



Discovery of the genus *Eoneureclipsis* Kimmins (Trichoptera: Psychomyiidae) from Japan

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Abstract

Four new species of *Eoneureclipsis* (Trichoptera: Psychomyiidae) are described from Japan: *E. montanus* n. sp., *E. shikokuensis* n. sp., *E. okinawaensis* n. sp. and *E. yaeyamaensis* n. sp. Illustrations of male wing venation and genitalia of both sexes are provided. A distribution map is also presented for the 4 species.

Key words: Trichoptera, Psychomyiidae, *Eoneureclipsis*, new species, Japan

Introduction

The genus *Eoneureclipsis* was erected by Kimmins (1955) for *Eoneureclipsis limax* Kimmins, 1955, in the Family Polycentropodidae. Later, Schmid (1972) transferred this genus to the Family Psychomyiidae on the basis of characters of the tibial spurs, wing venation, maxillary palpi, and genitalia. Ten species of *Eoneureclipsis* are recognized from India and Southeast Asia; Malaysia, Myanmar, Thailand, Vietnam (Malicky and Chantaramongkol 1989, Malicky 1995, Malicky and Chantaramongkol 1997, Malicky *et al.* 2004, Malicky 2009, Thamsenanupap *et al.* 2005).

In the course of trichopteran surveys in Japanese rivers, males and females belonging to *Eoneureclipsis* were found by the authors and colleagues. Our close examination of the genitalia revealed 4 undescribed species. In this paper we describe and illustrate the males and females of the new species of *Eoneureclipsis* from Japan.

Materials and methods

All specimens were collected from Japan (Ibaraki, Shizuoka, Mie, Aichi, Tokushima, Kochi and Okinawa Prefectures). Specimens were collected by light traps, Malaise traps (1.7 m wide, 1.8 m height, 1 mm mesh) and sweeping. The illustrations of genitalia are made from specimens prepared for examination by clearing their abdomens in a solution of KOH. Terminology mainly follows Kimmins (1955) and Schmid (1972) for adult males, and Schmid (1972) for adult females. The type specimens are deposited in the collections of the Natural History Museum and Institute, Chiba (CBM).