

A NOTE ON THE ODONATA OF THE CHIANG MAI VALLEY, NORTHERN THAILAND

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Abstract — 18 spp., including the rare *Orolestes octomaculata* Martin, pertaining to 6 families, are brought on record. *Bradinyga geminata* (Ramb.) has not been previously reported from Thailand.

Introduction

Due to its topographic position between the montane zone of the Burmese border and the Thai lowlands, the fauna of the Chiang Mai Valley is amazingly rich and varied. This holds true also for the Odonata, of which some 50 species have been so far recorded from the surroundings of the city of Chiang Mai (FRASER, 1927, 1932a; CHŪJŌ, 1941;

ASAHINA, 1961, 1964a, 1964b, 1966, 1967; NAKAO, ASAHINA et al., 1976).

The taxonomic work on Odonata has been initiated in the Department of Entomology, Chiang Mai University, upon the suggestion and encouragement of Prof. Dr. B. Kiauta, University of Utrecht, on the occasion of his visit to the Department (April, 1979).

The material listed in the present note has been collected in the period, July, 1978 - June 1979, and is deposited in the collections of the Department. In all, 18 species have been identified from various localities of the valley, among which one appears to be new to the fauna of Thailand. Some material of the



Fig. 1. Collecting *Rhinocypha* larvae in the Fai Hin stream near Chiang Mai, April 4, 1979. (The collectors are Mr. Singh Chaiwan and Mr. Adisorn Wongchai).

genera *Anax*, *Brachydiplax*, *Caconeura*, *Ceragrion*, *Dysphaea*, *Ictinogomphus* and *Rhinocypha* has remained unidentified.

List of species

Lestidae: *Orolestes octomaculata* Martin (Hoey Kaw, June 1979).

Chlorocyphidae: *Rhinocypha fenestrella* Ramb. (Hoey Kaw, May 1979).

Calopterygidae: *Neurobasis c. chinensis* (L.) (Hoey Kaw, June 1979, — *Vestalis g. gracilis* (Ramb.) (Hoey Kaw, June 1979).

Gomphidae: *Ictinogomphus decoratus melaenops* (Sel.) (Hoey Kaw, Feb. 1979).

Macropteriidae: *Epophthalmia frontalis* Sel. (Hoey Kaw, Sept. 1978).

Libellulidae: *Bradinopyga geminata* (Ramb.) (Chang Khian, June 1979), *Crocothemis servilia* (Dr.) (Chang Khian, June 1979), *Neurothemis fulvia* (Dr.) (Fai Hin, June 1979), *Onychothemis tonkinensis* Martin (Fai Hin, June 1979), *Orthetrum glaucum* (Br.) (Chang Khian, June 1979), *O. sabina* (Dr.) (Chang Khian, June 1979), *Rhyothemis p. phylis* (Sulz.) (Fai Hin, June 1979), — *R. plutonia* Sel. (Hoey Kaw, June 1979), — *R. v. variegata* (L.) (Fai Hin, Sept. 1978), — *Trithemis aurora* (Burm.) (Fai Hin, June 1979), *Urothemis s. signata* (Burm.) (Fai Hin, June 1979), — *Zygonyx iris malayana* Laidlaw (Hoey Kaw, Dec. 1978).

Discussion

In spite of the relatively small material, the collection includes a number of faunistically interesting taxa. Among these, *Bradinopyga geminata* appears to be new for the Thai fauna. *Zygonyx iris malayana* is also for the first time recorded from the Thai territory, though the nominate form has been listed (from Mt. Sutepp) by CHÛJÔ (1941). Of particular interest is the record of *Orolestes octomaculata*. The species has been described from Cambodia (taken about the year 1890), and it took four decades before another male was captured (Nov. 10, 1931, Tung Luang, Petchaburi; FRASER 1932b). Our record is thus the second Thai record of this rare species. *Onychothemis tonkinensis*, *Orthetrum glaucum* and *Epophthalmia frontalis* have not been previously reported from the city area of Chiang Mai.

A more extensive account on the odonate fauna of the Chiang Mai Valley is in preparation.

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