

II. PROGRESS IN MALESIAN BOTANY

(continued from page 488)

Pteridophytes and allies

Blechnaceae — Dr. T.C. Chambers (NSW) is revising the family.

Polypodiaceae — Dr. H.P. Nootboom (L) has sent his manuscript of the microsoroid taxa to the editors of *Blumea*. He recognizes three genera: *Microsorum* with 48 species, *Leptochilus* with 10 species, and *Podosorus* with one species.

Psilotaceae — Mr. R.J. Chinnock (AD) is revising the family.

Angiosperms

Agavaceae — Mr. J.G. Conran (ADU) is revising the family.

Annonaceae — Dr. P.J.A. Keßler (L) completed the revision of *Alphonsea* (25 taxa) of SE Asia and started with the treatment for the Tree Flora of Sabah and Sarawak; manuscripts are ready for *Anaxagorea* (2 spp.) and *Alphonsea* (4 spp.).

Apocynaceae — Mr. K. Sidiyasa (L) continued his studies on *Alstonia* for a PhD project funded by the Tropenbos Foundation. This genus consists of c. 50 spp., 16 in Malesia.

Araceae — Dr. A. Hay (NSW) is coordinating the treatment of the family.

Mr. W.L.A. Hetterscheid (L) further perfected his *Amorphophallus* data matrix (170 spp., 70 characters) with new data and prepared it for phylogenetic analyses. Analysis of the chemical compounds, composition of the volatiles that are released upon flowering were carried out in cooperation with Dr. G. Kite (Jodrell Laboratory, Kew). Thermographs were prepared on several spp. Chemotaxonomic studies will be carried out by Dr. M. Simmonds (Jodrell Laboratory), and analyses of the chemical reactions that occur at flowering in the spadix by Dr. H. Skubatch (University of Washington, Seattle, USA).

Bromeliaceae — Mr. J.G. Conran (ADU) is revising the family.

Caesalpiniaceae — Mr. A.H.B. Loo (SINU) is writing an account of the Singapore taxa.

Casuarinaceae — Dr. L.A.S. Johnson and K. Wilson (NSW) are cooperating in the treatment of the family.

Commelinaceae — Mr. J.G. Conran (ADU) is coordinating the treatment of the family.

Compositae — Ms. S.S. Tjitjosoedirdjo (BIOTROP) will prepare an account of the family for Sumatra for her PhD thesis at the Institut Pertanian Bogor, Indonesia.

Cucurbitaceae — Dr. W.J.J.O de Wilde and Dr. B.E.E. de Wilde-Duyfjes (L) were able to do some field work in Sumatra, Java, Bali, SW Celebes. Together with Ms. T. Rugayah (BO) progress was made in *Trichosanthes* spp. in Java. In Malaya *Alsomitra clarkei*, known only from the type collection made 100 years ago, was found again.

Cyanastraceae — Mr. J.G. Conran (ADU) is revising the family.

Euphorbiaceae — Dr. S. Dressler (L, now in FR) made a cladistic analysis of a section of *Bridelia*.

Dr. P.J.A. Keßler (L) is developing a database in the ETI-format.

Ms. A.M. Schot (L) continued with her work on *Aporosa*.

Leguminosae-Desmodieae — Mr. L. Pedley (BRI) is working on this tribe.

Phaseoleae — Dr. F.A.C.B. Adema (L) revised several genera and finished his part of this tribe.

Millettieae — Dr. F.A.C.B. Adema (L) started working on this tribe. After revising *Aganope*, *Endosamara* and *Sarcodum* he is now in the middle of the infamous *Pongamia/Millettia*-problem.

Dr. Ding Hou (L) continued to revise *Abrus*, *Sesbania*, and *Vigna*. He prepared illustrations and photographs for the *Caesalpinioideae* for the Flora Malesiana, and proceeded on their treatment for the Tree Flora of Sabah and Sarawak.

Ms. J.W.A. Ridder-Numan (L) hopes to obtain her PhD at Leiden University on the historical biogeography of *Spatholobus* and allies on November 4, 1996.

Myristicaceae — Dr. W.J.J.O. de Wilde (L) prepared the manuscript for the (hopefully) last precursory paper on miscellaneous taxa. The manuscript for the Flora Malesiana is in its final stages.

Myrtaceae — Mr. K. Hill (NSW) continued his studies on Malesian *Eucalyptus*.

Mr. G.P. Guymer (BRI) is assisting in the revision of the family.

Mr. P.G. Wilson (NSW) is coordinator of the network.

Oleaceae — Ms. E. Wallander (Göteborg University, Sweden) is studying the phylogeny of *Fraxinus* for her PhD based on morphology and DNA sequences. She is also looking at the wind pollination mechanisms to see if it is polyphyletic.

Orchidaceae — Dr. E.A. Christenson (NY) together with Mr. A. Schuiteman (L) prepared a synopsis of *Dryadorchis*.

Mr. J. Kruizinga (L) started a revision of *Malleola* (c. 30 spp.).

Mr. Schuiteman (L) largely completed his revision of *Cadetia* (3 sections, c. 35 spp.).

Dr. E.F. de Vogel (L) is coordinator. A plan was developed to publish a CD-ROM with up-to-date information on all c. 6000 SE Asian species. This will bring together data that are now scattered over hundreds of publications and will make available the illustrations present in the vast collections of colour slides, the archive of drawings by J.J. Smith (reproduction nearly completed), and in other sources present in L and in many private collections. Together with Schuiteman a data file is prepared with names, synonyms, distribution, literature, and types.

Dr. De Vogel continues his work on *Coelogyne* sect. *Moniliformes*.

Rosaceae — Dr. C. Kalkman (L) started on a treatment of the family for K. Kubitzki et al., Families and genera of vascular plants.

Rubiaceae — Mr. C.F. Puttock (CANB) is coordinating the treatment of the family.

Rutaceae — Dr. T.G. Hartley (CANB) is continuing his study of the family.

Sapindaceae — A start was made to put the Flora Malesiana treatment into ETI-format for later publication as a CD-ROM, and to develop specimen-based data files for use in the pilot project Preserve and Conserve.

Ms. J.R.M. Buijsen (L) completed the phylogenetic analysis of *Harpullia*.

Ms. E.E.L. Seah (SINU) is writing an account of the Singapore taxa.

Smilacaceae — Mr. J.G. Conran (ADU) is assisting in the revision of the family.

Solanaceae — Dr. D.E. Symon (AD) is continuing his study of the family.

Urticaceae — Dr. B.J. Conn (NSW) is coordinating the treatment of the family.