanchum carnosum (R. Br.) Schltr. and its synonymy*. Austrobaileya 2: 525–527.
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- FORTES, M.D. 1988. *Indo-West Pacific affinities of Philippine seagrasses*. Bot. Mar. 31: 237–242, 2 fig, 1 tab. — 7 provinces distinguished in the Indo-West Pacific; Philippines most related to western seas.
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- & M.-H. SACHET. 1987. *The genus Timonius (Rubiaceae) in the Palau Islands*. Micronesica 20: 157–164. — 7 species (1 new), 7 varieties (4), no key.
- & — 1987. *Notes on Micronesian Cyperaceae*. Micronesica 20: 165–170. — Cyperus odoratus, key to 4 new varieties; Fimbristylis autumnalis f. hemisphaerica lectotypified; Machaerina mariscoidea subspecies not accepted.
- & — 1987. *Noteworthy Micronesian plants. 5*. Micronesica 20: 131–156. — Notes, nomenclature, novelties in Crinum (Amaryllidaceae), Dianella (Liliaceae), Dioscorea (Dioscoreaceae), Curcuma (Zingiberaceae), Didymopanax, Cestichis, Peristylus, Microstylis, Nervilia (key), Spathoglottis (key), Rhynchophreatia, Taeniophyllum (key), Trachoma (Orchidaceae).
- et al. 1987. *A geographical checklist of the Micronesian Monocotyledonae*. Micronesica 20: 19–129.
- FOX, M.G. 1988. *Systematic occurrence of sterols in latex of Araceae: subfamily Colocasioideae*. Am. J. Bot. 75: 132–137, 4 tab. — Free sterols in New World taxa, hence latex white, none in Old World ones, latex clear to cloudy.

- FRANKIS, M.P. 1988. *Generic inter-relationships in Pinaceae*. Notes Roy. Bot. Gard., Edinburgh 45: 527–548, 4 fig. — Delimitation subfamilies (1 new) emended.
- FREAN, M.L. & E. MARKS. 1988. *Chromosome numbers of C₃ and C₄ variants within the species Alloteropsis semialata (R. Br.) Hitchc. (Poaceae)*. Bot. J. Linn. Soc. 97: 255–259, 5 fig. — C₃ plants diploid ($2n = 18$), C₄ ones allohexaploid ($2n = 54$), hence 2 species?
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- GANAPATHI, A. & G.R. RAO. 1988. *Cytogeography and nomenclatural notes on Solanum L. section Solanum*. Curr. Sc. 57: 739. — Key to S. nigrum complex. (Solanaceae).
- *GEORGE, A.S. 1988. *Myrtaceae – Eucalyptus, Angophora*. Flora of Australia, Vol. 19: 1–542, 38 col. pl, 111 fig, 564 map. — A complete account of the trees that give such a distinctive character to Australia; keys; descriptions; new taxa in Eucalyptus: 40 new series, 8 new species.
- GERRATH, J.M. & U. POSLUSZNY. 1988. *Comparative floral development in some members of the Vitaceae*. In: P. Leins et al. (Eds.), Aspects of floral development: 121–131, 18 fig.
- GIBBS, P.E., et al. 1988. *A proposal to unite the genera Chorisia Kunth and Ceiba Miller (Bombacaceae)*. Notes Roy. Bot. Garden, Edinburgh 45: 125–136, 3 fig. — Based on study of cytology, palynology, experimental pollination.
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- GOEL, A.K. & M.K.V. RAO. 1988. *A new species of Secamone (Asclepiadaceae) from South Andamans (India)*. J. Bomb. Nat. Hist. Soc. 85: 161–163, 1 fig.
- GOETGHEBEUR, P. 1989. *Studies in Cyperaceae. 10. Cyperus macropachycephalus, a remarkable new species from New Guinea*. Blumea 34: 161–166, 2 fig.
- GÓMEZ-POMPA, A. & L.I. NEVLING Jr. 1988. *Some reflections on floristic databases*. Taxon 37: 764–775, 4 fig. — Points out the problems facing the writing of a flora in undeveloped countries; (multi-)institutional floristic projects the only viable long-term solution; uses of computers.
- GOTTLIEB, O.R., et al. 1989. *Chemical dichotomies in the Magnolialean complex*. Nord. J. Bot. 8: 437–444, 2 fig, 1 tab. — Chemical changes leading to dissimilarities between sister groups may camouflage natural relationships.

- GOTTSBERGER, G. 1988. *The reproductive biology of primitive Angiosperms*. Taxon 37: 630–643, 6 fig. — Winteraceous pollination modes and life strategies interpreted as close to ancestral condition; cantharophily seems derived.
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- GRAHAM, V.A.W. 1988. *Delimitation and infra-generic classification of Justicia (Acanthaceae)*. Kew Bull. 43: 551–623, 11 fig, 4 tab. — Review in wide definition; key to 16 sections, 7 subsection; partial list of 295 species, 63 new combinations.
- GREY-WILSON, C. 1989. *A revision of Sumatran Impatiens. Studies in Balsaminaceae: VIII*. Kew Bull. 44: 67–106, 7 fig. — Revision; 20 species, new: 15, 2 subspecies, 3 varieties; keys; descriptions.
- 1989. *Semeiocardium Zoll.; is it a good genus? Studies in Balsaminaceae: IX*. Kew Bull. 44: 107–113, 1 fig. — = Impatiens; 1 new subspecies.
- GROENENDIJK, J.J. 1988. *Index of higher plants and ferns*. Dept. Forestry, State Agric. Univ., Wageningen, The Netherlands. Mimeograph. 13 pp. — To Dammerman's Agricultural zoology of the Malay Archipelago (1929).
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- HA, C.O., et al. 1988. *Reproductive patterns of selected understorey trees in the Malaysian rain forest: the apomictic species*. Bot. J. Linn. Soc. 97: 317–331, 36 fig, 2 tab. — Study of Garcinia ssp. (Clusiaceae).
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- HALL, A.V. 1988. *Pest control in herbaria*. Taxon 37: 885–907. — Important survey of pests and their control.
- HALLÉ, N. 1988. *Santalaceae*. Flore de la Nouvelle-Calédonie et Dépendances 15: 99–152, 16 fig.
- HAM, R.W.J.M. VAN DER. 1989. *Tectum architecture in pollen of Sapindaceae – Nepheleiae*. Acta Bot. Neerl. 38: 98. — Abstract; 2 main types, one with 5 morphological series.
- & B.J. VAN HEUVEN. 1989. *Evolutionary trends in the morphology and harmomegathy of the pollen of the genus Guioa (Sapindaceae-Cupaniaceae)*. Blumea 34: 21–60, 6 fig, 9 pl, 1 tab. — 4 evolutionary trends; pollen of 'most primitive' group similar to that of 'primitive' Cupaniaceae.
- HAMILTON, L.S. & D.H. MURPHY. 1988. *Use and management of Nipa palm (Nypa fruticans, Arecaceae): a review*. Econ. Bot. 42: 206–213.
- HAMMEN, T. VAN DER. 1988. *The tropical flora in historical perspective*. Taxon 37: 515–518. — A brief survey of factors influencing its evolution.

- HANSEN, B. 1988. *A revision of Thysanostigma (Acanthaceae)*. Nord. J. Bot. 8: 227–230, 2 fig. — 2 species, 1 new comb. (*Justicia odontites*, *J. trichodes*, *J. johorensis*).
- HANSEN, C. 1988. *The genus Campimia (Melastomataceae)*. Willdenowia 17: 147–151, 2 fig. — 1 species; key to related genera.
- HARA, H. 1988. *A revision of the Asiatic species of the genus Disporum (Liliaceae)*. Bull. Univ. Museum, Tokyo 31: 163–209, 20 fig. — 4 sections, 2 new, 9 new comb., 1 Malesian; key; descriptions.
- HARA, P.C. 1988. *Morphological study of Musa acuminata subsp. malaccensis (Ridley) Simmonds to determine taxonomic characteristics*. Saussurea 19: 187–214, 10 fig, 8 tab.
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- HATTERSLEY, P.W. 1988. *Variations in photosynthetic pathway*. In: T.R. Soderstrom et al., Grass systematics and evolution: 49–64, 5 fig, 5 tab. — Summary of C₃ and C₄ photosynthesis in grasses; C₄ probably of polytopic origin. (Gramineae).
- HAY, A. 1988. *Cyrtosperma (Araceae) and its Old World allies*. Blumea 33: 427–469, 18 fig. — Revision of *Cyrtosperma* (11 sp., 6 new), *Lasia* (2/0), *Lasiomorpha* (1/0), *Podolasia* (1/0); new combination in *Urospatha*; keys, descriptions.
- HAYNES, R.R. 1988. *Reproductive biology of selected aquatic plants*. Ann. Missouri Bot. Gard. 75: 805–810.
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- *HEGNAUER, R. 1989. *Chemotaxonomie der Pflanzen 8. Nachträge zu Band 3 und Band 4 (Acanthaceae bis Lythraceae)*. xii, 718 pp, 411 fig, 185 tab, 1 app. Birkhäuser Verlag, Basel, etc. ISBN 3-7643-1895-3. Price unknown. (In German). — Another volume in this encyclopedic series.
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- HELMKE, D. 1978. *Das Entwässerungssystem der Nord-Seite des Zentralgebirges von Irian-Jaya (Indonesien) zwischen Habluri und Sepik nach LANDSAT-Szenen*. Mensch, Kultur und Umwelt im Zentralen Bergland von West Neuguinea 13: 1–12, 1 fig, 1 tab, 5 fold-out plates, maps.
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- HEWSON, H.J. 1988. *Plant indumentum, a handbook of terminology*. Austr. Fl. & Fauna Ser. 9: vii, 27, 3 fig. — Very useful!
- HEIJDEN, E. VAN DER. 1988. *Seed anatomy of the Annona group (Annonaceae)*. Acta Bot. Neerl. 37: 324. — Abstract; 5 types.
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- HEYWOOD, V.H. 1988. *Rarity: a privilege and a threat*. In: W. Greuter & B. Zimmer, Proc. XIV Int. Bot. Congr., Berlin: 277–290, 1 tab.
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- *KLUCKING, E.P. 1989. *Leaf Venation Patterns 3. Myrtaceae*. 279 pp, 151 fig. J. Cramer, Berlin, Stuttgart. ISBN 3-443-50003-X. DM 260. — Procedures, terminology, key, descriptions.
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- 1988. *Novelties in Heritiera Dry. and Scaphium Schott & Endl. (Sterculiaceae).* Reinwardtia 10: 477–478. — 1 new species each.
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- 1987. *Epacridaceae*. Fl. Thail. 5: 70–71, 1 fig. — 1 species.
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- 1987. *Salicaceae*. Fl. Thail. 5: 121–123, 1 fig. — 1 genus, 2 species.
- 1987. *Thismiaceae*. Fl. Thail. 5: 124–126, 1 fig. — 1 genus, 2 species.
- 1987. *Valerianaceae*. Fl. Thail. 5: 127–129, 1 fig. — 1 species.
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- LAUBENFELS, D.J. DE. 1988. *Coniferales*. Fl. Males. I, 10: 337–453, 94 fig. — 5 families, 12 genera, 77 species (3 new Dacrydium, 1 Falcatifolium, 1 new section, 1 new species in Agathis, 1 new var. in Libocedrus).
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- LEE, M.A.B. 1989. *Seed and seedling production in Pandanus tectorius*. Biotropica 21: 57–60, 1 fig, 3 tab.
- LEENHOUTS, P.W. 1988. *Notes on some genera of the Sapindaceae–Cupanieae*. Blumea 33: 197–213. — Diploglottis new for Malesia, 2 species in Papua New Guinea; Euphorianthus resurrected, 1 species, comb. nov.; Sarcotoechia new for Malesia represented in New Guinea 1 new subgenus, 5 new species; Malesian species of Toechima reduced to a subspecies of the Australian T. erythrocarpum; Trigonachras revised: 8 species, 5 new, new records for Celebes and New Guinea.
- 1988. *A revision of Alectryon (Sapindaceae) in Malesia*. Blumea 33: 313–327, 4 fig. — 2 subgenera (1 new), 10 species, descriptions, key.
- LEEUWENBERG, A.J.M. 1988. *Series of revisions of Apocynaceae. Part XXI. Notes on Tabernaemontaneae*. Agric. Univ. Wageningen Pap. 87/5: 1–32, 2 fig. — Several new combinations, many reductions; partial keys; index to all combinations and synonyms.

- 1988. *Series of revisions of Apocynaceae. Part XXIII. The African species of Ochrosia Juss.* Agric. Univ. Wageningen Pap. 87/5: 45–53, 1 fig. — 2 species, also Malesian; descriptions.
- LEINS, P. & C. ERBAR. 1988. *Einige Bemerkungen zur Blütenentwicklung und systematische Stellung der Wasserpflanzen Callitricha, Hippuris und Hydrostachys.* Beitr. Biol. Pfl. 63: 157–178, 65 fig. — Callitricha in Lamiales, Hippuris compared to Cornaceae, Dipsacaceae.
- *— et al. (Eds.). 1988. *Aspects of floral development.* vii, 239 pp, illus. J. Cramer, Berlin, Stuttgart. ISBN 3-443-50011-0. Price unknown. — Proceedings of the double symposium 'Floral development: evolutionary aspects and special topics', Berlin, 1987.
- et al. 1988. *Note on the floral development of Thottea (Aristolochiaceae).* Blumea 33: 357–370, 36 fig. — 'Styles' may represent independent, phylogenetically secondary organs.
- LEMKE, D.E. 1988. *A synopsis of Flacourtiaceae.* Aiso 12: 29–43, 1 tab. — 10 tribes (key), 79 genera; excl. Abatieae, Lacistermeae, Paropsieae, Trichostephaneae.
- LES, D.H. 1988. *The origin and affinities of the Ceratophyllaceae.* Taxon 37: 326–345, 4 fig, 9 tab. — Not related to Nymphaeales (e.g. Cabomba), but separately evolved from an ancient angiosperm line; Ceratophyllales, new order.
- 1988. *Breeding systems, population structure, and evolution in hydrophilous angiosperms.* Ann. Missouri Bot. Gard. 75: 819–835, 1 fig, 6 tab.
- LI, H.-W. 1988. *Taxonomic review of Isodon (Labiatae).* J. Arn. Arb. 69: 289–400, 9 fig. — Plectranthus sensu Keng (Fl. Males.) reduced; 3 sections, 10 series, 96 species, 10 varieties, 21 new combinations; keys; descriptions; collector's list.
- LIANG, Y.-H. 1988. *Pollen morphology of the family Zingiberaceae in China. — Pollen types and their significance in the taxonomy.* Acta Phytotax. Sin. 26: 265–281, 1 fig, 2 tab.
- LOCK, J.M. 1988. *Cassia sens. lat. (Leguminosae – Caesalpinoideae) in Africa.* Kew Bull. 43: 333–342. — Senna, Chamaecrista recognized; 38 new combinations.
- LONSDALE, M. & R. BRAITHWAITE. 1988. *The shrub that conquered the bush.* New Scientist 1634 (15 Oct.): 52–55, col. illus, map. — Mimosa pigra (Leguminosae) as an aggressive weed in the Northern Territory of Australia, see also S.S. Tjitrosoedirdjo (1988/9).
- LOURTEIG, A. 1988. *Nomenclatura plantarum americanarum. VII. Leguminosae.* Phytologia 65 (5): 393–401 (In Spanish). — Nomenclature in Canavalia, Clitoria, Lonchocarpus, Senna.
- 1988. *Nomenclatura plantarum americanarum. VIII. Boraginaceae.* Phytologia 65 (5): 383–389, 2 fig. (In Spanish). — Nomenclature of Tournefortia.
- LOWRY II, P.P., et al. 1989. *New combinations and name changes for some cultivated tropical Old World and Pacific Araliaceae.* Baileya 23: 5–13. — Nomenclature of species of Delarbrea, Polyscias, Schefflera (3 new comb.), Tetraplasandra.

- LU, L. 1988. *A supplemental genus to the flora of Xizang – Pygeum*. Acta Bot. Yunn. 10: 362–364, 1 fig. — *Pygeum wilsonii* with 2 varieties, 1 new.
- LUGARDON, B., et al. 1988. *Structures polliniques chez les Araceae – I, tribu des Spathiphyllae*. J. Palynol. 23/24: 51–57, 2 fig. (In French, Engl. summ.).
- MABBERLEY, D.J. 1988. *Meliaceae*. Flore de la Nouvelle-Calédonie et Dépendances 15: 17–89, 12 fig.
- MACFARLANE, T.D. 1988. *Poaceae subfamily Pooideae*. In: T.R. Soderstrom et al., Grass systematics and evolution: 265–276, 2 tab. — Survey of its 2 supertribes, 4 tribes in Poodeae, 3 in Triticodae, Stipeae excluded, c. 160 genera, c. 3000 species.
- MACHARIA, J.N.M. & S.K. IMBABAMBA. '1986', 1987. *C₃, C₄ photosynthetic types and C₄ Kranz sub-types: occurrence, distribution, and photosynthesis*. E. Afr. Agric. For. J. 52: 88–100, 5 fig, 3 tab. — Survey of Kenya taxa; many printing errors in tables 1 and 2.
- MADULID, D.A. 1987. *Guide to botanical collecting density in the Philippines*. Acta Manil. 36: 59–66, 1 map. — Pinpointing which places to go and which to avoid.
- MAEKAWA, Y. 1989. *Five new combinations under Heterotropa (Aristolochiaceae), Japan*. J. Jap. Bot. 64: 59–60. — Formerly in Asarum.
- MAHYAR, U.W. 1988. *Observations on some species of the orchid genus Renanthera Loureiro*. Reinwardtia 10: 399–418, 4 fig. — Revision based on Bogor, Leiden, and living material; 9 species, 1 new variety; descriptions; key; R. sarcanthoides = Porphyrodesme.
- MAK, C. & S. SANKARAN. 1987. *A study of intra- and inter-species variation in the genus Capsicum*. Mal. J. Sc. 9: 47–56, 6 tab. — Wide variation within and between species; corolla spots, yellow anthers diagnostic for C. baccatum.
- MALIK, K.A. & A. GHAFOOR. 1988. *Acanthaceae*. Fl. Pakistan 188: 1–79, 11 fig. — 18 genera, 60 species.
- MALKMUS, R. 1988. *Wanderungen im Mount Kinabalu-Nationalpark / Nordborneo*. Nat. & Mus. 118: 161–181, 21 fig. (In German). — General account of flora and fauna.
- MANCHESTER, S.R. 1987. *The fossil history of the Juglandaceae*. Monogr. Syst. Bot., Missouri Bot. Gard. 21: 1–137, 54 fig, 7 tab. — Evolved from Normapolles complex in late Cretaceous or early Paleocene in the Northern hemisphere (North America, Europe); 4 extant tribes present in Eocene, then greatest diversity.
- MARTIN, P.G. & J.M. DOWD. 1988. *A molecular evolutionary clock for Angiosperms*. Taxon 37: 364–377, 4 fig, 4 tab. — Comparison of N-terminal amino acid sequences from members of Proteaceae, Nothofagus, Solanum, Winteraceae.
- MARTINEZ-LABORDE, J.B. 1988. *Some comments on a recent classification of the Monimiaceae*. Taxon 37: 834–837, 2 fig. — On Philipson, 1987.
- MATHEW, L. & G.L. SHAH. 1985. *Morphology and ontogeny of trichomes in four taxa of Vitex l. (Verbenaceae)*. Bull. Bot. Soc., Bengal. 41: 29–32, 28 fig.

MATHEW, P.M. & O. PHILIP. 1987. *Developmental and systematic significance of pollen bud formation in Ophiorrhiza Linn.* New Bot. 14: 47–54, 13 fig, 2 tab. — Because of curious bud-forming and elimination of vegetative nucleus recognition of tribe Ophiorrhizeae supported.

*MATTHEW, K.M. 1988. *Further illustrations of the Flora of the Tamilnadu Carnatic.* The Flora of the Tamilnadu Carnatic 4: 1–915, 834 pl., 3 app. Rapinat Herbarium, St. Joseph's College, Tiruchirapalli 620 002, India. RS 180.00, £ 30.00, \$ 60.00. — A very useful work illustrating many wide-spread S.E. Asian species.

MAXWELL, J.F. 1988. *Re-identification of the weed Mimosa invisa Mart. ex Colla (Leguminosae, Mimosoideae) and a new record and new combination of the variant formerly known as Mimosa invisa var. inermis Adelb. in Thailand.* Songkranakarin J. Sc. Techn. 10: 169–172, 2 fig. — The typical var. and var. inermis compared; combination previously made in Fl. Males. Bull. 9 (1987) 416, and by Verdcourt (1988), q.v.

MCCLINTOCK, D. & J.B. MARSHALL. 1988. *On Conyza sumatrensis (Retz.) E. Walker and certain hybrids in the genus.* Watsonia 17: 172–173. — Neotype appointed.

MCCOY, R.E. 1988. *What's killing the palm trees?* Nat. Geogr. 174: 120–130, col. pl. — Popular account of the lethal yellowing disease.

MCKEE, D. 1988. *Cecropia peltata, an introduced neotropical pioneer tree, is replacing Musanga cecropioides in Southwestern Cameroon.* Biotropica 20: 62–264, 1 map, 11 tab. — Very aggressive weed species, cultivated also in Bogor and Singapore, from where it may escape.

MCKEY, D. 1988. *Promising new directions in the study of ant-plant mutualisms.* In: W. Greuter & B. Zimmer, Proc. XIV Int. Bot. Congr., Berlin: 335–355.

MEDAN, D. 1988. *Gynoecium ontogenesis in the Rhamnaceae. A comparative study.* In: P. Leins et al. (Eds.), Aspects of floral development: 133–141, 14 fig.

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*METCALFE, C.R. & L. CHALK. 1988. *Anatomy of the Dicotyledons, Vol. 1, ed. 2.* ix, 276 pp, 17 pl. and many other fig. Oxford Science Publications, Clarendon Press, Oxford. ISBN 0-19-854383-2 and 0-19-854253-4 (paperback). £ 25.00. — Important second edition with many introductory chapters; lists of families with certain diagnostic features; bibliography.

MEIJDEN, R. VAN DER (Ed.). 1988. *Polygalaceae.* Fl. Males. I, 10: 455–539, 26 fig. — 6 genera (incl. Xanthophyllum), Eprixanthes by T. Wendt; 108 species; Polygala with 1 new section (for Bredemeyera sect. Melchiora), 1 comb. nov.; 1 new subspecies in Securidaca; 2 new species in Eprixanthes; 1 new in Xanthophyllum.

MEIJER, W. & J.F. VELDKAMP. 1988. *A revision of Rhizanthes (Rafflesiaceae).* Blumea 33: 329–342, 3 fig. — 2 species, key, descriptions.

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- 1986. *A gymnospermous floristic analysis of Hainan island*. Acta Sc. Nat. Univ. Sunyatseni 1986/4: 57–63 (In Chinese, Engl. summ.). — Gymnosperms originated in Cathaysia.
- *MILL, S.W., et al. 1988. *Indexed bibliography on the flowering plants of Hawai'i*. vi + 215 pp. Bishop Museum, Honolulu. ISBN 0-8248-1169-0. Price unknown. — Very useful survey.
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- MÖHLMANN, F. 1988. *Ein interessanter Wasserkelch: Cryptocoryne elliptica Hooker f.* Aqua-Planta 13: 110–112, 2 fig, 2 col. pl. (In German).
- MORDEN, C.W., et al. 1989. *Allozyme variation in Old World races of Sorghum bicolor (Poaceae)*. Am. J. Bot. 76: 247–255, 2 fig, 7 tab. — Continuous variation.
- MORIYA, H., et al. 1988. *Growth and death of forest trees*. In: K. Ogino & M. Chihara, Biol. Syst. Mangroves: 119–122. (n.v.).
- et al. 1988. *Specific characteristics of leaf dynamics*. In: K. Ogino & M. Chihara, Biol. Syst. Mangroves: 123–136. (n.v.).
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- MUELLER-DOMBOIS, D. 1988. *Canopy die-back and ecosystem processes in the Pacific area*. In: W. Greuter & B. Zimmer, Proc. XIV Int. Bot. Congr., Berlin: 445–465, 5 fig.
- MURATA, G. 1988. *Monpa-no-ki*. Acta Phytotax. Geobot. 39: 164 (In Japanese). — *Messerschmidia argentea* brought to Argusia.
- MURATA, J. 1988. *Morphology and distribution of Balanophora fungosa J.R. et G. Forst. (Balanophoraceae)*. J. Jap. Bot. 63: 201–210, 4 fig. — Found around but not yet in Borneo.
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- MYERS, N. 1988. *Tropical forests and the botanists' community*. In W. Greuter & B. Zimmer, Proc. XIV Int. Bot. Congr., Berlin: 291–300, 2 tab.
- NAIR, G.G., et al. 1988. *A chemotaxonomic assessment of the status of some infraspecific taxa of Ipomoea Linn.* Curr. Sc. 57: 527–529, 1 tab. — *Ipomoea cairica*, *I. pulchella*, *I. brasiliensis*, *I. stipulacea*, *I. sepiaria* distinguished, lobed and unlobed leaf-forms of *I. pes-tigridis* conspecific.
- NAIR, K.K.N. 1987. *A catalogue of Robert Wight's collection of flowering plants from Courtallum (Tamil Nadu) at Central National Herbarium (CAL)*. J. Econ. Tax. Bot. 11: 375–381. — Original numbers, some also in U (not in TL-2!).
- 1987. *Medhya rayana drug 'Brahmi' – its botany, chemistry and uses*. J. Econ. Tax. Bot. 11: 359–365, 1 fig. — *Bacopa moninieri* (Scrophulariaceae): description, synonymy.
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- NARAYANA, P.S. & L.L. NARAYANA. 1989. *Chemotaxonomy of Basellaceae*. Curr. Sc. 58: 262–264, 2 tab. — Closest to Portulacaceae.
- NASKAR, K. & N.M. CHAKRABARTY. 1987. *Studies of the family Lemnaceae from the lower Ganga delta*. Bull. Bot. Soc., Bengal. 41: 5–12, 4 fig, 2 tab. — Keys; literature; diagnoses; ecological factors.
- NAYAR, M.P. & G.S. GIRI. 1988. *Parardisia – A new genus in the family Myrsinaceae with two species*. Bull. Bot. Surv. India 28 ('1986'): 247–252, 2 fig, 1 tab. — 1 from the Himalaya, the other (new) from Sarawak, very strange.
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- NG, F.S.P. 1988. *Forest tree biology*. In: Earl of Cranbrook (Ed.), Malaysia (Key environments): 102–125, 8 fig, 4 tab, 1 app. — See Reviews.
- 1988. *Three new taxa in Elaeocarpus in the Malay Peninsula*. Gard. Bull., Singapore. 41: 43–44.
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- NICOLETTI, M., et al. 1988. *A systematic study of Scrophulariaceae: iridoid glycosides*. Giorn. Bot. Ital. 122: 13–24, 3 tab. — Three main groups, one without iridoids.
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- NOOTEBOOM, H.P. 1988. *A new species of Symplocos (Symplocaceae) from Sulawesi*. Blumea 33: 263–264, 1 fig.
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- NOR, S.M. 1988. *Forest management*. In: Earl of Cranbrook (Ed.), Malaysia (Key environments): 126–137, 1 map, 4 tab. — See Reviews.
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- 1988. *Taxonomy of the endemic African genus Clappertonia Meissner (Tiliaceae)*. Feddes Report. 99: 267–271, 3 fig. — 2 species; key.
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- 1988. *Photinia serratifolia (Rosaceae) in Taiwan*. J. Jap. Bot. 63: 233–234. — 3 varieties, in Malesia var. lasiopetala.
- et al. 1988. *Taxonomic studies on the Leguminosae of Taiwan. II*. Sc. Rep. Tohoku Univ. IV, 39: 53–66, 2 fig, 1 tab.
- et al. 1988. *Taxonomic studies on the Leguminosae of Taiwan. III*. Sc. Rep. Tohoku Univ. IV, Biol. 39: 191–248, 3 fig, 2 tab. — 147 species, 2 new comb.; key for Pueraria; vertical distribution.
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- 1989. *Genus Yushania*. The bamboos of the World: 53 pp, 61 map. — 1 species in the Philippines. (Gramineae).

- OKADA, H. 1988. *Karyomorphological observations of Apostasia nuda and Neuwidia veratrifolia (Apostasioideae, Orchidaceae)*. J. Jap. Bot. 63: 344–350, 7 fig, 1 tab. — $x = 12$; no karyological relationship with Cypripedioideae.
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- OMANAKUMARI, N. & P.M. MATHEW. *Karyomorphological studies on two species of Costus L.* New Bot. 15: 33–37, 1 fig, 2 tab. — *Costus malortieanus* ($2n = 18$), *C. speciosus* (36); survey of chromosome numbers in genus.
- OMER, S. 1988. *Pandanaceae*. Fl. Pakistan 187: 1–3, 1 fig. — 1 cultivated species, *P. tectorius*, only male specimens seen.
- & R.Y. HASHMI. 1987. *Typhaceae*. Fl. Pakistan 177: 1–8, 2 fig. — 5 species.
- OOMMACHAN, M. & J.L. SRIVASTAVA. 1988. *Spigelia anthelmia Linn. – A new record for India*. J. Bomb. Nat. Hist. Soc. 84 ('1987'): 730–732, 1 fig. — Madhya Pradesh; introduced from South America; description. (Loganiaceae).
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- OUTER, R.W. DEN & W.L.H. VAN VEENENDAAL. 1988. *Wood anatomy of Connaraceae in the light of reduction of the number of genera*. Acta Bot. Neerl. 37: 323. — Abstract; 4 groups, 2 subgroups.
- PAGE, C.N. 1988. *New and maintained genera in the conifer families Podocarpaceae and Pinaceae*. Notes Roy. Bot. Gard. Edinburgh 45: 377–395. — E.g. *Nageia*, *Retrophyllum*, *Sundacarpus*.
- PAL, A. 1987. *Development and structure of seeds in some Euphorbia species*. New Bot. 14: 91–15, 36 fig. — E.g. of *Euphorbia heterophylla*, *E. peplus*. (Euphorbiaceae).
- PANKHURST, R.J. 1988. *Database design for monographs and floras*. Taxon 37: 733–746, 13 fig. — Example of use of popular software (e.g. dBase III, Pankey) on a PC (e.g. for Mesoamerican Rubus).
- 1988. *An interactive program for the construction of identification keys*. Taxon 37: 747–755, 4 fig. — As far as possible all mechanical aspects of writing and organisation left to the PC; based on DELTA format.
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- et al. 1988. *Halophila decipiens Ostenf. in Southern India*. Aq. Bot. 32: 179–185, 4 fig. — Study of variation.
- PARTOMIHARDJO, T. 1988. *Pengamatan beberapa aspek Biologi gulma Mimosa pigra untuk menunjang upaya pengendaiannya di Indonesia*. Pros. Konf. IX Himpunan Ilmu Gulma Indon. 2: 34–47 (n.v.). — Observations on certain aspects of the biology of the weed in relation to its control.
- PAW U, K. T. & C. HOTTON. 1989. *Optimum pollen and female receptor size for anemophily*. Am. J. Bot. 76: 445–453, 4 fig, 3 tab. — Stokes number as function of pollen size and effective receptive surface size gave c. 75% predictive accuracy.
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- PEIYOU, H. 1983. *The sandy sea shore vegetation of Hainan*. Ecol. Sc. 1983/2: 1–15, 2 fig, 4 pl, 5 tab. (In Chinese, Engl. summ.).
- PEMBERTON, R. W. & C.E. TURNER. 1989. *Occurrence of predatory and fungivorous mites in leaf domatia*. Am. J. Bot. 76: 105–112, 1 fig, 1 tab. — Hypothesis of facultative mutualism.
- PENG, C.I., et al. 1988. *Unwelcome naturalization of Parthenium hysterophorus (Asteraceae) in Taiwan*. J. Taiwan Mus. 41: 95–101, 3 fig. — Bad weed, causing dermatitis and hayfever in man, foodpoisoning in cattle; can perhaps be eradicated with Bromacil.
- PENG, S., et al. 1983. *Research on the species diversity of plants of the subtropical forests in Guangdong*. Ecol. Sc. 1983/2: 98–104, 4 fig, 4 tab. (In Chinese, Engl. summ.).
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- 1988. *Trimeniaceae*. Identification lists of Malesian specimens no. 68: 1–3.
- & M.N. PHILIPSON. 1988. *A classification of the genus Nothofagus*. Bot. J. Linn. Soc. 98: 27–36, 3 fig, 2 tab. — 2 subgenera (1 new), 3 sections, 3 subsections (1 new).
- PHILLIPS, R.C. & E.G. MENEZ. 1988. *Seagrasses*. Smithson. Contr. Mar. Sc. 34: 104 pp, 39 map, 57 fig, 4 tab. — Summary of present state of knowledge; key; descriptions.
- PHUPHATHANAPHONG, L. 1987. *Aristolochiaceae*. Fl. Thail. 5: 1–31, 19 fig. — 2 genera, 17 species; vegetative, generative keys.
- POHL, R.W. 1988. *Man and the grasses: a history*. In: T.R. Soderstrom et al., Grass systematics and evolution: 355–358. — History of classifications. (Gramineae).

- *POLUNIN, I. 1988. *Plants and flowers of Singapore*. 160 pp, 220+ col. pl. Times Editions, Singapore. ISBN 9971-40-114-2. Sing\$ 29.90 (n.v.). — See Reviews.
- POWELL, J.M. 1987. *Classification and generic status in the Epacridaceae – A preliminary analysis*. Austr. Syst. Bot. Soc. News. 53: 70–78, 4 fig, 1 tab. — Cladistic approach.
- PRAKASH, V. & B.N. MEHROTRA. 1987. *Taxonomic notes on the flora of Meghalaya*. J. Econ. Tax. Bot. 11: 195–199. — For instance on *Diplocisia glaucescens* (Menispermaceae).
- PRAMANIK, A. & K. THOTHATHRI. 1988. *The status of the genus Alhagi Gagnep. in Hedsareae s.l.* Bull. Bot. Surv. India 28 ('1986'): 198–202, 4 fig. — To new tribe Alhagieae. (Leguminosae).
- PRANCE, G.T. 1987. *Notulae de Chrysobalanaceis malesianis precursoriae*. Brittonia 39: 364–370, 2 fig. — 2 new species, 1 new comb., subspecies in *Parinari costata* and *P. papuana*. (Chrysobalanaceae).
- & D.G. CAMPBELL. 1988. *The present state of tropical floristics*. Taxon 37: 519–548, 16 fig, 8 tab. — Analysis of the growth rate of tropical herbaria based on a worldwide poll; overall rates have not increased despite the increasing loss of habitats and species.
- & F. WHITE. 1988. *The genera of the Chrysobalanaceae: a study in practical and theoretical taxonomy and its relevance to evolutionary biology*. Philos. Trans. Roy. Soc., London, B, Biol. Sc. 320: 1–184, 44 fig, 7 tab, 4 app. — 4 new tribes, 1 subgenus, 1 species; 17 genera, ± 500 species; family distinct from Rosaceae; *Parinari* split up in 8 genera; very readable introduction; keys, descriptions; an exemplary study.
- PRASAD, M. & U. PRAKASH. 1987. *Occurrence of Malayan Dipterocarps in the Siwalik sediments of Uttar Pradesh*. Geophytology 17: 245–255, 2 pl.
- PRATIWI & Y. YAFARSIDIK. 1988. *A key for the identification of dipterocarp wildlings found in the forests around Kintap, South Kalimantan*. Bull. Pen. Hutan 498: 23–43, 17 fig. (In Indonesian, English summ.) — 'wildlings' = seedlings; 16 described; no key notwithstanding title. (Dipterocarpaceae).
- *PUFF, C. 1986. *A biosystematic study of the African and Madagascan Rubiaceae-Anthospermeae*. Pl. Syst. & Evol., Suppl. 3: ix + 535 pp, 126 fig, 10 tab. Springer Verlag Vienna, etc. ISBN 0-387-81919-3, 3-211-81919-3, ISSN 0172-6668. Price unknown. — 4 genera, 61 species; morphology, chemistry (by R.D. Wilson), floral biology; keys; descriptions; phylogeny and relationships.
- PURNELL, M.J. 1987. *Cultivating Dendrobium lineale in Queensland*. Orchadian 8: 234–236. (Orchidaceae).
- 1987. *Growing Dendrobium tangerinum in Queensland*. Orchadian 8: 252–253. — Correct name for what is commonly cultivated as *D. stebloceras*; notes on hybrids. (Orchidaceae).
- PUTZ, F.E. & S. APPANAH. 1987. *Buried seeds, newly dispersed seeds, and the dynamics of a lowland forest in Malaysia*. Biotropica 19: 326–333, 4 tab.

- *PUY, D. DU. & P. CRIBB. 1988. *The genus Cymbidium*. xx + 236 pp, 11 fig, 28 col. pl., 143 col. phot., 16 tab. Christopher Helm, Bromley, U.K. & Timber Press, Portland, Oregon, U.S.A. ISBN 0-7470-0607-5 or 0-88192-119-X, resp. Price unknown. — Revision; anatomy; cytology; pollination and fragrance; distribution and biogeography; history and methods of cultivation; other uses; taxonomy; keys; 3 subgenera; 17 sections (1 new); 44 species; 4 new subspecies; a standard reference work for the genus for a long time! The colour plates were made by Ms. C. Smith, who received a Gold Medal for them from the Royal Horticultural Society.
- RAHMAN, M. A. & C. C. WILCOCK. 1989. *Notes on tropical Asian Asclepiadaceae*. Blumea 34: 99–101. — 3 new combinations in Bidaria, 1 new variety of *Gymnema acuminatum*.
- RAHMAN, M. M. 1989. *A new species of Panicum (Gramineae) from North Vietnam*. Blumea 34: 173–176, 1 fig. — Key, e.g. to *P. amoenum*, *P. humidorum*.
- RAJPUT, M. T. M. & S. S. TAHIR. 1988. *Cuscutaceae*. Fl. Pakistan 189: 24 pp, 4 fig. — 1 genus, 14 spp.
- RAJU, A. J. S. 1988. *Pollination ecology of Jasminum angustifolium Vahl (Oleaceae)*. Proc. Ind. Nat. Sc. Acad., B, 54: 165–169, 6 tab.
- RAMP, E. 1988. *Struktur, Funktion und systematische Bedeutung des Gynoeciums bei den Rutaceae und Simaroubaceae*. 1988. 63 pp + 164 fig. Thesis, Zürich, private publication, ADAG Administration & Druck AG. Price unknown. (In German, Engl. summ.). — Apocarpy apomorphic; Toddalioideae unnatural; Simaroubaceae seem polyphyletically derived from Rutaceae.
- RANDELL, B. R. 1987. *Cassia ... one genus or three?* Austr. Syst. Bot. Soc. Newslett. 53: 85–87, 1 tab. — Three.
- 1988. *Proposal to conserve 3536 Cassia with a conserved type (Fabaceae)*. Taxon 37: 974–977, 1 tab.
- 1988. *Revision of the Cassiinae in Australia. I. Senna Miller sect. Chamaefistula (Colladon) Irwin and Barneby*. J. Adelaide Bot. Gard. 11: 19–49, 7 fig, 2 tab. — 12 species; keys; descriptions. (Leguminosae).
- RAO, N. R., et al. 1987. *The genus Adenia Forsskal (Passifloraceae) in Southern India*. J. Econ. Tax. Bot. 11: 214–245, 3 fig. — 3 species; key; descriptions.
- *RAUH, W. 1988. *Tropische Hochgebirgspflanzen. Wuchs und Lebensformen*. — See Reviews.
- RAVEN, P. H. 1988. *Onagraceae as a model of plant evolution*. In: L. D. Gottlieb & S. K. Jain, Plant Evolutionary Biology: 85–107, 3 tab. Chapman & Hall, London, New York, ISBN 0-412-292290-4 (hardback), 0-412-29300-5 (paperback).
- 1988. *Tropical floristics tomorrow*. Taxon 37: 549–560, 1 tab. — At least 20% of the total higher plant species in the world (c. 60,000) faced with extinction in the next decades: for us a well-known yet always depressing story about unwillingness to learn about and practice sustainable land use in the tropics.

- RAY, T. 1988. *Survey of shoot organization in the Araceae*. Am. J. Bot. 75: 56–84, 2 tab.
- RENUKA, C. & K.S. MANILAL. 1986. *Studies on the floral anatomy of Palmae – Arecoideae*. J. Pl. Anat. & Morph. 3: 1–8, 20 fig. — Gynoecium pseudomonomerous.
- RENZ, J. & S. VODONAIVALU. 1989. *Studies in the subtribe Habenariinae (Orchidaceae). IV. Habenaria, Peristylus, and Cynorkis from the Fiji Islands*. Blumea 34: 87–98, 5 fig. — Habenaria 2 species; Peristylus 3 new combinations.
- REVEAL, J.L., et al. 1989. *Typification of sugarcane, Saccharum officinarum L. (Poaceae)*. Taxon 38: 5–97. — Sloane HS 2: 14 (BM-SL). (Gramineae).
- RIDSDALE, C.E. 1989. *A revision of Neonauclea (Rubiaceae)*. Blumea 34: 177–275, 32 fig, 15 pl. — 65 species, 28 new, 5 new combinations; key; synonymy; descriptions; index.
- RIEGL, H. & C. RIEGL-DORN. 1988. *Heinrich Wilhelm Schott's botanical collections at the Vienna Natural History Museum*. Taxon 37: 846–854. — List of lost taxa.
- RIFAI, M.A. 1987. *Sekilas pengamatan terhadap tetumbuhan penghasil pewarna alami Indonesia*. Risalah Kongr. Ilmu Pengetahuan Nas. IV, 3: 123–151. (n.v.). — Some observations concerning plants producing natural dyes.
- *— & E.A. WIDJAJA. 1988. *Kamus biologi: anatomi, morfologi, taksonomi*. 158 pp. Depdikbud, Jakarta (n.v.). — Manual of biology: anatomy, morphology, taxonomy.
- RISWAN, S. & K. KARTAWINATA. 1988. *A lowland Dipterocarp forest 35 years after pepper plantation in East Kalimantan, Indonesia*. MAB Indon. Contr. 48: 1–39. (n.v.).
- & — 1988. *Regeneration after disturbance in a karangas (heath) forest in East Kalimantan, Indonesia*. MAB Indon. Contr. 49: 61–85. (n.v.).
- & — 1989. *Regeneration after disturbance in a lowland mixed Dipterocarp forest in East Kalimantan, Indonesia*. Ekol. Indon. 1: 9–28. (n.v.).
- & H. SOEDJITO. 1988. *Api, perlادangan berpindah dan kebakaran hutan*. MAB Indon. Contr. 49: 1–21. (n.v.). — Fires, shifting cultivation, and forest fires.
- ROBBRECHT, E. 1988. *Tropical woody Rubiaceae*. Op. Bot. Belg. 1: 1–271, 61 fig, 5 tab, 4 app. — Discussion of classification, weighing of characters leads to 4 subfamilies; important literature survey; survey of proposed classification (unfortunately not included in index); much needed manual; for Malaysian genera see K.M. Wong, 1988.
- ROGSTAD, S.H. 1989. *The biosystematics and evolution of the Polyalthia hypoleuca complex (Annonaceae) of Malesia. I. Systematic treatment*. J. Arn. Arb. 70: 153–246, 21 fig, 5 map, 4 tab, 3 app. — Discussion of theories of sympatric speciation; group monophyletic; statistical analyses of character data; 6 species, 1 new; keys; descriptions.
- RONSE DECRAENE, L.-P. & J.R. AKEROYD. 1988. *Generic limits in Polygonum and related genera (Polygonaceae) on the basis of floral characters*. Bot. J. Linn. Soc. 98: 321–371, 31 fig, 32 tab, 3 app. — Polygonum s.l. divided over 2 tribes (!); new combinations in Fallopia, Persicaria; key to 11 genera.

- ROUSSEAU, J. 1988. *Central Borneo: a bibliography*. Sarawak Mus. J., Sp. Monogr. 5: ix, 274 pp, 1 fig, 12 map, 11 tab. — Good for ethnology, but also for botany.
- ROY, G.P. & S.K. DIXIT. 1987. *Additions to the flora of Madhya Pradesh - II (some new distributional record)*. J. Econ. Tax. Bot. 11: 173–176. — p. 175: *Scleria pergracilis*, *Arundinella metzii*, *Sporobolus piliferus* described.
- RUAN, Y.-Z. 1988. *Notes on the genus Prismatomeris Thw. (Rubiaceae) of China*. Acta Phytotax. Sin. 26: 443–449, 1 fig, 2 tab. (In Chinese, Engl. summ.). — Separate tribe suggested; 6 species compared.
- RUBELI, K. 1988. *Malaysia. Conservation gains (and losses)*. Habitat 16/2: 23–25, col. pl. — Notes on Endau Rompin National Park; how to get there.
- RUDALL, P.J. & H.P. LINDER. 1988. *Megagametophyte and nucellus in Restionaceae and Flagellariaceae*. Am. J. Bot. 75: 1777–1786, 33 fig, 1 tab.
- RUGAYAH. 1988. *Jenis-jenis Desmodium di Indonesia yang berpotensi sebagai gulma*. Pros. Konf. IX Himpunan Ilmu Gulma Indon. 2: 10–16. (n.v.). — Potential weed species.
- RYE, B.L. 1988. *A revision of Western Australian Thymelaeaceae*. Nuytsia 6: 129–278, 82 fig. — Full revision; Thecanthes recognized.
- SAKAI, K.-I., et al. 1987. *Studies on the breeding structure of tree species in the tropical rainforest. I. Family clumps and intrapopulation differentiation*. Biotropia 1: 1–25, 5 fig, 11 tab, 3 app. — *Altingia excelsa* has considerable inbreeding, closely standing specimens closely related, *Agathis borneensis* outbreeding without such clumping. (Araucariaceae, Hamamelidaceae).
- *SALDANHA, C.J. (Ed.). 1985. *Flora of Karnataka. I. Magnoliaceae to Fabaceae*. ix, 535 pp, 62 fig, 18 col. pl, 3 map, 1 tab, 1 graph. A.A. Balkema. ISBN 90-6191-427-2. Dfl. 84.00 (incl. VAT). — See Reviews.
- SALLEH, K.M. & A. LATIFF. 1989. *A new species of Rafflesia and notes on other species from Trus Madi Range, Sabah (Borneo)*. Blumea 34: 111–116, 3 fig. 1 tab. — *Rafflesia tengku-adlinii* (see Chapter 9), notes on *R. keithii*.
- SANJAPPA, M. 1987. *The Indigoferas of Sri Lanka*. J. Econ. Tax. Bot. 10: 329–346, 1 app. — 18 species; key; descriptions. (Leguminosae).
- SANTISUK, T. 1987. *Bignoniaceae*. Fl. Thail. 5: 32–66, 23 fig. — 12 indigenous genera, 23 species; keys, also to 19 cultivated taxa.
- SARKAR, A.K. 1988. *Primulaceae – Its evolution and assessment in status as judged through cytobotany*. Feddes Repert. 99: 113–132, 38 fig, 2 tab.
- SATTAUR, O. 1989. *Grass grows into a hedge against erosion*. New Sc. 1664 (13 May): 38–39, 4 fig. — *Vetiveria zizanioides* planted along contours a powerful weapon against erosion; ‘wonder grass’.
- SATYAVATHI, D.V.L. & L.L. NARAYANA. 1987. *Chemotaxonomy of some Boraginaceae*. J. Econ. Tax. Bot. 11: 95–101, 12 fig, 3 tab. — Segregation of Ehretiaceae, and place in Verbenales not supported.

- SAULEI, S.M. 1988. *Resource allocation pattern in a perennial grass species Spinifex littoreus (Burm. f.) Merr.* Sc. New Guinea 14: 8–14, 3 tab.
- SAVILLE, D.B.O. 1988. *Use of rust fungi (Uredinales) in determining ages and relationships in Poaceae.* In: T.R. Soderstrom et al., Grass systematics and evolution: 168–178, 2 fig, 6 tab. — Bambusoideae oldest, of African origin, then Arundinoideae and Andropogonoideae, then Panicoideae, Chloridoideae, Pooideae; Olyreae in Panicoideae, Oryzoideae far from Bambusoideae, isolated.
- SCHATZ, G. 1988. *Formation of organelles and the organization of the eukaryotic cytoplasm.* In: W. Greuter & B. Zimmer, Proc. XIV Int. Bot. Congr., Berlin: 133–135.
- SCHOLZ, H. 1988. *Zwei neue Taxa des Eragrostis pilosa-Komplexes (Poaceae).* Willdenowia 18: 217–222, 1 fig. — Also notes on E. multicaulis.
- SCHUITEMAN, A. 1988. *Orchideeën uit het bergland van Nieuw-Guinea IV.* Orchideeën 50: 175–179, 1 fig. (In Dutch, Engl. summ.). — Notes on Corybas from Papua New Guinea. (Orchidaceae).
- 1989. *Two new species of Mediocalcar (Orchidaceae) from New Guinea.* Blumea 34: 167–172, 2 fig.
- SCHWEINFURTH, U. 1988. *Pinus in Southeast Asia.* Beitr. Biol. Pfl. 63: 253–269, 2 fig, 1 tab. — Discussion on vegetation maps, habitat factors, man's influence. (Pinaceae).
- SEBERG, O. 1987. *The genera Oreobolus R. Br. & Schoenoides Seberg (Cyperaceae). List of specimens seen.* 43 pp. Mimeogr. — Arranged by taxon, so you have to know what it is before you can use this list. A rather useless exercise.
- 1988. *Leaf anatomy of Oreobolus R. Br. and Schoenoides Seberg (Cyperaceae).* Bot. Jb. 110: 187–214, 5 fig, 1 tab. — Cladistics, key.
- SEIDENFADEN, G. 1988. *Orchid genera in Thailand. XIV. Fifty-nine vandoid genera.* Op. Bot. 95: 1–398, 220 fig, 38 col. pl. — 206 species, some Malesian, 1 new genus, 22 new species, 11 comb. nov., keys; notes. (Orchidaceae).
- SEMIKHOV, V.F. 1988. *The conception of amino-acid composition of seeds in the hypothetical ancestor of grasses (Poaceae) and its application for the aims of systematics of the family.* Bot. Dzj. 73: 1225–1234 (In Russ., Engl. summ.). — Arundinoid-chloroids a single evolutionary line related to the panicoid one.
- SENDULSKY, T., et al. 1988. *Fruits, embryos, and seedlings.* In Soderstrom, T.R., et al. 1988: 31–36. — Of grasses, a review. (Gramineae).
- SENGHAS, K. 1988. *Eine neue Gliederung der Subtribus Aëridinae (= Sarcanthinae).* Orchidee 39: 219–223, 1 fig. (In German). — History; survey of generic groups. (Orchidaceae).
- 1988. *Wiederentdeckung der Gattung Megalotus.* Orchidee 39: 108–110, 3 fig (1 col.). (In German). — History, description, culture. (Orchidaceae).
- 1989. *Acriopsis javanica.* Orchidee 40, Orchideenkartei: 557–558, 1 col. pl, 1 fig. (In German). — Description, key to varieties, cultivation, notes. (Orchidaceae).

- 1989. *Die Gattung Pteroceras, mit einer neuen Art, Pteroceras pustulatum, von den Philippinen.* Orchidee 40: 2–6, 5 fig, 4 col. pl. (In German). — Diagnoses of 3 other species in cultivation in C. Europe. (Orchidaceae).
- SFOGGIA MIOTTO, S.T. 1987. *Os géneros Centrosema (DC.) Benth. e Clitoria L. (Leguminosae, Faboideae) no Rio Grande do Sul.* Iheringia, Bot. 35: 15–39, 41 fig. (In Portuguese, Engl. summ.). — Revision, descriptions, keys.
- SHARMA, A.K. & J.S.P. SHARMA. 1988. *Chromosome structure rearrangements and genome relationship in Maydeae.* Feddes Repert. 99: 291–337. — Compilation from literature. (Gramineae).
- SHARMA, D. 1987. *Typha - Economically underutilized plant.* J. Econ. Tax. Bot. 10: 351–354. — Typha. (Typhaceae).
- SIDIYASA, K. 1988. *Some aspects of the ecology of Diospyros celebica and Kalappia celebica at Wotu District, South Sulawesi.* For. Res. Bull. 504: 23–44, 1 fig, 9 tab, 1 app. (In Indonesian, Engl. summ.).
- SIDU, M. & M.K. AHLUWALIA. 1988. *Pollen studies in grass weeds of Punjab plains, India.* New Bot. 15: 39–50, 22 fig, 3 tab. — Oplismenus burmanni 1,2-zonoporate; key to 21 species.
- SIMBOLON, H. & SUKENDAR. 1988. *Komposisi jenis tumbuhan bawah dataran Lelofui Gunung Mutis, Timor.* Pros. Konf. IX Himpunan Ilmu Gulma Indon. 1: 11–16. (n.v.). — Composition of the terrestrial flora.
- SIMON, B.K. 1988. *The biogeography of tropical Australian grasses.* Proc. Ecol. Soc. Austr. 15: 267–269, 1 tab.
- SIMPSON, D.A. 1988. *A re-appraisal of Eleocharis setifolia & E. nigrescens.* Kew Bull. 43: 423–430, 1 fig, 1 tab. — 1 new species from C. America, 1 new subspecies; E. nigrescens sensu Fl. Males. I, 7, p. 533 = E. setifolia (A. Rich.) Raynal ssp. setifolia.
- SINGH, B.P. & S.K. VARMA. 1987. *Flavonoids in the taxonomy of Cyperaceae.* J. Econ. Tax. Bot. 11: 345–348, 2 tab. — 8 species of Cyperus: Kyllingia, Cyperus, Mariscus congeneric.
- SINGH, N.P. 1987. *Nomenclatural adjustments in the Indo-ceylonese Mesua ferrea complex.* J. Econ. Tax. Bot. 10: 203–204. — 1 comb. nov. (Clusiaceae; Guttiferae).
- SINGH, V. 1987. *The genus Cassia (Caesalpiniaceae) – Some new taxa and combinations from India.* J. Econ. Tax. Bot. 10: 321–327, 3 fig. — 2 new species, 1 new variety; C. agnes superfluously renamed.
- SIVADASAN, M. 1989. *Amorphophallus smithsonianus (Araceae), a new species from India, and a note on A. sect. Synantherias.* Willdenowia 18: 435–440, 19 fig. — Sect. Synantherias reduced to sect. Rhaphiophallus.
- SIVARAJAN, V.V. 1988. *A preliminary taxonomic revision of Indian Molluginaceae.* J. Taiwan Mus. 41: 79–93, 33 fig. — 3 genera, 8 species; keys, synonymy, diagnoses, notes, etc.
- & C. REMESAN. 1987. *The genus Spilanthes Jacq. (Compositae - Heliantheae) in India.* J. Econ. Tax. Bot. 10: 141–147. — 6 species; key; descriptions.

- *SLACK, A. 1979. *Carnivorous plants*. 240 pp, illus, many in colour, 2 app. Ebury Press. London. ISBN 0-85223-160-1. £ 7.50 (in U.K.). — Brief treatment of genera, especially important because of chapters on cultivation.
- SLEUMER, H. 1988. *A revision of the genus Ardisia Sw. (Myrsinaceae) in New Guinea*. Blumea 33: 115–140. — 7 subgenera, 31 species, 3 new, 1 new comb.; keys; descriptions.
- 1988. *The genera Discocalyx Mez, Fittingia Mez, Loheria Merr. and Tapeinosperma Hook. f. (Myrsinaceae) in New Guinea*. Blumea 33: 81–107. — Revisions; keys; key to genera of E. Malesia; Discocalyx 12 species, 4 new, 2 new comb.; Fittingia 5 species, 2 new, 1 new comb.; Loheria 2 species, 1 new, 1 new comb.; Tapeinosperma 4 species, 2 new.
- 1988. *The genus Conandrium Mez (Myrsinaceae)*. Blumea 33: 109–113. — 2 species.
- SMETS, E. 1988. *La présence des 'nectaria persisttentia' chez les Magnoliophytina (Angiospermes)*. Candollea 43: 709–716, 7 fig. (In French, Engl. summ.).
- *SMITH, A.C. 1988. *Flora vitiensis nova 4*. 377 pp, 132 fig, 1 tab. Pac. Trop. Bot. Gard., Lawai, Hawai'i. Libr. Congr. Card no. 78–61712. Price unknown. — Loganiaceae to Rubiaceae; keys; descriptions; notes, esp. on typification; some new taxa and combinations.
- SMITH, A.P. 1988. *Does the correlation with elevation with plant taxonomic richness vary with latitude?* Biotropica 20: 259–261, 1 fig, 1 tab. — Apparently.
- SMITH, J.M.B. & A.M. CLEEF. 1988. *Composition and origins of the world's tropic-alpine floras*. J. Biogeogr. 15: 631–645, 3 fig, 3 tab, 1 app. — Interesting survey; floristic composition probably mainly due to long distance dispersal followed by rapid speciation; Van Steenis' studies not mentioned.
- SMITH, L.B. 1988. *New key to the genera of the Bromeliaceae*. Beitr. Biol. Pfl. 63: 403–411.
- SMITH, R.M. 1988. *A new Alpinia from Sabah*. Notes Roy. Bot. Gard. Edinburgh 45: 341–343, 1 fig. (Zingiberaceae).
- 1988. *A review of Bornean Zingiberaceae: IV (Globbeae)*. Notes Roy. Bot. Garden, Edinburgh 45: 1–19, 5 fig. — 8 species of Globba, 1 new, 3 new varieties; key; no descriptions; selected list of collections seen cited under each species by geography, hence very tiresome for curators wishing to work up their collections; notes.
- 1988. *A review of Bornean Zingiberaceae: V (Zingiber)*. Notes Roy. Bot. Gard., Edinburgh 45: 409–423, 4 fig. — 19 species, 2 new, 4 unnamed; key.
- 1988. *Two additional species of Amomum from Borneo*. Notes Roy. Bot. Gard. Edinburgh 45: 337–339. (Zingiberaceae).
- SMITH, T.J. III. 1988. *Differential distribution between sub-species of the mangrove Ceriops tagal: competitive interactions along a salinity gradient*. Aq. Bot. 32: 79–89, 4 fig, 4 tab. — Two Australian subspecies showed differences in growth resulting in a different distribution in the forest. (Rhizophoraceae).

- SMITH-WHITE, A.R. 1988. *Sporobolus virginicus* (L.) Kunth in coastal Australia: the reproductive behaviour and the distribution of morphological types and chromosome races. Austr. J. Bot. 36: 23–39, 33 fig. — 4 morphotypes, not correlated with present subspecific taxa; 6 chromosome numbers (2 new); only diploids and tetraploids reproduce sexually.
- SODERSTROM, T.R. & R.P. ELLIS. 1988. The position of bamboo genera and allies in a system of grass classification. In: Soderstrom, T.R., et al. 1988: 225–238, 2 fig, 1 app. — New arrangement of genera; 1 new supertribe, 2 tribes, 8 subtribes in Bambuseae; Oryzeae in Bambusoideae; Buergeriochloae distinct tribe. (Gramineae).
- & — 1988. The woody bamboos (Poaceae: Bambuseae of Sri Lanka: a morphological-anatomical study. Smithsonian Contr. Bot. 72: iv, 1–75, 45 fig. — Keys, lengthy descriptions; 6 genera, 2 new, 12 species, 2 new in Arundinaria, Dendrocalamus.
- *—et al. 1988. *Grass systematics and evolution*. xiv + 474 pp, 1 col. pl., many illus. and tab. Smithsonian Institution Press, Washington (D.C.). ISBN 0-87474-300-1. \$ 37.00 (+ \$ 2.25 mailing costs). — Proceedings of the International on Grass Systematics and Evolution, 27–31 July 1986, Washington (D.C.); sumptuous survey of the present state of the art covering a great variety of subjects; see under the various authors; full index of scientific names, extensive bibliography; no one seriously interested in Gramineae can do without this. (Gramineae).
- SOEDJITO, H. 1988. *Dinamika komunitas tumbuhan dan perladangan berpindah di Long Segar, Kalimantan Timur*. MAB Indon. Kontr. 49: 23–36. (n.v.). — Dynamics of plant communities and shifting cultivation.
- 1988. Beberapa perbandingan tumbuhan pekarangan antara Long Sei Barang dan Long Segar, Kalimantan Timur. MAB Indon. Kontr. 49: 37–51. (n.v.). — Observations between yard plants of two localities.
- SOHMER, S.H. 1988. The nonclimbing species of the genus *Psychotria* (Rubiaceae) in New Guinea and the Bismarck Archipelago. Bish. Mus. Bull. Bot. 1: v, 1–339, 144 fig. — Monumental work: 115 species (55 new), 12 varieties (6 new), 6 new combinations; incl. Cephaëlis, Grumilea; Chasalia distinct; introduction; keys; descriptions; no overall collector's list.
- SOMERS, C. 1988. *Aoranthe* (Rubiaceae), a new genus to accommodate the African species of Porterandia. Bull. Jard. Bot. Nat. Belg. 58: 47–75, 11 fig. — Porterandia in Gardeniinae, Aoranthe tentatively in Isertieae.
- SONGKHLA, B.N. 1987. Proteaceae. Fl. Thail. 5: 106–120, 8 fig. — 2 genera and 8 species.
- SPJUT, R.W. & J.W. THIERET. 1989. Confusion between multiple and aggregate fruits. Bot. Rev. 55: 53–72, 2 fig, 1 tab.
- SRIVASTAVA, R.C. 1987. Family Verbenaceae in Madhya Pradesh. J. Econ. Tax. Bot. 10: 451–469, 18 fig. — 17 genera, 31 species; keys; diagnoses.
- 1987. Status of family Malpighiaceae in North Eastern India. J. Econ. Tax. Bot. 11: 161–171. — Aspidopterys, Hiptage; keys; notes.

- STAFLEU, F.A. 1988. *The prehistory and history of IAPT*. Taxon 37: 791–800. — A fascinating story of perseverance of a few scientists that gave us Taxon, Regnum Vegetabile, incl. TL-2, ING, Index Herbariorum, the Codes of Nomenclature, etc.
- STEARN, W.T. 1988. *Carl Linnaeus's acquaintance with tropical plants*. Taxon 37: 776–781. — Mainly through literature and wide-spread ruderals, hence his idea of uniformity of the tropical flora and loose use of 'India', sometimes meaning both the West and East Indies, and China.
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