

### III. EXPEDITIONS AND OTHER FIELDWORK

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**Java** — Messrs. H. Wiriadinata (BO) and J. Bennett (OXF) collected 8 species of *Strobilanthus* between 16 and 30 September 1998, in West Java.

Mr. H. Wiriadinata (BO), Dr. W. Meijer (KY), and IPB students made 10 samples of mosses on 28 March 1998, on G. Salak, Curug Nangka.

H. Wiriadinata (BO) visited the Halimun National Parks on several occasions in 1998: between 7 and 17 January 1998, 284 numbers were collected; on 3 and 4 April an additional 10 and on 20 and 21 June again 10; together with Mr. Wardi (BO) more than 300 numbers were obtained between 15 and 30 November.

During a field trip with IPB students on 5 and 6 June 1998, to Cimonyet, Jampang, 50 collections were made.

Mr. T. Uji (BO) collected between 23 February and 12 March 1999 270 species on Mt Halimun.

Ms. L.S. Juswara (BO) visited from July to August 1999 Mt Karang, Mt Pulosari and Mt Aseupan (Banten, West Java), G. Gede and Mt Salak, and Mt Semeru (East Java).

H. Wiriadinata, D. Girmansyah, A. Sadili (BO), S. Hoover, and J. Hunter (American Begonia Society) made more than 2000 collections on Mt Patuha and Mt Salak in February and March 2000.

**Borneo — Sabah** — In 1933, C.E. Carr spent several months collecting orchids and other plants on the slopes of Mt Kinabalu. He used two numbering series simultaneously:

- Singapore Field numbers ranging from *SF 26,251–28,059* for most herbarium samples of orchids and all herbarium samples of other plants.
- Numbers ranging from *3001–3771* for spirit samples of orchids (usually matching a herbarium sample with the same number or with an SF number) and for a small number of herbarium specimens.

The only known document where the two number series are matched is Carr's notebook, which is kept in SING. It also includes extensive colour descriptions and other field observations for all the orchids collected during this trip.

The herbarium specimens were provided with concise labels with some basic information only. The first set is in Singapore Botanic Gardens Herbarium (SING), and other sets have been distributed. Carr processed only a few of his spirit samples, also stored in SING. After his death in 1936 most of his spirit collection fell into neglect. A fair part (some 350 samples) was recovered recently, be it in a rather poor state. Some samples were beyond recognition and have been discarded; all other samples are extremely fragile, but are still recognisable.

Both the notebook and the spirit samples are valuable because they enable a more accurate identification of the herbarium specimens. The notebook has therefore been photocopied, and lists of matching 3000-series numbers and SF numbers have been added for easy reference. Copies have been distributed to herbaria in possession of a set of Carr's herbarium collection from Gunung Kinabalu (BRI, C, K, L, LAE).

The spirit material is available for examination at SING. This is because the material is too fragile to be sent on loan. — J.J. Vermeulen, Herbarium, Singapore Botanic Gardens, Singapore.

**Kalimantan** — Messrs. H. Wiriadinata, Wardah, Sunaryo, and A. Sujadi (BO) went to the Sungai Kahayan in East Kalimantan (22 July–9 August 1999). 150 numbers of herbarium specimens, 10 simplicia for chemical analysis, and 13 artifacts for Ethnobotany were collected.

Simultaneously 150 collection numbers and 50 artifacts were gathered in Central Kalimantan, Kuala Kurun, Bukit Karung (S. Sirat).

Ms. A. Hidayat and S. Susiarti, and Messrs. D.S.H. Hoesen and A. Agusta (BO) went to East Kalimantan (4–24 August 1999) and obtained 119 numbers of herbarium specimens, 22 simplicia, and 9 artifacts were obtained.

Ms. F.I. Windadri (BO) made a survey of lichens and mosses between 17 March and 4 April 2000. 235 specimens of lichens and 203 of Bryophytes were collected.

**Sulawesi** — Messrs. H. Wiriadinata (BO) and S. Hoover found 12 species of *Begonia* in Malino, Mamasa, and Rantepao in S Sulawesi, between 28 February and 15 March 1998.

**New Guinea — Papua Barat** — Mr. T. Uji (BO) between 18 June and 8 July 1999, collected 215 plant species in the Cagar Alam Supiori (in Biak-Numfor District).

Mr. H. Wiriadinata (BO) between 11 and 19 November 1999 gathered 30 samples of subalpine mosses at the Grasberg, Freeport.

**Papua New Guinea** — Takeuchi, W. 1999. *Botanical results from the 1995 Bismarck-Ramu expedition in Papua New Guinea*. Sida 18: 751–782, illus.