



Stegana ornatipes species group from the Oriental Region (Diptera: Drosophilidae)

YU CHENG¹, JIAN-JUN GAO² & HONG-WEI CHEN^{1,*}

¹Department of Entomology, South China Agricultural University, Tianhe, Guangzhou, 510642 P. R. China.

E-mail: hongweic@scau.edu.cn

²Laboratory for Conservation and Utilization of Bio-resource, Yunnan University, Cuihubeilu, Kunming, 650091 P. R. China

Abstract

A new species group, the *ornatipes* group, is established within the subgenus *Steganina* of the genus *Stegana*, based on three known and seven new species, all of which are endemic to the Oriental Region: *S. (S.) chitouensis* Sidorenko, *S. (S.) ornatipes* Wheeler & Takada, *S. (S.) vietnamensis* Sidorenko, *S. (S.) albiventralis* **sp. nov.**, *S. (S.) angusigena* **sp. nov.**, *S. (S.) lingnanensis* **sp. nov.**, *S. (S.) mengla* **sp. nov.**, *S. (S.) nulliseta* **sp. nov.**, *S. (S.) pilosella* **sp. nov.** and *S. (S.) zhaofengi* **sp. nov.** A key to all species of the group is provided.

Key words: new species, *ornatipes* group, South China, *Stegana*, taxonomy

Introduction

Up to the present, four species groups have been identified in the subgenus *Steganina* Wheeler (1960) of the genus *Stegana* Meigen (1830): *coleoptrata* group (Laštovka & Máca 1982), *nigrolimbata* group (Sidorenko 2002) *shirozui* group (Chen *et al.* 2009) and *undulata* group (Sidorenko 2002). Recently, the former two groups have been revised by Cao & Chen (2008), Chen & Chen (2008) and Chen *et al.* (2009); three species, *S. (S.) chitouensis* Sidorenko, 1998, *S. (S.) ornatipes* Wheeler & Takada, 1964 and *S. (S.) vietnamensis* Sidorenko, 1997, have been excluded from Sidorenko's (2002) *nigrolimbata* group. This paper establishes a new species group, the *ornatipes* group, based on these three species along with seven new species to be described here.

This group is the most similar to the *nigrolimbata* group (Cao & Chen 2008) among members of the subgenus *Steganina* in sharing the following characters: palpus mostly blackish; gena yellow to brown, narrow ($ch/o \leq 0.10$); paramere absent; aedeagus basally contiguous to aedeagal apodeme. However, the two groups have different types of male terminalia, e.g. surstylus, 10th sternite, gonopods and aedeagus (see below and Cao & Chen 2008).

All the type materials were collected on tussock and tree trunks along streams in forests. The type specimens are deposited in the following institutions: Kunming Institute of Zoology, Chinese Academy of Sciences, Kunming, China (KIZ); Department of Entomology, South China Agricultural University, Guangzhou, China (SCAU); Systematic Entomology, Hokkaido University Museum, Sapporo, Japan (SEHU); Zoological Institute, Russian Academy of Sciences, St.-Petersburg, Russia (ZISP). The morphological terminology and indices follow Chen & Toda (2001).