

III. EXPEDITIONS AND OTHER FIELDWORK

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Malaya

FRIM regularly makes botanical expeditions, which other scientists may join. Please contact Dr. E. SOEPADMO, Department of Botany, University of Malaysia, 59100 - Kuala Lumpur.

K.M. WONG et al. (1988) have given notes on the early exploration and botanical collecting in the Endau-Rompin area of Peninsular Malaysia. (Gard. Bull., Singapore 41: 83-91, 1 map).

Sumatra

Dr. E.A. WIDJAJA (BO) has spent one week each month during 1988 and 1989 in Terbangi (Central Lampung, S. Sumatra) to help set up a bamboo germplasm collection garden in a plantation owned by a private company which manufactures canned vegetable products. The bamboo collection will ultimately occupy some 30 ha and so far ca. 50 native and introduced species, each with more than 20 accession numbers, have been successfully planted. Most are economically important. An experimental plot for research on propagation techniques, fertilization applications, and other sylvicultural methods and plantation sites (ca. 3000 ha) for producing culms and bamboo shoots are being laid out in marginal lands or border areas otherwise unsuitable for growing fruit crops.

Borneo (s. l.)

Kalimantan — Messrs. B. SUNARNO and WARDI (BO) visited the mouth of the Rekut River in connection with the Ulu Barito Project. A total of 483 specimens were collected.

Brunei — Between 28 December 1988 and 10 January 1989 Drs. P.J.A. KEBLER, E.F. DE VOGEL (L), and Mr. K.M. WONG (BRUN) explored the Belait and Ingei River areas, mainly for Annonaceae and Orchidaceae, harvesting 217 numbers.

Mr. WONG climbed Mt. Retak in the last week of January for 140 numbers.

In June he accompanied Drs. J. and S. DRANFIELD, and P.C. BOYCE (K) to Bt. Teraja, Bt. Batu Patam, K. Belalong, Sg. Keriam, Lamunin, Bt. Patoi, and the Badas F. R. collecting over 800 aroids, grasses, and palms, and a lot besides.

Between 29 June and 29 July together with DE VOGEL he went again to K. Belalong, Bt. Patoi, Sg. Liang, the Andalau F. R., and Bt. Belalong for 177 numbers. At the last two localities Mr. C. PUFF (W) was also present (79 numbers).

Between 9 October and 8 November WONG and Messrs. J.B.J. BLEWETT and L.L. FORMAN (K) made 423 general collections at Sg. Liang into the Tutong and Belait Districts, Temburong (incl. Bt. Biang, together with ANGGA, who had collected with Dr. P.S. ASHTON some 30 years previously), and up the Belait River to Melilas. For part of the time (9 October-8 November). Mr. D. SIMPSON (K) was also present (ca. 100 numbers).

The top 4 sets of WONG's collections went to BRUN, K, SING, and L.

Sabah — From 9-15 May 1988 Dr. B.C. TAN (now in FH) and Dr. H.J.M. SIPMAN (B) visited Mt. Kinabalu to study the bryophyte and lichen zonation (see Chapter VII for a preliminary report).

Sarawak — In March 1989 an expedition was organized by KUCH to the Batu Laga Plateau, Kapit Division.

In September 1989 an expedition was made by KUCH to Sungai Entuluh, Kapit Division.

Philippines

Important notice for scientists wanting to make collecting trips: examples of the rules and an application form for a collecting permit are given in the ASBP Comm. 1: 34–40 by Anon. (1987): 'Instruction for foreign scientists intending to collect biological specimens in the Philippines.'

Celebes

Dr. DOROTHY J.B. WHEELER, Bonville (New South Wales), Australia, will be staying at the Faculties of Agriculture, Livestock Husbandry, and Postgraduate Studies of the Universitas Sam Ratulangi, Manado, for three years from July 1990. She has an interest in grasses, legumes, and other forage plants.

New Guinea (s. l.)

Papua New Guinea

In April/May 1988 Messrs. O.G. GIDEON, Y. LELEAN, and S. OBEDI (LAE) made a botanical expedition lasting 4 weeks to Bougainville and Buka, North Solomons Province. They collected 280 herbarium and ca. 100 living specimens.

Between August 1988, and April 1989, Mr. W. TAKEUCHI (BISH) collected for the U. S. Cancer Research Institute mostly in the Morobe Province in collaboration with LAE and WEI.

Mr. K. WINTER (Moreton Arboretum, Illinois, U. S. A.) collected and studied *Rhus* in the Morobe Prov. and Lake Kutubu.

Between February and March, 1989, Dr. F. ESSIG with two of his graduate students (USF) and Mr. H. STREIMANN (CBG) spent two weeks in New Britain.

In May, 1989, Dr. S. ROGSTAD (MO) collected *Polyalthia* along the Upper Sepik River.

Dr. A. GENTRY (MO) made general collections from ecological plots in Madang, Mt. Wilhelm, and near Lae.

An expedition led by Dr. S.H. SOHMER (BISH) was recently (August to October 1989) conducted to the Hunstein River area of East Sepik Province. It was funded by the National Geographic Society. A survey was made to provide information for conservation planning before potential logging of parts of the area begins. Individuals of e.g. BISH, Bulolo, LAE, and WAU participated. Collections will be deposited in LAE, BISH, A, L, WAU, and elsewhere.

Dr. P. GOETGHEBEUR, Ms. K. VAN DER GUCHT, and Ms. E. QUANTEN (GENT) visited between 29 September and 2 November 1989. Due to delays in the application of their visa the date of their departure had to be postponed several times, whereby the true object of their research could not be achieved: a study of the fungi in the transition period between the dry and wet season. Still, ca. 2500 collections of Ascomycetes, Polypores, and Corticiaceae, and 405 of other plants could be made in Laing Island, Boroï and Bupu Rivers, lowland rain forest below 100 m (Lae, Bunapas, Gawan, Labu Swamp), between

100–500 m (Madang, in the Finisterre Range), and in the montane rain forest on the S. slope of Mt. Giluwe (1600–2800 m).

Between 1 October and 4 November 1989 Dr. J.F. VELDKAMP (L), Messrs. M. KUDUK (UPNG), and S. OBEDI (LAE) in cooperation with the P. T. C. of Papua New Guinea made botanical surveys of the summits of Mt. Fala, South of Mt. Victoria (Central Province), e. g. of *Korthalsella papuana* (143 collections in all), Mt. Yule, ca. 85 knots North of Port Moresby (Central Province) (117 collections in all), and Mt. Otto, Northeast of Goroka (Eastern Highlands) (142 collections).

Mr. R. KIAPRANIS (LAE) received a grant from the International Foundation for Science to carry out species diversity studies in Papua New Guinea in cooperation with Dr. A. GENTRY (MO). It is hoped that the raw data collected will give us an insight into species composition and diversity for Papua New Guinea, and to see how they compare with previous guesstimates.