

XI. BIBLIOGRAPHY

(continued from page 220)

* Books have been marked with an asterisk.

BRYOPHYTES

- AKIYAMA, H. 1989. *A reevaluation of Hypnodendron opacum (Hypnodendraceae, Musci).* Bryologist 92: 198–201, 19 fig. — Distinct from *H. auricomum*.
- AKIYAMA, H. 1989. *Taxonomic studies of mosses of Seram and Ambon (Moluccas, East Malaysia) collected by Indonesian–Japanese botanical expeditions. I. Acta Phytotax. Geobot.* 40: 147–162, 5 map.
- ANDO, H., et al. 1989. *Generic distinctness of Brotherella from Pylaisiadelpha (Musci).* Bryologist 92: 209–215, 28 fig, 1 tab.
- BROWN, E.A. & J.E. BRAGGINS. 1989. *A revision of the genus Riccardia S.F. Gray in New Zealand with notes on the genus Aneura Dum.* J. Hattori Bot. Lab. 66: 1–132, 37 fig, 1 tab. — 27 species, some Malesian; new combinations and names; keys; descriptions.
- ENGEL, J.J. 1989. *Index hepaticarum supplementum: 1980–1981.* Taxon 38: 414–439.
- ENROTH, J. 1989. *Bryophyte flora of the Huon Peninsula, Papua New Guinea. XXVII. Neckeraceae (Musci).* Acta Bot. Fenn. 137: 41–80, 18 fig. — 5 genera, 18 species, 1 new; keys, synonymy, typification, descriptions, distributions, notes, index.
- ENROTH, J. 1990. *Bryophyte flora of the Huon Peninsula, Papua New Guinea. XXXVI. Leucobryaceae (Musci).* Acta Bot. Fenn. 139: 65–120, 30 fig. — Family not accepted, part Dicranaceae (see Norris & Koponen, 1990, for the rest), part Calymperaceae; 10 genera, 23 species; keys, descriptions, etc.
- ENROTH, J. 1990. *Altitudinal zonation of Bryophytes on the Huon Peninsula, Papua New Guinea. A floristic approach, with phytogeographic considerations.* Trop. Bryol. 2: 61–90, 5 fig, 9 tab. — 5 altitudinal zones distinguished; Van Steenis not cited.
- FRAHM, J.-P. 1989. *Bryohumbertia subcomosa (Dix.) J.-P. Frahm, a new name for Bryohumbertia walkeri (Mitt.) J.-P. Frahm.* Trop. Bryol. 1: 9–10.
- FRAHM, J.-P. 1990. *Campylopus, a modern and successful genus!?* Trop. Bryol. 2: 91–101, 3 fig. — Successful yes, modern no.
- FURUKI, T. 1989. *The status of Cephaloziella minutifolia Horik. (Hepaticae).* J. Jap. Bot. 64: 139–141. — = *Cephaloziella kiaeri*.
- GLIME, J.M., et al. 1990. *Diversity and altitudinal niche width characteristics for 35 taxa of the Papua New Guinea Frullania flora with considerations of sibling pairs.* Trop. Bryol. 2: 103–117, 6 fig, 2 tab. — On Mt. Albert Edward.
- GREENE, S.W. & A.J. HARRINGTON. 1989. *The conspectus of bryological taxonomic literature. Part 2. Guide to national and regional literature.* Bryoph. Bibl. 37: 1–321. — A treasure-trove of information on every bryologist's desk.

- GRiffin III, D. & W.R. Buck. 1989. *Taxonomic and phylogenetic studies on the Bartramiales*. Bryol. 92: 368–380, 42 fig. — 3 subfamilies, 2 new; generic key; many new combinations in Philonotis.
- HEDENÄS, L. 1989. *Some neglected character distribution patterns among the pleurocarpous mosses*. Bryologist 92: 157–163, 1 fig, 2 tab. — Isobryales and Hypnobryales form 4 groups; cladogram; tropical and southern taxa not studied!
- HEWSON, H.J. 1986. *The family Aneuraceae in Australia and Papua New Guinea: cytogeography*. In B.A. Barlow (Ed.), Flora and fauna of alpine Australasia: 357–381, 9 fig, 1 tab.
- HYVÖNEN, J. 1989. *Bryophyte flora of the Huon Peninsula, Papua New Guinea. XXVI. Pterobryaceae (Musci)*. Acta Bot. Fenn. 137: 1–40, 18 fig. — 8 genera, 32 species; keys, synonymy, typification, descriptions, distribution, index.
- HYVÖNEN, J. 1989. *A synopsis of genus Pogonatum (Polytrichaceae, Musci)*. Acta Bot. Fenn. 138: 1–87, 31 fig. — 52 species, 4 subgenera (incl. Racelopus); key, synonymy, notes.
- HYVÖNEN, J. 1989. *On the bryogeography of Western Melanesia*. J. Hattori Bot. Lab. 66: 231–254, 7 fig, 2 tab.
- *INOUE, H. 1987. *Index to type specimens of Bryophyta in National Science Museum, Tokyo*. 119 pp.
- ISOVIITA, P. 1990. *Proposal to conserve Pelekium (Musci, Thuidiaceae)*. Taxon 39: 351–352.
- KOPONEN, T. 1990. *Bryophyte flora of Western Melanesia*. Trop. Bryol. 2: 149–160, 2 fig, 2 tab, 1 app.
- LI, X., et al. 1989. *Ecological gradient analysis of the genus Frullania on Mt. Albert Edward, Papua New Guinea*. J. Hattori Bot. Lab. 66: 359–369, 3 fig, 1 tab.
- LIN, P.-J. & W.D. REESE. 1989. *A further study on Chinese Calymperaceae*. Bryologist 92: 170–173. — Keys to Chinese Calymperes (10 spp.), Mitthydrium (2), Syrrhopodon (13, 1 new record).
- LUO, J. 1989. *A study on Neobarbella (Mosses) of the South-east Asiatic endemic genus*. Acta Bot. Yunn. 11: 159–164, 1 fig. (In Chinese, Engl. summ.). — 4 species, 1 new; key; in Lembophyllaceae?
- MILLER, H.A. & H.O. WHITTIER. 1990. *Bryophyte floras of tropical Pacific islands*. Trop. Bryol. 2: 167–175. — State of knowledge imperfect, e.g. no mosses known from Nauru at all! 1 only from Tokelau, 2 from Tuvalu (Ellice Islands), etc.
- MIZUTANI, M. 1989. *Notes on the Lejeuneaceae. 15. Three species of the genus Trocholejeunea*. J. Hattori Bot. Lab. 66: 271–281. — Hygrolejeunea crassicaulis transferred; description.
- NORRIS, D.H. & T. KOPONEN. 1989. *Bryophyte flora of the Huon Peninsula, Papua New Guinea. XXVIII. Pottiaceae (Musci)*. Acta Bot. Fenn. 137: 81–138, 18 fig. — 20 genera, 37 species, 4 new; keys, synonymy, typification, descriptions, distribution, notes.

- NORRIS, D.H. & T. KOPONEN. 1989. *Bryophyte flora of the Huon Peninsula, Papua New Guinea. XXXIII. Leskeaceae and Fabroniaceae (Musci) plus corrigenda and addenda to previous papers.* Ann. Bot. Fenn. 27: 1–12, 3 fig.
- NORRIS, D.H. & T. KOPONEN. 1989. *Bryophyte flora of the Huon Peninsula, Papua New Guinea. XXXV. Dicranaceae and Dicnemonaceae (Musci).* Acta Bot. Fenn. 139: 1–64, 18 fig. — Dicranaceae 18 genera, 54 species (4 new), but see also Enroth (1990) for more!; Dicnemonaceae 1 genus, 2 species; key; descriptions.
- OCHYRA, R. & J. ENROTH. 1989. *Neckeropsis touwii (Musci, Neckeraceae), new species from Papua New Guinea, with an evaluation of sect. Pseudoparaphysanthus of Neckерopsis.* Ann. Bot. Fenn. 26: 127–132, 2 fig. — Descriptions, key.
- OCHYRA, R. & P. ISOVIITA. 1989. *Proposal to conserve Schistidium (Musci, Grimmiaceae) with a new type.* Taxon 38: 665–669. — Schistidium maritimum proposed.
- ONRAEDT, M. 1989. *Quatre Cololejeunea (Hepaticae) nouveaux des Philippines.* Bull. Jard. Bot. Nat. Belg. 59: 433–438, 4 fig. (In French, Engl. summ.).
- PIIPPO, S. 1989. *Bryophyte flora of the Huon Peninsula, Papua New Guinea. XXX. Plagiochilaceae (Hepaticae).* Ann. Bot. Fenn. 26: 183–236, 24 fig. — 2 genera, 34 out of 55 species (3 new) recorded; keys; synonymy; descriptions.
- PIIPO, S. 1990. *Bryophyte flora of the Huon Peninsula, Papua New Guinea. XXXIV. Key to the genera of Western Melanesian Hepaticae and Anthocerotae.* Ann. Bot. Fenn. 27: 13–18.
- RAMSAY, H.P., et al. 1986. *Australasian alpine bryophytes.* In B.A. Barlow (Ed.), Flora and fauna of alpine Australasia: 301–335, 1 fig, 3 tab, 5 app. — Incl. Mt. Kinabalu; species lists, also of Australian hepatics.
- RAMSAY, H.P. & W.B. SCHOFIELD. 1987. *Preliminary studies on the Sematophyllaceae (Bryopsida) from North Queensland.* Austr. Syst. Bot. Soc. Newslet. 50: 7–12.
- REDFEARN Jr., P.L., et al. 1989. *Mosses new to mainland China.* Bryologist 92: 183–185. — 18 records.
- REESE, W.D. & P.-J. LIN. 1989. *Two new species of Syrrhopodon from Southeast Asia.* Bryologist 92: 186–189, 11 fig. — One from Selangor.
- ROBINSON, H. 1990. *A functional evolution of the Leucobryaceae.* Trop. Bryol. 2: 223–237, 17 fig. — 8 genera.
- SHAW, J., et al. 1989. *Peristome development in mosses in relation to systematics and evolution. IV. Haplolepideae: Ditrichaceae and Dicranaceae.* Bryol. 92: 314–325, 51 fig. — Haplolepideous peristome teeth homologous to the cilia of the Bryum-type peristomes rather than to endostome segments.
- SRIVASTAVA, S.C. & A.K. ASTHANA. 1989. *Two species of Folioceros from India, including F. kashyapii, sp. nov.* Bryologist 92: 219–224, 30 fig. — Key to Indian species.
- STREIMANN, H. & J. CURNOW. 1988. *Catalogue of mosses of Australia and its external territories.* Austr. Fl. & Fauna Series 10: viii, 1–479, 6 map. — Incl. Christmas Island (Indian Ocean) and Cocos (Keeling).

- TAN, B.C. & W.R. BUCK. 1989. *A synoptic review of the Philippine Sematophyllaceae with emphasis on Clastobryoideae and Heterophylloideae (Musci)*. J. Hattori Bot. Lab. 66: 307–320, 33 fig. — New records, 1 new combination; keys.
- TAN, B.C. & J.J. ENGEL. 1990. *A preliminary study on the affinities of Philippine, Bornean and New Guinean hepatics*. Trop. Bryol. 2: 265–272, 1 fig, 4 tab.
- TAN, B.C. & T. KOPONEN. 1989. *Additions and corrections for Philippine moss flora*. Cryptog., Bryol., Lichén. 10: 235–245, 5 fig. — New records, reductions, 1 new combination.
- TAN, B.C. & H. ROBINSON. 1990. *A review of Philippine Hookeriaceous taxa (Musci)*. Smithson. Contr. Bot. 75: iv, 41 pp, 63 fig. — 11 genera, 36 species, 11 new records, 5 new combinations; keys; some lectotypifications; descriptions, notes.
- THIERS, B.M. 1990. *An overview of the Lejeuneaceae in Australia*. Trop. Bryol. 2: 273–283, 2 fig, 2 tab.
- THIERS, B.M. & S.R. GRADSTEIN. 1989. *Lejeuneaceae (Hepaticae) of Australia. I. Subfamily Ptychanthoideae*. Mem. N.Y. Bot. Gard. 52: 1–79, 28 fig, 2 tab. — Full revision, some Malesian species.
- TIXIER, P. 1989. *Contribution à l'étude du genre Cololejeunea (Lejeuneaceae, Hepaticae). X. Espèces nouvelles récoltées par Sten Bergman en Irian Jaya (1949)*. Bull. Jard. Bot. Nat. Belg. 59: 439–444, 3 fig.
- TOUW, A. 1989. *The bryophytes of Sabah (North Borneo) with special reference to the BRYOTROP transect of Mount Kinabalu. IX. Rhizogoniaceae (Bryopsida)*. Willdenowia 19: 237–243. — Revision for W. Malesia of 4 genera, 6 species, key, notes.
- TOUW, A. 1989. *The bryophytes of Sabah (North Borneo) with special reference to the BRYOTROP transect of Mount Kinabalu. X. Hypnodendraceae (Bryopsida)*. Willdenowia 19: 245–249. — Key, geography.
- TOUW, A. & L. FALTER-VAN DEN HAAK. 1989. *A revision of Australasian Thuidiaceae (Musci) with notes on species from adjacent regions*. J. Hattori Bot. Lab. 67: 1–57, 17 fig. — 10 species, 1 new; Pelekium, Thuidiopsis reduced; key; descriptions.
- VÁNA, J. & S. PIIPPO. 1989. *Bryophyte flora of the Huon Peninsula, Papua New Guinea. XXIX. Jungermanniaceae and Gymnomitriaceae (Hepaticae)*. Ann. Bot. Fenn. 26: 107–125, 6 fig. — Jungermanniaceae 2 genera, 14 species, 5 new records; Gymnomitriaceae 1 species; keys; descriptions.
- VÁNA, J. & S. PIIPPO. 1989. *Bryophyte flora of the Huon Peninsula, Papua New Guinea. XXXI. Cephaloziaceae subfam. Alobielloideae, Cephaloziellaceae, Antheliaceae and Lophoziaiceae (Hepaticae)*. Ann. Bot. Fenn. 26: 263–290, 11 fig. — New records, 1 new species; keys, descriptions, notes.
- WHITTEMORE, A. & B. ALLEN. 1989. *The systematic position of Adelothecium Mitt. and the familial classification of the Hookeriales (Musci)*. Bryol. 92: 261–272, 21 fig, 2 tab. — 2 families: Daltoniaceae (incl. Adelotheciaceae, Cyathophoraceae, Distichophylaceae), Hookeriaceae (incl. Leucomiaceae).

YAMADA, K. & S. PIPO. 1989. *Bryophyte flora of the Huon Peninsula, Papua New Guinea. XXXII Radula (Radulaceae, Hepaticae)*. Ann. Bot. Fenn. 26: 349–387, 18 fig. — 2 subgenera, 8 sections, 11 subsections, 42 species (29 in Huon); several novelties; keys (not to the sections!), descriptions, notes.

PTERIDOPHYTES

BARRINGTON, D.S., et al. 1989. *Hybridization, reticulation, and species concepts in the ferns*. Am. Fern J. 79: 55–64. — Allopolyploids most common; call them species if you can distinguish them.

BIDIN, A. 1986. *Psilotum for your garden*. Nat. Mal. 11/2: 22–23, 3 col. pl.

BIDIN, A. 1988. *A further chromosome count for Osmunda (Osmundales) from Peninsular Malaysia*. Gard. Bull., Singapore 41: 93–94, 1 fig. — *Osmunda javanica* ($2n = 44$).

BIDIN, A., et al. 1988. *A new species of Adiantum from Trus Madi Range, Sabah*. Gard. Bull., Singapore 41: 45–48, 1 fig.

BIDIN, A. & R. JAMAN. 1988. *The coastal fens of Pulau Aur, Johor*. Nat. Mal. 13/3: 22–25, 4 col. pl., 1 map. — Introduction, checklist.

BISWAS, A. 1988. *A study on the fern genus Microlepia Presl in India. – II. Microlepia trapeziformis (Roxb.) Kuhn complex*. J. Econ. Taxon. Bot. 12: 313–327, 7 fig. — 7 species, 5 new; key.

BROWNSEY, P.J. 1989. *The taxonomy of Bracken (Pteridium: Dennstaedtiaceae) in Australia*. Austr. Syst. Bot. 2: 113–128, 6 fig, 1 tab. — 2 species, 1 hybrid; revision, key, synonymy, descriptions; perhaps all 3 Malesian.

DARNAEDI, D., et al. 1989. *Five new or ill-defined species related to Dryopteris sparsa (Dryopteridaceae)*. J. Jap. Bot. 64: 299–310, 2 fig, pl. 7, 8. — Key to complex: 5 species, 3 new, 2 Malesian.

DARNAEDI, D., et al. 1989. *A cytotaxonomic study of Dryopteris sparsa and closely related species (Dryopteridaceae)*. Jap. J. Bot. 64: 330–340, 4 fig, 2 tab.

GASTONY, G.J. & M.D. WINDHAM. 1989. *Species concepts in Pteridophytes: the treatment and definition of agamosporous species*. Am. Fern J. 79: 65–77, 9 fig. — Species concept proposed to fit sexual and agamosporous taxa.

GENA, C.B. & N. BHARDWAJ. 1987. *SEM studies of spores of Isoetes L. of Rajasthan, India*. Phytomorphology 37: 29–33, 1 fig. — 3 species very distinct.

HICKEY, R.J. 1989. *The species concept in Pteridophyta with special reference to Isoëtes*. Am. Fern J. 79: 78–89, 6 fig, 2 tab.

IWATSUKI, K. 1989. *Speciation in the Asplenium unilaterale complex*. In L.B. Holm-Nielsen et al., Tropical forests: 193–199. — See also Reviews.

KATO, M. 1988. *Taenitis and allied genera of Ambon and Seram (Moluccas) and phylogenetic relationships of Taenitis*. J. Fac. Sc. Univ. Tokyo III, 14: 161–182 (n.v.).

- *KATO, M. 1988. *Taxonomic studies of the plants of Seram Island*. 1722 pp. Botanical Gardens, University of Tokyo. (n.v.).
- KATO, M. 1989. *Taxonomic studies of Pteridophytes of Amboin and Seram (Moluccas) collected by Indonesian-Japanese botanical expeditions. II. Davalliaceae and Oleandraceae*. J. Fac. Sc., Univ. Tokyo III, Bot. 14: 219–241, 3 fig. — 37 species, 1 new Davallodes, 2 new Davallia; 4 new combinations in Pachypleuria; keys; synonymy; notes.
- KATO, M. 1989. *Taxonomic studies of pteridophytes of Amboin and Seram (Moluccas) collected by Indonesian-Japanese botanical expeditions. III. Eusporangiate and some lower leptosporangiate families*. Acta Phytotax. & Geobot. 40: 77–92, 2 fig. — Ophioglossaceae, Marattiaceae, Osmundaceae, Matoniaceae, Gleicheniaceae (1 new species, 1 variety), Schizaeaceae, Plagiogyriaceae.
- KATO, M., et al. 1988. *Anatomy of the axillary bud of *Helminthostachys zeylanica* (Ophioglossaceae) and its systematic implications*. Bot. Gaz. 149: 57–63 (n.v.).
- KATO, M. 1990. *Ophioglossaceae: a hypothetical archetype for the angiosperm carpel*. Bot. J. Linn. Soc. 102: 303–311, 10 fig.
- KHANDELWAL, S. 1990. *Chromosome evolution in the genus Ophioglossum*. Bot. J. Linn. Soc. 102: 205–217, 3 fig, 1 tab. — $x = 120$, derived from 30; *O. eliminatum* has $2n = 720$!
- KÖHLER, P.S. 1990. *Marian Raciborski's Malesian Pteridophyta in KRA*. Taxon 39: 229.
- NAKAIKE, T. 1989. *A bibliography of pteridophytes by Japanese fernists for 1988*. Nippon Fernist Club, Japan, Dept. of Botany, National Science Museum, 3-23-1, Hyakunin-cho, Shinjuku-ku, Tokyo 169. — Unfortunately nearly all references in Japanese, some in Roman script refer to Malesian taxa and exploits.
- ØLLGAARD, B. 1989. *Index of the Lycopodiaceae*. Kong. Danske Vidensk. Selskab, Biol. Skr. 34: 1-135. — Update of Herter, Index Lycopodiorum (1949), many corrections & additions; ISSN 0366-3612; ISBN 87-7304-195-5.
- PANT, D.D., et al. 1982. *Surface characters of leaves, sporangia, synangia and spores of some living and fossil Marattiaceae*. Phytomorphology 32: 126–137, 7 fig, 1 tab. — 2 families: Marattiaceae, Asterothecaceae.
- PARIS, C., et al. 1989. *Cryptic species, species delimitation, and taxonomic practice in the homosporous ferns*. Am. Fern J. 79: 46–54. — Definition: poorly differentiated morphologically, hence formerly lumped into one species, but reproductively isolated (primary criterion); only name them when you can find visible characters.
- PARRIS, B.S. 1990. *Noteworthy species of Grammitidaceae from South-East Asia*. Hooker's Ic. Pl. 40: iv, 129 pp, t. 3970–4000. — Descriptions, notes, illustrations of Calymmodon (1 sp.), Ctenopteris (18, 1 new, 2 comb. nov.), Grammitis (8, 2 new), Prosaptia (2), Xiphopteris (2).
- PUNETA, N. 1988. *The filicinean crozier: a comparative study*. Phytomorphology 38: 347–356, 3 fig. — Survey of development in 60 species; 5 categories.

- RÖDL-LINDER, G. 1990. *A monograph of the fern genus Goniophlebium (Polypodiaceae)*. Preprint of Blumea 34: viii, 277–423, 52 fig, 14 tab. — Thesis; 23 species; key; descriptions; cladistic analysis; biogeography; index to collectors.
- RÖDL-LINDER, G., et al. 1990. *Designation of a new lectotype for Goniophlebium (Blume) Presl (Polypodiaceae)*. Taxon 39: 105.
- SCHMID, R. 1989. *Bibliographic comment on Roos's monograph on Drynarioideae (Polypodiaceae)*. Taxon 38: 609–610. — Roos' paper published twice with different format and changes in text, thanks to desktop publishing.
- STERGIANOU, K.K. & K. FOWLER. 1989. *Preliminary report of chromosome counts in the genus Azolla (Pteridophyta)*. Fern Gaz. 13: 317–319, 1 fig, 1 tab. — $2n = 44$, rarely 52, 66, 88.
- TAGAWA, M. & K. IWATSUKI. 1989. *Flora of Thailand 3/4*: 481–640, fig. 49–60, 5 col. pl. — Pteridophytes: Azollaceae (1/2), Cheiropleuriaceae (1/1), Dipteridaceae (1 gen./1 sp.), Grammitidaceae (7/23), Marsileaceae (1/1), Polypodiaceae (20/120), Salviniaceae (1/2); additions and corrections to previous parts, e.g. key to species of Davalliaceae, Hymenophyllaceae, Parkeriaceae (3 comb. nov.); index to all parts.
- *VERMA, S.C., et al. 1987. *Pteridology in India, a bibliography*. ii, 264 pp. Bishen Singh Mahendra Pal Singh, 23-A, Connaught Place, Dehra Dun 248001, India. ISBN 81-211-0016-X. Price unknown.
- YATSKIEVYCH, G. & R.C. MORAN. 1989. *Primary divergence and species concepts in ferns*. Am. Fern J. 79: 36–45, 1 tab. — Criteria as used in literature, a survey.

SPERMATOPHYTES AND GENERAL SUBJECTS

- ADLARD, P.G., et al. 1989. *Current thinking on modelling tropical moist forests*. In S. Appanah et al. (Eds.), *Growth and yield in tropical moist forests* (n.v.).
- ADOLPHI, K. & L.A.S. JOHNSON. 1989. *Proposal to conserve 8878 Brachycome Cass. (Asteraceae)*. Taxon 38: 511–513.
- AKIYAMA, S. 1989. *Chromosome numbers of the species in Hydrangea chinensis-complex in the Ryukyu Islands*. J. Jap. Bot. 64: 353–360, 1 fig, 1 tab. — 5 species (Saxifragaceae).
- AMARASINGHE, V. & L. WATSON. 1990. *Taxonomic significance of microhair morphology in the genus Eragrostis Beauv. (Poaceae)*. Taxon 39: 59–65, 6 fig, 1 tab. — Strong correlation between microhair type and bundle sheath anatomy.
- ANDERBERG, A.A. 1989. *Phylogeny and reclassification of the tribe Inuleae (Asteraceae)*. Can. J. Bot. 67: 2277–2296, 4 fig, 2 tab. — Cladistic analysis (PAUP); tribe unnatural, split up in three, 1 new.
- *ANONYMUS. No date (rec. Dec. 1989). *100 Malaysian timbers*. x, 226 pp, illus. (col.). Malaysian Timber Industry Board, POB 10887, 50728 Kuala Lumpur, Malaysia. No ISBN, price unknown. — Standard and botanical names, wood diagnosis, properties, uses.

- *ANONYMUS. 1989. *Paphiopedilum. A manual to identify Slipper orchids of the genus Paphiopedilum in trade.* 37 pp, 13 fig. Netherlands Department of Agriculture and Fisheries. Mimeogr. Price unknown. — A booklet designed to assist any inspector in establishing possible frauds. It ought to be widely disseminated (Orchidaceae).
- AOYAMA, M., et al. 1987. *Karyomorphological observations on saprophytic Lecanorchis japonica Bl.* J. Orchid Soc., India 1: 51–55, 2 fig. — $2n = 36$ (Orchidaceae).
- ARCY, W.G. D'. 1989. *Proposal to conserve spelling of 7450 Brunfelsia (Solanaceae).* Taxon 38: 510–511.
- ARGENT, G., et al. 1987. *An introduction to the Rhododendrons of Sabah.* Nat. Mal. 12/2: 4–9, 20 col. pl. — Brief account with splendid pictures (Ericaceae).
- ARGENT, G., et al. 1988. *Rhododendrons of Sabah.* Sabah Parks Publ. 8: iv, 146 pp, 1 map, 11 fig, 70 col. pl., 25 b/w pl. — Beautifully executed; keys; descriptions; at least 1 colour plate of each taxon; microphotographs of the scales (Ericaceae).
- ARGENT, G. & J. DRANSFIELD. 1989. *Rhododendron alborugosum (Ericaceae), a new species in sect. Vireya Copel. f. from Borneo.* Notes Roy. Bot. Gard. Edinburgh 46: 27–31 (n.v.).
- *ASHTON, P.S. 1989. *Manual of the non-Dipterocarp trees of Sarawak.* Published by KUCH (n.v.).
- ASTON, H.I. 1989. *Valid publication of the names Torrenticola and T. queenslandica (Podostemaceae).* Muelleria 7: 127–129. — Both by Steen., Fl. Males. I, 4 (1949) 66.
- ATWOOD, J. 1989. *A new natural hybrid Paphiopedilum from the Philippines.* Orchid Rev. 97: 182–185 (n.v.). — (Orchidaceae).
- AXELIUS, B. 1990. *The genus Xanthophyllum (Rubiaceae).* Blumea 34: 425–497, 44 fig. — 30 species, 12 new; full revision; cladistics; biogeography.
- BAAS, P. & R.E. VETTER (Eds.). 1989. *Growth rings in tropical woods (Growth rings in tropical trees).* IAWA Bull. n.s. 10: 95–174. — Proceedings of the IUFRO P 5.05 and IAWA joint session, São Paulo, 1988.
- BALACHANDRA, L. 1988. *A comprehensive account of the mangrove vegetation of Andaman and Nicobar Islands.* Ind. For. 114: 741–751, 5 tab.
- BALLMENT, E.R., et al. 1988. *Sibling species in the mangrove genus Ceriops (Rhizophoraceae), detected using biochemical genetics.* Austr. Syst. Bot. 1: 391–397, 2 fig, 2 tab. — Ceriops tagal var. australis raised to species.
- BALTISBERGER, M., et al. 1989. *Materials of a pharmaco-botanical excursion in Papua New Guinea.* Ber. Geobot. Inst. E.T.H., Zürich 55: 252–259, 1 map. — Summary of itinerary, collections.
- BARABE, D., et al. 1987. *On the pseudomonomerous gynoecia of the Araceae.* Phytomorphology 37: 139–143, 2 fig. — 2 basic types with taxonomic implications.
- BARKER, W.R. 1986. *Biogeography and evolution in Euphrasia (Scrophulariaceae), particularly relating to Australasia.* In B.A. Barlow (Ed.), Flora and fauna of alpine Australasia: 489–510, 5 fig, 3 tab. — Ancient Gondwana origin.

- *BARLOW, B.A. (Ed.). 1986. *Flora and fauna of alpine Australasia*. vii, 543 pp, illus. CSIRO, Australia; E.J. Brill Publishers, POB 9000, 2300 PA Leiden, The Netherlands. ISBN 0-643-04024-2. Dfl. 80.56 + porto, US\$ 38.00. — Proceedings of the Thredbo (N.S.W.) Symposium, 1985; landforms, climate, ecology, adaptation, vegetation history, case studies, index.
- BARLOW, B.A. 1987. *Biogeography of Loranthaceae and Viscaceae and its bearing on vegetation history in the Malesian / Australasian region*. In H.C. Weber & W. Forst-reuter (Eds.), Parasitic flowering plants: 805–817, 8 fig. — Loranthaceae ancient Gondwana family differentiated before split-up; Viscaceae perhaps also Gondwanan.
- BARLOW, B.A., et al. 1989. *Genera of mistletoes*. Golden Bough 11: 1–4. — 86: name list, index; esp. Loranthaceae.
- BEER, J.H. DE & M.J. McDERMOTT. 1989. *The economic values of non-timber forest products in Southeast Asia, with emphasis on Indonesia, Malaysia and Thailand*. 175 pp, 24 fig, tabs, 4 app. Netherlands Committee for IUCN, Damrak 28–30, 1012 LJ Amsterdam, The Netherlands. Dfl. 25.00. — See Reviews.
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- FERNANDO, E. S. 1990. *A preliminary analysis of the palm flora of the Philippine islands*. Principes 34: 28–45, 8 map, 1 tab, 1 app. — 20 genera, 135 species; sundaic affinities; checklist (Palmae).
- FINDLAY, N. & G.P. FINDLAY. 1989. *The structure of the column in Stylidium*. Austr. Syst. Bot. 1: 81–101, 12 fig, 1 tab. — (Styliaceae).
- FLETCHER, K. & D. BAYLIS. 1986. *Ulu Selama*. Nat. Mal. 11/2: 4–7, 16 col. pl, 1 map. — In Hutan Simpan Bintang Hijau (Green Star FR) in northern Perak, an area now probably completely logged over, so end of one of the very few breeding populations of the Sumatran rhino in Malaysia.
- FONG, F.W. 1987. *Insect visitors to the Nipa inflorescence in Kuala Selangor*. Nat. Mal. 12/1: 10–13, 8 col. pl. — (Palmae).
- *FORMAN, L.L. & D. BRIDSON. 1989. *The herbarium handbook*. iv + 214 pp, 52 fig. Royal Botanic Gardens, Kew TW9 3AB, U.K. ISBN 0-947643-20-6. £ 12.00. — See Reviews
- FORSTER, P.I. 1989. *Notes on Asclepiadaceae, I*. Austrobaileya 3: 109–133, 9 fig, 4 map. — E.g. Brachystelma, Finlaysonia, Sarcolobus, Sarcostemma.
- FORSTER, P.I. 1990. *Correction and further notes to 'Studies on the Australasian Asclepiadaceae I. Brachystelma Simms in Australia'*. Nuytsia 7: 123–124. — Brachystelma microstemma (Microstemma tuberosum) synonym of B. glabriflorum.
- FORSTER, P.I. 1990. *Proposal to conserve Marsdenia R. Br. against Stephanotis Thouars (Asclepiadaceae)*. Taxon 39: 364–367.
- FORSTER, P.I. & K. HAROLD. 1989. *Secamone R. Br. (Asclepiadaceae: Secamoneidae) in Australia*. Austrobaileya 3: 69–78, 4 fig, 1 map. — One variable species.
- FOSBERG, F.R. & M.-H. SACHET. 1989. *Lectotypification of Ixora coccinea L. (Rubiaceae)*. Taxon 38: 486–489.
- FOSBERG, F.R. & M.-H. SACHET. 1989. *Three cultivated Ixoras (Rubiaceae)*. Baileya 23: 74–85. — Descriptions of I. chinensis, I. coccinea, I. casei, key, 2 new varieties and 2 new combinations.
- FOX, J.E.D. ?1972. *The natural vegetation of Sabah and natural regeneration of the dipterocarp forests*. Unpublished Thesis, University of Wales, Bangor. 361 pp and many tables and maps. — Very important study; another example of the unscientific system of Anglosaxon theses: years of hard labour wasted and a mine of information left unnoticed (for another example, see Hansen, Fl. Males. Bull. 9: 173; photocopy in L).
- FRANCIS, A. 1990. *The Tripsacinae: an interdisciplinary review of maize (Zea mays) and its relatives*. Acta Bot. Fenn. 140: 1–51, 4 fig. — Very interesting, occasionally rather speculative survey (Gramineae).
- FRANZEN, K. 1990. *Eine ungewöhnliche Orchidee aus West-Malaysia: Liparis furcata*. Der Orchidee 41: 59–61, 1 col. pl, 1 fig. (In German, Engl. summ.). — (Orchidaceae).

- FRIIS, I. 1989. *The Urticaceae: a systematic review*. In P.R. Crane & S. Blackmore (Eds.), Evolution, systematics, and fossil history of the Hamamelidae, Vol. 2: 285–308, 9 fig. — Also review of genera.
- FRYXELL, P.A. & L.A. CRAVEN. 1989. *Urena (Malvaceae) in Australia*. Austr. Syst. Bot. 2: 455–460, 2 fig. — Key; 1 new species, 1 new variety.
- FUKUOKA, N. 1989. *Notes on the Rubiaceae from Thailand*. 3. Acta Phytotax. Geobot. 40: 107–118, 5 fig. — Mycteria, 12 species, 4 new, keys.
- GADEK, P.A. & C.J. QUINN. 1989. *Affinities of southern Cupressaceae*. Austr. Syst. Bot. Soc. Newsrl. 60: 20–21, 1 fig. — Abstract; leaf bi-flavonoids, tracheid types, differentiation of protoxylem suggest artificial arrangement.
- GAMALEI, Y. 1989. *Structure and function of leaf minor veins in trees and herbs*. Trees 3: 96–110, 8 fig, 2 tab. — 2 major types, woody and herbaceous plants generally different; evolution of life forms.
- GANAPATHI, A. & G.R. RAO. 1989. *Biosystematics of Physalis L. in India*. Solanaceae Newsrl. 3: 27. — Abstract: 6 taxa.
- GANGOPAHYAY, M. & T. CHAKRABARTY. 1988. *Pubistylus Toth. (Rubiaceae) reduced to Diplospora DC*. J. Econ. Taxon. Bot. 12: 495–497, 1 fig.
- GARG, S. & T.C.S. SASTRY. 1988. *The genus Conyza Less. in India*. J. Econ. Taxon. Bot. 12: 435–437. — Enumeration, 10 species, synonymy, nomenclature (Compositae).
- GATUSSO M. & S. GATTUSO. 1989. *Exomorfología y anatomía de Nymphoides indica (L.) O. Kuntze (Menyanthaceae)*. Parodiana 5: 249–259, 3 fig. (In Spanish, Engl. summ.).
- GIBBS RUSSELL, G.E. & T.H. ARNOLD. 1989. *Fifteen years with the computer: assessment of the 'PRECIS' taxonomic system*. Taxon 38: 178–195, 11 fig, 4 tab. — Wide application in taxonomic and vegetation studies.
- GIBSON, N. & G. HOPE. 1986. *On the origin and evolution of Australasian alpine cushion plants*. In B.A. Barlow (Ed.), Flora and fauna of alpine Australasia: 63–81, 4 fig, 2 tab, 1 app.
- GOETGHEBEUR, P. 1989. *Studies in Cyperaceae. 9. Problems in the lectotypification and infrageneric taxonomy of Cyperus L.* Bull. Soc. Roy. Bot. Belg. 122: 103–114, 3 tab. — Cyperus esculentus lectotype; Mariscus, Torulinium included in Cyperus; Pycreus, Queenslandiella, Kyllinga, etc. distinct; Cyperus with 2 subgenera; list of generic and subgeneric names with typification.
- GOETGHEBEUR, P. 1990. *Studies in Cyperaceae. 9. Problems in the lectotypification and infrageneric taxonomy of Cyperus L.* Bull. Soc. Roy. Bot. Belg. 122: 103–114, 3 tab. — Cyperus esculentus lectotype; Kyllinga, Pycreus, Queenslandiella, Remirea distinct; 2 subgenera; list and many lectotypifications of generic and subgeneric synonyms.
- * GOETGHEBEUR, P. & A. V. D. BORRE. 1989. *Studies in Cyperaceae. 8. A revision of Lipocarpha, including Hemicarpha and Rikliella*. Wageningen Agric. Pap. 89-1: 1–87, 42 fig, 1 tab. — 35 species, 3 new, 5 new comb.; key; synonymy, descriptions, etc.

- GOETGHEBEUR, P. & D. SIMPSON. 1990. *List of exsiccata of Lipocarpha (including Hemicarpha and Rikliella)*. Cyp. Newsl. Sp. Issue 1: 1–24. ISSN 0775-1400. — List of type specimens; collectors.
- GOLDBERG, A. 1989. *Classification, evolution, and phylogeny of the families of Monocotyledons*. Smithson. Contr. Bot. 71: iii, 74 pp, 41 fig, 2 tab. — Very interesting survey with extensive descriptions of broadly delimited families.
- GOLDBLATT, P. 1990. *Campynemataceae*. Fl. Nouv.-Caléd. & Dép. 16: 125–134, 2 fig. — 1 genus, 3 species.
- GOLDBLATT, P. 1990. *Iridaceae*. Fl. Nouv.-Caléd. & Dép. 16: 119–124. — 2 genera, 3 species.
- GOTTSBERGER, G. 1989. *Comments on flower evolution and beetle pollination in the genera Annona and Rollinia (Annonaceae)*. Pl. Syst. Evol. 167: 189–194, 1 tab. — Cantharophily a derived condition.
- GOTTSBERGER, G. & G.T. PRANCE (Eds.). 1990. *Reproductive biology and evolution of tropical woody Angiosperms*. Mem. N.Y. Bot. Gard. 55: 1–196. — Proceedings of a Special Symposium held during the Botanical Congress, Berlin, 1987.
- GRAÇAS FERNANDES DA SILVA, M.F. DA, et al. 1988. *Chemosystematics of the Rutaceae: suggestions for a more natural taxonomy and evolutionary interpretation of the family*. Pl. Syst. Evol. 161: 97–134, 12 fig, 6 tab. — Current taxonomy artificial; new system with informal tribes; Toddalioideae spread over several of 17 tribes in Rutoideae.
- GRAHAM, A., et al. 1990. *Palynology and systematics of the Lythraceae. III. Genera Physocalymna through Woodfordia, addenda, and conclusions*. Am. J. Bot. 77: 159–177, 58 fig, 2 tab, 2 app. — Punica may be included, Duabanga, Sonneratia not.
- GREGOR, H.J. 1989. *Aspects of the fossil record and phylogeny of the family Rutaceae (Xanthoxyleae, Toddalioideae)*. Pl. Syst. Evol. 162: 251–265, 6 fig.
- GREGORY, M. & P. BAAS. 1989. *A survey of mucilage cells in vegetative organs of Dicotyledons*. Isr. J. Bot. 38: 125–174, 1 tab.
- GRUSZ, O. 1990. *Paphiopedilum ciliolare (Rchb.f.) Stein 1892*. Die Orchidee 41, Orchideenkartei 595–596, illus., 2 col. pl. (In German). — (Orchidaceae).
- GUÉDÈS, M. 1982. *A simpler morphological system of tree and shrub architecture*. Phytomorphology 32: 1–14, 2 fig. — Simplification and clarification of Hallé et al.'s (1978) system; key to the types.
- GUYMER, G.P. 1988. *A taxonomic revision of Brachychiton (Sterculiaceae)*. Austr. Syst. Bot. 1: 199–322, 55 fig. — Distinct from Sterculia; 5 sections, 1 new; 31 species, 16 new taxa, 5 new comb.; 8 hybrids; 2 species in Papua New Guinea; keys; descr.; index.
- HALLÉ, N. 1988. *Santalaceae*, Fl. Nouv.-Caléd. & Dép. 15: 99–152, fig. 18–33, maps. — 5 genera, 11 species; 2 new var.
- HALLIDAY, P. 1989. *Rhododendron burttii*. Kew Mag. 6: 110–112, 1 col. pl, 1 fig. — Description (Ericaceae).

- HAM, R.W.J. VAN DER. 1989. *New observations on the pollen of Ctenolophon Oliver (Ctenolophonaceae), with remarks on the evolutionary history of the genus.* Rev. Palaeobot. Palynol. 59: 153–160, 2 pl, 1 fig, 1 tab.
- HAMBALI, G.G., et al. 1989. *Salacca germplasm for potential economic use.* In J.S. Siemonsma & N. Wulijarni-Soetjipto (Eds.), Plant resources of South-East Asia: 260. — (Palmae).
- HAMBY, R.K. & E.A. ZIMMER. 1988. *Ribosomal RNA sequences for inferring phylogeny within the grass family (Poaceae).* Pl. Syst. Evol. 160: 29–37, 3 fig, 3 tab. — A first attempt with promise.
- HANSEN, B. 1989. *Justicia and Rungia (Acanthaceae) in the Indo-Chinese peninsula.* In L.B. Holm-Nielsen et al., Tropical forests: 201–210, 3 fig. — Many reductions, also of Malesian species.
- HANSEN, B. 1989. *Notes on S.E. Asian Acanthaceae. I.* Nord. J. Bot. 9: 209–215, 1 fig. — Justicia distinguished from Rungia; new taxa and names; index.
- HANSEN, H.V. 1990. *Phylogenetic studies in the Gerbera-complex (Compositae, tribe Mutisiae, subtribe Mutisiinae).* Nord. J. Bot. 9: 469–485, 26 fig, 6 tab. — 1 large genus; key to groups on hair characters.
- HASSAN, S.M.Z. & R.N. LESTER. 1989. *Origin and domestication of the Brinjal eggplant, Solanum melongena L., from Solanum incanum L., in Africa and Asia.* Solanaceae Newsl. 3: 30. — Abstract: S. incanum evolved in E. Africa, S. melongena in Indo-China, S. insanum seems a secondary weed, but cf. Deb, 1989.
- HEDBERG, I. (Ed.). 1988. *Systematic botany – a key science for tropical research and documentation.* Acta Univ. Ups., Symb. Bot. Ups. 28/3: 1–286.
- *HENDERSON, C.P. & I.R. HANCOCK. 1988. *A guide to the useful plants of the Solomon Islands.* Res. Dept., Ministry of Agriculture and Lands, Honiara, Solomon Islands. xiii + 481 pp, 88 fig, several tables; price unknown. — Very extensive manual on 450 useful plants; descriptions very brief, notes extensive; notes on vegetation; alphabetical checklist of all species known from the Solomons (apparently quite a few synonyms accepted, e.g. in Digitaria; a survey by family would have been more useful to specialists); diagnoses of families, also of ferns; index.
- HERSHKOVITZ, M.A. 1989. *Phylogenetic studies in Centrospermae: a brief reappraisal.* Taxon 38: 602–608.
- HINZ, P.-A. 1989. *L'endémisme: I. Concepts généraux.* Saussurea 20: 145–168, 1 tab. (In French, Engl. summ.). — Synthesis of concepts and classifications, glossary.
- HOLM-NIELSEN, L.B., I.C. NIELSEN & H. BALSLEV (Eds.). 1989. *Tropical forests, botanical dynamics, speciation and diversity.* xv, 380 pp, illus. Academic Press Ltd, 24–28 Oval Road, London NW1 7DX, London, U.K. ISBN 0-12-323550-6. £ 24.50. — See Reviews.
- HOPE, G. 1986. *Development of present day biotic distributions in the New Guinea mountains.* In B.A. Barlow (Ed.), Flora and fauna of alpine Australasia: 129–145, 6 fig.

- HOPKINS, H.C.F. 1989. *Patterns of diversity, distribution and speciation in Parkia*. Bull. Intern. Group Mimosoideae 17: 61–77, 6 fig. — (Leguminosae).
- HOTTA, M. (Ed.). 1989. *Diversity and plant-animal interaction in equatorial rain forests*. Occ. Pap. Kagoshima Univ. Res. Center S. Pac. 16: xvi, 203 pp, 8 col. pl, 5 app. — Report and collection of reprints of previously published papers on the 1987–1988 Sumatra Research Project Project, partly reviewed before.
- HOTTA, M. 1989. *Biological problems in Malesian tropics: remarks for the 1987–1988 Sumatra Research*. In M. Hotta, Diversity and plant-animal interaction in equatorial rain forests: 1–10.
- HOTTA, M. 1989. *Identification list of Impatiens (Balsaminaceae) in West Sumatra and G. Kerinci area*. In M. Hotta, Diversity and plant-animal interaction in equatorial rain forests: 59–65, 1 fig. — 16 species, 9 new, not described, 1 new combination; key; list of vouchers.
- HOTTA, M. 1989. *Identification list of Ensete and Musa (Musaceae) in S.E. Asia and West Malesia*. In M. Hotta, Diversity and plant-animal interaction in equatorial rain forests: 67–75. — Based on specimens in BO, KYO, L, SAN, SAR, and SING.
- HOWCROFT, N.H.S. 1989. *Contribution to the orchid flora of the Araucaria forests in New Guinea. 6: Lepidogyne sceptrum Schltr.* Orchadian 9: 154–157, 4 fig (1 col). — Description, ecology, cultivation (Orchidaceae).
- HSIEH, C.-F. 1989. *The genus Rubus in Taiwan*. J. Taiwan Mus. 42/1: 101–121. — 36 species; key, descriptions, distributions (Rosaceae).
- HU, C. 1990. *Primulaceae*. Fl. Reipubl. Pop. Sin. 59/1: 1–319, 59 fig. — Primuleae to Samoleae; 5 genera, 306 species.
- HUANG, S.F. & T.C. HUANG. 1989. *Notes on the flora of Taiwan (4) - The Albizia Durazz.* (Leguminosae). Taiwania 34: 54–57.
- HUANG, T.-C. 1988. *The vegetational history of Taiwan as reflected by geopalyнологical studies*. Proc. 2nd Conf. Palaeoenvironment of E. Asia from the mid-Tertiary 1 (Centre As. Studies Occ. Pap. & Monogr. 77/1): 528–559, 14 fig, 1 tab, 2 map. — Taiwan has become slightly warmer.
- HUANG, T.-C. 1989. *Palynological study of the Apocynaceae of Taiwan*. Grana 28: 85–95, 7 fig, 1 tab. — Key.
- HUANG, T.-C., et al. 1989. *Notes on the flora of Taiwan (3) – The miscellaneous plants*. Taiwania 34: 45–53, 6 fig. — E.g. Desmanthus virgatus (Leguminosae), Epithema brunonis (Gesneriaceae); key to Taiwan Mimosoideae.
- HUFFORD, L.D. & P.R. CRANE. 1989. *A preliminary phylogenetic analysis of the 'lower' Hamamelidae*. In P.R. Crane & S. Blackmore (Eds.), Evolution, systematics, and fossil history of the Hamamelidae. Vol. 1: 175–192, 1 tab, 1 app.
- HUMPHRIES, C.J. & S. BLACKMORE. 1989. *A review of the classification of the Moraceae*. In P.R. Crane & S. Blackmore (Eds.), Evolution, systematics, and fossil history of the Hamamelidae. Vol. 2: 267–277, 1 fig, 1 tab. — Cladistic study: family and most tribes not monophyletic.

- HUSAIN, T. & S.R. PAUL. 1989. *Taxonomic studies on Indian species of genus Ixora L. (Rubiaceae)*. J. Econ. Tax. Bot., Add. Ser. 6: 1–205, 10 pl, 35 fig, 17 map, tab. — Full revision; 6 sections, 43 species; collector's index.
- *HUTCHINGS, P. & P. SAENGER. 1987. *Ecology of mangroves*. xxii, 388 pp, 20 pl, illus. Univ. of Queensland Press, POB 42, St. Lucia (QI), Australia. ISBN 0-7022-2015-9. Price unknown. — Emphasis on Australia; n.v.: review in *Taxon* 38: 255.
- HWANG, Y.H. 1989. *The Casuarinaceae: the closest taxon of the family*. Austr. Syst. Bot. Soc. Newsl. 61: 2. — Neither Betulaceae nor Hamamelidaceae.
- HWANG, Y.H. 1989. *Classification of Australian Casuarinaceae using allozyme evidence*. Austr. Syst. Bot. Soc. Newsl. 60: 21. — Abstract; division between Allocasuarina and Casuarina not supported.
- HYLAND, B.P.M. 1989. *A revision of Lauraceae in Australia (excluding Cassytha)*. Austr. Syst. Bot. 2: 135–367, 87 fig, 72 map, 5 microfiche. — 7 genera, many new species; keys, descriptions, index to collectors.
- IBRAHIM, H. 1986. *Notes on gingers of Pulau Tioman*. Mal. Nat. 11/4: 10–13, 7 col. pl. — (Zingiberaceae).
- IBRAHIM, H. 1989. *Several Garcinia species of Penang Island*. Nat. Mal. 14/1: 28–31, 10 col. pl. — (Guttiferae).
- IMCHANITZKAJA, N. 1989. *Palmae (Arecaceae) in herbario instituti botanici nomine V.L. Komarovii (Leningrad) conservatae. 4. Specimina authentica specierum gerontogearum*. Nov. Syst. Pl. Vasc. 26: 16–29 (In Russian). — Many isotypes of Beccari, Griffith, etc.
- INNES, C. 1988. *The genus Hoya*. Plantsman 10: 129–140, 2 fig, 1 col. pl. — Popular account; diagnoses (Asclepiadaceae).
- ISMANTO, et al. 1988. *The feature of leaf anatomy of Zingiber inflexum and Z. neglectum*. Floribunda 33–35, 2 fig. (In Indonesian, Engl. summ.). — 2 different species (Zingiberaceae).
- JAASKA, V. & V. JAASKA. 1988. *Isoenzyme variation in the genera Phaseolus and Vigna (Fabaceae) in relation to their systematics: aspartate aminotransferase and superoxide dismutase*. Pl. Syst. Evol. 159: 145–159, 5 fig, 1 tab. — Vigna heterogeneous, clusters agree with modern taxonomy; Vigna subg. Catiang.
- JACKES, B.R. 1989. *Revision of the Australian Vitaceae, 5. Tetrastigma (Miq.) Planchon*. Austrobaileya 3: 149–158, 5 fig, 2 map. — 5 species, 1 Malesian, 3 new; key.
- JACOBSEN, N. 1990. *Blüht Cryptocoryne ferruginea Engler bei Vollmond?* Aqua-Planta 15: 55–62, 5 col. pl, 5 b/w. (In German). — Apparently flowers in lunar cycles in brackish water when tides remain low for 4–6(–8) days (Araceae).
- JACOBSEN, N., et al. 1989. *Ungewöhnliche vegetative Vermehrung bei der Gattung Cryptocoryne (Teil 1)*. Aqua-Planta 14: 83–88, 4 col. pl., 4 fig. (In German). — Usual vegetative propagation is by long subterranean stolons; in *C. consobrina* buds are present at the base of easily detachable roots, in *C. elliptica* at the base of easily detachable petioles (Araceae).

- JACOBY, G.C. 1989. *Overview of tree-ring analysis in tropical regions*. IAWA Bull. n.s. 10: 99–108, 5 fig.
- JACQUIN-DUBREUIL, A., et al. 1989. *Comparison of the effects of a microwave drying method to currently used methods on the retention of morphological and chemical leaf characters in Nicotiana tabacum L. cv. Samsun*. Taxon 38: 591–596, 4 fig, 1 tab. — Microwave best.
- JAFFE, K., et al. 1989. *Ants visit extrafloral nectaries of the orchid Spathoglottis plicata Blume*. Biotropica 21: 278–279. — Introduced and spreading in the neotropics (Orchidaceae).
- JARVIS, C.E. 1989. *A review of the family Buxaceae Dumortier*. In P.R. Crane & S. Blackmore (Eds.), Evolution, systematics, and fossil history of the Hamamelidae. Vol. 1: 273–278.
- JÉRÉMIE, J. 1988. *Hernandiaceae*. Fl. Nouv.-Caléd. & Dép. 15: 3–16, fig. 1–3, maps. — 2 genera, 3 species.
- JÉRÉMIE, J. 1989. *Autogamie dans le genre Utricularia L. (Lentibulariaceae)*. Bull. Mus. Nat. Hist. Nat., Paris, IV, 11 B, Adansonia: 17–28, 3 fig. (In French, Engl. summ.). — No insect visits observed, flowers selfing.
- JESSOP, J.P. (Ed.). 1989. *A list of the vascular plants of South Australia (Edition III)*. J. Adelaide Bot. Gard. 12: 1–163.
- JHA, U.C. & R.P. ROY. 1989. *Hermaphrodite flowers in dioecious Momordica dioica Roxb.* Curr. Sc. 58: 1249–1250. — (Cucurbitaceae).
- JOHANNESSEN, C.L. & A.Z. PARKER. 1989. *Maize ears sculptured in 12th and 13th century A.D. India as indicators of pre-Columbian diffusion*. Econ. Bot. 43: 164–180, 19 fig, 1 tab. — Very suggestive evidence (Gramineae).
- *JOHNS, R.J. 1989. *The flowering plants of Papua New Guinea. Dicotyledons, Part 3. Caryophyllidae*. Christensen Res. Inst. Publ. 2: 1–57, illus. ISBN 9980-56-010-X. Price unknown. — Compilation of 11 families, 43 genera, 92 species; keys, notes.
- JOHNS, R.J. 1989. *Notes on the Beiträge zur Flora von Papuasien*. Klinkii 4: 18–29. — List of the 130 papers, index to families treated.
- JOHNS, R.J. 1989. *Plantae papuanae archboldianae*. Klinkii 4: 75–84. — List of 21 publications and index to families, genera.
- JOHNS, R.J. & R. TAUREREKO. 1989. *A preliminary checklist of the collections of Calamus and Daemonorops from the Papuan region*. Rattan Res. Rep. 1989/2: 1–67, illus. — (Palmae).
- JOHNS, R.J. & R. TAUREREKO. 1989. *A guide to the collection and field description of Calamus (Palmae) from Papua New Guinea*. Rattan Res. Rep. 1989/3: 1–30, illus., 1 app. — What to collect; example of field label with multiple choice.
- JOHNS, R.J. & S. ZIBE. 1989. *A checklist of the species of Calamus and Korthalsia in Papua New Guinea*. Rattan Res. Rep. 1989/1: 1–13, illus. — Calamus at least 56 species, Korthalsia 2; original publication, (lecto)type, additional literature (Palmae).

- JOHNSON, D.M. 1989. *Revision of Disepalum (Annonaceae)*. Brittonia 41: 356–378, 6 fig. — Incl. Enicosanthellum; 9 species, 1 new, 2 new combinations; key; descriptions; cladistics.
- JOHNSON, L.A.S. & K.L. WILSON. 1989. *Casuarinaceae: a synopsis*. In P.R. Crane & S. Blackmore (Eds.), Evolution, systematics, and fossil history of the Hamamelidae. Vol. 2: 167–188, 6 fig. — Key; generic descriptions.
- *JONGKIND, C.C.H. & R.H.M.J. LEMMENS. 1989. *The Connaraceae, a taxonomic study with special emphasis on Africa*. Thesis, Wageningen. Agric. Univ. Wageningen Pap. 89/6: 1–403, 181 fig. — Morphology, anatomy, phylogeny, keys, descriptions; 2 new tribes, 5 new sections, new species, varieties; several species Asian and Malayan.
- JUNCOSA, A.M. & H. TOBE. 1988. *Embryology of tribe Gynotrocheae (Rhizophoraceae) and its developmental and systematic implications*. Ann. Missouri Bot. Gard. 75: 1410–1424, 28 fig, 3 tab. — Tribe paraphyletic; origin of dioecy in Gynotroches.
- JUNCOSA, A.M. & P.B. TOMLINSON. 1988. *A historical and taxonomic synopsis of Rhizophoraceae and Anisophyllaeaceae*. Ann. Missouri Bot. Gard. 75: 1278–1295, 19 fig (3 maps), 3 tab.
- JUNCOSA, A.M. & P.B. TOMLINSON. 1988. *Systematic comparison and some biological characteristics of Rhizophoraceae and Anisophyllaeaceae*. Ann. Missouri Bot. Gard. 75: 1296–1318, 33 fig, 2 tab. — Cladistic analysis shows “virtually no points of agreement between the two families”; Gynotrocheae paraphyletic.
- *KARTIKASARI, S.N. & A.J. WHITTEN. 1989. *The natural resources, ecology and environment of Java and Bali: a bibliography*. ix, 320 pp. Projek EMDI, Jl. Medan Merdeka Barat 15, Jakarta 10010, Indonesia. ISBN 979-8115-00-7. Price unknown. Mimeogr. (In Indonesian and English). — Very important manual.
- KATO, M., et al. 1989. *Flower visitors of 32 plant species in West Sumatra*. In M. Hotta (Ed.), Diversity and plant-animal interaction in equatorial rain forests: 15–31, 1 fig. 1 tab. — E.g. of Tibouchina semidecandra, Melastomataceae, a new generic record for Indonesia!
- KAUL, R.B. 1988. *Cupular structure in paleotropical Castanopsis (Fagaceae)*. Ann. Missouri Bot. Gard. 75: 1480–1498, 91 fig, 1 tab.
- KAUL, R.B. 1989. *Fruit structure and ecology in paleotropical Lithocarpus (Fagaceae)*. In P.R. Crane & S. Blackmore (Eds.), Evolution, systematics, and fossil history of the Hamamelidae. Vol. 2: 67–86, 9 fig.
- KAUR, J. & M.L. TRIVEDI. 1984. *Taxonomic significance of leaf anatomy in Indigofera L.* J. Pl. Anat. Morph. 1: 53–60, 3 fig, 1 tab. — 10 species distinct; key (Leguminosae).
- KEATING, R.C. & V. RANDRIANASOLO. 1988. *The contribution of leaf architecture and wood anatomy to classification of the Rhizophoraceae and Anisophylleaceae*. Ann. Missouri Bot. Gard. 75: 1343–1368, 43 fig, 3 tab. — No clear support for segregation.

- KELLOGG, E.A. 1989. *Comments on genomic genera in the Triticeae (Poaceae)*. Am. J. Bot. 76: 796–805, 1 fig, 3 tab. — Cladistic approach; Australopyrum to Psathyrostachys?
- KEßLER, P.J.A. 1987. *Some interesting distribution patterns in Annonaceae*. Annon. Newsrl. 6: 14–23, 8 map.
- KEßLER, P.J.A. 1989. *Some notes on different genera of Annonaceae in Malesia*. Annon. Newsrl. 7: 1–5. — Anomianthus, Fissistigma, Mezzettia, Mezzettiaopsis, Polyaulax, Popowia, Xylopia.
- KEßLER, P.J.A. 1990. *Studies on the tribe Saccopetaleae (Annonaceae). II. Additions to the genus Orophea Blume*. Blumea 34: 505–516, 3 fig. — 3 new species, notes; key.
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- *TROLL, W. & F. WEBERLING. 1989. *Infloreszenzuntersuchungen an monotelien Familien. Materialen zur Infloreszenzmorphologie*. vii, 490 pp, 373 fig. Gustav Fischer, Stuttgart, New York. ISBN 3-437-30599-9. Price unknown. (In German). — Monotelic inflorescences have a terminal flower (i.e. usually cymose), polytelic inflorescences are indeterminate (i.e. usually racemose).
- TUCKER, G.C. 1989. *The genera of Commelinaceae in the southeastern United States*. J. Arn. Arb. 70: 97–130, 2 fig. — Introduction, keys, descriptions, notes, literature.
- TZVELEV, N.N. 1989. *The system of grasses (Poaceae) and their evolution*. Bot. Rev. 55: 141–204. — Important survey of 2 subfamilies (Bambusoideae, Pooideae), 41 tribes (1 new: Leptaspideae), 908 genera; brief notes on taxonomy and evolution; no keys, nor index; the festucoid grasses have certainly *not* been in the mountains of New Guinea since the time of the original differentiation of grasses into basic groups: the island was probably hardly above water in the Cretaceous and early Tertiary; the present sub-alpine genera have undoubtedly all arrived either from Asia or from Australia (p. 197).
- UJI, T. 1988. *Morphological variation in Micromelum minutum from Java*. Floribunda 1: 31–32, 1 fig. (In Indonesian). — Micromelum pubescens not distinct (Rutaceae).
- UTAMI, N. 1988. *Pinang merah: Cyrtostachys renda or C. lakka?* Floribunda 1: 27–28 (In Indonesian). — (Palmae).
- VANDERBORGH, T. 1989. *Some observations on seedlings of Vigna vexillata (L.) A. Rich. (Fabaceae)*. Bull. Jard. Bot. Nat. Belg. 59: 179–187, 2 fig, 2 tab, 2 app. — Races distinct by epi- and hypogea germination.
- VEILLON, J.-M. 1990. *Dilleniaceae*. Fl. Nouv.-Caléd. & Dép. 16: 1–86, 15 fig. — 3 genera, 26 species.
- VERDCOURT, B. 1989. *Proposal to conserve the name Mimosa pigra L., with a conserved type (Spermatophyta: Leguminosae - Mimosoideae)*. Taxon 38: 522–523.
- VERMEULEN, J.J. 1990. *New species of Bulbophyllum section Macrouris (Orchidaceae) from New Guinea*. Blumea 34: 498–503, 3 fig.
- VEZEY, Q.L., et al. 1988. *Morphology and phenetics of Rhizophoraceae pollen*. Ann. Missouri Bot. Gard. 75: 1369–1386, 71 fig, 5 tab. — Anisophylleaceae distinct.
- VIJ, S.P. & N. SHEKHAR. 1988. *Cytotaxonomic studies in Pholidota*. J. Orch. Soc., India 2: 39–48, 11 fig, 1 tab. — 7 Himalayan species; $x = 20$; diagnoses; *P. griffithii* distinct (Orchidaceae).
- WAHA, M. & M. HESSE. 1988. *Aperture types within Sapranthus and Polyalthia (Annonaceae)*. Pl. Syst. Evol. 161: 135–146, 4 fig, 1 tab. — 5 (new) types differing in intine characters in Polyalthia, one of which also in Sapranthus.

- WANG, P.-L. 1989. *A study on pollen morphology and ultrastructure of subfamily Castaneoideae (Fagaceae) in China*. Acta Phytotax. Sin. 27: 205–214, 2 tab. (In Chinese, Engl. summ.). — 45 species of Castanea, Castanopsis, Lithocarpus; same subfamily.
- WARREN, R. 1990. *New Guinea Dendrobiums – III: Section Pedilonum*. Am. Orchid Soc. 59: 473–479, 9 col. pl. 1 b/w. — (Orchidaceae).
- WARREN, R. 1990. *New Guinea orchids – I: Dendrobium section Latouria*. Am. Orch. Soc. Bull. 59: 129–134, 5 col. pl, 1 b/w, 1 tab. — (Orchidaceae).
- WARREN, R. 1990. *New Guinea orchids – II: The Antelope Dendrobiums*. Am. Orch. Soc. Bull. 59: 252–259, 6 col. pl, 1 b/w. — Sect. Ceratobium = sect. Spatulata (Orchidaceae).
- WARWICK, M. & S. HELFER. 1990. *A scanning microscope survey of the Vireya Rhododendrons*. Notes Roy. Bot. Gard. Edinburgh 46: 365–374, 6 fig, 2 tab, 1 app. — Method of study of scales; prepared with OsO₄ fumigation, not with solution! (Ericaceae).
- WATERWAY, M.J. 1990. *Systematic implications of achene micromorphology in Carex section Hymenochlaenae (Cyperaceae)*. Canad. J. Bot. 68: 630–639, 30 fig, 2 tab. — Taxonomically useless.
- WATSON, M.F. 1989. *Nomenclatural aspects of Oxalis section Corniculatae in Europe*. Bot. J. Linn. Soc. 101: 347–362, 8 fig. — Oxalis corniculata lectotypified (Oxalidaceae).
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- WEBER, A. 1989. *Didymocarpus geitleri, a remarkable new species of Gesneriaceae with deceptive pollen flowers*. Pl. Syst. Evol. 164: 95–100, 2 fig. — The long-exserted style mimics a pollen-rich anther.
- WEBER, A. 1989. *Spectacular rain-forest melastoms: Phyllagathis tuberculata and Ph. stonei*. Nat. Mal. 14/2: 48–51, 5 col. pl, 2 b/w. — (Melastomataceae).
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- WEBERLING, F. & U. HERKOMMER. 1989. *Untersuchungen zur Infloreszenzmorphologie der Thymelaeaceen*. Trop. & Subtrop. Pfl.-Welt. 68: 1–124, 62 fig. (In German, Engl. summ.).
- WEINER, G. & W. LIESE. 1988. *Anatomical structures and differences of rattan genera from Southeast Asia*. J. Trop. For. Sc. 1: 122–132, 11 fig, 1 tab. — (Palmae).
- WEINER, G. & W. LIESE. 1990. *Rattans – stem anatomy and taxonomic implications*. IAWA Bull. n.s. 11: 61–70, 20 fig, 2 tab. — 114 species studied (Palmae).

- WEINLAND, G. & A.Z. YAHYA. 1989. *An annotated bibliography on Acacia mangium.* Res. Pamphlet 102: 104 pp. — (Leguminosae).
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- *WELZEN, P.C. VAN. 1989. *Guioa Cav. (Sapindaceae): taxonomy, phylogeny, and historical biogeography.* Leiden Botanical Series Vol. 12: 1–315, 129 fig. ISBN 90-71236-04-8. Rijksherbarium / Hortus Botanicus, POB 9541, 2300 RA Leiden, The Netherlands. Dfl. 75.00. — Full revision of 64 species in 2 subgenera (1 new), 5 sections (4 new), 7 subsections (5); leaf anatomy; extensive phylogenetic and historical biogeographic analysis; keys, descriptions.
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- WEST, J.G. & P.J. GARNOCK-JONES. 1986. Evolution and biogeography of *Scleranthus* (Caryophyllaceae) in Australasia. In B.A. Barlow (Ed.), *Flora and fauna of alpine Australasia:* 435–450, 4 fig, 2 tab. — Origin in Gondwana in Mesozoic; some examples of Eurasian/Australian generic disjunction patterns.
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- WHITMORE, T.C. 1989. *Canopy gaps and the two major groups of forest tree species.* Ecology 70: 536–538. — Climax species germinate under forest canopy in the shade and juveniles wait for small gaps to fill; pioneers germinate in full light and so can only fill large gaps; intermediary species occur.

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- WHITMORE, T.C. 1989. *Guidelines to avoid measurement problems in permanent sample plots in tropical rain forests.* Biotropica 21: 282–283, 1 tab. — A cautionary tale: if no time-consuming precautions are taken, the whole effort may become meaningless.
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- *WHITMORE, T.C., et al. 1989. *Tree flora of Indonesia. Check list for Sulawesi.* vii, 204 pp, 23 fig. Forest Research and Development Centre, Bogor.
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- WOODS, P. 1989. *Effects of logging, drought, and fire on structure and composition of tropical forests in Sabah. Malaysia.* Biotropica 21: 290–298, 2 fig, 5 tab. — Recovery of forest structure in primary forest not bad, but in logged-over forests not, may turn into Imperata grassland.
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- YEO, P.F. 1990. *A re-definition of Verbena brasiliensis*. *Kew Bull.* 45: 101–120, 4 fig, 2 tab. — Delimitation against *V. bonariensis*, *V. litoralis*; nomenclature, descriptions, distributions (Verbenaceae).
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- ZHANG, P. & Y. ZHANG. 1990. *Elatinaceae*. *Fl. Reipubl. Pop. Sin.* 50/2: 132–138, fig. 36, 37. — 2 genera, 6 species.
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- ZOU, S. 1989. *A revision of the genus Dysoxylum in Yunnan*. *Acta Bot. Yunn.* 11: 154–158. (In Chinese, Engl. summ.). — 10 species, 1 combination validated (Meliaceae).