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**Mayflies of Thailand**

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## Mayflies of Thailand

Masuzo UÉNO\*

A small collection of mayflies (Ephemeroptera) which consisted of eleven specimens was made by the Osaka City University Biological Expedition to Southeast Asia 1957-58. They belong to the following five species under four genera, though one ecdyonurid is yet undetermined.

### 1. POLYMITARCIDAE

1. *Polymitarcys indicus* PICTET

1 ♀ imago, Chieng Mai, 12 Dec. 1957, coll. by H. Ikoma.

Body 7.5 mm., wing 11 mm. long.

### 2. CAENIDAE

2. *Caenis nigropunctata* KĹAPÁĹEK

1 ♂ imago, Chieng Mai, 4 Feb. 1958, coll. by H. Ikoma.

Body 3.5 mm., wing 2.5 mm. long.

### 3. BAÉTIDAE

3. *Cloéon marginale* HAGEN

1 ♀ imago, Bangkok, 18 Dec. 1957, coll. by T. Umesao; 1 ♀ subimago, Chieng Mai, 8 Feb. 1958, coll. by H. Ikoma; 1 ♀ subimago, 23 Jan. 1958, coll. by H. Ikoma; 1 ♂ imago, Chieng Mai, 20 Jan. 1958, coll. by H. Ikoma. Body length of imago, ♂ 5.5 mm., ♀ 5 mm. (Bangkok specimen), wing 6 mm.

4. *Cloéon bimaculatum* EATON

1 ♂ imago, Chieng Mai, 11 Feb. 1958, coll. by H. Ikoma.

### 4. ECDYONURIDAE

5. *Afronurus* sp.

1 ♂ imago, 5 Jan. 1958, Doi Inthanon, coll. by T. Umesao.

Body 6 mm., wing 7 mm.

These species are all the elements of tropical Asia (the Oriental Region), i. e. India, Malay Peninsula, southern China, and their associated continental

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islands, such as Sumatra, Java, Bali, Borneo and Ceylon. The Philippines and Formosa are also included. *Afronurus*, though its species yet undetermined, is known from Java and the Philippines. So far as the present collection is concerned, the mayfly fauna of Thailand seems to be composed of the species, whose ranges of distribution are restricted to the Oriental Region, and includes no Palaearctic species.

All the five species listed above were collected in the winter months, from December to February. The emergences of these species, especially of *Cloëon marginale*, *C. bimaculata*, and *Caenis nigropunctata* occur in these districts nearly all the year round. *Polymitarcys indicus* is recorded as occurring in both January and July, but it may also emerge in every month of the year, as known from the Chiang Mai specimen obtained in December.

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