



Notes on the *Neurigona* Rondani (Diptera: Dolichopodidae) from Chinese Mainland

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Abstract

The following seven new species of the genus *Neurigona* are described and illustrated: *Neurigona guangdongensis* Wang, Yang and Grootaert **sp. nov.**, *N. guizhouensis* Wang, Yang and Grootaert, **sp. nov.**, *N. henana* Wang, Yang and Grootaert, **sp. nov.**, *N. jiangsuensis* Wang, Yang and Grootaert, **sp. nov.**, *N. wui* Wang, Yang and Grootaert, **sp. nov.**, *N. xiaolongmensis* Wang, Yang and Grootaert, **sp. nov.** and *N. yunnana* Wang, Yang and Grootaert, **sp. nov.** We examined the male holotype of *N. grisea* Parent and female holotype of *N. chetitarsa* deposited in Muséum National d'Historie Naturelle, Paris. Also, the new data on distribution are reported for four known species. A key to the species of the genus from Chinese mainland is presented.

Key words. Diptera, Dolichopodidae, *Neurigona*, China, new species

Introduction

The genus *Neurigona* Rondani belongs to the subfamily Neurigoninae. It was erected by Rondani (1856) with the following characters (Fig. 1): thorax and abdomen usually yellow with black markings; M weakly or strongly bent apically and convergent with R_{4+5} ; legs slender, especially tibiae I–III; abdominal segment 1 remarkably enlarged (Parent, 1938) and abdominal segment 5 in male sometimes with a ventral projection (Naglis, 2002).

Adults of the genus occurs on tree trunks and low vegetation (Pollet, Brooks and Cumming, 2004). It is distributed worldwide with 145 species: Two species are known to occur in Afrotropical Region, four species are in Australian Region, 38 species in Palaearctic Region (Negrobov, 1987, 1991; Negrobov and Fursov, 1988; Pârvu, 1996), 24 species in Oriental Region (Dyde, 1975; Yang and Saigusa, 2001a–b), each 40 in Nearctic and Neotropical Regions. And 16 species are known from Chinese mainland (Parent, 1944; Yang, 1999; Yang and Saigusa, 2001a–b, 2005; Zhang, Yang and Grootaert, 2003). In the present paper, 7 new species of *Neurigona* are added to the fauna of Chinese mainland. A key to the species of the genus from Chinese mainland is presented.

Material and methods

The specimens were borrowed from the Shanghai Entomological Museum of Chinese Academy of Sciences (SEMCAS), and collected by Patrick Grootaert (Brussels, 2004), Yajun Zhu, Xingyue Liu, Yanling Xu, Hui Dong, Junhua Zhang, Kuiyan Zhang (Beijing, 2004–2005), Hong Wu (Zhejiang, 1992), with sweep nets and