

NEW RECORDS OF ODONATA FOR WEST MALAYSIA

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Abstract – An annotated list, updating M.A. LIEFTINCK's summary of the West Malaysian fauna (1954, *Treubia* 22 Suppl.: viii+202 pp.), is presented of 24 spp. and sspp. Among these, 15 taxa are new records for Peninsular Malaysia. The majority of the records are taken from a collec-

tion made by the late Dr M.A. Lieftinck himself during his visit to Malaysia (Feb.-Apr., 1963).

Introduction

Examination of the odonate specimens available in the Leiden National Museum of Natural History (RMNH) has revealed several records that update the West Malaysia checklist. The *Handlist of Malaysian Odonata* (LIEFTINCK, 1954) is the basic and essential reference for this region. Other reports on odonate species, especially from West Malaysia, include BROOKS (1981), KEMP & KEMP (1989), KEMP (1989), VICK (1993), KEMP (1994), KARUBE (1994), YONG & HÄMÄLÄINEN (1994) and NORMA-RASHID (1995). Further reports on the region will undoubtedly continue.

GEIJSKES (1984) reported on Lieftinck's visit to West Malaysia. From the documents and itinerary related to this visit in the archives of the Leiden Museum, we traced the date of the trip to have been 12 February to 21 April 1963. Most of the species, additional to Lieftinck's list that we mention here, are the result of this visit, from which LIEFTINCK (1964, 1965a, 1965b, 1971) described new species, while the rest were brought to our notice during examination of specimens in the collection, either pertaining to this trip, or deposited by other researchers. Collector's names are only inserted for material that was not collected by Lieftinck.

Except for *Ceriagrion chaoi* and *C. fallax pendleburyi*, which were identified by Dr S. Asahina, and two specimens of *Archibasis rebecca*, all others were identified by Lieftinck.

Annotated list

CALOPTERYGIDAE

– *Vestalis amethystina* Lieft.: as published by LIEFTINCK (1965)

COENAGRIONIDAE

– *Ceriagrion chaoi* Schmidt: as published by ASAHINA (1967), cf. also YONG & HÄMÄLÄINEN (1994)

– *C. fallax pendleburyi* Laidl.: 2 ♂, 1 ♀, Cameron Highlands, Blue Valley Road, 9-III-1963

– *Pseudagrion perfuscatum* Lieft.: 1 ♂, Penang, Batu Feringgi, 25-II-1963; – 1 ♂, Ipoh, Sg. Raia, 4-III-1963; – a pair ♂ ♀, Ulu Gombak, 16/17-III-1963; – 1 ♂, S. Johore, 10-IV-1963

– *Archibasis incisura* Lieft.: A pair ♂ ♀, Selangor, Klang area, 3rd mile (peat stream), 7-IV-1963

– *A. rebecca* Kemp: 1 ♂, S. Johore, 16-IV-1963 (paratype as published by KEMP, 1989)

PLATYSTICTIDAE

– *Drepanosticta marsyas* Lieft.: as published by LIEFTINCK (1965)

GOMPHIDAE

– *Ictinogomphus acutus* (Laidl.): 1 ♂, Pahang, Tasek Bera, 23-III-1963

– *Gomphidia maclachlani* (Sel.): 1 ♂, S. Johore, Pontian Kechil (peaty stream), 18-IV-1963

– *Microgomphus* sp. [undescribed]: 2 exuviae, Selangor, Klang Gates (up stream), 2-IV-1963

– *Macrogomphus decemlineatus* (Sel.): 1 ♂, Pahang, Tasek Bera, 28-IX-1961, leg. H.T. Pagden

– *M. parallelogramma albardae* (Sel.): 1 ♂, S. Johore, Sg. Mapor, Mawai Road, 17-IV-1963

– *M. quadratus* (Sel.): 1 exuviae, Selangor, Klang gates (up stream), 2-IV-1963

– *Merogomphus parvus* (Krüger): 1 ♂ and exuviae, C. Perak, Plus River (bamboo groove), 7-III-1963; – 1 ♂, Selangor, Klang Gates (up stream), 2-IV-1963

– *Burmagomphus plagiatus* Lieft.: as published by LIEFTINCK (1964)

– *B. divaricatus* Lieft.: as published by LIEFTINCK (1964)

– *Onychogomphus fruhstorferi* Lieft.: 6 exuviae, Selangor, Ulu Gombak, 16,17-III-1963; – 7 exuviae, Selangor, Ulu Langat, Dusun Tua, 22-III-1963; – 7 exuviae, Pahang, Sg. Tangli, 6-IV-1963; – 1 exuviae, Pahang, Sg. Tangli, 15-V-1963, J. Furtado leg.; – 1 exuviae, Selangor, Sg. Gombak, 22-V-1963, J. Furtado, leg.; – 1 exuviae, Pahang, Sg. Tangli, 15-VI-1963, J. Furtado leg.; – 1 exuviae, Selangor, Sg. Gombak, 22-VI-1963, J. Furtado, leg. – (Note: although the material available in the Leiden Museum is exclusively exuviae, it is evident from the letters in the archives that Lieftinck had identified both the exuviae and corresponding imago sent by Dr J. Furtado from Malaysia)

– *O. thienemanni* Schmidt: 1 exuviae, Ulu Langat, Dusun Tua, 22-III-1963; – 1 exuviae, Selangor, Templer Park, 23-III-1963; – 1 exuviae, Klang Gates, 2-IV-1963; – 1 ♂ and exuviae, Sg. Gombak, 22-V-1963, J. Furtado, leg

- *O. walli* Fraser: 1 ♂, 1 ♀, Sg. Gombak area, 6-IV-1963; - 1 exuviae, Sg. Tangli, 15-V-1963, J. Furtado leg.; - 1 exuviae, Sg. Gombak, 22-V-1963, J. Furtado, leg.; - 1 ♂, Kelantan, Sg. Nengiri, 31-VII-1963, J. Furtado, leg.; - 1 ♂, Cameron Highlands, Road 16th mile, 18-II-1964

- *Phaenandrogomphus asthenes* Lieft.: as published by LIEFTINCK (1964)

CORDULIIDAE

- *Macromia arachnomima* Lieft.: as published by LIEFTINCK (1971)

- *Procordulia artemis* Lieft.: 1 ♂, Cameron Highlands, Mt Batu Berincang, 12-III-1963

LIBELLULIDAE

- *Hylaeothemis clementia* Ris: 2 ♂, Selangor, Templer Park, 12-13th mile, 11-IV-1963

- *Orthemtrum pruinosum schneideri* Foerst.: 1 ♂, Selangor, Kepong Forest Research Institute, 24-III-1963; - 1 ♂, Selangor, Genting Simpah, 5-IV-1963. - (Note: the status of this subspecies is still unclear as LIEFTINCK, 1954, placed Malaysian specimens under *O. p. neglectum*)

Discussion

This note provides 24 additional names to the list prepared by LIEFTINCK (1954). BROOKS (1981) reported on 3 of the species named in our list, viz. *V. amethystina*, *M. quadratus* and *H. clementia*. Records of a further 8 species published elsewhere are as follows. KEMP (1989) reported on *Lestes dorothea* and *Prodasineura autumnalis*; VICK (1993) *Nepogomphus modestus* and *Mortonagrion aborense*, both from Fraser's Hill, and KARUBE (1994) reported *Chlorogomphus arooni* from the Cameroon Highlands.

In addition, several new species have been described. KARUBE (1990) described *Asiagomphus xanthenatus*, from Fraser's Hill. New species from

the Cameroon Highlands were *Drepanosticta berinchangensis* (KEMP, 1994) and *Chlorogomphus yoshihiro* (KARUBE, 1994). It is interesting to note that a number of new species and records were published from the two popular Malaysian hill resorts.

Acknowledgements - The first author wishes to acknowledge Dr JAN KRIKKEN for his invaluable help in providing a conducive environment for work during her stay at Leiden Museum. Encouragement and interesting discussions with Professor and Mrs BASTIAAN KIAUTA are very much appreciated. She would especially like to thank Mr JAN VAN TOL and Ms STANS KOFMAN for making her stay in the Netherlands both pleasurable and memorable.

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Received November 28, 1994