



A revision of the genus *Gondwanoscurus* Jezek (Diptera: Psychodidae)

GREGORY R. CURLER

Department of Entomology and Plant Pathology, 2431 Joe Johnson Drive, 205 Ellington Plant Sciences Bldg., The University of Tennessee, Knoxville, Tennessee 37996-4560, USA. E-mail: gcurler@utk.edu.

Abstract

Gondwanoscurus Jezek (Psychodidae: Psychodinae) is revised to include seven species. *Gondwanoscurus cruciferus* **sp. nov.** and *G. ornithostylus* **sp. nov.** from Thailand are described. Three described species are transferred from *Telmatoscopus* Eaton to *Gondwanoscurus*: *G. ejundicus* (Quate), *G. eximius* (Quate) and *G. praecipuus* (Quate). The adult male and female of *G. ejundicus* and *G. mcclurei* (Quate) and the adult male of *G. eximius* and *G. praecipuus* are redescribed. Keys to adult males of the seven known species and females of the four species for which they are known are provided, and the relationship of *Gondwanoscurus* to other Paramormiine genera is discussed.

Key Words: Psychodidae, Oriental, new species, Thailand

Introduction

Little attention has been given to the Oriental moth fly (Psychodidae: Psychodinae) fauna since the works of Satchell (1958), Quate (1962a, 1962b, 1965) and Jezek (2001, 2004). Duckhouse (1973, 2004) suggested that Psychodidae, in particular subfamily Psychodinae, is represented in the Oriental region by a large number of species, most of which are undescribed. Jezek (2001) underscored this suggestion, pointing out that many undescribed Psychodinae are concentrated in the tropics, and many are "in conflict with existing classifications". Furthermore, many species of Oriental Psychodinae were originally described in the genus *Telmatoscopus* Eaton, and are currently considered "unplaced species of *Telmatoscopus*" (Duckhouse, 1973), indicating that their generic affinities do not lie with *Telmatoscopus* s.s., but rather, another described or undescribed genus.

Jezek (2001) described the genus *Gondwanoscurus* to include one new species, *G. malaysiensis* Jezek, and one described species, *G. mcclurei* (Quate), from Malaysia (Federation of Malaya). Recent collections of Psychodinae from Thailand contain many undescribed species, including two new species of *Gondwanoscurus*. In this paper, *Gondwanoscurus* is revised to include two new species from Thailand and three described species from North Borneo (Malaysia, Sabah). A revised generic description is given, keys to adult males of the seven known species and females of the four species for which they are known are provided, and the relationship of *Gondwanoscurus* to other Paramormiine genera is discussed.

Material and methods

Material. This research is based on an examination of adult males and females of *Gondwanoscurus cruciferus* **sp. nov.**, *G. ornithostylus* **sp. nov.**, *G. ejundicus* and *G. mcclurei*, and males of *G. eximius* and *G. praecipuus*. Specimens of the former two were collected in Thailand during 2006 and 2007 by Malaise traps operated by the Thailand Inventory Group for Entomological Resources (TIGER) project, headed by M.