

II. PROGRESS IN MALESIAN BOTANY

(continued from Volume 11, page 8)

Algae

Mr. W. VYVERMAN (GENT) is studying the freshwater algae from New Guinea and the limnology of lowland lakes of Papua New Guinea.

Pteridophytes

Drs. C. CHAMBERS & P. FARRANT (NSW) prepared an account of *Blechnum* for the Flora Malesiana.

Mr. D. GLENNY (WELT) continued with his checklist of the ferns of the Solomon Islands.

Dr. M. KATO (TI) has submitted a revision of *Matonia* to Blumea.

Dr. B. PARRIS' revision of *Grammitidaceae* is proceeding at a steady pace. Of the 120 completed descriptions of the family, 58 are Malesian, the others largely Pacific (incl. Australia, New Zealand) and a few African. The family has c. 700 species with about 300 in Malesia.

Gymnosperms

Dr. D.J. DE LAUBENFELS (Syracuse Univ.) has submitted a revision of *Cycas* to Blumea.

After 16 months in P, Dr. T.H. NGUYEN (HN) has finished a revision of the gymnosperms for the Flore du Cambodge-Laos-Viêtname: *Cephalotaxaceae*, *Cupressaceae*, *Cycadaceae*, *Gnetaceae*, *Pinaceae*, *Podocarpaceae*, *Taxaceae*, and *Taxodiaceae*. The publication is expected at the end of 1993, or in the beginning of 1994.

Angiosperms

General — Dr. M.E. BAKKER (L) has obtained her Ph.D. on a study of oil and mucilage cells in dicotyledons. Because of the high quality of her work she has received the Hugo de Vries Award which is given to the best paper in the *Acta Botanica Neerlandica* published by a Ph.D. candidate in the past year.

Acanthaceae — Dr. T.F. DANIEL (CAS) is preparing an account for the Morobe Prov., Papua New Guinea.

Alliaceae — The revision of the family for Malesia by Ms. J.R.M. BUIJSEN (L) will be published in *Flora Malesiana* I, 11/2 this year.

Amaryllidaceae — The revision of the family by Dr. D.J.L. GEERINCK (BR) for Malesia will be published in *Flora Malesiana* I, 11/2 this year.

Annonaceae — Dr. E.C.H. VAN HEUSDEN (L, U) has submitted a revision of the *Meiogyne* complex to Blumea. The genus appears to have 10 species and now includes *Ancana*, *Chieniodendron*, *Guamia*, *Oncodostigma*, and *Polyaulax*. *Haplostichanthus* and *Papualthia* must be united, the result also includes some *Polyalthia* species.

Together with Dr. P.J.A. KEBLER she is writing up the family for the Balikpapan-Samarinda area and has been accepted by *Rheedea*.

Apocynaceae — Dr. D.J. MIDDLETON (TCD) has submitted a revision of *Willughbeia* to *Blumea*.

Araceae — At the *Araceae* Symposium, Moscow 1992, it was suggested that for the revision for the Flora Malesiana the family would be split up into two parts: the taxa with bisexual flowers, and those with unisexual ones. The first group is hoped to be finished by 1996, the second by 1998. Dr. A. HAY (NSW) is co-ordinator.

Collaborators are: Dr. J. BOGNER (M): *Aridarum*, *Bucephalandra*, *Furtadoa*, *Heteroaridarum*, *Hottarum*, *Phymatarum*, *Piptospatha* (p.p.); Mr. P. BOYCE (K): *Amydrium* (p.p.), *Epipremnum* (p.p.), *Hapaline*, *Piptospatha* (p.p.), *Rhaphidophora* (p.p.), *Scindapsus* (p.p.); Dr. A. HAY (NSW): *Aglaodorum*, *Aglaonema*, *Alocasia* (p.p.), *Amydrium* (p.p.), *Colocasia*, *Cyrtosperma*, *Epipremnum* (p.p.), *Holochlamys*, *Homalonema*, *Lasia*, *Pedicellarum* (p.p.), *Pistia*, *Podolasia*, *Pothoidium* (p.p.), *Pothos* (p.p.), *Remusatia*, *Rhaphidophora* (p.p.), *Schismatoglottis*, *Scindapsus* (p.p.), *Spathiphyllum*; Dr. W.L.A. HETTERSCHIED (L): *Amorphophallus*; Dr. N. JACOBSEN (C): *Cryptocoryne*; Dr. J. MURATA (TD): *Arisaema*, *Sauromatum*, *Typhonium*; Dr. D.H. NICOLSON (US): *Anadendrum* (p.p.); Dr. M. SEREBRYANI (MHA): *Alocasia* (p.p.), *Pothos* (p.p.), *Pedicellarum* (p.p.), *Pothoidium* (p.p.); Dr. E.A. WIDJAJA (BO): *Anadendrum* (p.p.).

Dr. R.W.J.M. VAN DER HAM (L) is studying the palynology of *Amorphophallus*.

Araliaceae — Dr. D.G. FRODIN (K) has discovered that *Acanthopanax malayanus* belongs to *Gamblea*.

Bombacaceae — Dr. E. SOEPADMO (KLU) hopes to have finished the family for the Flora Malesiana by the end of 1994.

Coriariaceae — The revision of the family for Malesia by Dr. B.E.E. DUYFJES (L) will be published in *Flora Malesiana* I, 11/2 this year.

Euphorbiaceae — Mr. R.A. BANKA (LAE), Ms. C.D. LEONCITO (MAB, Quezon City), and Dr. P.C. VAN WELZEN (L) have submitted a revision of the monotypic genus *Cheilosa* to *Blumea*.

Dr. P.C. VAN WELZEN is co-ordinator of the revision of the family for the Flora Malesiana. The following persons have joined the Flora Malesiana *Euphorbiaceae* team: Dr. L.Z. AHUMADA (CTESN): *Croton*; Dr. W.S. ARMBRUSTER (ALA): *Dalechampia*; Mr. R.A. BANKA (LAE): *Alchornea*; Mr. J. BRUHL (NE): perhaps *Breynia*, *Leptopus*, *Sauropus*; Dr. L.J. BULALACAO (PNH): *Alchornea*, *Aleurites*, *Cleidion*; Mr. H.-J. ESSER (HBG): perhaps *Excoecaria*, *Homalanthus*, *Sapium*, *Sebastiana*, *Stillingia*; Dr. L.J. GILLESPIE (US): *Cnesmone*, *Megistostigma*, *Omphalea*; Mr. K.M. KOCHUMMEN (KEP): *Elaterspermum*, *Endospermum*, *Fahrenheitsia*, *Pimelodendron*; Dr. G.A. LEVIN (SD): *Acalypha*, *Drypetes*; Ms. M. SASANGGLA (BO): *Galearia*; Dr. R.L. MITRA (CAL): *Phyllanthus*; Ms. S. MURDOYUWONO (BO): *Ptychopyxis*; Dr. N.T. NGUYEN (Hanoi): *Lasiococca*, *Strophoblachia*; Mr. B. PERUMAL (Reading): *Blumeodendron*, *Botryophora*; Ms. A.M. SCHOT (L): *Aporusa*; Dr. R. VAJRAVELU (Orlando, USA): *Euphorbia*; Dr. G.L. WEBSTER (DAV): *Dicoelia*, *Erismanthus*, *Phyllanthus*; Dr. P.C. VAN WELZEN (L): *Chaetocarpus*, *Cheilosa*, *Neoscortechinia*, *Trigonopleura*; Dr. T.C. WHITMORE (Cambridge): *Macaranga*; Ms. R. WIDURI (BO): *Cephalomappa*.

Hernandaceae — Dr. B. E. E. DUYFJES (L) has started with a revision of the family for the Flora Malesiana based on an unfinished manuscript by Dr. K. KUBITZKI.

Leguminosae — The editorial work of fasc. 27 of the Flore du Cambodge-Laos-Viêt-nam: *Desmodieae* by H. OHASHI (TUS) and P. DY PHON (P) is going on and is expected to be finished by mid-1993.

Dr. F. A. C. B. ADEMA (L) has started to revise genera not yet treated for the Flora Malesiana and to edit existing and incoming manuscripts. He envisages that the family description, keys to the genera, and the introductory chapters can be written in 1998.

Dr. C. NIYOMDHAM (BKF) has been invited to spend 2 months at P (June/July 1993) to revise *Dalbergia* for the Flore du Cambodge-Laos-Viêt-nam.

Dr. K. L. PHAN (HNU) spent 3 months at P (October–December, 1992) to revise *Tephrosia*, and to look at *Derris* and *Millettia* for a future revision.

Ms. J. W. A. RIDDER-NUMAN (L) has submitted a revision of *Kunstleria* to Blumea. She is continuing her studies on the phylogeny and biogeography of this genus, *Butea*, and *Spatholobus*.

Ms. A. M. SCHOT (L) has submitted a revision of *Callerya* (incl. *Padbruggea* and *Whitfordiodendron*) to Blumea.

Loranthaceae — Dr. B. A. BARLOW (CANB) has finished a prospectus of *Amylotheca*, *Cyne*, *Decaisnia*, *Lampas*, *Lepeostegeres*, and *Loxanthera* which will be published in Blumea.

Nepenthaceae — Drs. M. CHEEK (K) and M. H. P. JEBB (CRI) have completed manuscripts on the sect. *Paniculatae* and *Regiae*. The genus will be revised on a sectional basis.

Oleaceae — Dr. R. KIEW (UPM) spent a sabbatical at Cambridge (CGB) revising *Jasminum*. She also briefly visited L. There are about 50 species.

Orchidaceae — Mr. J. KRUIZINGA (L) is revising *Bromheadia* sect. *Aporoides* with about 11 species in S. E. Asia.

Dr. J. J. VERMEULEN (L) obtained his Ph. D. on a thesis dealing with a number of sections of *Bulbophyllum* mainly occurring in New Guinea which were subsequently subjected to cladistic and biogeographic analyses. He is now employed by the Department of Dutch and European Plants (L).

Palmae — BRUN is carrying out rattan collecting work in connection with a proposed rattan inventory work in Brunei. A new ex-situ living collection centre has been proposed near the Brunei Forestry Centre.

Mr. J. DOWE, Townsville Botanic Gardens, has started working on a palm flora of the Solomon Islands together with Mr. M. Q. B. M. SIRIKOLO JR. (BSIP).

Dr. F. B. ESSIG (USF) is revising *Heterospathe*.

Mr. Y. F. LEE (SAN) has arrived in ABD to begin his Ph. D. studies on the biology of some Bornean *Calamus* under the direction of Dr. M. SWAINE and Dr. KWITON JONG.

Pentastemonaceae — The revision of the family for Malesia by Dr. B. E. E. DUYFJES (L) will be published in Flora Malesiana I, 11/2 this year.

Rafflesiaceae — Dr. W. MEIJER (KY) has submitted his revision for the Flora Malesiana (hopefully vol. 11/3). A precursor on *Mitrastema* written together with Dr. J.F. VELD-KAMP (L) has been accepted by Blumea.

Rosaceae — The revision of the family for Malesia by Dr. C. KALKMAN (L) will be published in Flora Malesiana I, 11/2 this year.

Mr. S.-Y. ZHANG (formerly at L, now in Nancy, France) has obtained a Ph.D. in Leiden with a thesis on systematic wood anatomy of the family and its relation to ecology, habit, and phenology.

Rubiaceae — Drs. C.R. HUXLEY (FHO) and M.H.P. JEBB (CRI) hope to finish the revision of *Hydnophytum* for New Guinea by the end of 1993.

Dr. D. TIRVENGADUM (P) is continuing a critical revision of the *Gardenieae* from S.E. Asia.

Sapindaceae — Dr. F.A.C.B. ADEMA (L) has prepared generic keys and some introductory chapters for the revision in Flora Malesiana I, 11/3. The manuscript was handed to the editors in March, 1993. Yet, one never is truly finished, for when working up *Jagera* it became necessary to study all species of *Trigonachras*, which resulted in the discovery of an undescribed genus, *Cnesmocarpon*.

Mr. H. TURNER (L) is continuing his studies on *Arytera*.

Stemonaceae — The revision of the family for Malesia by Dr. B.E.E. DUYFJES (L) will be published in Flora Malesiana I, 11/2 this year.

Vitaceae — Dr. A. LATIFF (UKMB) has nearly finished the family for the Flora Malesiana. Precursors are being prepared for publication.

Winteraceae — The treatment by Dr. W. VINK (L) for the Flore de Nouvelle-Calédonie is now in its proof stage.