

**XIII. BIBLIOGRAPHY**  
*(continued from Volume 11, page 198)*

\* Books have been marked with an asterisk.

BRYOPHYTES

- AKIYAMA, H. 1993. A submerged rheophytic moss, *Fissidens dalamair* sp. nov. (*Fissidentaceae*) from West Kalimantan, Indonesia. *Acta Phytotax. Geobot.* 44: 21–26, illus. — 'dalam air' is 'submerged' in Indonesian.
- AKIYAMA, H. 1993. Taxonomic studies of mosses of Seram and Ambon (Moluccas, East Malesia) collected by Indonesian-Japanese botanical expeditions. VII. *Lembophyllaceae, Splachnaceae, Myuriaceae, Neckeraceae, Brachytheciaceae, Amblystegiaceae and Sematophyllaceae* with additions to previous reports on *Dicranaceae* and *Pterobryaceae*. *J. Fac. Sc. Univ. Tokyo III.* 15: 219–254.
- AKIYAMA, H. & N. NISHIMURA. 1993. The *Climacium*-type branch development in the *Bartramiaceae* and its taxonomic significance. *Bryologist* 96: 185–191, illus. — Present in all genera but *Catascopium*; family perhaps not to be included in *Bryineae*.
- AKIYAMA, H. & N. NISHIMURA. 1993. Further studies on branch buds in mosses; 'pseudoparaphyllia' and 'scaly leaves'. *J. Pl. Res.* 106: 101–108, illus. — Development of *Climacium*-type.
- AKIYAMA, H. & W.D. REESE. 1993. Taxonomic studies of mosses of Seram and Ambon (Moluccas, East Malesia) collected by Indonesian-Japanese Botanical expeditions. VI. *Callymperaceae*. *J. Fac. Sc. Univ. Tokyo III.* 15: 199–218, illus. — Keys, some literature, specimens, notes, index.
- ARTS, T. 1993. Rhizoidal tubers in the genus *Campylopus* and their systematic relevance. *Lindbergia* 18: 31–40, illus. — Hardly relevant above species.
- BARTHOLOMEW-BEGAN, S.E. 1991. A morphogenetic re-evaluation of *Haplomitrium* Nees (*Hepatophyta*). *Bryoph. Bibl.* 41: 297 pp + 507 fig. — 2 subgenera, 2 sections, 7 species, 1 new variety; closest to Metzgeriales; extensive morphology, ontogeny; keys.
- \* BATES, J.W. & A.M. FARMER (Eds.). 1992. *Bryophytes and lichens in a changing environment*. xii, 404, illus. Clarendon Press, Oxford. ISBN 0-19-854291-7. Price unknown. — Ecological classifications; role in terrestrial ecosystems; controls on growth; distribution patterns; changing ranges; lichens and air pollution; moss-dominated wetland ecosystems; temperate forest management; tropical rain forests; impact of agriculture; effects of acid rain; *Sphagnum* and pollution; pollution and aquatics; evolution.
- BISCHLER-CAUSSE, H. 1993. *Marchantia* L. The European and African taxa. *Bryoph. Bibl.* 45: 129 pp, illus. — Some also Malesian; keys; synonymy, extensive descriptions, notes.
- BUCK, W.R. 1994. A new attempt at understanding the *Meteoriaceae*. *J. Hattori Bot. Lab.* 75: 51–72. — To Hypnales; 5 new genera, 9 new comb.; key.
- CRONBERG, N. 1991. Reproductive biology of *Sphagnum*. *Lindbergia* 17: 69–82, illus. — Summary of present knowledge.

- CROSBY, M.J., R. GROLLE & G. ZIJLSTRA. 1993. *Bryophyte family names in current use*. Regn. Veg. 126: 61–70.
- FURUKI, T. 1994. *Taxonomic studies of Asiatic species of Aneuraceae (Hepaticae). I. Riccardia subgen. Corionneura Furuki*. J. Hattori Bot. Lab. 75: 257–261, illus. — 2 species; key; descriptions.
- GROLLE, R. 1993. *Proposal to conserve Aneura Dumort. (Hepaticae) with a conserved type*. Taxon 42: 889–890. — Type: *A. pinguis*.
- HASEGAWA, J. 1993. *Taxonomical studies on Asian Anthocerotae. V. A short revision of Taiwanese Anthocerotae*. Acta Phytotax. & Geobot. 44: 97–112, illus. — 14 species, 2 new taxa; key, notes.
- HEDENÄS, L. 1993. *A generic revision of the Warnstorffia-Calliergon group*. J. Bryol. 17: 447–479, illus. — Mainly based on N Europe representatives; keys; synonymy; 1 new genus, 3 new comb.
- HIGUCHI, M. & Z. IWATSUKI. 1994. *New Caledonian Ectropothecium (Hypnaceae)*. J. Hattori Bot. Lab. 75: 85–95, illus. — Some species Malesian.
- HYVÖNEN & S. PIIPPO. 1993. *Cladistic analysis of the hornworts (Anthocerotophyta)*. J. Hattori Bot. Lab. 74: 105–119, illus.
- JOVET-AST, S. 1993. *Riccia L. (Hepaticae, Marchantiales) from South America. Subgen. Thallocarpus, Leptoriccia, Ricciella*. Cryptogamie, Bryol., Lichenol. 14: 219–301, illus. — Also Malesian taxa.
- KRUIJER, H. 1993. *Systematiek van de Cyathophoroideae: een introductie*. Buxbaumia 31: 31–37, illus. (In Dutch). — Cladistic analysis of a subfamily of Hypopterygiaceae.
- LEWINSKY, J. 1993. *Monographic studies on Orthotrichum (Musci). A synopsis of the genus Orthotrichum Hedw. (Musci, Orthotrichaceae)*. Bryobrothera 2: 1–59, illus. — 7 subgenera, 116 species (20 new), 11 varieties (3 new); history; morphology, ecology, geography, taxonomy; keys; diagnoses infragen taxa; discussion.
- MAGILL, R.E. 1993. *A revision of the genus Cladopodanthus (Leucobryaceae, Musci)*. Bryologist 96: 233–241, illus. — 3 species; key to SE Asian genera and species; synonymy, descriptions, notes.
- MENZEL, M. & W. SCHULTZE-MOTEL. 1994. *Taxonomische Notizen zur Gattung Trachycladiella (Fleisch.) stat. nov. (Metoreiaceae, Leucodontales)*. J. Hattori Bot. Lab. 75: 73–83, illus. (In German, Engl. summ.). — Floribundaria sect. raised to genus, 2 new combinations.
- MILLER, D.H. & H.A. MILLER. 1994. *A new Mastigophora (Hepatophyta) from New Guinea*. J. Hattori Bot. Lab. 75: 179–182, illus.
- PIIPPO, S. 1993. *Hepatics from the Solomon Islands. I. Nova Hedwigia* 56: 355–365, illus. — 24 new records, 1 new *Heteroscyphus*.
- PIIPPO, S. 1994. *Phytogeography and habitat ecology of Western Melanesian endemic Hepaticae*. J. Hattori Bot. Lab. 75: 275–293, illus.

- PURSELL, R.A., M.A. BRUGGEMAN-NANNENGA & Z. IWATSUKI. 1993. *The identity of Fissidens gardneri and Fissidens minutus*. Bryologist 96: 626–628.
- REESE, W.D. 1994. *The subgenera of Mitthyridium (Musci)*. J. Hattori Bot. Lab. 75: 41–44. — About 20 species, 4 subgenera (3 new); key.
- REESE, W.D. & H. STREIMANN. 1994. *Calymperes subserratum (Musci), new to eastern Malesia, with notes on C. serratum and C. subulatum*. Bryologist 97: 80–82, illus.
- SCHOFIELD, W.B. 1993. *The species concept as applied to bryophytes*. J. Hattori Bot. Lab. 74: 23–27.
- SCHUSTER, R.M. 1993. *On Cephalozia pachycaulis sp. nov. and the perimeters of Cephalozia*. Bryologist 96: 619–625, illus.
- SHARMA, D & S.C. SRIVASTAVA. 1993. *Indian Lepidoziineae (a taxonomic revision)*. Bryoph. Bibl. 47: xi, 353 pp, illus. (n.v.).
- SHAW, A.J. 1993. *Morphological uniformity among widely disjunct populations of the rare 'Copper moss', Scopelophila cataractae (Pottiaceae)*. Syst. Bot. 18: 525–537, illus.
- STREIMANN, H. 1993. *Barbella trichophora, an older name for B. cubensis*. Bryologist 96: 223–225, illus.
- TAN, B.C. 1993. *Noteworthy range extension of Malesian mosses*. J. Hattori Bot. Lab. 74: 227–233. — 1 comb. nov. in *Clastobryophilum*.
- TAN, B.C. & Z. IWATSUKI. 1993. *A checklist of Indochinese mosses*. J. Hattori Bot. Lab. 74: 325–405. — 55 families, 236 genera, 995 species; 13 new names and combinations.
- THIERS, B.M. 1993. *A monograph of Pleurozia*. Bryologist 96: 517–554, illus. — Keys, descriptions, notes on 11 species; cladistics; new: 2 subgenera, 1 species, 1 variety.
- TOUW, A. 1993. *Notes on tropical Asian Thuidiaceae, with two new Malesian species of Thuidium s.l.* J. Hattori Bot. Lab. 74: 193–204, illus.
- YAMAGUCHI, T. 1993. *Leucobryaceae and Leucophanoideae (Calymperaceae) on Seram and Amboin Islands*. Hikobia 11: 299–303. — 23 taxa, none new.
- ZANDER, R.H. 1993. *Genera of the Pottiaceae: mosses of harsh environments*. Bull. Buffalo Soc. Nat. Sc. 32: vi, 1–378, illus. — Beautifully illustrated (by P.M. ECKEL) generic revision; general introductions, cladistics, keys; many new taxa, combinations; synonymy, descriptions, notes; checklist; bibliography; index.
- ZIJLSTRA, G. 1994. *Report of the Committee for Bryophyta: 3*. Taxon 43: 269. — Conservation of *Riccia* with a conserved type, *R. glauca*, recommended.

#### PTERIDOPHYTES

- AMOROSO, V.B. 1993. *Morpho-systematic studies on some Pteridophytes in Mt. Kitanglad, Bukidnon, Philippines*. Biotrop Sp. Publ. 51: 97–128, illus. — Checklist 88 species, description, habitat, uses.

- BASU, S. K. & G. S. GIRI. 1991. *Systematic studies of the family Davalliaceae Mett. ex Frank in India – Humata Cav.* J. Econ. Tax. Bot. 15: 109–120, illus. — 5 species (3 Malesian); keys to genera and species; synonymy, descriptions; specimens in CAL.
- \*BECKER, M. 1992. *Ferns of Penang Hill*. Unpaged. Private publ.: Rheinische-Friedrich-Wilhelm-Universität, Bonn, Germany. — List of 106 species, deposited at USM; notes.
- BIDIN, A., R. GO, R. JAMAN & B. AHMAD. 1991. *Two notable plants of the jungle of Pulau Tioman*. Nat. Mal. 16/1: 8–9, illus. — *Lycopodium phlegmaria*.
- BIDIN, A. & R. JAMAN. 1992. *Notes on the rare fern, Pteris holttumii C. Chr.* Gard. Bull., Singapore 44: 47–50, illus.
- CONANT, D. S., D. B. STEIN, A. E. C. VALINSKI, P. SUDARSANAM & M. E. AHEARN. 1994. *Phylogenetic implications of chloroplast DNA variation in the Cyatheaceae. I.* Syst. Bot. 19: 60–72, illus. — Findings most consistent with Lellinger's system.
- DIXIT, R. D., A. DATTA & R. K. GHOSE. 1992. *Luerssenia Kuhn – a new generic fern record from the Nicobar Islands, India*. Bull. Bot. Surv. India 32 ('1990'): 178–180, illus. — Synonymy, description.
- DIXIT, R. D. & B. KRISHNA. 1992. *Pronephrium cuspidatum (Bl.) Holtt. – new to India from Nicobar islands with notes on confused related taxa*. Bull. Bot. Surv. India 31 ('1989'): 126–129, illus.
- GAY, H. 1994. *Rhizome structure and evolution in the ant-associated epiphytic fern Lecanopteris Reinw. (Polypodiaceae)*. Bot. J. Linn. Soc. 113: 135–160, illus. — Genus not monophyletic.
- GREEN, P. S. 1993. *Two new combinations in Crepidomanes and one in Cephalomanes (Hymenophyllaceae)*. Kew Bull. 48: 618. — 1 Malesian.
- HEBANT-MAURI, R. & H. GAY. 1993. *Morphogenesis and its relation to architecture in the dimorphic clonal fern Lomagramma guianensis (Aublet) Ching (Dryopteridaceae)*. Bot. J. Linn. Soc. 112: 257–276, illus. — Systematic position, distribution, life history, comparative morphogenesis.
- KATO, M. 1993. *Biogeography of ferns: dispersal and vicariance*. J. Biogeogr. 20: 265–274, illus. — Ceram fern flora most closely related to that of New Guinea.
- KATO, M. 1993. *A taxonomic study of the genus Matonia (Matoniaceae)*. Blumea 38: 167–172, illus. — 2 species; key; synonymy, notes.
- KRAMER, K. U. 1993. *Distribution patterns in major pteridophyte taxa relative to those of angiosperms*. J. Biogeogr. 20: 287–291.
- LELLINGER, D. B. 1993. *Application of the name Goniophlebium and a new subgeneric name in Polypodium*. Am. Fern J. 83: 37–38. — *Goniophlebium* restricted to Old World, American taxa to *Polypodium*.
- MADHUSOODANAN & K. R. LEENA. 1991. *The genus Christella Lev. (Thelypteridaceae) in South India*. J. Econ. Tax. Bot. 15: 617–625, illus. — 5 species (4 Malesian); key; synonymy, descriptions, specimens under taxa.

- MADHUSOODANAN, P.V., P.J. SEVICHAN & A. REJANI. 1991. *Cytotaxonomy and phylogeny of heterosporous ferns*. J. Econ. Tax. Bot. 15: 243–249, illus. — Marsileales, Salviales appear related to Selaginellales, Isoetales; Azollaceae distinct.
- NAIR, G.B. 1991. *The fern genus Calochlaena – a taxonomic study*. J. Econ. Tax. Bot. 15: 333–343, illus. — Compared to Culcita; 5 species (3 Malesian), 5 new comb.; keys; synonymy, descriptions, specimens under taxa, distribution, ecology.
- NAIR, G.B. 1992. *The fern genus Saccoloma Kaulf. – a taxonomic study*. J. Econ. Tax. Bot. 16: 637–646, illus. — 8 species, 3 new comb.; key; synonymy, descriptions.
- NAKAMURA, T. & F. MIYAMOTO. 1993. *A new species of Asplenium from Ponape Island, Micronesia*. J. Jap. Bot. 68: 70–72, illus.
- PUNETHA, N. & B.S. KHOLIA. 1992. *On the identity and distribution of Oleandra pistillaris (Sw.) C. Chr. in India*. Bull. Bot. Surv. India 31 ('1989'): 180–181, illus. — Compared to O. wallichii; synonymy, diagnosis.
- ROLLERI, C. 1993. *Revision of the genus Christensenia*. Am. Fern J. 83: 3–19, illus. — 3 taxa, 2 new comb.; anatomy, morphology; key; synonymy, descriptions.
- SMITH, A.R. 1993. *Phytogeographic principles and their use in understanding fern relationships*. J. Biogeogr. 20: 255–264, illus.
- TAN, H.T.W., A.b. IBRAHIM & K.S. CHUA. 1992. *Additions to the Flora of Singapore. I*. Gard. Bull., Singapore 44: 127–133. — Notes on 2 new records of Adiantum.

#### SPERMATOPHYTES AND OTHER GENERAL SUBJECTS

- ACHMAD, S.A., Y.M. SYAH, E.H. HAKIM & L. MAKMUR. 1993. *Alkaloid constituents of Persea rimosa (Bl.) Kosterm. and their significance to the chemosystematic of the family Lauraceae*. Biotrop Sp. Publ. 51: 151–156, illus. — Persea appears most primitive in family.
- ADAM, J.H., C.C. WILCOCK & M.D. SWAINE. 1992. *The ecology and distribution of Bornean Nepenthes*. J. Trop. For. Sc. 5: 13–25. — Described for 31 species.
- ADAM, P. 1992. *Australian rainforests*. Oxford Monogr. Biogeogr. 6: i–xiii, 1–308 pp, illus. ISBN 0-19-854223-2. US\$ 85.00 [n.v.: Taxon 42 (1993) 744].
- ADEMA, F. & R.W.J.M. VAN DER HAM. 1993. *Cnesmocarpon (gen. nov.), Jagera, and Trigonachras (Sapindaceae–Cupaniaceae): phylogeny and systematics*. Blumea 38: 173–215. — 4 species, 3 new; cladistic analyses; 2 pollen types; leaf anatomy; macromorphology; revision; keys.
- AHMED, M. & M.K. PASHA. 1993. *A taxonomic account of Sarcanthus Lindl. (Orchidaceae) from Bangladesh*. J. Econ. Tax. Bot. 17: 487–492, illus. — 4 species; key; synonymy, brief descriptions.
- ALI, T. 1993. *Lentibulariaceae*. Fl. Pakistan 196: 1–8, illus. — 3 species.

- ALLORGE, L. 1993. *Kopsia teeoi L. Allorge (Apocynaceae), a new Malayan species*. Acta Bot. Gall. 140: 97–99, illus.
- AL-SHAMMARY, K.I. & R.J. GORNALL. 1994. *Trichome anatomy of the Saxifragaceae s.l. from the southern hemisphere*. Bot. J. Linn. Soc. 114: 99–131, illus. — 4 types more or less corresponding with present classification.
- AMATO, P. D'. 1993. *Nepenthes eymai*. Carnivorous Pl. Newsl. 21: 21. — Description, cultivation; correct epithet is 'eymae' (Rec. 73.C.1.a).
- ANDERSON, W.R. 1994. *The problem of -pterys vs. -pteris in the Malpighiaceae*. Taxon 43: 123–126. — -pterys recommended for all (infra-)generic names, e.g. *Aspidopterys*, *Ryssopterys*.
- ANDERSSON, L. 1993. *Pollen characteristics of the tribes Calycophylleae, Cinchoneae, and Hilliae (Rubiaceae)*. Nord. J. Bot. 13: 405–417, illus. — 4 types; small groups and individual genera well-characterized by pollen.
- ANTHONYSAMY, S. & R. KIEW. 1993. *Myth or medicine? Tongkat Ali – Eurycoma species*. Intern. Seminar & Workshop on the taxonomy and phytochemistry of the Simaroubaceae: 42–43. — *Eurycoma apiculata*, *E. longifolia*.
- APPANAH, S., A.H. GENTRY & J.V. LAFRANKIE. 1993. *Liana diversity and species richness of Malaysian rain forests*. J. Trop. For. Sc. 6: 116–123, illus.
- \* APPANAH, S., F.S.P. NG & R. ISMAIL (Eds.). 1991. *Malaysian forestry and forest products research*. Proceedings of the Conference October 3–4, 1990, Forest Research Institute Malaysia. ISBN 967-9991-56-3. Price unknown. — No taxonomy.
- ARMBRUSTER, W.S. 1994. *Early evolution of Dalechampia (Euphorbiaceae): insights from phylogeny, biogeography, and comparative ecology*. Ann. Missouri Bot. Gard. 81: 302–316, illus.
- EVERYANOV, L.V. & N.L. VU. 1991. *The genus Eria in Vietnam, sections Hymenaria, Secundae, Cylindrolobus and Conchidium*. Bot. Dzj. 76: 442–449 (In Russian). — Keys; synonymy, distribution.
- BANDYOPAHYAY, S. & K. THOTHATHRI. 1993. *The identity of Lasiobema horsfieldii Miq. (Leguminosae: Caesalpinioideae)*. J. Econ. Tax. Bot. 17: 693–696, illus. — = *Bauhinia scandens*.
- BÄNZIGER, H., U. MASCHWITZ & G. ZIZKA. 1993. *Rafflesiaceae – eine faszinierende und rätselhafte Pflanzenfamilie*. Palmengarten 93/2: 65–74, illus. (In German). — Popular account, beautiful pictures.
- BARLOW, B.A. 1993. *Conspectus of the genera Amylotheca, Cyne, Decaisnina, Lampas, Lepeostegeres, and Loxanthera (Loranthaceae)*. Blumea 38: 65–126, illus. — 46 species, 3 new, 15 new comb.; keys; synonymy, notes; name index.
- BASTMEIJER, J.D. 1993. *Das Pflanzenporträt: Cryptocoryne fusca de Wit*. Aqua-Planta 93: 108–112, illus. (In German). — Description, history, cultivation, distribution (Araceae).
- BASU, D. 1992. *Two new additions for Indian flora (Thymelaeaceae)*. Bull. Bot. Surv. India 31 ('1989'): 132–135, illus. — E.g. *Daphne composita* (Arunachal Pradesh).

- BASU, P. & B. MITRA. 1991. *A note on the less known plant Bischofia javanica Blume (Bischofiaceae) in Sikkim*. J. Econ. Tax. Bot. 15: 703–704. — Description, uses.
- BASU, P. & B. MITRA. 1992. *Preliminary notes on the climbing taxa of Andaman & Nicobar Islands with special reference to their importance*. J. Econ. Tax. Bot. 16: 393–399.
- BAUM, D.A. & K. OGNUMA. 1994. *A review of chromosome numbers in Bombacaceae with new counts for Adansonia*. Taxon 43: 11–20, illus. — *Durioneae* distant from remainder of family.
- BEACH, J.H., S.J. OZMINSKI & D.E. BOUFFORD. 1993. *An Internet botanical specimen data server*. Taxon 42: 627–629, illus. — Available: Type specimens of *Labiatae* in GH: herbdata@huh.harvard.edu; specimen database Mt Kinabalu by BEAMAN et al.: herbdata@herbarium.bpp.msu.edu.
- BEAMAN, J.H. & R.S. BEAMAN. 1993. *The Gymnosperms of Mount Kinabalu*. Contr. Univ. Michigan Hb. 19: 307–340, illus. — 3 families, 9 genera, 26 species, 2 varieties; key; enumeration with specimens under taxa; collector's index.
- \*BEHNKE, H.-D. & T.J. MABRY (Eds.). 1994. *Caryophyllales*. Evolution and systematics. xiv, 334, illus. Springer-Verlag, Berlin, etc. ISBN 3-540-56695-3, 0-387-56695-3. Price unknown. — Nomenclatural and taxonomic history (A. CRONQUIST & R.F. THORNE), chromosome numbers (B.L. TURNER), vascular tissues (A.C. GIBSON), epicuticular wax (W. BARTHLOTT), sieve-element plastids (H.-D. BEHNKE), flower morphology and ontogeny (U. HOFMANN), pollen morphology and exine ultrastructure (J.W. NOWICKE), variation of chloroplast DNA inverted repeat (S.R. DOWNIE & J.D. PALMER), gene sequences (J.R. MANHART & J.H. RETTIG), review and evolutionary significance of the betalains (J.S. CLEMENT, T.J. MABRY, H. WYLER & A.S. DREIDING), recent advances in betalain analysis (D. STRACK & V. WRAY), cladistic and phenetic studies (J.E. RODMAN), origin and relationships from developmental flower morphology (P. LEINS & C. ERBAR), relationships with Angiosperms (K. KUBITZKI), *Lyallia kerguelensis* (A. LOURTEIG).
- BEURTON, C. 1994. *Gynoecium and perianth in Zanthoxylum s.l. (Rutaceae)*. Pl. Syst. Evol. 189: 165–191, illus. — *Fagara* not distinct.
- BIDIN, A., R. GO, R. JAMAN & B. AHMAD. 1991. *Two notable plants of the jungle of Pulau Tioman*. Mal. Nat. 16: 8–9, illus. — *Rafflesia cantleyi*.
- BINOJKUMAR, M.S. & N.P. BALAKRISHNAN. 1993. *Notes on Euphorbia atoto G. Forster and its allied species (Euphorbiaceae)*. Rheedia 3: 113–116, illus. — *Euphorbia atoto* in India is *E. articulata*; key; description; should also occur in Malesia.
- BITTRICH, V. & M. DO C.E. AMARAL. 1994. *Lectotypification of Gomphia Schreb. (Ochnaceae)*. Taxon 43: 89–93. — Conservation of *Gomphia* rejected, reduced to *Ouratea*; *Ouratea* species of Old World to *Campylospermum*, 1 new comb.
- BOESEWINKEL, F.D. 1994. *Ovule and seed characters of Balanites aegyptiaca and the classification of the Linales – Geraniales – Polygalales assembly*. Acta Bot. Neerl. 43: 15–25, illus. — Family distinct, Linales expanded (*Balanitaceae*).
- \*BOLLI, R. 1994. *Revision of the genus Sambucus*. Diss. Bot. 223: 256 pp., illus. — 9 species (1 Malesian), 8 subsp. (all new); position enigmatic: monotypic family; extensive introduction; key synonymy, descriptions; SF 60.00.

- BREMER, K. 1993. *New subtribes of the Lactuceae*. Novon 3: 328–330. — 3 subtribes; in Malesia Sonchinae.
- \*BREMER, K. 1994. *Asteraceae: cladistics and classification*. 752 pp, illus. Timber Press. ISBN 0-88192-275-7. US\$ 79.95 + handling & postage. — Reviewed in ASPT Newsl. 8/2 (1994) 19–21.
- BREMER, K. & C.J. HUMPHRIES. 1993. *Generic monograph of the Asteraceae—Anthemideae*. Bull. Nat. Hist. Mus. London, Bot. 23: 71–177, illus. — 12 tribes (9 new), 12 subtribes, 108 genera (4 new), 1741 species; cladistics; keys; descriptions; indices; very important milestone in synantherology.
- BRIEGER, F.G., R. MAATSCH & K. SENGHAS (Eds.). 1993. *Die Orchideen*. Bd. I/B, 27 Lief., Bogen 104–107: 1649–1712, illus. — Huntleyinae (*Chaubardiella* p.p.) to Zygodetalinae (*Galeottia*).
- BRIEGER, F.G., R. MAATSCH & K. SENGHAS (Eds.). 1993. *Die Orchideen*. Bd. I/B, Lief. 28, Bogen 108–111: 1713–1776, illus. — Zygodetalinae (*Batemania*) to Maxillariinae (*Maxillaria* p.p.).
- BRIEGER, F.G., R. MAATSCH & K. SENGHAS (Eds.). 1994. *Die Orchideen*. Bd. I/B, 29 Lief., Bogen 112–115, Taf. 11: 1777–1840, fig. 1699–1779. — Maxillariinae—Maxillaria (p.p.) to Lycastinae—Teuscheria p.p. (*Orchidaceae*).
- BRUMMITT, R. K. 1993. *Report of the Committee for Spermatophyta: 38*. Taxon 42: 687–697. — Conservation of *Brunfelsia*, *Cassia* with typ. cons., change of type of *Iresine*, *Mimosa pigra* with new type recommended; conservation of *Rhizophora caseolaris* not recommended; *Brachyscome* should remain *Brachyscome*.
- BRUMMITT, R. K. (ed.). 1993. *Report of the Committee for Spermatophyta: 39*. Taxon 42: 873–879. — On proposals for conservation, e.g. recommendations of spelling of *Hetaeria* (*Orchidaceae*), *Ravenala* (*Strelitziaceae*), conservation of *Marsdenia* over *Stephanotis* (*Asclepiadaceae*), *Parahebe* over *Derwentia* (*Scrophulariaceae*), deletion of *Salgada* (= *Cryptocarya*, *Lauraceae*) as nom. rej.
- BRUMMITT, R. K. 1994. *Report of the Committee for Spermatophyta: 40*. Taxon 43: 113–126. — *Abietaceae* conserved; conservation of *Avena fatua* with new type rejected; neotypification of *Baltimore* supported; *Baumea* not homonymous with *Baumia*; *Chloranthaceae* published by Lindley, not Blume or Sims; *Citta nigricans* rejected; *Cleistogenes* invalid, *Kengia* correct; spelling of *Euonymus* conserved; *Hosiea* and *Hosea* not homonyms; *Limoniaceae* conserved against *Staticaceae*; *Paullinia asiatica* to be neotyped; *Posidoniaceae* published by Hutchinson, not Lotsy; *Sapium* Jacq. conserved; *Tetracera volubilis* to be neotyped.
- BRUMMITT, R. K. 1994. *Report of the Committee for Spermatophyta: 41*. Taxon 43: 271–277. — Conservation of *Cryptocarya* (*Lauraceae*) over *Ravansara*; *Silene* (*Caryophyllaceae*) over *Lychnis* recommended; author of *Suaeda* (*Chenopodiaceae*) is J.F. Gmel.; conservation of *Commelina benghalensis* (*Commelinaceae*), *Verbesina* (*Compositae*) with a conserved type recommended; conservation of *Cassia fistula*, *C. obtusifolia*, *Chamaecrista nictitans* (*Leguminosae*) with a new type not recommended.

- BRUNSFELD, S.J. et al. 1994. *Phylogenetic relationships among the genera of Taxodiaceae and Cupressaceae: evidence from rbcL sequences.* Syst. Bot. 19: 253–262, illus. — Group monophyletic; *Cupressaceae* derived from *Taxodiaceae*; *Sciadopitys* to be excluded.
- BUIJSEN, J.R.M. 1993. *Alliaceae.* Fl. Males. I, 11: 375–384, illus. — 2 genera, 9 species, all cult.
- \*BURGHOUTS, T.B.A. 1993. *Spatial heterogeneity of nutrient cycling in Bornean rain forest.* vii, 156 pp, illus. Thesis, Free University Amsterdam. — Compilation of original and earlier publications.
- BURGHOUTS, T.B.A., G. ERNSTING, G.W. KORTHALS & T.H. DE VRIES. 1992. *Litterfall, leaf-litter decomposition and litter invertebrates in primary and selectively logged dipterocarp forest in Sabah, East Malaysia.* Phil. Trans. Roy. Soc. London, B 335: 407–416.
- BURKILL, H.M. 1993. *The Singapore Botanic Gardens: a reputation to cherish and preserve.* Proc. Bot. Gard. 130th Anniv. Seminar: 11–15. — Brief history of the Gardens.
- BURTON, C.M. 1993. *Hoya cagayanensis Schlechter ex C.M. Burton.* Hoyan 14/4, part 2: 23–25, illus. — Compared to *H. mindorensis* (Asclepiadaceae).
- BURTON, C.M. 1993. *Hoya loheri Kloppenburg.* Hoyan 14/4, part 2: 23, illus. — Identical with *H. rizaliana* (Asclepiadaceae).
- BURTON, C.M. 1993. *Hoya obscura Elmer ex C.M. Burton.* Hoyan 14/4, part 2: 23, illus. — Reduction of *H. brittonii* (Asclepiadaceae).
- BUZGÓ, M. 1994. *Inflorescence development in Pistia stratiotes (Araceae).* Bot. Jb. 115: 557–570, illus. — Position probably within Aroideae close to *Cryptocoryninae* or *Pinnelliinae*.
- CAMPBELL GASIS, D.J.F. 1993. *Four new species of Engelhardia (Juglandaceae) from Borneo.* Sandakania 3: 1–9, illus. — Keys, descriptions.
- CARLQUIST, S. 1993. *Wood and bark anatomy of Aristolochiaceae; systematic and habitat correlations.* IAWA J. 14: 341–357, illus. — Herbaceous origin.
- CARLQUIST, S., P.L. MORRELL & S.R. MANCHESTER. 1993. *Wood anatomy of Sabiceae (s.l.); ecological and systematic implications.* Aliso 13: 521–549, illus. — In Rutales; Meliosmaceae not supported.
- CARTER, S. 1994. *A preliminary classification of Euphorbia subgenus Euphorbia.* Ann. Missouri Bot. Gard. 81: 368–379, illus. — 2 sections, 8 subsections.
- CAVANAGH, A.K. 1994. *The biology, ecology and horticultural potential of Banksia L.f.: a bibliography of recent literature.* Vict. Nat. 111: 25–30. — 204 references, list of accepted taxa (Proteaceae).
- CHAKRABARTY, T. & N.P. BALAKRISHNAN. 1992. *A revision of the genus Baliospermum Bl. (Euphorbiaceae) for the Indian subcontinent.* Bull. Bot. Surv. India 32 ('1990'): 1–27, illus. — 2 sections (1 new); 2 species, 9 varieties (8 new); key; synonymy, descriptions.

- CHAKRABARTY, T. & M. GANGOPADHYAY. 1991. *Does Meliosma sumatrana (Sabiaceae) occur in India?* J. Econ. Tax. Bot. 15: 47. — No, record refers to *M. lanceolata*.
- CHAKRABARTY, T. & M. GANGOPADHYAY. 1992. *The Flacourtiaceae of Andaman-Nicobar Islands.* J. Econ. Tax. Bot. 16: 715–722. — 5 genera, 11 species.
- CHAKRABARTY, T. & M. GANGOPADHYAY. 1993. *A revision of Aporusa Bl. (Euphorbiaceae) for Indian subcontinent.* J. Econ. Tax. Bot. 17: 155–171, illus. — 13 species, 1 new variety for Burma; key, synonymy, descriptions.
- CHAMBERS, C. 1993. *The importance of botanic gardens in the community: current and future roles.* Proc. Bot. Gard. 130th Anniv. Seminar: 31–38.
- \*CHAN, C.L., A. LAMB, P.S. SHIM & J.J. WOODS. 1994. *Orchids of Borneo. I.* 402 pp, illus. ISBN unknown. Price c. £ 30.00 (incl. postage and packing, surface mail). — A selection of 100 species, principally of horticulturally important genera, e.g. *Arachnis*, *Dimorphorchis*, *Paphiopedilum*, *Paraphalaenopsis*, *Phalaenopsis*, *Vanda*, all accompanied by a line illustration and colour photograph.
- CHANTARANOTHAI, P. & J. PARSELL. 1993. *New taxa and combinations in Cleistocalyx and Syzygium (Myrtaceae) in Thailand.* Kew Bull. 48: 589–610, illus. — Also some Malesian *Syzygium*.
- CHANTARANOTHAI, P. & J. PARSELL. 1994. *A revision of Acmena, Cleistocalyx, Eugenia s.s. and Syzygium.* Thai For. Bull. 21: 1–123, illus. — *Acmena* (1 taxon), *Cleistocalyx* (5 taxa, 2 new, 3 new names, 1 new comb.), *Eugenia* (3 taxa), *Syzygium* (94 taxa, 12 new, 34 new comb., 2 new records for Malesia); morphology; keys; synonymy, typification, descriptions, no collectors list.
- CHASE, M.W. et al. 1993. *Phylogenetics of seed plants: an analysis of nucleotide sequences from the plastid gene rbcL.* Ann. Missouri Bot. Gard. 80: 528–580, illus. — Cladistics of 475–499 species representing all major groups.
- CHEEMA, P., M. SIDHU & S.S. BIR. 1993. *Cytology of some members of Cyperus L. section Mariscus (Gaertn.) Endl. from NW India.* Cyperaceae Newslett. 12: 5–7. — *Cyperus compactus*, *C. paniceus*, *C. squarrosum*.
- CHEN, S.-L. & Y.-X. JIN. 1993. *New taxa of Arthraxon Beauv. (Gramineae).* Bull. Bot. Res. Harbin 13: 101–109, illus. (In Chinese, Engl. summ.). — 4 new sections, 4 new species, 2 new varieties.
- CHEN, S.-L., Y.-X. JIN & Z.-J. WU. 1990. *Leaf epidermis research on Chinese Eulalia in relation to its taxonomical significance.* Bull. Nanjing Bot. Gard. 1990: 22–27, illus. (In Chinese, Engl. summ.). — *Eulalia* and relatives in Saccharinae; *Eulalia*, *Microstegium*, *Polytrias*, *Pseudopogonatherum* anatomically distinct; structure of leaf epidermis specifically diagnostic in *Eulalia*.
- CHEN, Y. 1992. *Alismataceae.* Fl. Reipubl. Pop. Sin. 8: 127–145, illus. — 4 genera, 18 species.
- CHEN, Y. 1992. *Sparganiaceae.* Fl. Reipubl. Pop. Sin. 8: 23–32, illus. — 1 genus, 11 species.
- CHEN, Y. 1992. *Typhaceae.* Fl. Reipubl. Pop. Sin. 8: 1–12, illus. — 1 genus, 11 species.

- CHEN, Y.-L., C. SHIH & L. LING. 1985. *Compositae (1)*. Fl. Reipubl. Pop. Sin. 74: 1–388, illus. — *Carduoideae, Vernonieae–Astereae*.
- CLARK, T.P. 1994. *The species of Walsura and Pseudoclausena genus novum (Meliaceae)*. Blumea 38: 247–302, illus. — *Walsura* 3 sections (1 new), 13 subsp. (3), 1 new comb.; *Pseudoclausena* 1 species, 2 forms; morphology, anatomy, fruit structure, dispersal, infra-generic taxonomy, distribution, speciation; keys; synonymy, descriptions, notes; indices to collectors, names.
- CLARKE, C. 1993. *The possible functions of the thorns of Nepenthes bicalcarata (Hook.f.) pitchers*. Carnivorous Pl. Newsl. 21: 27–28, illus. — Certainly not protection against mammal thieves, who reap the pitchers apart, but perhaps aid in catching insects that slip off them into the middle of the pitcher.
- CLARKE, C. & J.A. MORAN. 1994. *A further record of aerial pitchers produced by Nepenthes ampullaria Jack*. Nat. Mal. J. 47: 321–323, illus.
- CONN, B.J. & P.G. RICHARDS. 1994. *A new species of Oxalis section Corniculatae (Oxalidaceae) from Australasia*. Austr. Syst. Bot. 7: 171–181, illus. — Also in New Guinea.
- CONNOR, H.E., et al. 1993. *Australopyrum (Triticeae: Gramineae) in New Zealand*. N. Zeal. J. Bot. 31: 1–10, illus. — 3 new taxa; synonymy, key, notes.
- CONTI, E., A. FISCHBACH & K.J. SYTSMA. 1993. *Tribal relationships in Onagraceae: implications from rbcL sequence data*. Ann. Missouri Bot. Gard. 80: 672–685, illus. — More or less in agreement with previous analyses.
- CONTRERAS, V.R., R. SCOGIN, C.T. PHILBRICK & A. NOVELO R. 1993. *A phytochemical study of selected Podostemaceae: systematic implications*. Aliso 13: 513–520, illus. — Taxonomic affinities not resolved.
- COODE, M.J.E. & R. WEIBEL. 1994. *Elaeocarpus for Flora Malesiana – Notes, new taxa and combinations in sect. Elaeocarpus: I*. Kew Bull. 49: 235–259. — 12 new taxa, 9 reduced to subsp. or varieties; keys; synonymy, notes.
- CORLETT, R.T. 1992. *The Angiosperm Flora of Singapore. I. Introduction*. Gard. Bull., Singapore 44: 3–21, illus.
- \*CORNER, E.J.H. 1992. *Botanical monkeys*. xi, 55 pp. Pentland Press Ltd., 5 Hutton Close, South Church, Durham, U.K. ISBN 1-872795-72-2. £ 12.50. — Tale of the monkeys trained by Corner to collect specimens.
- COSNER, M.E., R.K. JANSEN & T.G. LAMMERS. 1994. *Phylogenetic relationships in the Campanulales based on rbcL sequences*. Pl. Syst. Evol. 190: 79–95, illus. — *Sphenoclea* excluded; *Pentaphragma* not in *Campanulaceae*; *Campanulaceae* and *Lobeliaceae* not sister groups; *Stylidiaceae* correctly included in the order.
- \*COWLEY, K.J. & C.F. PUTTOCK (Eds.). 1993. *Plant systematics research in Australasia*. Ed. 5: 76 pp. Council of Heads of Australian herbaria. ISBN 0-642-19888-8. Price unknown. — Indices on subject of research, addresses, specialists.

- COX, P.A. & C.J. HUMPHRIES. 1993. *Hydrophilous pollination and breeding system evolution in seagrasses: a phylogenetic approach to the evolutionary ecology of the Cymodoceae*. Bot. J. Linn. Soc. 113: 217–226, illus. — Family monophyletic, Posidoniaceae sister group.
- CRIBB, P.J. 1993. *Recent work at Kew on the orchid floras of Southeast Asia*. Proc. Bot. Gard. 130th Anniv. Seminar: 17–22.
- DARWIN, S.P. 1993. *A revision of Timonius subgenus Timonius (Rubiaceae: Guettardeae)*. Allertonia 7: 1–39, illus. — 8 species, 1 new, 2 new varieties, 3 new comb.; morphology, palynology, cladistics; keys; synonymy, descriptions, notes; specimens under taxa, a waste of space.
- DAUNCEY, E.A. & P.J. CRIBB. 1993. *Dendrobium (sect. Pedilonum) purpureum Roxb. (Orchidaceae) and its allies*. Kew Bull. 48: 545–576, illus. — Name applied to 6 different species; confusion disentangled: 1 new species, 1 subsp., key to taxa, synonymy, descriptions, notes.
- DAVIS, J.I. & R.J. SORENG. 1993. *Phylogenetic structure in the grass family (Poaceae) as inferred from chloroplast DNA restriction site variation*. Am. J. Bot. 80: 1444–1454, illus.
- DEB, D.B. & M. GANGOPADHYAY. 1991. *Taxonomic studies of the genus Lasianthus Jack (Rubiaceae) in India*. J. Econ. Tax. Bot. 15: 265–308, illus. — 23 species (3 Malesian), 4 varieties; introduction, morphology, classification; key; synonymy, descriptions, specimens under taxa.
- DEBNATH, H.S. & M.K.V. RAO. 1992. *A note on Rhizophora lamarckii Montr. in Andaman Islands*. J. Econ. Tax. Bot. 16: 228–229. — Although recorded, no vouchers.
- DEBNATH, H.S. & P.V. SREEKUMAR. 1992. *Additions to the Meliaceae of Andaman & Nicobar Islands*. J. Econ. Tax. Bot. 16: 219–220. — *Dysoxylum gobara*, *Trichilia connaroides*.
- DEBNATH, H.S. & P.V. SREEKUMAR. 1992. *A new species of Chisocheton (Meliaceae) from Great Nicobar*. J. Econ. Tax. Bot. 16: 553–555, illus.
- DICKISON, W.C. 1993. *Floral anatomy of the Styracaceae, including observations on intraovarian trichomes*. Bot. J. Linn. Soc. 112: 223–255, illus. — Many similarities to Ericales.
- DITSCH, F. & W. BARTHLOTT. 1994. *Mikromorphologie der Epicuticularwachse und die Systematik der Dilleniales, Lecythidales, Malvales und Theales*. Trop. & Subtrop. Pfl.-W. 88: 7–74, illus. (In German, Engl. summ.).
- DIXIT, S.K., B. DATT & G.P. ROY. 1991. *Persicaria and Polygonum (Polygonaceae) in Madhya Pradesh*. J. Econ. Tax. Bot. 15: 309–319. — 14 species (12 Malesian), 3 new comb.; key to genera & species; synonymy, descriptions.
- DOWNIE, S.R. & J.D. PALMER. 1994. *A chloroplast DNA phylogeny of the Caryophyllales based on structural and inverted repeat restriction site variation*. Syst. Bot. 19: 236–252, illus. — 2 major clades, one for Amaranthaceae, Chenopodiaceae, the other the rest; Phytolaccaceae, Portulacaceae polyphyletic; Phytolacca, Rivinia linked with Nyctaginaceae; Pereskia strongly linked to Portulaca; Caryophyllaceae, Molluginaceae not basal; several relationships poorly resolved.

- \*DRANSFIELD, J. 1992. *The rattans of Sarawak*. 233 pp, illus. Royal Botanic Gardens, Kew & Sarawak Forest Department, Kuching. ISBN 0-947643-41-9. Price unknown. — 106 species; illustrated glossary; keys; synonymy, description, distribution, use, notes; index to vernacular and scientific names.
- DRANSFIELD, J. 1993. *Maingaya malayana (Hamamelidaceae)*. Kew Mag. 10: 81–84, illus. — History, description.
- DRANSFIELD, J. & N. MANOKARAN (Eds.). 1993. *Rattans*. PROSEA 6: 1–137, illus. — Introduction, morphology, taxonomy, ecology, cultivation; alphabetical treatment of selected species (*Palmae*).
- \*DRESSLER, R. L. 1993. *Phylogeny and classification of the orchid family*. 314 pp, illus. Cambridge University Press / Dioscorides Press, ISBN 0-521-45058-6. £ 35.00. — New edition of The Orchids, an absolute must for any student of the family; one of the best written textbooks I have read in a long time; revised phylogeny, admittedly still far from complete, and what has been accepted may be wrong: special chapter on misfits, parallelisms, and miscellaneous problems; lucid explanation of cladistics; glossary; key to subtribes; checklist of genera; literature; index.
- DUVALL, M. R. et 10 al. 1993. *Phylogenetic hypotheses for the monocotyledons constructed from rbcL sequence data*. Ann. Missouri Bot. Gard. 80: 607–619, illus.
- DUVALL, M. R., P. M. PETERSON & A. H. CHRISTENSEN. 1994. *Alliances of Muhlenbergia (Poaceae) within New World Eragrostideae are identified by phylogenetic analysis of mapped restriction sites from plastid DNAs*. Am. J. Bot. 81: 622–629, illus. — *Muhlenbergiinae* monophyletic; *Sporobolus* possibly polyphyletic, which would not surprise me at all!
- DUYFJES, B. E. E. 1993. *Coriariaceae*. Fl. Males. I, 11: 385–391, illus. — 1 genus, 2 species.
- DUYFJES, B. E. E. 1993. *Pentastemonaceae*. Fl. Males. I, 11: 393–398, illus. — 1 genus, 2 species.
- DUYFJES, B. E. E. 1993. *Stemonaceae*. Fl. Males. I, 11: 399–409, illus. — 2 genera, 6 species.
- DUYFJES, B. E. E. 1994. *Illigera elegans (Hernandiaceae), a new species from Christmas Island, Indian Ocean*. Blumea 38: 407–408.
- EDWARDS, I. D., A. A. MACDONALD & J. PROCTOR (Eds.). 1993. *Natural History of Seram, Maluku, Indonesia*. x + 240 pp, illus. Intercept Ltd., Andover SP10 1YG, U.K. ISBN 0-946-707-82-0. Price unknown. — See Reviews.
- EHRENDORFER, F., J.-F. MANEN & A. NATALI. 1994. *cpDNA intergene sequences corroborate restriction site data for reconstructing Rubiaceae phylogeny*. Pl. Syst. Evol. 190: 245–248, illus. — *Hedyotideae* in *Rubioideae*, closer to *Rubieae* than to *Psychotrieae*.
- ENDRESS, P. K. 1994. *Shapes, sizes and evolutionary trends in stamens of Magnoliidae*. Bot. Jb. 115: 429–460, illus.
- ERIKSEN, B. 1993. *Floral anatomy and morphology in the Polygalaceae*. Pl. Syst. Evol. 186: 17–32, illus.

- ERIKSEN, B. 1993. *Phylogeny of the Polygalaceae and its taxonomic implications*. Pl. Syst. Evol. 186: 33–55, illus. — Cladistic analysis; *Polygala* paraphyletic; key to tribes (1 new), 2 new genera; 28 new comb.; *Polygala venenosa* very different.
- EVERETT, J. 1994. *New combinations in the genus Avicennia (Avicenniaceae)*. Telopea 5: 627–629. — 2 new subsp.
- FADEN, R. B. 1993. *Murdannia cryptantha (Commelinaceae), a new species with cleistogamous flowers from Australia and Papua New Guinea*. Novon 3: 133–136, illus.
- FANG, D.-Q., W.-C. ZHANG & S.-Y. XIAO. 1993. *Studies on taxonomy and evolution of Citrus and related genera by isozyme analysis*. Acta Phytotax. Sin. 31: 329–352, illus. (In Chinese, Engl. summ.).
- FANGAN, B. M. & I. NORDAL. 1993. *A comparative analysis of morphology, chloroplast-DNA and distribution within the genus Crinum (Amaryllidaceae)*. J. Biogeogr. 20: 55–61, illus. — Cladistics; parallelisms or reversals in flower morphology; differences between subgenera *Crinum* and *Codonocrinum* not supported.
- FARJON, A. 1993. *Names in current use in the Pinaceae (Gymnospermae) in the ranks of genus to variety*. Regn. Veg. 128: 107–146.
- FERGUSON, I. K. & M. M. HARLEY. 1993. *The significance of new and recent work on pollen morphology in the Palmae*. Kew Bull. 48: 205–243, illus.
- FESSEL, H. H. & E. LÜCKEL. 1994. *Eine neue Phalaenopsis aus der Sektion Amboinen-ses: Phalaenopsis floresensis*. Orchidee 45: 101–104, illus. (In German, Engl. summ.). — Previously published by Fowlie (1993).
- FORSTER, P. I. 1992. *Asclepiad profile 1. Ceropagia cumingiana Decne*. Asklepios 56: 19–23, illus. — Description, synonymy, notes.
- FORSTER, P. I. 1993. *Additional records for some species of Finlaysonia Wallich, Gymnanthera R. Br., Heterostemma Wight. & Arn. and Sarcolobus R. Br. (Asclepiadaceae) in Melanesia and Papuasia*. Austrobaileya 4: 129–130
- FORSTER, P. I. 1993. *Conspectus of Cryptolepis R. Br. (Asclepiadaceae: Periplocoideae) in Malesia*. Austrobaileya 4: 67–73, illus. — 7 species, 1 new; incl. *Phyllanthera* as new subgenus, 2 new comb.; keys; synonymy, descriptions, specimens under taxa.
- FORSTER, P. I. 1993. *Hybanthus stellaroides new combination (Violaceae), a widespread species from eastern Australia and Papua New Guinea*. Muelleria 8: 17–19. — Once in West Prov., Papua New Guinea.
- FORSTER, P. I. 1993. *Resurrection of Wrightia versicolor S. T. Blake (Apocynaceae)*. Austrobaileya 4: 109–112, illus. — Key to 4 Australian taxa.
- FORSTER, P. I. 1993. *Taxonomic relationships and status of the genus Dorystephania (Asclepiadaceae: Marsdenieae) from the Philippines and Borneo*. Austr. Syst. Bot. 6: 351–357, illus. — Reduced to *Sarcolobus*; 2 new comb.; regional keys.
- FORSTER, P. I. 1993. *A taxonomic revision of Neisosperma Raf. (Apocynaceae) in Australia, together with a key to Australian genera of Apocynaceae*. Austrobaileya 4: 13–20, illus. — 2 species, endemic; key also with naturalized genera.

- FORSTER, P. I. 1993. *A taxonomic revision of the genus Peperomia Ruiz. & Pav. (Piperaceae) in mainland Australia*. *Austrobaileya* 4: 93–104, illus. — 5 species, 3 Malesian.
- FORSTER, P. I. & D. J. LIDDLE. 1992. *Asclepiad profile. 2. Hoya imperialis Lindl.* Asklepios 56: 24–26, illus. — Description, synonymy, notes.
- FORSTER, P. I. & D. J. LIDDLE. 1993. *Asclepiad profile. 3: Hoya cumingiana Decne.* Asklepios 58: 17–19, illus. — Description, synonymy, notes.
- FORSTER, P. I. & D. J. LIDDLE. 1993. *Resurrection of Dischidia littoralis Schltr. (Asclepiadaceae)*. *Austrobaileya* 4: 113–116, illus. — Distinct from *D. bengalensis*; key to the 4 Australian species.
- FORSTER, P. I. & D. J. LIDDLE. 1993. *Taxonomic studies on the genus Hoya R. Br. (Asclepiadaceae) in Papuasia, 6*. *Austrobaileya* 4: 51–55, ill.; *Fraterna* 1993/4: 6–8. — 2 new species.
- FOSBERG, F. R. 1993. *The Forster Pacific islands collections from Captain Cook's Resolution voyage*. Allertonia 7: 41–86. — Precursor illustrating the difficulties in the interpretation of the Forster names; material distributed over at least 25 herbaria, nowhere one complete set; best one in BM; index.
- FOSBERG, R. F., M.-H. SACHET & R. L. OLIVER. 1993. *Flora of Micronesia. 5: Bignoniaceae–Rubiaceae*. Smithson. Contrib. Bot. 81: 1–135, map. — Acanthaceae, Bignoniaciae, Gesneriaceae, Lentibulariaceae, Myoporaceae, Pedaliaceae, Plantaginaceae, Rubiaceae; keys, synonymy, descriptions, specimens under taxa; synonyms and misapplied names of Acanthaceae, Bignoniaciae, Rubiaceae.
- FOWLIE, J. A. 1993. *A new species of Phalaenopsis from Flores Island, Indonesia: Phalaenopsis floresensis Fowl., sp. nov.* Orch. Digest 47: 35–36 (n.v.).
- FROEBE, H. A. & N. MAGIN. 1993. *Pattern analysis in the inflorescence of Dalechampia L. (Euphorbiaceae)*. Bot. Jb. 115: 27–44, illus.
- FU, K. (ed.). 1993. *Leguminosae (4)*. Fl. Reipubl. Pop. Sin. 42/1: 1–384, illus. — Trib. Galegeae, mainly *Astragalus* (278 species!).
- FUNK, V. A. 1993. *Uses and misuses of floras*. Taxon 42: 761–772, illus. — Cladistics, biodiversity derived from data in floras; suggestions for writing floras.
- GALLAND, N. 1992. *La classification des fruits ou du bon usage d'une classification artificielle*. Bull. Soc. Vaud. Sc. Nat. 81: 119–129, illus. (In French, Engl. summ.). — Fruits have little phylogenetic value due to convergences and parallelisms; survey of simple terminology.
- GAN, F. 1993. *A new record of Rafflesia in Peninsula?* Mal. Nat. 47: 8–9, illus. — *Rafflesia cf. kerrii*.
- GANGOPADHYAY, M. 1991. *Revision of the Indian Saprosma Bl. (Rubiaceae)*. J. Econ. Tax. Bot. 15: 65–95, illus. — 2 subgenera (1 new), 7 species (1 new, 1 Malesian), 2 subsp. (1 new), 2 varieties (1 new); extensive introduction, key; synonymy, descriptions, specimens under taxa, notes.
- GANGOPADHYAY, M. 1992. *Evolutionary trend in Indian Psychotria L. (Rubiaceae)*. J. Econ. Tax. Bot. 16: 199–207, illus.

- GANGOPADHYAY, M. & T. CHAKRABARTY. 1992. *The family Apocynaceae for Andaman and Nicobar Islands*. J. Econ. Tax. Bot. 16: 27–59, illus. — 23 genera, 36 species; 1 new in *Winchia*, 2 in *Micrechites*, 1 variety in *Chilocarpus*; keys; synonymy, description, distribution, habitat.
- GANGOPADHYAY, M. & T. CHAKRABARTY. 1992. *A new species of Kopsia (Apocynaceae) from Malaya*. J. Econ. Tax. Bot. 16: 59–60, illus.
- GANGOPADHYAY, M. & T. CHAKRABARTY. 1992. *A note on the status of Litosanthes (Rubiaceae)*. J. Econ. Tax. Bot. 16: 337–338. — Reduced to *Lasianthus* Jack: 5 new comb.
- GANGOPADHYAY, M. & T. CHAKRABARTY. 1992. *Notes on Terminalia L. (Combretaceae)*. J. Econ. Tax. Bot. 16: 601–603. — *Terminalia bialata* from Philippines; *T. elliptica*; *T. copelandii* reduced.
- GANGOPADHYAY, M. & T. CHAKRABARTY. 1992. *Two new species of Terminalia L. (Combretaceae) from Andaman Islands*. J. Econ. Tax. Bot. 16: 237–240, illus.
- GANGOPADHYAY, M. & T. CHAKRABARTY. 1993. *Additional notes on the status of Pubistylus Thoth. (Rubiaceae)*. J. Econ. Tax. Bot. 17: 439–440.
- GANGOPADHYAY, M. & T. CHAKRABARTY. 1993. *The genus Archidendron F. v. Muell. (Mimosaceae) in India*. J. Econ. Tax. Bot. 17: 683–691. — 5 species, 2 new comb.
- GANGOPADHYAY, M. & T. CHAKRABARTY. 1993. *Notes on Combretum Loefl. (Combretaceae)*. J. Econ. Tax. Bot. 17: 679–682. — 5 new comb., 1 new variety.
- GANGOPADHYAY, M. & T. CHAKRABARTY. 1993. *Notes on Combretum Loefl. (Combretaceae) – II*. J. Econ. Tax. Bot. 17: 697–698. — 2 new comb.
- GARBARY, D.J., K.S. RENZAGLIA & J.G. DUCKETT. 1993. *The phylogeny of land plants: a cladistic analysis based on male gametogenesis*. Pl. Syst. Evol. 188: 237–269, illus.
- GARCES, A.M. et 5 al. 1992. *Ageratum conyzoides L.* Weed Info Sheet 14: 1–2, illus. — Distribution, description, control (Compositae).
- GARILLETI, R. 1993. *Herbarium Cavanillesianum*. Fontquieria 38: 5–249, illus. (In Spanish, Engl. summ.) — List of specimens preserved in BM, MA associated with names proposed by Cavanilles; transcription of labels, literature references, notes; very useful for the nomenclature of many Malesian taxa, too bad it is not in English.
- GARNOCK-JONES, P.J. 1993. *Phylogeny in the Hebe complex (Scrophulariaceae: Veronicaceae)*. Austr. Syst. Bot. 6: 457–479, illus.
- GEERINCK, D.J.L. 1993. *Amaryllidaceae (including Hypoxidaceae)*. Fl. Males. I, 11: 353–373, illus. — 6 genera, (many more cultivated, included in the key) 11 species (cult. taxa listed, briefly diagnosed; the 3 naturalized ones might have been more fully treated, e.g. in the key).
- GEORGE, A.S. et 17 al. (Eds.). 1993. *Flora of Australia 50, Oceanic Islands 2*. xxvi , 606 pp., illus. Au\$ 44.95 (ppb), Au\$ 59.95 (hc). — Descriptions of geography, topography, geology, climate, population, vegetation, keys, checklists by island (groups); important for the species of Cocos Keeling and Christmas Isl. (Indian Ocean), which may be considered to have an essentially Malesian flora; as usually very well executed.

- GHOSH, B. 1993. *A contribution to the flora of Little Andaman Island*. J. Econ. Tax. Bot. 17: 601–614. — Checklist of 329 species.
- GILBERT, M.G. 1994. *The relationships of the Euphorbieae (Euphorbiaceae)*. Ann. Missouri Bot. Gard. 81: 283–288, illus.
- GILLESPIE, L.J. 1994. *Pollen morphology and phylogeny of the tribe Plukenetieae (Euphorbiaceae)*. Ann. Missouri Bot. Gard. 81: 317–348, illus.
- GOEL, A.K., M.K.V. RAO & B.N. MEHROTRA. 1992. *A new species of Aeschynanthus Jack (Gesneriaceae) from South Andamans*. Bull. Bot. Surv. India 31 ('1989'): 154–156, illus.
- GOLDBLATT, P. & J.C. MANNING. 1993. *Proposal to amend conserved Freesia by rejecting Anomatheca (Iridaceae)*. Taxon 42: 891–892.
- GOLTE, W. 1993. *Araucaria*. Erdwissenschaftliche Forschung 27: 167 pp, illus. — See Reviews.
- GONÇALVES, M.L. 1993. *A memria de Arthur Wallis Exell, OBE*. Garcia de Orta, Bot. 11: 1–3, illus.
- GRAHAM, S.A., J.V. CRISCI & P.C. HOCH. 1993. *Cladistic analysis of the Lythraceae sensu lato based on morphological characters*. Bot. J. Linn. Soc. 113: 1–33, illus. — Analysis not in accordance with present classification.
- GRAYUM, M.H. 1993. *Comparative external pollen ultrastructure of Araceae and putatively related taxa*. Mon. Syst. Bot. Missouri Bot. Gard. 43: iii, 167 pp, illus.
- GREEN, T. 1991. *Hoya pruinosa* Miq. Fraterna 1991/1: 6–7, illus. — *Hoya pruinosa* and *H. curtisii* identical (Asclepiadaceae).
- GREEN, T. 1993. *Hoya fraterna versus Hoya coriacea*. Fraterna 1993/1: 8–12, illus. — Synonymous (Asclepiadaceae).
- GRIESBACH, R.J. *Kingidium deliosum*. Amer. Orch. Soc. Bull. 63: 126–130, illus. — Nomenclatural history; recommended name: *K. philippinensis*.
- GROSS, C.L. 1993. *The reproductive biology of Canavalia rosea (Fabaceae) on Anak Krakatau, Indonesia*. Austr. J. Bot. 41: 591–599, illus.
- GRUNDON, N., M. SWANN & W.T. UPTON. 1993. *Australasian orchids illustrated. 11. Dendrobium insigne (Blume) H.G. Reichenb. ex Miq.* Orchadian 11: 81–83, illus.
- GRUNDON, N., M. SWANN & W.T. UPTON. 1993. *Phalaenopsis amabilis Blume var. papuana Schltr.* Orchadian 10: 459–461, illus. — General information (Orchidaceae).
- GRUß, O. 1993. *Mitglieder stellen Fragen, Experten antworten*. Orchidee 44: 154–156, illus. (In German). — List of *Vanilla* sections, subsections, species (Orchidaceae) as distinguished by Bouriquet (1954).
- GRUß, O. & L. RÖLLKE. 1993. *Bilder aus dem Reichenbach-Herbarium im Naturkundlichen Museum in Wien. Teil 1: Die Gattung Phalaenopsis*. Orchidee 44: 230–233, illus.
- GRUß, O. & L. RÖLLKE. 1993. *Bilder aus dem Reichenbach-Herbarium im Naturkundlichen Museum in Wien. Teil 2: Die Gattung Paphiopedilum*. Orchidee 44: 277–280, illus. (In German). — (Orchidaceae).

- GRUß, O. & L. RÖLLKE. 1993. *Gattung Kingidium* (Teil 2). *Orchidee* 44: 119–122, illus. (In German). — Key to sections, 1 new (*Orchidaceae*).
- GRUß, O. & L. RÖLLKE. 1993. *Kingidium delicosum* (Rchb.f.) Sweet (Teil 3). *Orchidee* 44: 183–189, illus. (In German). — History, description, literature; 1 new sect. comb. (*Orchidaceae*).
- GRUß, O. & L. RÖLLKE. 1993. *Kingidium delicosum* var. *bellum* (Teijsm. & Binn.) Gruß & Röllke, comb. nov. *Orchidee* 44: 225–228, illus. (In German).
- GRUß, O. & L. RÖLLKE. 1993. *Phalaenopsis venosa* P. S. Shim & Fowlie 1983. *Orchidee* 44, Orchideenkartei: 729–730, illus. (In German). — Description, cultivation, history, hybrids (*Orchidaceae*).
- GRUß, O. & L. RÖLLKE. 1993. *Die Synonyme von Kingidium delicosum – Phal. amethystina* Rchb.f. (Teil 6). *Orchidee* 44: 119–122, illus. (In German). — Original description copied, translated (*Orchidaceae*).
- GRUß, O. & L. RÖLLKE. 1993. *Die Synonyme von Kingidium delicosum – Phal. albo-violacea* Ridl. *Orchidee* 44: 228–229, illus. (In German).
- GRUß, O. & L. RÖLLKE. 1994. *Phalaenopsis schilleriana* Reichenbach f. 1860. *Orchideenkartei*, *Orchidee* 45: 765–766, illus. (In German). — Distribution, description, variability, cultivation, hybrids.
- GRUß, O. & L. RÖLLKE. 1994. *Die Synonyme von Kingidium delicosum – Kingidium decumbens* (Griff.) Hunt (Teil 7). *Orchidee* 45: 5–7, ill. (In German). — (*Orchidaceae*).
- GRUß, O. & L. RÖLLKE. 1994. *Die Synonyme von Kingidium delicosum – Kingiella hebe* (Rchb.f.) Rolfe (Teil 8). *Orchidee* 45: 65–67, illus. (In German). — (*Orchidaceae*).
- GUO, Y. & Q. LI. 1992. *Potamogetonaceae*. Fl. Reipubl. Pop. Sin. 8: 36–102, illus. — 8 genera, 43 species.
- \*HABERLE, S.G. 1993. *Late Quaternary environmental history of the Tari Basin, Papua New Guinea*. Thesis, ANU, Canberra. Photocopy in L. — Study of sediment cores made between 1600–2750 m alt.; human activities from c. 21500 y BP.
- HADI, A.H.A. 1993. *Phytochemistry of the Annonaceae in Malaysia*. Intern. Seminar & Workshop on the taxonomy and phytochemistry of the Annonaceae: 17–22, illus.
- HALFORD, D.A. 1993. *Notes on Tiliaceae in Australia*, 1. *Austrobaileya* 4: 75–85, illus. — Key to genera, *Berrya*.
- HAM, R.W.J.M. VAN DER. 1993. *Polymorphisme dans l'ornementation du pollen de Dimocarpus longan* (Sapindaceae): aspects morphologiques et géographiques. *Palynosc.* 2: 239–254, illus. (In French, Engl. summ.). — Biogeography.
- HAN, J.-G., et al. 1993. *A cluster analysis of seedling characters of the Gramineae*. *Acta Phytotax. Sin.* 31: 517–532, illus. (In Chinese, Engl. summ.). — Four clusters found, the arundinoids represented in all.
- HANAN, A. 1992. *Some notes on genjer (Limnocharis flava (L.) Buchenau)*. In: M.A. Nawir & N.S. Djafar, Konferensi XI HIGI, Ujung Pandang, Indonesia, 6–8 Augustus 1992: 29–34. Abstract in *Weedwatcher* 22, SEAWIC Annotated Bibliography 15/1993 (1993) 1a. — (*Butomaceae*).

- HANSEN, C. 1993. *The genus Phyllagathis (Melastomataceae): characteristics; delimitation; the species in Indo-China and China.* Adansonia 14: 355–428, illus. — 28 taxa treated, 1 new, 1 new comb., 1 new name; *Stapfiophyton* reduced to *Fordiophyton*, 1 new comb.
- \*HARDEN, G. J. 1993. *Flora of New South Wales 4.* xxii, 775 pp, illus. New South Wales University Press. ISBN 0-86840-188-9. Price unknown. — Last volume of this sumptuous series, second part of monocots.
- HARRIS, S. A. 1993. *DNA analysis of tropical plant species: an assessment of different drying methods.* Pl. Syst. Evol. 188: 57–64, illus. — DNA successfully extracted after several drying methods.
- HAY, A. 1994. *Alocasia simonsiana, a new species of Araceae from New Guinea.* Blumea 38: 331–333, illus.
- HAYDEN, W. J. 1994. *Systematic anatomy of Euphorbiaceae subfamily Oldfieldioideae. I. Overview.* Ann. Missouri Bot. Gard. 81: 180–202, illus. — Dilleniid origin of family.
- HEADS, M. 1994. *A biogeographical review of Parahebe (Scrophulariaceae).* Bot. J. Linn. Soc. 115: 65–89, illus. — Maps, notes on 41 species (12 Malesian), 1 new section, 17 new comb.
- HEMALATHA, A. & M. RADHAKRISHNAIAH. 1994. *Taxonomy of Phyllantheae: a chemical point of view.* Feddes Repert. 105: 19–21, illus. — (Euphorbiaceae).
- \*HEPPER, F. N. & I. FRIIS. 1993. *The plants of Pehr Forsskål's Flora Aegyptiaco-Arabica.* xii, 400 p., illus. Royal Botanic Gardens, Kew. ISBN 0-947643-62-1. Price unknown. — Although not directly a Malesian work, names published by Forsskål have been used in the area, and can be checked here for correct interpretation and typification.
- HERSHKOVITZ, M. A. 1993. *Revised circumscriptions and subgeneric taxonomies of Calandrinia and Montiopsis (Portulacaceae) with notes on phylogeny of the portulaceous alliance.* Ann. Missouri Bot. Gard. 80: 333–365, illus.
- HEUSDEN, E. C. H. VAN. 1994. *Revision of Meiogyne (Annonaceae).* Blumea 38: 487–511, illus. — Incl. *Ancana*, *Chieniodendron*, *Guamia*, *Oncodostigma*, *Polyaulax*; 9 species, 1 new, 1 new subsp.; 5 new comb.; key; synonymy, descriptions, notes; index to collectors.
- HILL, R. S. 1994. *Nothofagus smithtonensis (Nothofagaceae), a new macrofossil species from Oligocene sediments in northwest Tasmania, Australia, and its phylogenetic significance.* Rev. Palaeobot. & Palyn. 80: 115–121, illus. — Member of subgenus *Brassospora*, now only known from New Guinea.
- HILL, R. S. & G. J. JORDAN. 1993. *The evolutionary history of Nothofagus (Nothofagaceae).* Austr. Syst. Bot. 6: 111–126, illus. — Cladistic analysis; distinct family, 4 subgenera supported; nomenclature; choice of characters with discussion.
- \*HO, P.-H. 1993. *Cayco Vietnam, an illustrated flora of Vietnam.* Vol. 2, part 2: 580 p, illus. — Mainly in Vietnamese, short English diagnoses. (n.v.).
- \*HO, P.-H. 1993. *Cayco Vietnam, an illustrated flora of Vietnam.* Vol. 3, part 2: 603–1176, illus. — Mainly in Vietnamese, short English diagnoses.
- HODEL, D. 1993. *Pritchardia species.* Palm J. 112: 33–34. — Checklist (Palmae).

- HOOGLAND, R.D. & J.L. REVEAL. 1993. *Vascular plant family names in current use*. Regn. Veg. 126: 15–60.
- HOPKINS, H.C.F. 1994. *The Indo-Pacific species of Parkia (Leguminosae: Mimosoideae)*. Kew Bull. 49: 181–234, illus. — Revision of 12 species; introduction; key; synonymy, descriptions, notes, selected collections, no overall list; bibliography.
- HOPKINS, H.C.F. & M.J.G. HOPKINS. 1993. *Rediscovery of Mucuna macropoda (Leguminosae: Papilionoideae), and its pollination by bats in Papua New Guinea*. Kew Bull. 48: 297–305, illus.
- HORE, D.K., B.D. SHARMA & G. PANDEY. 1992. *Status of banana in North-east India*. J. Econ. Tax. Bot. 16: 447–455, illus. — Annotated check list; 1 new comb.
- HOTTA, M. 1993. *Homalomena monandra, a new species of aroid from West Sumatra*. Acta Phytotax. & Geobot. 44: 93–96, illus.
- HOU, D. 1994. *Studies in Malesian Caesalpinioideae (Leguminosae). I. The genera Acrocarpus, Afzelia, Coparia, and Intsia*. Blumea 38: 313–330, illus. — Notes on taxonomy, nomenclature, relationships, distribution, etc.; index to collectors; *Pseudosindora* reduced to *Coparia*.
- HOWCROFT, N.H.S. 1993. *Vanda helvola – a new record for Papua New Guinea*. Orchadian 11: 26–33, illus.
- HOWELL, G.J., A.T. SLATER & R.B. KNOX. 1993. *Secondary pollen presentation in Angiosperms and its biological significance*. Austr. J. Bot. 41: 417–438, illus.
- \*HUANG, T.-C. (ed.). 1993. *Flora of Taiwan, vol. 3, ed. 2*. xii, 1084 pp. illus. Dept. of Botany, National Taiwan University, Ta'an, Taipei, Taiwan 106, Republic of China. ISBN 957-9019-41-X. Price unknown. — *Hamamelidaceae to Umbelliferae* in the Engler-Diels system; 8 new comb or taxa (listed on p. 1063); a very useful work, as its predecessor, but at least in *Oxalidaceae* several errors were observed: 'acetocella' for 'acetosella' throughout, the revision in the Fl. Males. is in vol. 7, part 1, not vol. 71, pages 151–178, not 15–178; *Oxalis corymbosa* is *O. debilis* H.B.K. var. *corymbosa* (DC.) Lourteig; in *Geraniaceae* *Geranium suzukii* is said to have yellow flowers, they are pink, becoming yellowish in drying.
- HUQ, A.M. & M.M. RAHMAN. 1990. *Hydrocotylaceae*. Fl. Bangladesh 44: 1–7, illus. — 2 genera, 2 species.
- HUYNH, K.-L. 1992. *Flower structure in Freycinetia scandens Gaudich. (Pandanaceae)*. Beitr. Biol. Pfl. 67: 259–271, illus.
- IBRAHIM, F.H. & L. TIPOT. 1993. *Status of tree taxonomy in Southeast Asia with special reference to Malaysia*. Biotrop Sp. Publ. 51: 13–19, illus. — Progress, achievements, constraints, current activities.
- IKEDA, H. & H. OHBA. 1993. *A systematic revision of Potentilla lineata and allied species (Rosaceae) in the Himalaya and adjacent regions*. Bot. J. Linn. Soc. 112: 159–186, illus. — 1 variety in Sabah, not treated; morphology, chromosomes, key, synonymy, descriptions, hybrids; specimens under taxa.
- ISMAIL, A.A. 1993. *Passiflora foetida L.* Weed Info Sheet 18. — (*Passifloraceae*).

- JACOBS, S.W.L. 1994. *Further notes on Nymphaea (Nymphaeaceae) in Australasia.* Telopea 5: 703–706, illus. — *Nymphaea nouchali*, *N. pubescens*.
- JAMES, E.A. & R.B. KNOX. 1993. *Reproductive biology of the Australian species of the genus Pandorea (Bignoniaceae).* Austr. J. Bot. 41: 611–626, illus.
- JANSEN, R.K. 1985. *The systematics of Acmella (Asteraceae–Heliantheae).* Syst. Bot. Mon. 8: 1–115, illus. — Close to *Spilanthes*; in Malesia *S. calva*, *S. ciliata*, *S. grandiflora* (with 2 varieties), *S. oleracea*, *S. paniculata*) have become *Acmella*; *A. uliginosa* includes *Spilanthes iabadicensis*.
- JARVIS, C.E., F.R. BARRIE, D.M. ALLAN & J.L. REVEAL. 1993. *A list of Linnaean generic names and their types.* Regn. Veg. 127: 1–100. — 1313 generic names, 451 newly typified.
- JENKINS, R. 1993. *The origin of the fagaceous cupule.* Bot. Rev. 59: 81–111, illus. — Forman's evolution supported.
- JENNY, R. 1994. *Coelogyne mayeriana Rchb.f. 1877.* Orchideenkartei, Orchidee 45: 751–752, illus. (In German). — Description, culture, notes (*Orchidaceae*).
- JENNY, R. 1994. *Coelogyne pandurata Lindl. 1853.* Orchideenkartei, Orchidee 45: 747–748, illus. (In German). — Description, cultivation, notes (*Orchidaceae*).
- JENSEN, U., I. VOGEL-BAUER & M. NITSCHKE. 1994. *Leguminlike proteins and the systematics of the Euphorbiaceae.* Ann. Missouri Bot. Gard. 81: 160–179, illus. — Serological study suggests 2 subfamilies, not 5; separation of Dilleniidae and Rosidae questionable (see also Seigler, 1994).
- JESSUP, L.W. & W.J.J.O. DE WILDE. 1993. *Myristica lancifolia Poiret (Myristicaceae) new to Australia.* Blumea 38: 39–53, illus. — New subsp.; key to subsp.
- JIN, Y.X., L. SHOU & Z.J. WU. 1990. *Leaf epidermis observation on genus Arthraxon (Gramineae) from China and its taxonomical significance.* Guihaia 10: 115–120, illus. (In Chinese, Engl. summ.). — 5 types, hence 2 subgenera & 5 sections, these not formally described (see Chen & Jin, 1993); to distinct subtribe in *Andropogoneae*; *A. hispidus* sensu Van Welzen (1981) supported.
- JOHANSSON, J.T. 1994. *The genus Morinda (Morindeae, Rubioideae, Rubiaceae) in New Caledonia: taxonomy and phylogeny.* Opera Bot. 112: 5–67, illus. — 14 species, 2 new, 4 varieties, 1 new, 2 new comb.; Malesian species lectotypified; morphology; phylogeny; key; synonymy, descriptions, notes; collector's index.
- JOHANSSON, J.T. & R.K. JANSEN. 1993. *Chloroplast DNA variation and phylogeny of the Ranunculaceae.* Pl. Syst. Evol. 187: 29–49, illus.
- JUDD, W.S. & K.A. KRON. 1993. *Circumscription of Ericaceae (Ericales) as determined by preliminary cladistic analyses based on morphological, anatomical, and embryological features.* Brittonia 45: 99–114, illus. — Family paraphyletic, subfamilies unnatural?
- JUDD, W.S., R.W. SANDERS & M.J. DONOGHUE. 1994. *Angiosperm family pairs: preliminary phylogenetic analyses.* Harvard Pap. Bot. 5: 1–51, illus. — Analyses of selected taxa from several presumably closely related groups of Angiosperm families, i.e.

*Apocynaceae/Asclepiadaceae, Araliaceae/Umbelliferae, Capparaceae/Cruciferae, Caprifoliaceae/Dipsacaceae/Valerianaceae, Moraceae/Urticaceae, and Sapindaceae/Aceraceae/Hippocrastanaceae.* Groups paraphyletic with the related families nested within them. Studies in other groups suggest a similar pattern. Usually the paraphyletic group is best developed in the tropics and woody, while temperate taxa are derived and herbaceous which can be traced to related tropical taxa. Traditional family circumscriptions are result of a temperate (W European) bias. A series of drastic changes is proposed with the union of traditionally recognized families. I am not surprised, as in writing Thonner's keys to the families of flowering plants we were occasionally surprised by the lack of characters to distinguish such families traditionally upheld.

- JUDD, W.S., W.L. STERN & V.I. CHEADLE. 1994. *Phylogenetic position of Apostasia and Neuwiedia (Orchidaceae)*. Bot. J. Linn. Soc. 113: 87–94, illus. — Cladistic analysis; one clade; not ancestral to orchids, but sister group.
- JUMAAT, H.A. & C.C. WILCOCK. 1992. *Nepenthes mirabilis (Loureiro) Druce from Borneo*. Mal. Nat. J. 46: 75–84, illus. — 3 varieties, 1 new, 1 new comb.; synonymy, key, descriptions, collectors, distribution.
- JUMAAT, H.A. & C.C. WILCOCK. 1993. *A new variety of Nepenthes reinwardtiana Mi-quel from Kalimantan, Borneo*. Edinburgh J. Bot. 50: 99–104, illus.
- JUMAAT, H.A. & C.C. WILCOCK. 1993. *One new natural hybrid of Nepenthes from Mt. Mulu*. Sarawak Mus. J. 43: 291–293, illus.
- KAKADZU, K. 1994. *Vergleichende Untersuchung an Calanthe der Ryukyu-Inseln (Teil 1)*. Orchidee 45: 49–56, illus. (In German). — Infra-generic taxonomy; 5 subgenera, 3 new, 4 new sections (*Orchidaceae*).
- KALKMAN, C. 1993. *Rosaceae*. Fl. Males. I, 11: 227–351, illus. — 19 genera, 127 species.
- KAPIL, R.N. & A.K. BHATNAGAR. 1994. *The contribution of embryology to the systematics of the Euphorbiaceae*. Ann. Missouri Bot. Gard. 81: 145–159. — Euphorbiales better reduced to one family.
- KARIS, P.O. 1993. *Heliantheae sensu lato (Asteraceae), clades and classification*. Pl. Syst. Evol. 188: 139–195, illus. — Compared to *Eupatorieae*; *Helenieae* paraphyletic; *Ecliptinae* polyphyletic; *Coreopsidinae*, *Madieae*, *Tageteae* distinct within assemblage.
- KARIS, P.O. 1993. *Morphological phylogenetics of the Asteraceae-Asteroideae, with notes on character evolution*. Pl. Syst. Evol. 186: 69–93, illus. — Cladistic analysis; *Inuleae*, *Heliantheae* poly- or paraphyletic.
- KASSELMANN, C. 1994. *Das Pflanzenporträt: Cyperus helferi Boeckeler*. Aqua-Planta 94/1: 29–30, illus. (In German). — Description, culture.
- KATO, M. 1993. *Floral biology of Nepenthes gracilis (Nepenthaceae) in Sumatra*. Am. J. Bot. 80: 924–927, illus.
- KATO, M., T. ITINO & T. NAGAMITSU. 1993. *Melittophily and ornithophily of long-tubed flowers in Zingiberaceae and Gesneriaceae in West Sumatra*. Tropics 2: 129–142, illus.

- KELLER, R. 1994. *Clef de terrain pour l'identification des familles des dicotylédons ligneuses tropicales (à l'aide des seuls caractères végétatifs)*. Nat. Monspel., num. hors série: 1–121, illus. (In French). ISSN 0-373-518-X. NF 110 (in France) NF 130 (in Europe), NF 150 (elsewhere). — Keys for identification of tropical woody plants on vegetative characters; for preparation the author stayed for a while among other places at BO, FRIM, and visited Ceram, so its usefulness in Malesia has been tested. It is to be hoped that an English version will be made, as at present it is inaccessible to most users. (See also FMB 11/2: 146).
- KELLOGG, E.A. & L. WATSON. 1993. *Phylogenetic studies of a large data set. I. Bambusoideae, Andropogonodae, and Pooideae (Gramineae)*. Bot. Rev. 59: 273–343, illus. — Based on the DELTA data for 760 genera.
- KEßLER, P.J.A. 1993. *Asian Annonaceae, a taxonomic and floristic challenge*. Intern. Seminar & Workshop on the taxonomy and phytochemistry of the Annonaceae: 1–5.
- KEßLER, P.J.A. & E.C.H. VAN HEUSDEN. 1993. *The Annonaceae of the Balikpapan-Samarinda area, East Kalimantan, Indonesia*. Rheedia 3: 50–89, illus. — Keys to genera, species; 1 new *Monocarpia*.
- KEßLER, P.J.A. & K. SIDYASA. 1993. *Some undescribed flower characters in Shorea laevis Ridley (Dipterocarpaceae) and annotations on Shorea section Shorea subsection Barbata Sym. ex Ashton*. Wanatrop 6/2: 46–47, illus. — Indication of anemophily.
- KEßLER, P.J.A. & K. SIDYASA. 1994. *Trees of the Balikpapan-Samarinda area, East Kalimantan, Indonesia. A manual to 280 selected species*. Tropenbos 7: 1–448, illus. Universal Book Services, POB 321, NL-2300 AH, Leiden, The Netherlands. ISBN 90-5113-019-8. Hfl. 95.00, excl. postage (surface) and handling. — First guide to the primary lowland forest trees aimed at foresters, students, botanists, ecologists; introductory chapters, glossary, synoptical and bracketed keys; descriptions, habitat, ecology, distribution, common and trade names; n.v.
- KHAN, M.S. & H. ARA. 1991. *Xyridaceae*. Fl. Bangladesh 46: 1–6, illus. — 2 species.
- KIEW, R. 1992. *Characteristics of Malaysian bee flowers*. In: L.J. Connor et al. (Eds.). Asian apiculture: 361–368 (n.v.).
- KIEW, R. 1992. *Five new species of Didymocarpus (Gesneriaceae) from Peninsular Malaysia*. Gard. Bull., Singapore 44: 23–42, illus. — Sections *Boeopsis*, *Salicini* defined; keys.
- KIEW, R. 1992. *Fraser's Hill – resort to nature*. In: R.P. Lim & S.W. Lee (Eds.), Hill development in Malaysia: 33–39.
- KIEW, R. 1992. *The role of taxonomy in the exploitation and conservation of natural resources*. In: J. Cruz et al. (Eds.), Proc. 7th Asian Symposium on medical plants, spices and other natural products, Manila: 174–183.
- KIEW, R. 1993. *Olea palawanensis (Oleaceae), a new species from the Philippines*. Blumea 38: 127–128.
- KIEW, R. 1993. *The Simaroubaceae of the Malesian region*. Intern. Seminar & Workshop on the taxonomy and phytochemistry of the Simaroubaceae: 33–40. — Distribution, ecology; position of *Allantospermum*, *Irvingia*; uses; biology.

- KIEW, R. 1994. *Name changes for Malaysian plants: Begonia wrayi (Begoniaceae) and Jasminum aemulum (Oleaceae)*. Mal. Nat. J. 47: 311–317. — For *Begonia isoptera* or *B. pseudoisoptera*; for *Jasminum bifarium*, full synonymy and bibliography.
- KILLMAN, W. 1993. *A new palm species in South East Asia*. Mal. Nat. 46/4: 13–15, illus. — *Cocos lucifera*, 2 varieties; invalid, no Latin, because of hostile locals no type specimens, alternative names *Lucifera unicolor*, *L. versicolor*; new subtribe *Luminoideae*, invalid; a remarkable light-emitting palm (*Palmae*).
- KIM, M. & M. S. ZAVADA. 1993. *Pollen morphology of Broussonetia (Moraceae)*. Grana 32: 327–329, illus. — *Allaeanthus* and *Broussonetia* are virtually identical.
- KIM, S.-C., S. A. GRAHAM & A. GRAHAM. 1994. *Palynology and pollen dimorphism in the genus Lagerstroemia (Lythraceae)*. Grana 33: 1–20, illus. — 39 out of 56 species studied; different pollen type usually associated with different stamen whorl; three-section classification more or less supported.
- \* KIRKBRIDE JR., J. H. 1993. *Biosystematic monograph of the genus Cucumis (Cucurbitaceae)*. x, 159 pp, illus., 1 1.2 M MS-DOS 5 1/4" diskette with DELTA format data. Parkway Publishers. ISBN 00-9635752-0-1. US\$ 47.50 in the U.S.A, 55.00 outside. — Extensive revision of 2 subgenera, 2 sections (1 new), 6 series (5), 32 species (4, 2 new comb., 1 new name), 6 subsp., 2 varieties; keys; synonymy, descriptions, notes; specimen list; index.
- KLOPPENBURG, D. 1990. *New Hoya species from the Philippine islands*. Fraterna 1990/3: i–iv, illus. — (Asclepiadaceae).
- KLOPPENBURG, D. 1991. *Four new Hoya species from the Philippine islands*. Fraterna 1991/3: i–iv, illus. — Corrections in Fraterna 1991/4! (Asclepiadaceae).
- \* KLOPPENBURG, D. 1991. *Hoyas of Northeastern New Guinea*. 100+ pp, illus. Orca Publishing Co., POB 1003, Medford OR 97501-0071, U.S.A. No ISBN. US\$ 14.95 + US\$ 5.55 (sea), or + US\$ 11.50 (air). — Translation of 49 *Hoya* species described by Schlechter, copies of sheets, itinerary 1901–1910.
- KLOPPENBURG, D. 1992. *Rediscovery of H. loheri Kloppenburg: the bronze flowered Hoya*. Fraterna 1992/3: 14, illus. — (Asclepiadaceae).
- KLOPPENBURG, D. 1992. *Hoya brittonii Kloppenburg sp. nova*. Fraterna 1992/4: i, illus. — Invalid (Asclepiadaceae).
- KLOPPENBURG, D. 1992. *Hoya gigantangensis Kloppenburg sp. nova*. Fraterna 1992/4: ii, illus. — Invalid (Asclepiadaceae).
- KLOPPENBURG, D. 1992. *Hoya quisumbingii Kloppenburg sp. nova*. Fraterna 1992/4: iii, illus. — Invalid (Asclepiadaceae).
- KLOPPENBURG, D. 1993. *The Hoya coriacea Bl., H. fraterna Bl. story*. Fraterna 1993/2: 11–13.
- KLOPPENBURG, D. 1993. *Hoya wayetii Kloppenburg sp. nov.* Fraterna 1993/3: 9–10, illus. — (Asclepiadaceae).
- KLOPPENBURG, D. 1993. *My discovery of Hoya heuschkeliana Kloppenburg*. Fraterna 1993/3: 10–11, illus. — (Asclepiadaceae).

- \* KLOPPENBURG, D. 1993. *Philippine Hoya species*. 6427 N. Fruit Ave, Fresno CA-93711, USA. 136 pp, illus. US\$ 14.95 + 3.00. — (*Asclepiadaceae*).
  - \* KLOPPENBURG, D. 1993. *Philippine Hoya species*. Second revised edition. 136 pp, illus. US\$ 16.95 + 3.00. 6427 N. Fruit Ave, Fresno CA - 93711-1401, U.S.A. — 37 species (1 new, invalid), introduction, morphology; key; extensive descriptions (*Asclepiadaceae*).
  - \* KLOPPENBURG, D. 1993. *Dr. Schlechter's Hoya species*. iii, 165 pp, illus. US\$ 16.95 + shipping costs. 6427 N. Fruit Ave, Fresno CA 93711, U.S.A.
  - \* KLOPPENBURG, D. 1993. *Hoya sections, ed. 2*. 51 pp, illus. US\$ 8.95 + shipping costs. 6427 N. Fruit Ave., Fresno CA 93711, U.S.A. — Not intended as an effective publication (*Asclepiadaceae*).
  - \* KLOPPENBURG, D. 1993. *Hoya section Sperlingia (Vahl) Miquel*. 131 pp, illus. US\$ 14.95 + shipping costs. — 2 new subsections; key; copies of original descriptions and translations, discussions. Not intended as an effective publication (*Asclepiadaceae*).
  - \* KLOPPENBURG, D. & A. WAYMAN. 1993. *The Hoya handbook*. 151 pp, illus. Orca Publishing Co., POB 1003, Medford OR 97501-0071, U.S.A. No ISBN. US\$ 42.95 + postage. — A grower's manual (n.v.) (*Asclepiadaceae*).
- KOBAYASHI, M. 1993. *Family Bambusaceae or Poaceae subfam. Bambusoideae; to which rank bamboo group should be treated?* J. Phytogeogr. & Taxon. 41: 31–43, illus. (In Japanese, Engl. summ.). — As subfamily, excl. *Oryzeae* and *Zizanieae* on ecological and root-anatomical grounds.
- KOCHUMMEN, K. M. 1993. *Ecological diversity of the Annonaceae in Malaysia*. Intern. Seminar & Workshop on the taxonomy and phytochemistry of the Annonaceae: 6–8.
- KOLAKOVSKI, A. A. 1994. *The conspectus of the system of the Old World Campanulaceae*. Bot. Dzj. 79: 109–124, illus. (In Russian). — 4 new tribes, 1 new generic name.
- KOSTERMANS, A. J. G. H. 1993. *Mutisioperseae Kostermans, a new genus in Lauraceae*. Rheedia 3: 132–135. — For American *Persea* species: 32 new comb.
- KOSTERMANS, A. J. G. H. 1993. *Notes on Triadodaphne Kosterm. (Lauraceae)*. Rheedia 3: 129–131. — 3 species, 1 new; key.
- \* KOSTERMANS, A. J. G. H. & J. M. BOMPARD. 1993. *The Mangoes*. Academic Press, London. ISBN 0-12-421920-9. Price unknown. — Overview of *Mangifera* (*Anacardiaceae*), description, distribution, occurrence, phenology, nomenclature; 69 species, 25 new (*M. bompardii*, *M. paludosa* invalid), 12 doubtful, 2 subgenera, 3 sections (1 new) (no key), key to species; synonymy, descriptions, notes specimens under species and at the end; bibliography; indices.
- KRAUS, T. A. 1992. *Untersuchungen zur Infloreszenz-Morphologie der Leguminosae-Mimosoideae*. Trop. & Subtrop. Pfl.-Welt 82: 1–64, illus. (In German, Spanish summ.).
- KRON, K. A. & M. W. CHASE. 1993. *Systematics of the Ericaceae, Empetraceae, Epacridaceae and related taxa based on rbcL sequence data*. Ann. Missouri Bot. Gard. 80: 735–741, illus. — One monophyletic unit.

- \*KUBITZKI, K. 1993. *The families and genera of vascular plants. 2. Flowering plants – Dicotyledons. Magnoliid, Hamamelid, and Caryophyllid families.* x, 653 pp, illus. Springer Verlag, Berlin, etc. ISBN 3-540-55509-9, 0-387-55509-9. Price unknown. — Introductions; alphabetic treatment of 73 families; descriptions; keys to genera; diagnoses; index; magnificent!
- KULSHRESHTHA, K. & K.J. AHMED. 1993. *SEM studies of foliar epicuticular wax morphology in some taxa of Euphorbiaceae.* Feddes Repert. 104: 361–370, illus. — Wax morphology and taxonomy not correlated above genus.
- KUMAR, C.S. 1993. *On the status of Proteroceras Joseph and Vajravelu (Orchidaceae).* Rheedea 3: 172–174. — = *Pteroceras leopardinum*.
- KUMARI, R. & K. THOTHATHRI. 1992. *A new species of Planchonella (Sapotaceae) from the Andaman Islands.* Bull. Bot. Surv. India 31 ('1989'): 151, illus.
- KURIACHEN, P.M., Y. DAVE, V. THOMAS & M. SEBASTIAN. 1991. *SEM studies on seed surface of some Asclepiadaceae with taxonomic significance.* Geophytology 21: 109–112, illus. — A few taxa studied.
- LAFERRIERE, J.E. 1993. *Lectotypification of Aeginetia saccharicola (Orobanchaceae).* Phytologia 75: 399.
- LAHAV-GINOTT, S. & Q.C.B. CRONK. 1993. *The mating system of Elatostema (Urticaceae) in relation to morphology: a comparative study.* Pl. Syst. Evol. 186: 135–145, illus. — Correlated with other characters.
- LAKSHMINARASIMHAN, P., S.K. SRIVASTAVA & S.P. MATHEW. 1993. *Additions to the flora of Andaman and Nicobar Islands.* Rheedea 3: 120–123. — *Ardisia involucrata*, *Hippocratea pauciflora*, *Jasminum arborescens*, *Ligustrum perrottetii*, *Thunbergia fragrans*.
- LAL, S. & L.L. NARAYANA. 1994. *Floral anatomy and systematic position of Flindersia R. Br.* Feddes Repert. 105: 31–36, illus. — *Flindersiaceae* (*Flindersia* and *Chloroxylon*) tentatively accepted as independent family linking *Meliaceae* and *Rutaceae*.
- LANDOLT, E. 1993. *Species names in current use in the Lemnaceae (Monocotyledones).* Regn. Veg. 128: 147–150.
- LARSEN, K. 1993. *A new species of Orchidantha (Lowiaceae) from Borneo.* Nord. J. Bot. 13: 285–288, illus.
- LARSEN, K. 1993. *Note on the nomenclature of Cassieae (Leguminosae–Caesalpinoideae) in Malaysia.* Nord. J. Bot. 13: 403–404. — 8 new combinations in *Chamaecrista*, *Cassia*, *Senna*.
- LARSEN, K. & S.S. LARSEN. 1993. *New taxa and nomenclatural combinations in Malesian Bauhinia (Leguminosae–Caesalpinoideae).* Nord. J. Bot. 13: 657–665. — 14 new taxa, 21 comb. or stat. nov; keys to some varieties.
- LEE, Y.F., A.Y.C. CHUNG, M.D. SWAINE & K. JONG. 1993. *Insect visitors to flowers of an indigenous Bornean rattan, Calamus subinermis.* Trop. Biol. Newsl. 65: 2–3, illus. — E.g. microlepidoptera (*Palmae*).

- \*LEROUY, J.-F. 1993. *Origine et évolution des plantes à fleurs: les Nymphéas et le génie de la nature.* xix, 524 pp, illus. Masson, 120 Bd. Saint-Germain, F-75280 Paris Cedex 06, France. ISBN 2-225-83946-8. NF 640.00 (In French, Engl. summ.). — Historical survey; theories of origin and development of Angiosperms; 'organismic transmutation' led from *Houttuynia*-like inflorescence of naked flowers to *Nymphaea*-type flower (see *Taxon* 43, 1994, 161).
- LES, D.H., D.K. GARVIN & C.F. WIMPEE. 1993. *Phylogenetic studies in the monocot subclass Alismatidae: evidence for a reappraisal of the aquatic order Najadales.* Molec. Phylogenetics & Evol. 2: 304–314, illus. — *Najadaceae* closest to *Hydrocharitaceae*; *Zosteraceae* to *Potamogetonaceae*; *Ruppiaceae* to *Cymodoceaceae*.
- LEVIN, G.A. & M.G. SIMPSON. 1994. *Phylogenetic implications of pollen ultrastructure in the Oldfieldioideae (Euphorbiaceae).* Ann. Missouri Bot. Gard. 81: 203–238, illus. — 2 major clades; biogeography; revised classification of subfamily.
- LEVIN, G.A. & M.G. SIMPSON. 1994. *Phylogenetic relationships of Dydimocistus and Hymenocardia (Euphorbiaceae).* Ann. Missouri Bot. Gard. 81: 239–244, illus. — *Hymenocardia* in *Phyllanthoideae*, not a distinct family.
- LI, P. 1993. *Comments on the taxonomic relationship between Desmos and Dasymaschalon (Annonaceae) with notes on the taxonomical treatment of Dasymaschalon.* J. South China Agric. Univ. 14/3: 154–156 (In Chinese.). — Reduction of *Dasymaschalon*; 4 new comb.
- LI, P. 1993. *Novelties in Annonaceae from Asia.* Guihaia 13: 311–315 (In Chinese, Engl. summ.). — 2 new names, 3 new comb. and other nomenclatural notes.
- LI, P. 1993. *Novelties in Apocynales.* J. S. China Agric. Univ. 14/1: 52–59 (In Chinese, Engl. summ.). — 15 nom. nov., 1 new comb.
- LIDDLE, D.J. 1990. *The large white Hoya species of Papua/New Guinea.* Fraterna 1990/4: 4–10, illus. — (Asclepiadaceae).
- LIDDLE, D.J. 1991. *Hoya gracilis Schlechter.* Hoyan 13/2: 3. — Combination *Hoya gracilis* subsp. *philippinensis* used; if intended as new, invalid.
- LIDDLE, D.J. 1993. *Hoya megalaster.* Hoyan 15/2: 3, illus. — Apparently not the species cultivated under that name, which then seems unnamed (Asclepiadaceae).
- LIEDE, S. 1993. *Towards an understanding of the Sarcostemma viminale (Asclepiadaceae) complex.* Bot. J. Linn. Soc. 112: 1–15, illus. — All names listed, evaluated, chromosome numbers, typification *Sarcostemma viminale*.
- LIEDE, S. & F. ALBERS. 1994. *Tribal disposition of genera in the Asclepiadaceae.* Taxon 43: 201–231. — Incl. Periplocaceae.
- LIEDE, S. & H. KUNZE. 1993. *A descriptive system for corona analysis in Asclepiadaceae and Periplocaceae.* Pl. Syst. Evol. 185: 275–284, illus.
- LING, Y.-R. *On the primary study of the systematics and floristics of Compositae.* Bull. Bot. Res., Harbin 13: 151–201, illus. (In Chinese, Engl. summ).

- LOBREAU-CALLEN, D. & M. SUAREZ-CERVERA. 1993. *Morphologie et ultrastructure du pollen de Bischofia et autres Phyllanthoideae (Euphorbiaceae)*. Palynosc. 2: 223–237, illus. (In French, Engl. summ.). — According to pollen *Bischofia* is isolated member of *Phyllanthoideae*, not a *Staphyleaceae*.
- LOBREAU-CALLEN, D. & M. SUAREZ CERVERA. 1994. *Pollen ultrastructure of Hymenocardia Wallich ex Lindley and comparison with other Euphorbiaceae*. Rev. Palaeobot. & Palyn. 81: 257–278, illus. — Belongs to *Euphorbiaceae*, more or less close to *Oldfieldioideae*.
- \*LOCK, J.M. & J. HEALD. 1994. *Legumes of Indo-China. A check-list*. 164 pp. Royal Botanic Gardens, Kew. ISBN 0-947643-66-4. Price unknown. — Contribution to the International Legume Database (ILDIS) covering Cambodia, Laos, Thailand, Viêtnam; 994 taxa covered; selected synonyms, most basionyms, some characteristics, economics, habitat & phytogeography, geography, literature references, some accepted vernacular names, notes; bibliography; index.
- LU, Q.-M., J.-Q. LI & Z.-D. CHEN. 1993. *The origin and dispersal of the 'lower' Hamamelidae*. Acta Phytotax. Sin. 31: 489–504, illus. (In Chinese, long Engl. summ.)
- LUCKOW, M. 1993. *Monograph of Desmanthus (Leguminosae-Mimosoideae)*. Syst. Bot. Monogr. 38: 1–166, illus. — Mainly American, *Desmanthus pernambucanus* in SE Asia.
- LUEGMAYR, E. 1993. *Pollen characters of Old World Gesneriaceae (Cyrtandroideae)*. Grana 32: 221–232, illus. — 18 genera, 108 species studied: 10 exine types; *Gesnerioidae* compared.
- LUEGMAYR, E. 1993. *Pollen of Hawaiian Cyrtandra (Gesneriaceae) including notes on southeast Asian taxa*. Blumea 38: 25–38, illus.
- \*MAAS, P.J.M. & L. Y.T. WESTRA. 1993. *Neotropical plant families*. Koeltz Scientific Books. vii, 290 pp, illus. ISBN 3-87429-342-4 (Germany), 1-878762-38-9 (U.S.A.). Price unknown. — Brief descriptions of vascular plant families with distribution (neotropics only), methods of dispersal, sundry notes, literature; nearly all with an illustration; very useful in conjunction with Thonner's Analytical keys.
- MABBERLEY, D.J. 1992. *Architecture of Verbenaceae of Madang Province, Papua New Guinea, with preliminary notes on their reproductive biology*. Sc. N.G. 19: 37–45, illus. — Faradaya only 1 species, Geunsia section of *Callicarpa*; pollen/ovule ratio of *Clerodendrum inerme* not low; *Premna serratifolia* dioecious; key to Madang species.
- \*MABBERLEY, D.J. 1992. *Tropical rain forest ecology*. Ed. 2. xi, 300 p, illus. Blackie Academic & Professional, London, etc. ISBN 0-7514-0160-9. Price unknown. — Excellent introduction aimed at under- and post-graduate ecologists, botanists, forest economists, geographers, and others who have an interest in the subject; the author is well-known for his grasp of the subject; curiously M. JACOBS' 'The tropical rain forest' (1988) is not cited.
- MABBERLEY, D.J. 1994. *New species of Dysoxylum (Meliaceae)*. Blumea 38: 302–312, illus. — 6 new species, 2 subsp., 2 new comb.
- MACKEY, B.G. 1993. *A spatial analysis of the environmental relations of rainforest structural types*. J. Biogeogr. 20: 303–336, illus. — Despite boring title interesting explanation of use of 'Monomax algorithms'.

- MADANI, L. 1993. *Five new Anisophyllea species (Rhizophoraceae) from Borneo, and the reinstatement of A. rhomboidea Jack.* Sandakania 3: 45–59, illus. — Key to Bornean species.
- MADHAVAN, S. & R. KIEW. 1993. *Bibliography of the Simaroubaceae 1973–present.* Intern. Seminar & Workshop on the taxonomy and phytochemistry of the Simaroubaceae: 44–66.
- MADULID, D. A. 1991. *The endemic genera of flowering plants in the Philippines.* Acta Manilana 38: 41–56.
- MADULID, D. A. 1992. *The medicinal plants in Philippine rainforest: an untapped resource.* Acta Manilana 40: 45–58.
- MADULID, D. A. 1992. *Mt. Pinatubo: a case of mass extinction of plant species in the Philippines.* Silliman J. 36: 113–121 (n.v.).
- MADULID, D. A. 1992. *Status report on rare and endangered Philippine plants. III. Vanda sanderiana Reichb.f.* Nat. Mus. Pap. 3: 39–53 (n.v.). — (Orchidaceae).
- \*MADULID, D. A. & M. G. AGOO. 1992. *A bibliography on biodiversity research in the Philippines. Part I – Flora.* ix, 189 pp. National Museum, Manila. ISBN 971-567-000-8. Price unknown.
- MANCHESTER, S. R. & W. J. KRESS. 1993. *Fossil bananas (Musaceae): Ensete oregonense sp. nov. from the Eocene of western North America and its phytogeographic significance.* Amer. J. Bot. 80: 1264–1272, illus. — Survey of seed morphology in Zingiberales.
- MANEN, J.-F., A. NATALI & F. EHRENDORFER. 1994. *Phylogeny of Rubiaceae–Rubieae inferred from the sequence of a cpDNA intergene region.* Pl. Syst. Evol. 190: 195–211, illus. — Rubieae monophyletic, Galium paraphyletic.
- MANGALY, J. K. & M. SABU. 1993. *A taxonomic revision of the South Indian species of Curcuma Linn. (Zingiberaceae).* Rheedia 3: 139–171, illus. — 2 subgenera, 17 species (1 new); key; synonymy, description, notes.
- MANOKARAN, N. 1992. *An overview of biodiversity in Malaysia.* J. Trop. For. Sc. 5: 271–290, illus.
- MANOKARAN, N. et 7 al. 1990. *Methodology for the fifty hectare research plot at Pasoh Forest Reserve.* FRIM Res. Pamphlet 104: 1–69, illus. — Quantitative and long-term investigation of population structure; checklist; program in BASIC for transforming maps into numerical data.
- MANOS, P. S., K. C. NIXON & J. J. DOYLE. 1993. *Cladistic analysis of restriction site variation within the chloroplast DNA inverted repeat region of selected Hamamelididae.* Syst. Bot. 18: 551–562, illus. — Hamamelididae polyphyletic; Nothofagaceae supported.
- MARTIN, P. G. & J. M. DOWD. 1993. *Using sequences of rbcL to study phylogeny and biogeography of Nothofagus species.* Austr. Syst. Bot. 6: 441–447, illus. — Analyses show lineages corresponding with the subgenera as presently recognized.
- MASAQUEL, L. C et 6 al. 1992. *Cyperus rotundus L.* Weed Info Sheet 15: 1–2, illus. — Distribution, description, control (Cyperaceae).

- MASCHWITZ, U., B. FIALA & K.E. LINSENMAIR. 1992. *A new ant-tree from SE Asia: Zanthoxylum myriacanthum (Rutaceae), the Thorny ivy-rue*. Mal. Nat. J. 46: 101–109, illus. — Other newly recorded ant-trees are *Crypteronia griffithii* and *Saraca thaipingensis*.
- MATHEW, S.P. & S. ABRAHAM. 1993. *Ficus aurantiacea Griff. var. aurantiacea from South Andamans, India*. Mal. Nat. J. 46: 145–147, illus.
- MATHEW, S.P. & P. LAKSHMINARASIMHAN. 1992. *Actinodaphne sesquipedalis (Lauraceae) – a new record for India from Andaman Islands*. J. Bombay Nat. Hist. Soc. 89: 272–273, illus.
- MATHEW, S.P. & P. LAKSHMINARASIMHAN. 1992. *Rotala andamanensis Mathew & Lakshminarasimhan a new species of Lythraceae from Andaman Islands, India*. Bull. Bot. Surv. India 32 ('1990'): 189–191, illus.
- MATHEW, S.P. & P.V. SREEKUMAR. 1992. *Mapania kurzii Clarke (Cyperaceae) – a new record for India*. J. Bombay Nat. Hist. Soc. 89: 274–275, illus. — In S. Andaman Isl.
- \*MCGILLIVRAY, assisted by R.O. MAKINSON. 1993. *Grevillea (Proteaceae), a taxonomic revision*. Melbourne University Press, Miegunyah Press Ser. 9: xiii, 465, illus. ISBN 0-522-84439-1. Au\$ 226.00. — A magnificent revision of this mainly Australian genus; very well produced; extensive descriptions, notes, beautiful colour plates; special chapter on nomenclature; incl. reprint of a 1986 pamphlet with new taxa (made effective here?).
- MEEUSE, A.D.J. 1993. *Evolutionary history and classification of the Laurales, especially of the Monimiaceae: deductions based on fossil records and the anthocorm theory*. Rheedea 3: 35–49, illus. — Laurales monophyletic, possibly distinct superorder; notes on Chloranthaceae, Convolvulaceae–Cuscuteae, Piperales.
- MENNEGA, E.A. 1993. (MORAWETZ, W., Ed.). *Bibliography of the Annonaceae (ed. 3). Iconography of the Annonaceae (ed. 1)*. Biosyst. & Ecol. Series 1: 1–198, 199–292, resp. ISBN 3-950.0248-8. Price unknown.
- MEIJER, W. & M. WONG. 1993. *Rafflesia cantleyi and R. hasseltii compared*. Mal. Nat. 47: 10–12, illus. — In the Malay Peninsula only *Rafflesia cantleyi* occurs, stamps and bank notes notwithstanding.
- MEIJER, W. & J.F. VELDKAMP. 1993. *A revision of Mitrastema (Rafflesiaceae)*. Blumea 38: 221–229.
- MIA, M.M.K. & M.M. RAHMAN. 1990. *Costaceae*. Fl. Bangladesh 45: 1–4. illus. — 1 species.
- MICHAEL, P.W. 1991. *The discovery of Echinochloa oryzicola (Vasing.) Vasing. in Indonesia*. Proc. 13th As. Pac. Weed Sc. Soc. Conf. Jakarta: 223–224. — Compared to *Echinochloa oryzoides* (incl. *E. phyllopopon*).
- MICHAEL, P.W. 1991. *The instability of the botanical names of important weeds, a nuisance to weed scientists*. Proc. 13th As. Pac. Weed Sc. Soc. Conf. Jakarta: 215–221.
- MICHAELS, H.J. et al. 1993. *Interfamilial relationships of the Asteraceae: insights from rbcL sequence variation*. Ann. Missouri Bot. Gard. 80: 742–751, illus. — *Goodeniaceae, Calyceraceae* sister group; *Asteridae* monophyletic when some groups are removed.

- MIDDLETON, D.J. 1993. *A new combination in Chonemorpha (Apocynaceae)*. Novon 3: 455. — Key to Thai species.
- MIDDLETON, D.J. 1993. *A systematic survey of leaf and stem anatomical characters in the genus Gaultheria and related genera (Ericaceae)*. Bot. J. Linn. Soc. 113: 199–215, illus. — *Pernettya* not distinct.
- MIDDLETON, D.J. 1993. *A taxonomic revision of Willughbeia Roxb. (Apocynaceae)*. Blumea 38: 1–24. — Incl. *Urnularia*; 15 species, 1 new comb.; key; synonymy, descriptions, notes; taxa under species and at end; index.
- MILLAR, C.I. 1993. *Impact of the Eocene on the evolution of Pinus L.* Ann. Missouri Bot. Gard. 80: 471–498, illus. — (*Pinaceae*).
- MISHRA, K.K., C. OJHA & V. NATH. 1991. *Notes on the occurrence of Alternanthera pungens Kunth (Amaranthaceae) in Bihar*. J. Econ. Tax. Bot. 15: 498–500. — Synonymy, description.
- MISRA, O.P., D.C.S. RAJU & S.C. MISRA. 1992. *Some additions to the orchid flora of Orissa*. J. Bombay Nat. Hist. Soc. 89: 184–186. — E.g. *Sarcochilus luniferus*.
- MITHEN, R. & H. KIBBLEWHITE. 1993. *Taxonomy and ecology of Vigna unguiculata (Leguminosae—Papilionoideae) in South-central Africa*. Kirkia 14: 100–113, illus. — 2 subsp., one wild, with 7 varieties (some new), one cultivated.
- MOHMOD, A.L. & M.T. MUSTAFA. 1992. *Variation in anatomical properties of three Malaysian bamboos from natural stands*. J. Trop. For. Sc. 5: 90–96. — *Bambusa blumeana*, *B. vulgaris*, *Gigantochloa scorzachinii*.
- MONDAL, M.S. 1991. *A new species of Connarus Linn. (Connaraceae) from Andaman & Nicobar Islands*. J. Econ. Tax. Bot. 15: 459–460, illus.
- MONDAL, M.S. 1991. *A new variety of Cnestis palala (Lour.) Merr. from Andaman*. J. Econ. Tax. Bot. 15: 493–494, illus.
- MONDAL, P. & D.C. PAL. 1992. *New distributional records of Brachiaria hybrida Basappa & Muniyamma (Poaceae)*. J. Bombay Nat. Hist. Soc. 89: 275. — Also in Andamans.
- MORAWETZ, W. (ed.). 1993. See MENNEGA, E.A.
- MORGAN, D.R. & D.E. SOLTIS. 1993. *Phylogenetic relationships among members of Saxifragaceae sensu lato based on rbcL sequence data*. Ann. Missouri Bot. Gard. 80: 631–660, illus. — Hodgepodge of at least 10 lineages mainly in Rosidae and Asteridae.
- MORRONE, O. & F.O. ZULOAGA. 1992. *Revision de las especies sudamericanas nativas e introducidas de los generos Brachiaria y Urochloa (Poaceae: Panicoideae: Paniceae)*. Darwiniana 31: 43–109, illus. (In Spanish, Engl. summ.). — *Brachiaria* monotypic, 11 new comb., intergeneric relationships.
- MOTTE, B. DE. 1994. *Phalaenopsis lueddemanniana (Rchb.f.)*. Orchideën 94/1: 18–19, illus. (In Dutch). — History, hybrids, description, culture.
- MOTTE, B. DE. 1993. *Phalaenopsis sanderiana (Rchb.f.) 1882*. Orchideën 93/3: 9–10, illus. (In Dutch). — Synonymy, origin, habitat, varieties, hybrids, description, history, culture.

- MUNIR, A. A. 1993. *A taxonomic revision of the genus Lippia [Houst. ex] Linn. (Verbenaceae, in Australia.* J. Adelaide Bot. Gard. 15: 129– 145, illus. — Contrary to previous remarks, the genus does not occur in Malesia.
- MUNIR, A. A. 1993. *A taxonomic revision of the genus Phyla Lour. (Verbenaceae) in Australia.* J. Adelaide Bot. Gard. 15: 109–128, illus. — 2 species, 1 Malesian; key; synonymy, description, notes; representative specimens under taxa.
- MURTHY, G. V. S. 1992. *Palynotaxonomy of the genus Butea Roxb. ex Willd. (s.l.) (Fabaceae)* Bull. Bot. Surv. India 31 ('1989'): 83–87, illus. — Segregation of *Meizotropis* and *Spatholobus* supported.
- MURTI, S. K. 1993. *Family Elaeocarpaceae in India – census and observations.* J. Econ. Tax. Bot. 17: 283–296 — 2 genera, 34 taxa; no key; synonymy, diagnoses, distribution, notes, all very brief.
- NAGESHWAR, G. & M. RADHAKRISHNAIAH. 1994. *A note on the chemosystematics of Boerhavia and Bougainvillea.* Feddes Repert. 105: 45–47, illus. — Closely related (Nyctaginaceae).
- NAREDO, M. A. B., D. A. VAUGHAN & F. STA. CRUZ. 1993. *Comparative spikelet morphology of Oryza schlechteri Pilger and related species of Leersia and Oryza (Poaceae).* J. Pl. Res. 106: 109–112, illus. — A true *Oryza*.
- NAYAR, T. S. 1992. *Occurrence of Voacanga grandifolia (Miq.) Rolfe (Apocynaceae) in India and the Asian continent.* Bull. Bot. Surv. India 32 ('1990'): 167–168, illus. — Synonymy, description
- \*NEERVOORT, A. M. 1994. *The mountain garden Cibodas, the Nature Reserve Gede-Pangrango and historical facts on Gede eruptions.* Private publication by former Curator of the Garden. — History; recommendations for maintenance; chronological survey of eruptions.
- NELSON, E. C. 1993. *Who was the author of Montbretia crocosmiiflora?* Watsonia 19: 265–267. — = *Crocosmia × crocosmiiflora* (Lemoine) N.E. Br. This species not in FM 8, but I found it cultivated and naturalized in New Guinea (Iridaceae).
- NEMOTO, T. & H. OHASHI. 1993. *Seedling morphology of Lespedeza (Leguminosae).* J. Pl. Res. 106: 121–128, illus. — Two types.
- NICOLSON, D. H. 1994. *Gender of generic names, particularly those ending in -ma, in the 'Names in current use' list.* Taxon 43: 97–107. — (Incomplete) survey of names and gender pp. 103–107; for the connoisseur!
- NICOLSON, D. H. & W. GREUTER. 1994. *Guidelines for proposals to conserve or reject names.* Taxon 43: 109–112.
- NOOTEBOOM, H. P. 1994. *Michelia banghamii (Magnoliaceae), a new species from Sumatra.* Blumea 38: 334.
- NOSKE, R. A. 1993. *Bruguiera hainesii: another bird-pollinated mangrove?* Biotropica 25: 481–483. — Yes.
- NOWICKE, J. W. 1994. *A palynological study of Crotonoideae (Euphorbiaceae).* Ann. Missouri Bot. Gard. 81: 245–269, illus.

- OHASHI, H. 1994. *The taxonomic position of Desmodium auricomum Benth. (Leguminosae—Papilionoideae) and its new variety*. J. Jap. Bot. 69: 24–27, illus.
- OKADA, H. 1993. *Cytotaxonomic aspects of Annonaceae, with special reference to differences in proportion of polyploids between Asia and America*. Acta Phytotax. & Geobot. 44: 113–122, illus.
- OKAMOTO, M., H. OKADA & K. UEDA. 1993. *Morphology and chromosome number of Viola pilosa, and its systematic position*. Taxon 42: 781–787, illus. —  $2n = 20$ ; to series *Viola*; new series for *V. curvistylis*, *E. javanica*, *V. rheophila*, *V. rupicola*, *V. suamatrana* (type), etc. ().
- OLMSTEAD, R.G., B. BREMER, K.M. SCOTT & J.D. PALMER. 1993. *A parsimony analysis of the Asteridae sensu lato based on rbcL sequences*. Ann. Missouri Bot. Gard. 80: 700–722, illus. — Monophyletic with 11 lineages.
- \*ORCHARD, A.E. & H.S. THOMPSON (Eds.). 1993. *Flora of Australia 50. Oceanic Islands 2*. Austr. Gov. Publ. Serv. Canberra. xxvi + 606 pp., illus. — See Reviews.
- OTENG-AMOAKO, A.A. 1990. *Macroscopic wood identification manual for Papua New Guinea*. FRI Publ. 1: 1–118, illus. — Polyclave to 140 species, each depicted, see also next citation for additional species.
- OTENG-AMOAKO, A.A. 1992. *Photomicrographic atlas of Papua New Guinea timbers with IAWA microscopic hardwood identification features*. FRI Publ. 3: 1–122, illus. — Polyclave to 150 subsp., each depicted, quite a few not in the work cited above.
- \*OUDEJANS, R.C.H.M. 1993. *World catalogue of species names published in the tribe Euphorbieae (Euphorbiaceae) with their geographical distribution*. Cumulative supplement I. 79 pp. Private publ., H. v. Konijnenburglaan 12, NL-3925 XB, Scherpenzeel, The Netherlands. Hfl. 35.00 (Eur.), US\$ 20.00 elsewhere (cash; by check: add \$ 12.00). — 11 new comb.
- PADULOSI, S. & N.Q. NG. 1993. *A useful and unexploited herb, Vigna marina (Leguminosae—Papilionoideae) and the taxonomic revision of its genetic diversity*. Bull. Jard. Bot. Nat. Belg. 62: 119–126, illus. — 1 new subsp.
- PAK, J.-H. & S. KAWANO. 1992. *Biosystematic studies on the genus Ixeris and its allied genera (Compositae—Lactuceae). IV. Taxonomic treatments and nomenclature*. Mem. Fac. Sc. Kyoto Univ., Biol. 15: 29–61, illus. — Malesian *Lactuca* species to *Ixeridium*; new combination; key to genera, sections, species.
- PAL, D.C. & B. ROY. 1992. *A check list of the grass flora of Andaman and Nicobar Islands and its economic importance*. J. Econ. Tax. Bot. 16: 283–289. — 70 genera, 162 taxa.
- PANDEY, A.K. & S.S. JHA. 1993. *Spermодerm pattern in Hedysareae (Fabaceae) and its systematic implication*. Rheedia 3: 15–21, illus. — Heterogeneous sensu Hook. f.: 5 patterns confirm Polhill's treatment.
- PANNELL, C.M. 1993. *A monograph of Aglaia (Meliaceae) – a correction*. Kew Bull. 48: 244. — For *Aglaia conferta* read *A. cinnamomea* Baker f.
- PARDUE, L. 1993. *The changing role of tropical botanic gardens*. Proc. Bot. Gard. 130th Anniv. Seminar: 23–29.

- PASQUET, R.S. 1993. *Classification infraspécifique des formes spontanées de Vigna unguiculata (L.) Walp. (Fabaceae) à partir de données morphologiques*. Bull. Jard. Bot. Nat. Belg. 62: 127–173 (In French, Engl. summ.). — 4 new subsp., 1 new variety.
- PATRA, S.K., R.B. GHOSH, D. GUPTA & K.N. BHATTACHARYA. 1992. *Burmannia coelestis L. (Burmanniaceae). — a new record from West Bengal*. J. Econ. Tax. Bot. 16: 341–342, illus.
- PAUL, S.R., S.S. PRASAD & T. HUSAIN. 1991. *Taxonomic studies in the genus Desmodium Desf. (Papilionaceae) from Chotanagpur Plateau (Bihar)*. J. Econ. Tax. Bot. 15: 219–226, illus. — 11 species (9 Malesian); key; synonymy, specimens under taxa.
- PEDERSEN, H.A. 1993. *The genus Pteroceras (Orchidaceae) — a taxonomic revision*. Op. Bot. 117: 1–64, illus. — 19 species, 1 new, 2 new comb. in *Macropodanthus*; history, delimitation, morphology; key to genera and species; specimens under taxa; index.
- PHENGKLAI, C. 1994. *Taccaceae*. Fl. Thail. 6: 1–9, illus. — 5 species.
- PHENGKLAI, C. 1994. *Tiliaceae*. Fl. Thail. 6: 10–80, illus. — 12 genera, 46 species.
- PHON, P.D., H. OHASHI & J.E. VIDAL. 1994. *Légumineuses – Desmodies*. Fl. Camb., Laos & Viêtnam 27: 149 pp, illus.
- PILAR SCHNEIDER, M. DEL & A.C. VEGETTI. 1992. *The synflorescence in species of Sorghinae (Andropogoneae–Poaceae)*. Beitr. Biol. Pfl. 67: 225–239, illus.
- \*PIMENOV, M.G. & M.V. LEONOV. 1993. *The genera of the Umbelliferae. A nomenclator*. 156 pp, illus. Royal Botanic Gardens, Kew & Botanical Garden of Moscow University, Russia. ISBN 0-947643-58-3. Price £ 12.00. — List of 455 genera, c. 3750 accepted species names, place of publication, type, tribal position, synonyms, distribution, number of species, literature.
- PIOVESAN, G., C. PELOSI, A. SCHIRONE & B. SCHIRONE. 1993. *Taxonomic evaluations of the genus Pinus (Pinaceae) based on electrophoretic data of salt soluble and insoluble proteins*. Pl. Syst. Evol. 186: 57–68, illus.
- POULSEN, A.D. 1993. *Note on the rare terrestrial orchid Apostasia elliptica found in Borneo*. Blumea 38: 129–130, illus.
- POULSEN, A.D. 1993. *Two new species of Boesenbergia (Zingiberaceae) from Borneo*. Nord. J. Bot. 13: 289–294, illus.
- PRADO, D.E. 1993. *Lectotypification of Capparis baducca L. (Capparaceae)*. Taxon 42: 655–660, illus. — Hb. Clifford 204 *Capparis* 3b (BM).
- PRICE, R.A. & J.D. PALMER. 1993. *Phylogenetic relationships of the Geraniaceae and Geriales from rbcL sequence comparisons*. Ann. Missouri Bot. Gard. 80: 661–671, illus.
- PRIDGEON, A.M. 1993. *Systematic leaf anatomy of Caladenia (Orchidaceae)*. Kew Bull. 48: 533–543, illus.
- PRIDGEON, A.M. 1994. *Systematic leaf anatomy of Caladeniinae (Orchidaceae)*. Bot. J. Linn. Soc. 114: 31–48, illus. — Paraphyletic, consisting of 7 groups.

- \*PUNT, W., S. BLACKMORE, S. NILSSON & A. LE THOMAS. 1993. *Glossary of pollen and spore terminology*. LPP Contr. Ser. 1. 71 pp, illus. ISBN 90-393-00230-8. Price unknown. — Beautifully executed, terms illustrated when possible.
- PUY, D.J. DU, J.-N. LABAT & B.D. SCHRIRE. 1993. *The separation of two previously confused species of the Indigofera spicata complex (Leguminosae: Papilionoideae)*. Kew Bull. 48: 727–733, illus. — *Indigofera spicata*, *I. hendecaphylla* (also in Malesia); key; synonymy, distribution; no descriptions.
- QAISER, M. 1993. *Nelumbonaceae*. Fl. Pakistan 194: 1–4, illus. — 1 species.
- QAISER, M. 1993. *Nymphaeaceae*. Fl. Pakistan 195: 1–10, illus. — 2 genera, 6 species.
- QIU, Y.-L., M.W. CHASE, D.H. LES & C.R. PARKS. 1993. *Molecular phylogenetics of the Magnoliidae: cladistic analyses of nucleotide sequences of the plastid gene rbcL*. Ann. Missouri Bot. Gard. 80: 587–606, illus. — 36 families, 64 species; some differences with general idea on relationships.
- RABELER, R.K. & V. BITTRICH. 1993. *Suprageneric nomenclature in the Caryophyllaceae*. Taxon 42: 857–863.
- RAGHUVeer, M., L.L. NARAYANA & B.S.M. DUTT. 1993. *Dehiscent fruit of Hydrocera triflora (Linn.) Wt. & Arn. (Balsaminaceae): its anatomy and dispersal*. Rheedea 3: 12–14, illus. — Separate tribe.
- RAHMAN, M.A. & C.C. WILCOCK. 1991. *Periplocaceae*. Fl. Bangladesh 47: 1–16, illus. — 6 genera, 7 species.
- RAJENDRAN, A. & P. DANIEL. 1992. *The occurrence of Premna lucidula Miq. (Verbenaceae) in India*. Bull. Bot. Surv. India 32 ('1990'): 191–194, illus. — Previously known there as *P. flavesens* var. *glabrior*.
- RAO, J.V.S. & S.R.S. RAO. 1994. *Structure, distribution and taxonomic importance of stomata in some Indian Tephrosia Pers. (Fabaceae)*. Bot. J. Linn. Soc. 114: 243–252, illus. — Implications on the infra-generic level.
- RAO, P.S.N. 1991. *Rediscovery of a rare endemic Casearia Jacq. (Flacourtiaceae) in Bay Islands*. J. Econ. Tax. Bot. 15: 683–685, illus. — A single tree; description.
- RENNER, S.S. 1993. *Phylogeny and classification of the Melastomataceae and Memecylaceae*. Nord. J. Bot. 13: 519–540, illus. — Cladistic analyses; *Pternandra* as separate subfamily.
- RENNER, S.S. & J.P. FEIL. 1993. *Pollinators of tropical dioecious Angiosperms*. Am. J. Bot. 80: 1100–1107, illus.
- REVEAL, J.L. 1993. *A list of validly published, automatically typified, ordinal names of vascular plants*. Taxon 42: 825–844.
- REYNOLDS, S.T. 1993. *The genus Pavetta L. (Rubiaceae) in Australia*. Austrobaileya 4: 21–49, illus. — Compared to *Ixora*; 10 species (6 new), 4 varieties (2 new); key; synonymy, descriptions, distribution, notes, specimens under taxa.

- RICO-GRAY, V. 1993. *Origen y rutas de dispersion de los manglares: una revisión con énfasis en las especies de América*. Acta Bot. Mex. 25: 1–13, illus. (In Spanish, Engl. summ.). — Summary of fossil recordings of mangrove species.
- RIDDER-NUMAN, J.W.A. & D.J. KORNET. 1994. *A revision of the genus Kunstleria (Leguminosae–Papilionoideae)*. Blumea 38: 465–485, illus. — 7 species, 2 new; key; synonymy, descriptions, notes; index to collectors.
- RIEGL, H. 1994. *Diagnoses Boraginacearum novarum regionis 'Florae Malesianae'*. Blumea 38: 461–464. — 4 subsp. in *Cordia aspera*; *Cynoglossum* 3 species; *Ehretia* 1; *Heliotropium* 1; *Trigonotis* 1.
- RIESEBERG, L.H. & L. BROUILLET. 1994. *Are many plant species paraphyletic?* Taxon 43: 21–32, illus. — Many likely to be, so 'a classification based on the criterion of monophyly is unlikely to be an effective tool for describing and ordering biological diversity.'
- ROBSON, N.K.B. 1993. *Parallel evolution in tropical montane Hypericum*. Opera Bot. 121: 263–274, illus. — Origin in African W Gondwana, present distribution due to continental drift.
- RODEROS, R.R. 1993. *A taxonomic study of certain Pittosporum species from the Philippines*. Biotrop Sp. Publ. 51: 21–41, illus. — 5 species; key, synonymy, description; morphology; cluster analysis.
- RODMAN, J. et 5 al. 1993. *Nucleotide sequences of the rbcL gene indicate monophyly of mustard oil plants*. Ann. Missouri Bot. Gard. 80: 686–699, illus. — Agreement with previous analyses.
- ROGSTAD, S.H. 1993. *Floral biology in the Polyalthia hypoleuca species complex*. Intern. Seminar & Workshop on the taxonomy and phytochemistry of the Annonaceae: 36–38.
- ROGSTAD, S.H. 1993. *The interdependence of systematics and ecology: an example from Polyalthia (Annonaceae)*. Intern. Seminar & Workshop on the taxonomy and phytochemistry of the Annonaceae: 9–16. — *Polyalthia hypoleuca* complex.
- ROGSTAD, S.H. 1994. *The biosystematics and evolution of the Polyalthia hypoleuca species complex (Annonaceae) of Malesia. III. Floral ontogeny and breeding systems*. Am. J. Bot. 81: 145–154.
- ROHRER, J.R., K.R. ROBERTSON & J.B. PHIPPS. 1994. *Floral morphology of Maloideae (Rosaceae) and its systematic relevance*. Am. J. Bot. 81: 574–581, illus. — No floral character separates subfam from others; *Malus*, *Pyrus*, *Sorbus* distinct; *Sorbus* to be split up; *Photinia* incl. *Aronia*, *Stranvaesia*; distinction *Crataegeae*/*Sorbeae* not supported.
- ROHWER, J.G. 1993. *A preliminary survey of the fruits and seeds of the Oleaceae*. Bot. Jb. 115: 271–291, illus. — Homogeneous, but *Jasminum*–*Menodora* distinct.
- ROHWER, J.G. 1994. *Fruits and seeds of Nyctanthes arbor-tristis L. (Oleaceae): a comparison with some Verbenaceae*. Bot. Jb. 115: 461–473, illus. — Most reminiscent of Oleaceae–Oleoideae.
- ROHWER, J.G. 1994. *A note on the evolution of the stamens in the Laurales, with emphasis on the Lauraceae*. Bot. Acta 107: 103–110, illus.

- RONSE DECRAENE, L. P. & E. F. SMETS. 1994. *Doublement revisited: towards a renewed interpretation of the androecium of the Magnoliophytina*. Bot. J. Linn. Soc. 113: 103–124, illus.
- RONSE DECRAENE, L. P. & E. F. SMETS. 1994. *The distribution and systematic relevance of the androecial character polymery*. Bot. J. Linn. Soc. 113: 285–350, illus.
- RÖSER, M. 1994. *Pathways of karyological differentiation in palms*. Pl. Syst. Evol. 189: 83–122, illus. — 56 taxa studied; evolutionary implications (*Palmae*).
- RUDALL, P. 1994. *Anatomy and systematics of Iridaceae*. Bot. J. Linn. Soc. 114: 1–21, illus. — Leaf anatomical characters of use at tribal level; *Isophysisidaceae* not supported.
- RUDALL, P. 1994. *Laticifers in Crotonoideae (Euphorbiaceae): homology and evolution*. Ann. Missouri Bot. Gard. 81: 270–282, illus. — Paraphyly indicated; evolution of family.
- RUDJIMAN. 1993. *Kibatalia G. Don in the Philippines*. Biotrop Sp. Publ. 51: 53–81, illus. — Revision, 9 species; key; synonymy, description (*Apocynaceae*).
- RYDING, O. 1993. *Pericarp structure of Leucas and related genera (Lamiaceae, Lamioideae)*. Nord. J. Bot. 13: 637–646, illus.
- RYDING, O. 1994. *Pericarp structure and phylogeny of Lamiaceae subfamily Pogostemoideae*. Nord. J. Bot. 14: 59–63, illus. — Polyphyletic.
- SADRUDDIN. 1992. *Spiranthes sinensis (Persoon) Ames – a new record of orchid from Eastern Bhutan*. Bull. Bot. Surv. India 31('1989'): 170–172. — Synonymy, diagnosis.
- SALES, F. 1993. *Taxonomy and nomenclature of Bromus sect. Genea*. Edinburgh J. Bot. 50: 1–31, illus. — *Bromus rigidus* recognized as variety of *B. diandrus*, 1 new comb.
- SALMON, B. 1993. *Some observations on the trapping mechanisms of Nepenthes inermis and N. rhombicaulis*. Carnivorous Pl. Newslett. 21: 11–12, illus.
- \* SANJAPPA, M. 1992. *Legumes of India*. viii, 338 pp. Bisen Singh Maghendra Pal Singh, 23-A Connaught Pl., Dehra Dun 348 001, India. ISBN 81-211-0065-8. Rs. 475.00 (n.v.).
- SARIMBANGUN, DI. & S. S. TJITROSOEDIRDJO. 1994. *Panicum repens L.* Weed Info Sheet 22. — (*Gramineae*).
- SAVOLAINEN, V., J. F. MANEN, E. DOUZERY & R. SPICHIGER. 1994. *Molecular phylogeny of families related to Celastrales based on rbcL 5' flanking sequences*. Molec. Phylog. Evol. 3: 27–37, illus. — Order polyphyletic; 2 major clades.
- SAW, L. G. 1993. *Tacca: flowering and fruiting behaviour*. Nat. Mal. 18: 3–6, illus. — (*Taccaceae*).
- SCHOSER, G. 1993. *The tropical cloud forest: an interesting part of the biosphere experiences with the Tropicarium in Frankfurt*. Proc. Bot. Gard. 130th Anniv. Seminar: 39–49.
- SCHUTTEMAN, A. 1994. *Sarcochilus huliorum (Orchidaceae), a new species from Papua New Guinea*. Blumea 38: 513–517, illus.

- SCOTLAND, R.W. 1993. *Pollen morphology of Contortae (Acanthaceae)*. Bot. J. Linn. Soc. 111: 471–504, illus. — Parsimony analysis incongruent with previous classifications.
- SCOTLAND, R.W., P.K. ENDRESS & T.J. LAWRENCE. 1994. *Corolla ontogeny and aestivation in the Acanthaceae*. Bot. J. Linn. Soc. 114: 49–65. — Existing higher level classification not supported.
- SCHUTTEMAN, A. & A. VOGEL. 1993. *Een expeditie naar Papua New Guinea. Deel 2: het bergland*. Orchideën 93/4: 3–7, illus. (In Dutch).
- SEGAAR, P.J. & R.W.J.M. VAN DER HAM. 1993. *Pollen of Scutinanthe brunnea compared with other burceraceous pollen types: a remarkable case of divergence*. Rev. Palaeobot. & Palynol. 79: 297–334, illus. — Generic survey of Burseraceae; literature; discussions.
- SEIGLER, D.S. 1994. *Phytochemistry and systematics of the Euphorbiaceae*. Ann. Missouri Bot. Gard. 81: 380–401, illus. — Difference between Dilleniidae and Rosidae not supported (see also Jensen et al., 1994); Euphorbiaceae of intermediary origin; some infra-familial groupings supported.
- SEINE, R. & W. BARTHLOTT. 1993. *On the morphology of trichomes and tentacles of Droseraceae Salisb.* Beitr. Biol. Pfl. 67: 345–366, illus.
- SENEVIRATNE, A.S. 1993. *Simaroubaceae – the Quassia family*. Intern. Seminar & Workshop on the taxonomy and phytochemistry of the Simaroubaceae: 1–17, illus. — Review of taxonomy, phytochemistry, uses.
- \*SEUBERT, E. 1993. *Die Samen der Araceen*. Koeltz Scientific Books, POB 1360, D-61453 Koenigstein, Germany. vi + 433 pp, illus. ISBN 3-87429-363-7. DM 110.00 (excl. postage) (In German, Engl. summ.) (n.v.).
- SHAH, M. & C.C. WILCOCK. 1993. *Infrageneric classification of the genus Potentilla L. (Rosaceae) in Pakistan & Kashmir*. Edinburgh J. Bot. 50: 173–179. — 9 subgenera, 15 sections; Duchesnea reduced (how about Fragaria?); keys.
- SHEAHAN, M.C. & D.F. CUTLER. 1993. *Contribution of vegetative anatomy to the systematics of the Zygophyllaceae*. R. Br. Bot. J. Linn. Soc. 113: 227–262, illus. — Balanites as separate family supported; several groups recognizable.
- SHEEHAN, T. & M.R. SHEEHAN. 1994. *Ceratocentron*. Am. Orchid Soc. Bull. 63: 532–533, illus.
- SIEMONSSMA, J.S. & K. PILUEK (Eds.). 1993. *Vegetables*. PROSEA 8: 1–412, illus. — About 100 species or cultivar groups treated, summary data for another 125.
- SIM, J.W.S., H.T.W. TAN & I.M. TURNER. 1992. *Adinandra belukar: an anthropogenic heath forest in Singapore*. Vegetatio 102: 125–137 (n.v.). — (Theaceae).
- \*SIMPSON, D.A. 1992. *A revision of the genus Mapania (Cyperaceae)*. 189 pp, illus. Royal Botanic Gardens, Kew. ISBN 0-947643-53-2. £ 15.00. — 4 sections, 73 species, several new, also new infrasp. taxa; history, morphology, ecology, pollination, uses, distribution, phylogeny; geographical keys; synonymy, description, distribution, specimens under taxa; index.

- SIVARAJAN, V. V., S. D. BIJU & P. MATHEW. 1993. *Taxonomy and nomenclature of some Indian species of Hedyotis (Rubiaceae)*. Kew Bull. 48: 391–396, illus. — *Oldenlandia umbellata* and *O. wightii* distinct; both to *Hedyotis*, 1 nom. nov, 1 comb nov.; *O. umbellata* lectotypified = *H. brevicalyx* nom. nov.
- \*SKOG, L. E. & L. BROTHERS. 1990. *Bibliography of the Gesneriaceae*. 205 pp. Dept. Botany, NHB-166, Smithsonian Institution, Washington (DC) – 20560, U.S.A. Price unknown. — 1630 publications up to 1990; list of bibliographic references and list of keywords. Required for gesneriologists!
- SKOG, L. E. & H. M. WETZEL. 1986. *Translationes operum sinensium de Gesneriaceis*. — I. Contrib. N. Y. Bot. Gard. 16: 1–131, illus. — Original and translations of 4 papers by W.-T. Wang.
- SLATER, T. 1993. *Caladenia longicauda* Lindley. Orchadian 11: 38–42, illus. — Various notes.
- SMITH, J. F., W. J. KRESS & E. A. ZIMMER. 1993. *Phylogenetic analysis of the Zingiberales on rbcL sequences*. Ann. Missouri Bot. Gard. 80: 620–630, illus. — 8 families recognized.
- SMITINAND, T. & K. LARSEN (Eds.). 1992. *Flora of Thailand 5/4*. — I. C. HEDGE & J. M. Lamond: *Umbelliferae* (15 genera, 23 species), K. LARSEN: *Amaranthaceae* (14/28), *Basellaceae* (2/2), *Caryophyllaceae* (8/10), *Phytolaccaceae* (1/1), T. SANTISUK: *Cyperoniaceae* (1/1), *Sonneratiaceae* (2/5), B. VERDCOURT: *Chloranthaceae* (2/4); plates and index to vol. 5.
- SMITINAND, T., P. B. TOMPSETT & M. CHEEK. 1993. *A new synonym and a range extension for Dipterocarpus alatus*. Kew Bull. 48: 397–399. — Reduction of *D. philippinensis*.
- SNIGIREVSKAYA, N. S. 1993. *The leaf dimorphism and the cotyledon nature in Nelumbo (Nelumbonaceae)*. Bot. Dzj. 77/12: 1–6, ill (In Russian, Engl. summ.). — Genus is dicotyledonous.
- SOERIANEGARA, I. & R. H. M. J. LEMMENS (Eds.). 1993. *Timber trees: major commercial timbers*. PROSEA 5/1: 1–610 pp, illus.
- SPICHIGER, R., V. SAVOLAINEN & J.-F. MANEN. 1993. *Systematic affinities of Aqifoliaceae and Icacinaceae from molecular data analysis*. Candollea 48: 459–464, illus. — Closely related and with Theaceae.
- SPJUT, R. W. 1994. *A systematic treatment of fruit types*. Mem. N. Y. Bot. Gard. 70: 1–182, illus. — A brave attempt to bring order in the terminology; key to types; descriptions and synonymy.
- SREEKUMAR, P. V. 1992. *Distributional notes on some grasses from the Bay Islands*. Bull. Bot. Surv. India 32 ('1990'): 177–178. — 6 new records for the Andaman and Nicobar Isl.
- SREEKUMAR, P. V. 1993. *Syzygium flosculiferum* (M. R. Henderson) Sreek. — An addition to the Myrtaceae of India from the Great Nicobar Island. J. Econ. Tax. Bot. 17: 454–456, illus. — Comb. nov.

- SREEKUMAR, P. V. & H. S. DEBNATH. 1992. *Ficus pendens* Corner (Moraceae) – a new record for India from Nicobar Islands. *J. Econ. Tax. Bot.* 16: 221–222, illus.
- SREEKUMAR, P. V. & M. K. V. RAO. 1992. *Kopsia arborea* Blume (Apocynaceae) – a new record for India from the Nicobar Islands. *Mal. Nat. J.* 46: 97–99, illus. — Description.
- SRIVASTAVA, S. K. 1992. A new name for a *Jasminum* (Oleaceae). *Bull. Bot. Surv. India* 32 ('1990'): 174. — For *J. unifoliolatum* Balakr. & Nair, non Gillespie.
- SRIVASTAVA, S. K. 1994. *Garcinia dhanikhariensis* (Clusiaceae), a new species from Andaman Islands, India. *Nord. J. Bot.* 14: 51–53, illus.
- SRIVASTAVA, S. K. & S. L. KAPOOR. 1991. *Chionanthus* Linn. (Oleaceae) in India. *J. Econ. Tax. Bot.* 15: 129–141, illus. — 10 species (3 Malesian), 4 varieties; introduction, key; synonymy, description, specimens under taxa.
- SRIVASTAVA, S. K. & S. P. MATHEW. 1992. Additions to the genus *Aristolochia* L. (Aristolochiaceae) in Andaman and Nicobar Islands. *Bull. Bot. Surv. India* 32 ('1990'): 183–185, illus. — 2 new records; key; synonymy, descriptions.
- STACE, H. M., J. A. ARMSTRONG & S. H. JAMES. 1993. Cytoevolutionary patterns in Rutaceae. *Pl. Syst. Evol.* 187: 1–28, illus.
- STAPLES, G. W. 1993. New combinations in the tribe Poraneae (Convolvulaceae) for the Flora of China. *Novon* 3: 198–201. — 1 Malesian; generic key.
- STEARN, W. T. 1993. John Williams (1915–1991) and Adam Stainton (1921–1991), botanical explorers of Nepal. *Taxon* 42: 901–905. — Stainton also collected in Sabah as a member of the Royal Society North Borneo Expedition, 196 [Fl. Males. I, 8 (1974) 94b].
- STERN, W. L. 1993. Apostasiads, systematic anatomy, and the origins of Orchidaceae. *Bot. J. Linn. Soc.* 111: 411–455, illus. — *Apostasioideae* not progenitors of orchids, but derived within the family; family most likely derived from Hypoxidaceae.
- STERN, W. L., M. W. MORRIS, W. S. JUDD, A. M. PRIDGEON & R. L. DRESSLER. 1994. Comparative vegetative anatomy and systematics of Spiranthoideae (Orchidaceae). *Bot. J. Linn. Soc.* 113: 161–197, illus. — Subfamily polyphyletic.
- STROTHER, J. L. 1991. Taxonomy of *Complaya*, *Elaphandra*, *Iogeton*, *Jefea*, *Wamalchitamia*, *Wedelia*, *Zexmenia*, and *Zizyxia* (Compositae–Heliantheae–Ecliptinae). *Syst. Mon.* 33: 1–111, illus. — Mainly S American; in Malesia: *Wedelia biflora* = *Wollastonia biflora*; *W. chinensis* = *Complaya chinensis*.
- SUDHAKARAN, S. & A. GANAPATHI. 1993. Structure and distribution of plant trichomes in relation to taxonomy: Indian Physalis. *Feddes Repert.* 104: 469–474, illus. — 6 species studied, 7 hair types; key (Solanaceae).
- SUH, Y., L. B. THIEN, H. E. REEVE & E. A. ZIMMER. 1993. Molecular evolution and phylogenetic implications of internal transcribed spacer sequences of ribosomal DNA in Winteraceae. *Am. J. Bot.* 80: 1042–1055, illus. — *Tasmannia* and *Drimys* appear distinct, *Bubbia* distinct, *Belliolum* to *Zygogynum*.
- SUWUNNAMEK, E. 1994. *Euphorbia heterophylla* L. Weed Info Sheet 20. — (Euphorbiaceae).

- \* SWARBRICK, J.T., R.K. NISHIMOTO & M. SOERJANI (Eds.) 1991. *Theme: vegetation management strategy for sustainable development*. Proc. 13th As. Pac. Weed Sc. Soc Conf. x, 412 pp. Asian Pacific Weed Science Society. No ISBN. Price unknown.
- SWARUPANANDAN, K. & D.H. NICOLSON. 1993. *A new variety of Tylophora tetrapetala (Asclepiadaceae)*. Blumea 38: 231–235, illus. — 2 varieties; key; synonymy, diagnoses, notes.
- TAKAHASHI, H. 1993. *Seed morphology and its systematic implications in Pyroloideae (Ericaceae)*. Int. J. Pl. Sc. 154: 175–186, illus.
- TAN, H.T.W. et 5 al. 1992. *Additions to the Flora of Singapore. I*. Gard. Bull., Singapore 44: 127–133. — Notes on 23 new records.
- TAN, H.T.W., K.S. CHUA & I.M. TURNER. 1992. *The Angiosperm Flora of Singapore Project*. Gard. Bull., Singapore 44: 1–2. — Announcement of Project.
- TARASEVICH, V.F. 1992. *Palynological studies in the genus Carex (Cyperaceae)*. Bot. Dzj. 77/11: 4–15, illus. (In Russian, Engl. summ). — Intra-specifically very variable, no use for infra-generic delimitation.
- TEO, C.K.H. 1991. *Birth of a durian*. Nat. Mal. 16: 28–31, illus. — Phenology (Bom-bacaceae).
- TEO, C.K.H. & S.S. LIM. 1991. *Duku and langsat*. Nat. Mal. 16: 88–93, illus. — Polyembryony in *Lansium domesticum* (Meliaceae).
- THEILADE, I., M.-L. MÆRSK-MØLLER, J. THEILADE & K. LARSEN. 1993. *Pollen morphology and structure of Zingiber (Zingiberaceae)*. Grana 32: 338–342, illus. — Sect. *Dymczewiczia* reduced to sect. *Zingiber*; sect. *Cryptanthium* distinct.
- THEISEN, I. & W. BARTHLOTT. 1994. *Mikromorphologie der Epicuticularwachse und die Systematik der Gentianales, Rubiales, Dipsacales und Calycerales*. Trop. & Subtrop. Pfl.-W. 89: 7–62, illus. (In German, Engl. summ.).
- THOMAS, S. 1993. *A new combination in Dilochia (Orchidaceae)*. Kew Bull. 48: 401–402, illus. — 8 species listed.
- TIMONEN, T. 1993. *Synflorescence structure of some hetero-, homo- and monostachyae sedges (Carex, Cyperaceae)*. Ann. Bot. Fenn. 30: 21–42, illus. — Female spikelets reduced lateral branches, utricles first leaves; male flowers real flowers; comparative morphology in *Cariceae*.
- TIRVENGADUM, D.D. 1993. *Larsenaikia, a new genus of the Rubiaceae from Australia*. Nord. J. Bot. 13: 175–184, illus. — Compared to *Kailarsenia*, emended description, key to the latter.
- \* TISSOT, C., H. CHIKHI & T.S. NAYAR. 1994. *Pollen flora of wet evergreen forests of the Western Ghats, India*. 133 pp, illus. French Institute, POB 33, Pondicherry 605 001, India. Special offer before December 31, 1994: FF 120.00, US\$ 20.00 Indian Rs 400.00, incl. postage. — 46 fam, 162 species, 1500 very clear LM and SEM micrographs.

- TISSOT, M. & F. WEBERLING. 1993. *Infloreszenz-Untersuchungen an Leguminosae-Caesalpinioideae*. Trop. & Subtrop. Pfl.-welt 84: 1–59, illus. (In German, Engl. summ). — Analysis of the variations on a theme with phylogenetic implications.
- TJITROSOEDIRDJO, S. & S.S. TJITROSOEDIRDJO. 1994. *Imperata cylindrica* (L.) Rae-schel Weed Info Sheet 23. — (Gramineae).
- TJITROSOEDIRDJO, S. S. 1991. *The present status and potential of Porophyllum ruderale var. ruderale in Indonesia*. Proc. 13th As. Pac. Weed Sc. Soc. Conf. Jakarta: 225–231, illus. — History, synonymy, description, distribution (Compositae).
- TJITROSOEDIRDJO, S. S. 1992. *Borreria latifolia* (Aubl.) K. Sch. Weed Info Sheet 13: 1–2, illus. — Distribution, description, control (Rubiaceae).
- TJITROSOEDIRDJO, S. S. 1992. *Mimosa pudica* L. Weed Info Sheet 12: 1–2, illus. — Distribution, description, control (Leguminosae).
- TJITROSOEDIRDJO, S. S. 1993. *Paspalum conjugatum* Berg. Weed Info Sheet 19. — (Gramineae).
- TJITROSOEDIRDJO, S. S. 1994. *Scleria bancana* Miq. Weed Info Sheet 24. — (Cyperaceae).
- TJITROSOEDIRDJO, S. S. & E. T. WAHYU. 1994. *Eleusine indica* (L.) Gaertn. Weed Info Sheet 21. — (Gramineae).
- TRISONTI, C. 1993. *Descriptions and keys to the identification of tropical fruit trees*. Bi-trop Sp. Publ. 51: 85–96.
- TSOU, C.-H. 1994. *The classification and evolution of pollen types of Planchonioideae (Lecythidaceae)*. Pl. Syst. Evol. 189: 15–27, illus.
- TSOU, C.-H. 1994. *The embryology, reproductive morphology, and systematics of Lecythidaceae*. Mem. N. Y. Bot. Gard. 71: 1–110, illus. — Restricted to Lecythidoideae and Planchonioideae.
- TUCKER, S.C., A.W. DOUGLAS & H.-X. LIANG. 1993. *Utility of ontogenetic and conventional characters in determining phylogenetic relationships of Saururaceae and Piperaceae (Piperales)*. Syst. Bot. 18: 614–641, illus. — Both families monophyletic.
- TURNER, B.L. & M.G. MENDENHALL. 1993. *A revision of Malvaviscus (Malvaceae)*. Ann. Missouri Bot. Gard. 80: 439–457, illus. — 6 taxa, 2 Malesian; key; synonymy, descriptions, notes.
- TURNER, H. 1993. *New species of Arytera Blume (Sapindaceae) in Malesia*. Blumea 38: 137–144. — 8 species mainly from New Guinea; synonymy of *A. litoralis*.
- TURNER, I.M. 1993. *The names used for Singapore plants since 1900*. Gard. Bull. Singapore 45: 1–287. — Checklist for the 2504 native and introduced ferns and flowering plants of Singapore; 1 new comb. in *Amischotolype* (Commelinaceae); appendices for names without vouchers, excluded names, cultivated taxa, unidentified taxa, index to unpublished Flora of Syonan made during WWII.
- TURNER, I.M. 1994. *The taxonomy and ecology of the vascular plant flora of Singapore: a statistical analysis*. Bot. J. Linn. Soc. 114: 215–227, illus.

- TURNER, I.M., K.S. CHUA & H.T.W. TAN. 1990. *A checklist of the native and naturalized plants of the Republic of Singapore*. J. Sing. Nat. Acad. Sc. 18 & 19: 58–88 (n.v.).
- TURNER, I.M., H.T.W. TAN, K.S. CHUA, H. SAMSURI B.H. AHMAD & Y.C. WEE. 1992. *A botanical survey of Pulau Ubin*. Gard. Bull., Singapore 44: 51–71, illus. — In Republic of Singapore; 332 species.
- TURNER, I.M., H.T.W. TAN, K.S. CHUA, P.T. CHEW & H. SAMSURI B.H. AHMAD. 1993. *A botanical reconnaissance of Pulau Tinggi, Johore*. Mal. Nat. J. 46: 157–168, illus. — Checklists of recent and previous collections.
- TURNER, I.M., H.T.W. TAN, P.P. KUMAR, K.S. CHUA & H. SAMSURI B.H. AHMAD. 1993. *The vegetation of Pulau Sibu, Johore*. Mal. Nat. J. 46: 169–188, illus.
- UMADEVI, I. & M. DANIEL. 1991. *Taxonomy of the Vitaceae – a chemical approach*. Acta Bot. Ind. 19: 168–170, illus. — Family rich in flavonol; Leeaceae distinct; Vitis split in 4.
- VAILLANCOURT, R.E. & N.F. WEEDEN. 1993. *Lack of isozyme similarity between Vigna unguiculata and other species of subgenus Vigna (Leguminosae)*. Canad. J. Bot. 71: 586–591, illus. — No species really close.
- VAILLANTCOURT, R.E., N.F. WEEDEN, A. BRUNEAU & J.J. DOYLE. 1993. *Chloroplast DNA phylogeny of Old World Vigna (Leguminosae)*. Syst. Bot. 18: 642–651, illus.
- VARMA, S.K., et al. 1991. *Chemotaxonomy of genus Paspalum L.* J. Econ. Tax. Bot. 15: 725–727, illus. — Flavonoid pattern supports merger of *P. paspalodes* with *P. vaginatum* auct., i.e. *P. distichum*.
- VÁZQUEZ-YANES, C. & A. OROZCO-SEGOVIA. 1993. *Patterns of seed longevity and germination in the tropical rainforest*. Ann. Rev. Ecol. Syst. 24: 69–87. — Most seeds remain alive for a short time.
- VEGETTI, A.C. 1992. *Contribution to the study of the synflorescence of Themeda Forssk. (Andropogoneae–Poaceae)*. Beitr. Biol. Pfl. 67: 251–258, illus.
- VEGETTI, A. & J. PENSIERO. 1993. *Tipología de la inflorescencia de Panicum sección Panicum (Poaceae: Paniceae)*. Bol. Soc. Argent. Bot. 29: 7–10, illus. (In Spanish, Engl. summ.).
- VELDKAMP, J.F. 1993. *Miscellaneous notes on Southeast Asian Gramineae. VIII. New species in Danthonia*. Blumea 38: 217–219. — 3 new species, 1 new comb.
- VELDKAMP, J.F. 1994. *Deyeuxia stenophylla* and *D. suizanensis* (Gramineae) in Malesia and Taiwan. Taiwania 35: 1–4.
- VELDKAMP, J.F. 1994. *A new variety of Sarcotheca laxa (Oxalidaceae) from Sumatra*. Blumea 38: 459–460. — Key to all varieties.
- VELDKAMP, J.F. 1994. *Poa L. (Gramineae) in Malesia*. Blumea 38: 409–457. — 41 species (10 new), 3 varieties, 4 new comb.; key; synonymy, descriptions, notes; index to collections, names.
- VENKANNA, P. & R.S. RAO. 1992. *Geographical and taxonomic notes on Scyphiphora hydrophyllacea Gaertn.f. (Rubiaceae)*. Bull. Bot. Surv. India 32 ('1990'): 141–144, illus. — Synonymy, description, map.

- VERHEIJ, E. & P.L.A. ERFTEMEIJER. 1993. *Distribution of seagrasses and associated macroalgae in South Sulawesi, Indonesia*. Blumea 38: 45–46, illus. — 11 species of sea grasses discussed.
- VERMA, D.M. & V. CHANDRA. 1992. *The genus Scleria in India*. Bull. Bot. Surv. India 32 ('1990'): 57–79, illus. — 23 species, 3 varieties (2 new); key; synonymy, descriptions.
- VERMEULEN, J.J. 1993. *New species of Bulbophyllum, sections Macrobulbon, Sestochilus and Vesicisepalum (Orchidaceae)*. Blumea 38: 145–155, illus. — 9 species.
- VERMEULEN, J.J. & A. LAMB. 1994. *Notes on Bulbophyllinae (Orchidaceae) from Borneo*. Blumea 38: 335–348, illus. — *Bulbophyllum*: 9 new species; *Trias*: 1, new generic record.
- VERMEULEN, J.J. & P. O'BYRNE. 1993. *Two new species of Bulbophyllum (Orchidaceae) from Papua New Guinea*. Blumea 38: 157–160, illus.
- VEZELY, E.L., L.E. WATSON, J.J. SKVARLA & J.R. ESTES. 1994. *Plesiomorphic and apomorphic pollen structure characteristics of Anthemideae (Asteroideae: Asteraceae)*. Am. J. Bot. 81: 648–657, illus.
- WAN, R.W.M., J. DRANSFIELD & N. MANOKARAN. 1992. *A guide to the cultivation of rattan*. Mal. For. Rec. 35: xxvi, 1–293, illus. — A collection on many aspects of the taxonomy, morphology, ecology, uses, next to the cultivation and processing of rattan (*Palmae*).
- WANG, H. & X. SUN. 1992. *Hydrocharitaceae*. Fl. Reipubl. Pop. Sin. 8: 151–190, illus. — 9 genera, 22 species.
- WANG, X.-R. & A.E. SZMIDT. 1993. *Chloroplast DNA-based phylogeny of Asian Pinus species (Pinaceae)*. Pl. Syst. Evol. 188: 197–211, illus.
- WEBSTER, G.L. 1993. *A provisional synopsis of the sections of the genus Croton (Euphorbiaceae)*. Taxon 42: 793–823. — 40 sections (2 new), 3 subsections, 2 new names; key; synonymy, diagnoses, notes.
- WEBSTER, G.L. 1994. *Classification of the Euphorbiaceae*. Ann. Missouri Bot. Gard. 81: 3–32, illus.
- WEBSTER, G.L. 1994. *Synopsis of the genera and suprageneric taxa of Euphorbiaceae*. Ann. Missouri Bot. Gard. 81: 33–144. — Descriptions, keys to 5 subfamilies, 49 tribes (2 new, 4 new subtribes), 317 genera; 14 new comb.; lectotypifications. A very important survey.
- WEBSTER, R.D. 1992. *Character significance and generic similarities in the Paniceae (Poaceae: Panicoideae)*. Sida 15: 185–213. — Diagnostic descriptions of genera; groupings made and discussed.
- WEBSTER, R.D. 1993. *Nomenclature of Setaria (Poaceae: Paniceae)*. Sida 15: 447–489. — 1009 names, 114 accepted, 628 synonyms, 26 not pertinent, 240 (!) dubious; index. Database available from author: USDA, Systematic Botany & Mycology Building, Bldg. 265, BARC-East, Beltsville MD - 20705, U.S.A.

- WEILLER, C.M., R.K. CROWDEN & J.M. POWELL. 1994. *Morphology and taxonomic significance of leaf epicuticular waxes in the Epacridaceae*. Austr. J. Bot. 7: 125–152, illus. — Of some help in infra-familial groupings.
- WEINER, G. & W. LIESE. 1993. *Morphological characterization of the epidermis of rattan palms*. J. Trop. For. Sc. 6: 197–201, illus. — Differentiation at generic, sometimes specific level (*Palmae*).
- WELZEN, P.C. VAN. 1993. *Malesian Euphorbiaceae Newsl.* 2: 8 pp, illus. — Alphabetic checklist of genera, size, distribution, contributor.
- WELZEN, P.C. VAN. 1993. *The phylogeny of Arthraxon P. Beauv. (Gramineae)*. Rheedia 3: 101–106, illus. — Monophyletic.
- WELZEN, P.C. VAN., R.A. BANKA & C.D. LEONCITO. 1993. *A revision of the Malesian monotypic genus Cheilosa Blume (Euphorbiaceae)*. Blumea 38: 161–166, illus.
- WHIFFIN, T., F.H. IBRAHIM, I. SOERIANEGARA, G.L. ENRIQUEZ & I. UMBOH (Eds.). 1993. *Proceedings of the Symposium of tropical trees for genetic diversity studies*. Biotrop Sp. Publ. 51: viii, 186 pp, illus.
- \* WHITMORE, T.C. & J.A. SAYER (Eds.). 1992. *Tropical deforestation and species extinction*. xix, 153 pp, illus. Chapman & Hall, 2–6 Boundary Row, London SE1 8HN, U.K. ISBN 9-412-45520-X. Price unknown. — T.C. WHITMORE & J.A. SAYER: Deforestation and species extinction in tropical moist forests; A.D. JOHNS: Species conservation in managed tropical forests; W.V. REID: How many species will there be?; D. SIMBERLOFF: Do species-area curves predict extinction in fragmented forest?; V.H. HEYWOOD & S.N. STUART: Species extinction in tropical forests; K.S. BROWN & G.G. BROWN: Habitat alteration and species loss in Brazilian forests; R.J. JOHNS: The influence of deforestation and selective logging operations on plant diversity in Papua New Guinea.
- WHITTAKER, R.J. & B.D. TURNER. 1994. *Dispersal, fruit utilization and seed predation of *Diosyulum gaudichaudianum* in early successional rainforest, Krakatau, Indonesia*. J. Trop. Ecol. 10: 167–181, illus.
- WILDE, W.J.J.O. DE. 1994. *Taxonomic review of Myristica (Myristicaceae) in the Pacific*. Blumea 38: 349–406, illus. — 16 species, 8 infra-specific taxa, 3 new species, 1 subsp., 2 forms; 5 new comb.; key; synonymy, descriptions, notes; index to names, not to specimens.
- WILLIAMS, S.E. 1993. *What are the nearest non-carnivorous relatives of the carnivorous plants?* Carnivorous Pl. News. 21: 31–33. — See also Albert, V., et al. Science 257 (1992) 1491–1495; *Droseraceae close to Plumbaginaceae, Polygonaceae, Nepenthes*.
- WILSON, F.D. 1993. *Hibiscus section Furcaria (Malvaceae) in islands of the Pacific Basin*. Brittonia 45: 375–285, illus. — 7 species, 1 new, 1 new comb.; key, synonymy, descriptions
- WILSON, P.G. 1993. *Thaleropia, a new genus for Metrosideros queenslandica (Myrtaceae) and its allies*. Austr. Syst. Bot. 6: 251–259, illus. — Morphology, key, 3 new comb. (2 for Malesian species), synonymy, descriptions, distributions.

- WILSON, P.G. & R. ROWE. 1994. *The Indigofera trita complex (Fabaceae: Indigofereae) in Australia*. Telopea 5: 637–645, illus. — 3 species; key; descr.
- WONG, K.M. 1993. *Developmental heterophylly in a Bornean rheophytic tree, Syzygium tetragonocladium (Myrtaceae)*. Sandakania 3: 43–47, illus.
- WONG, K.M. 1993. *Four new genera of bamboos (Gramineae: Bambusoideae) from Malesia*. Kew Bull. 48: 619–634, illus. — *Holttumochloa*, *Kinabaluchloa*, *Maclurochloa*, *Soejatmia*: segregates of *Bambusa*.
- WONG, K.M. 1993. *A revision of Bambusa (Gramineae: Bambusoideae) in the Malay Peninsula, with two new species*. Sandakania 3: 17–41, illus. — 9 species; key, synonymy, descriptions.
- WONG, K.M. 1993. *Two new species of Scaevela (Goodeniaceae) endemic to Borneo*. Sandakania 3: 11–16, illus. — Key to Bornean species, descriptions.
- WONG, M. 1990. *Rafflesia hasseltii*. Nat. Mal. 15: 56–59, illus.
- WONG, M. 1992. *Kerr's rafflesia – a rare botanical gem*. Nat. Mal. 17: 124–125, 128–129, illus. — *Rafflesia kerrii* (Rafflesiaceae) on G. Camah, Kelantan.
- WOOD, J.J. & J.B. COMBER. 1993. *A new species of Dendrobium Sw. (Section Formosae) from Sumatra (Orchidaceae)*. Lindleyana 8: 115–117, illus.
- WOOD, J.R.I. 1994. *Nees, Arnott and some forgotten Acanthaceae types from Asia*. Edinburgh J. Bot. 51: 103–115.
- WU, Z. & P. L. 1994. *Pandaceae – A new recorded family from China*. J. South China Agric. Univ. 15: 60–62 (In Chinese, Engl. summ.). — *Microdesmis caseariifolia*.
- XIANG, Q.-Y., D.E. SOLTIS, D.R. MORGAN & P.S. SOLTIS. 1993. *Phylogenetic relationships of Cornus L. sensu lato and putative relatives inferred from rbcL sequence data*. Ann. Missouri Bot. Gard. 80: 723–734, illus. — 4 major lineages: *Cornus*–*Alangium*, *nysoids*–*mastixoids*, *Curtisia*, *hydrangeoids*.
- YE, N.-G., G.-Q. GOU & H.-M. LIAO. 1993. *The seedling types of Gymnosperms and their evolutionary relationships*. Acta Phytotax. Sin. 31: 505–516, illus. (In Chinese, Engl. summ.).
- YING, S., et al. 1993. *Ribosomal DNA variation and its phylogenetic implication in the genus Brachypodium (Poaceae)*. Pl. Syst. Evol. 188: 125–138, illus. — *Brachypodiaceae* supported.
- YONG, H.S. 1992. *Flower of Jasminum bifarium (Oleaceae): a male fruit-fly attractant of the cue lure group*. Nat. Mal. 17: 62–63, illus.
- YOUNG, H.S. 1993. *Flowers of Spathiphyllum cannaefolium (Araceae)*. Nat. Mal. 18: 60–63, illus. — Attracting male Dacinae fruit flies.
- ZALLOCCHI, E.M., A.B. POMILIO & R.A. PALACIOS. 1992. *Estudio quimiotaxonomico de la subtribu Phaseolinae (Phaseoleae-Papilionoideae-Leguminosae). I: Cromatografia de flavonoides de las especies Argentinas del genero Macroptilium*. Darwiniana 31: 299–313, illus. (In Spanish, Engl. summ.). — Two sections corresponding to previous studies.

- ZHANG, D. & T. CHEN. 1994. *Systematics and biogeography of Bauhinia L. (Leguminosae-Caesalpinioideae) I. Cladistic analysis of sect. Lasiobema (Korth.) Benth.* Guihaia 14: 11–17, illus. — Incl. subsect. *Championae*, *Scandentes*, excl. *Pullae*.
- ZHONG, G.-Y. & Y.-M. YE. 1993. *A numerical taxonomic study of Citrus and its close relatives.* Acta Phytotax. Sin. 31: 252–260, illus. (In Chinese, Engl. summ.). — Numerical taxonomy, compared to *Fortunella*, *Poncirus*.
- ZHOU, L. 1992. *Butomaceae.* Fl. Reipubl. Pop. Sin. 8: 146–151, illus. — 3 genera, 3 species.
- ZHOU, L., J. YOU & X. ZHONG. 1992. *Najadaceae.* Fl. Reipubl. Pop. Sin. 8: 102–125, illus. — 3 genera, 11 species.
- ZHOU, L. & X. ZHONG. 1992. *Aponogetonaceae.* Fl. Reipubl. Pop. Sin. 8: 34–36, illus. — 1 species.
- ZHOU, L. & X. ZHONG. 1992. *Pandanaceae.* Fl. Reipubl. Pop. Sin. 8: 12–23, illus. — 2 genera, 7 species.
- ZHOU, L. & X. ZHONG. 1992. *Triuridaceae.* Fl. Reipubl. Pop. Sin. 8: 190–193, illus. — 1 genus, 3 species.
- ZHOU, Z.-K. 1993. *Origin, systematics and distribution of Chloranthaceae.* Acta Bot. Yunn. 15: 321–331, illus. (In Chinese, Engl. summ.).
- ZHUANG, T.-D., Z.-H. PAN & X.-M. YAO. 1994. *Genetic variation and karyotypic evolution of Coix in China.* J. Pl. Res. & Environm. 3/2: 16–21, illus. (In Chinese, Engl. summ.). — 3 species, 4 varieties (*Gramineae*).