

ADDITIONS TO THE CHECKLIST OF FLOWERING PLANTS OF TAWAU HILLS PARK, SABAH

John H. Beaman and Reed S. Beaman

ABSTRACT

A list is provided of 32 additional taxa of flowering plants collected in Tawau Hills Park, not reported by Latiff et al. in the preceding paper. Five families are listed that are not included in their list. Only four angiosperms and one gymnosperm collected by us are also reported by Latiff et al. Also included here are five families of pteridophytes with seven species. Fifteen incompletely determined collections are listed.

INTRODUCTION

These collections represent for the most part taxa not obtained by Prof. Latiff *et al.*, as enumerated in the preceding chapter, and are therefore listed here. Our collections include one gymnosperm and 26 families and 38 determined taxa of flowering plants. We also obtained 14 specimens in 12 genera that remain undetermined to species and one undetermined to genus. These collections include five families and 32 species of flowering plants not collected by Latiff *et al.* We also collected seven pteridophyte species in five families, which represent the rest of our vascular plant collections from Tawau Hills Park.

Only one gymnosperm and four angiosperm species we collected were obtained also by Prof. Latiff *et al.* The limited overlap in their collections and ours may have resulted in part from the different collecting times. More species common to both collections may also be found when the Expedition collections and ours are more completely identified. However, it is likely that the difference in the two collections principally reflects the great richness of this tropical flora. It is probable that further expeditions will add many more species to those presently known from the area.

It should be noted that our list includes three orchids and one ginger not reported by Latiff *et al.* that were otherwise obtained during the Expedition (see the chapters by Lim Weng Hee and Halijah Ibrahim). Additionally, we obtained a dipterocarp species not reported by Julius Kulip (this volume).

CHECKLIST

PTERIDOPHYTES**ASPLENIACEAE**

Asplenium klossii C. Chr.

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100-120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10198.

DENNSTAEDTIACEAE

Lindsaea repvns (Bory) Thwaites var. *sessilis* (Copel.) Kramer

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100-120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10200.

LYCOPODIACEAE

Huperzia phlegmaria (L.) Rothm. s.l.

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100- 120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10203.

Huperzia squarrosa (G. Forster) Trevis.

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100-120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10201.

POLYPODIACEAE

Lepisorus longifolius (Blume) Holttum

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100-120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10219.

Pyrrhosia lanceolata (L.) Farw.

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100-120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10193.

VITTARIACEAE

Antrophyum reticulatum (Forster) Kaulf.

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100-120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10194.

GYMNOSPERM

GNETACEAE

Gnetum neglectum Blume

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100-120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10208.

ANGIOSPERMS

ACANTHACEAE

Staurogyne setigera (Nees) Kuntze var. *grandis* Bremek.

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100- 120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10217.

Genus undetermined

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100-120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10215.

ACTINIDIACEAE

Saurauia euryphylla Airy Shaw

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100-120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10220.

ANNONACEAE

Goniothalamus gigantifolius Merr.

Tawau Hills Park near headquarters camp. Elev. 300-400m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10177.

ARACEAE

Aglaonema simplex Blume

Floodplain of Tawau River, Tawau Hills Park near headquarters camp-Elev. 100-120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10212.

BEGONIACEAE

Begonia sp. 21

Tawau Hills Park near headquarters camp. Elev. 300-400m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10171.

Begonia sp. 24

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100-120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10207.

COMMELINACEAE*Amischotolype* cf. *griffithii* (C.B. Clarke) Faden, ined.

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100-120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10211.

Amischotolype aff. *marginata* (Blume) Hassk.

Floodplain of Tawau River, Tawau Hills Park near headquarters camp-Elev. 100- 120m. J.H. Beaman, R. S. Beaman, T.E. Beaman & P. Decker 10210.

Pollia thyrsoiflora (Blume) Hassk.

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100- 120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10182.

DICHAPETALACEAE*Dichapetalum gelonioides* Engler subsp. *tuberculatum* Leenh.

Tawau Hills Park near headquarters camp. Elev. 300-400m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10168.

DILLENACEAE*Dillenia suffruticosa* (Griffith) Martelli

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100- 120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10180.

DIPTEROCARPACEAE*Dipterocarpus humeralus* Slooten

Tawau Hills Park near headquarters camp. Elev. 300-400m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10162.

FAGACEAE*Lithocarpus niewenhuisii* (Seemen) A. Camus

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100- 120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10195.

GESNERIACEAE*Cyrtandra angularis* Elmer

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100- 120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10218.

Cyrtandra basicflora C.B. Clarke

Tawau Hills Park near headquarters camp. Elev, 300-400m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10174.

Cyrtandra aff. *radiciflora* C.B. Clarke

Tawau Hills Park near headquarters camp. Elev. 300-400m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10172.

Cyrtandra aff. *wasburgiana* Lauterb.

Tawau Hills Park near headquarters camp. Elev. 300-400m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10173.

LAURACEAE*Litsea sessilis* (Blume) Boerl.

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100-120m, J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10196.

Litsea unita (Blume) Boerl.

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100-120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10183.

Litsea sp.

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100-120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10202.

LEEACEAE*Leea aculeata* Blume ex Spreng.

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100-120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10181.

MELASTOMATACEAE*Sonerila* sp.

Tawau Hills Park near headquarters camp. Elev. 300-400m. J.H. Beaman, R. S. Beaman,

T.E. Beaman & P. Decker 10 165.

MELIACEAE

Aglaia elliptica Blume

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100-120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10205.

Aglaia odoratissima Blume

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100- 120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10187.

Aglaia sp.

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100-120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10214.

MORACEAE

Ficus sundaica Blume

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100-120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10191.

MYRISTICACEAE

Knema sp.

Tawau Hills Park near headquarters camp. Elev. 300-400m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10161.

MYRSINACEAE

Ardisia breviramea Merr.

Tawau Hills Park near headquarters camp. Elev. 300-400m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10178.

Ardisia sp.

Tawau Hills Park near headquarters camp. Elev. 300-400m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10166.

ORCHIDACEAE

Appendicula pendula Blume

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100-120m. J.H.

Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10216.

Bulbophyllum flavescens (Blume) Lindl.

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100-120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10185.

Liparis wrayii Hook. f.

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100-120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10184.

Tropidia pedunculata Blume

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100-120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10209.

PIPERACEAE

Piper sp.

Floodplain of Tawau River, Tawau Hills Park near headquarters camp.
Elev. 100- 120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10188.

Piper sp.

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100- 120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10197.

RUBIACEAE

Acranthera velutinervia Bremek. ?

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100- 120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10190.

Chassalia curviflora (Wallich) Thwaites

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100- 120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10192.

Ixora sp.

Tawau Hills Park near headquarters camp. Elev. 300-400m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10176.

Lasianthus inaequalis Blume

Tawau Hills Park near headquarters camp. Elev. 300-400m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10163.

Myriodendron sp.

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100- 120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10186.

Myrmeconuclea strigosa (Korth.) Merr.

Tawau Hills Park near headquarters camp. Elev. 300-400m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10164.

Pavetta axillaris Bremek.

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100-120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10199

Psychotria sp. ?

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100-120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10213.

Urophyllum congestiflorum Ridley ?

Tawau Hills Park near headquarters camp. Elev. 300-400m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10175.

Urophyllum sp.

Tawau Hills Park near headquarters camp. Elev. 300-400m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10170.

Urophyllum sp. ?

Tawau Hills Park near headquarters camp. Elev. 300-400m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10167.

SABIACEAE*Meliosma sumatrana* (Jack) Walp.

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100- 120m. J.H. Beaman, R. S. Beaman, T.E. Beaman & P. Decker 10119. Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100-120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10221.

SOLANACEAE*Lycianthes biflora* (Lour.) Bitter

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100-120m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10206.

VERBENACEAE

Callicarpa sp.

Floodplain of Tawau River, Tawau Hills Park near headquarters camp. Elev. 100-120m. J.H. Beaman, R. S. Beaman, T.E. Beaman & P. Decker 10204.

VITACEAE

Pterisanthes sp.

Tawau Hills Park near headquarters camp. Elev. 300-400m. J.H. Beaman, R. S. Beaman, T.E. Beaman & P. Decker 10 179.

ZINGIBERACEAE

Boesenbergia pulchella Ridley

Tawau Hills Park near headquarters camp. Elev. 300-400m. J.H. Beaman, R.S. Beaman, T.E. Beaman & P. Decker 10169.

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