

New species of *Asyndetus* Loew (Diptera: Dolichopodidae) from Xinjiang, with a key to Central Asian species

MENGQING WANG & DING YANG*

Department of Entomology, China Agricultural University, Beijing 100094, China.

E-mail: dyangcau@yahoo.com.cn

*corresponding author

Abstract

The genus *Asyndetus* Loew is recorded from Xinjiang for the first time. The following three species are described and illustrated: *Asyndetus lii* sp. nov., *A. wusuensis* sp. nov. and *A. xinjiangensis* sp. nov. A key to species of *Asyndetus* Loew from Central Asia is presented.

Key words: Diptera, Dolichopodidae, *Asyndetus*, Xinjiang, China, Central Asia, new species

Introduction

The genus *Asyndetus* Loew, 1869 belongs to the subfamily Diaphorinae. It is distributed worldwide with about 80 known species. There are 14 species known from the Palaearctic Region (Negrobov, 1991), 11 from the Oriental (Grootaert and Meuffels, 2002; Meuffels and Grootaert, 1993) and 2 from the Australian (Bickel, 1996). So far the following 7 species have been known from China (Becker, 1922; Negrobov, 1973; Parent, 1926; Zhang and Yang, 2003): *A. beijingensis* Zhang et Yang, 2003; *A. calcaratus* Becker, 1922; *A. guangxiensis* Zhang et Yang, 2003; *A. latifrons* (Loew, 1857); *A. longicornis* Negrobov, 1973; *A. mutatus* Becker, 1922; *A. perpulvillatus* Parent, 1926.

Xinjiang lies in the northwest of China. It is bordered with Mongolia and Kazakhstan and belongs to the Palaearctic Region. Here the genus *Asyndetus* is reported from Xinjiang with 3 species, and a key of *Asyndetus* species from Central Asia is presented.

Materials and Methods

The specimens on which this study were collected by Mr. Afu Tian in 1959 and Mr. Chunpei Hong in 1957 from Xinjiang with sweep nets and deposited in Entomological Museum of China Agricultural University (CAU), Beijing.