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The *Stegana* (*Oxyphortica*) *convergens* species group from the Oriental region (Diptera: Drosophilidae)

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Abstract

A new species group, the *convergens* group, is established within the subgenus *Oxyphortica* of the genus *Stegana*, based on two known and three new species, all of which are endemic to the Oriental Region: *S.* (*O.*) *convergens* (de Meijere, 1911), *S.* (*O.*) *setifrons* Sidorenko, 1997, *S.* (*O.*) *mediospinosa* **sp. nov.**, *S* (*O.*) *apicopubescens* **sp. nov.** and *S.* (*O.*) *apicosetosa* **sp. nov.** A key to all species of the *convergens* group is provided.

Key words: new species, Oriental region, *Oxyphortica*, *Stegana convergens* group

Intrduction

The small subgenus *Oxyphortica* Duda, 1923 in the genus *Stegana* Meigen, 1830, comprises 18 known species from the Oriental Region (Xu *et al.* 2007; Brake & Bächli 2008; Cao & Chen 2008, 2009; Cheng *et al.* 2009). However, only one species group has been established in this subgenus by Chen and Wang (2004). In the present study, three new species from southwestern China are described. They are morphologically similar to *Stegana* (*Oxyphortica*) *convergens* (de Meijere, 1911) and *Stegana* (*Oxyphortica*) *setifrons* Sidorenko, 1997 in some characters of male terminalia which are not shared with the other known species of this subgenus. Thus, a new species group is established here, the *convergens* group, based on these two species along with three new species to be described.

All specimens examined were collected from tree trunks along streams in forest. The type specimens are deposited in Kunming Institute of Zoology, Chinese Academy of Sciences, Kunming, China (KIZ); Department of Entomology, South China Agricultural University, Guangzhou, China (SCAU); Systematic Entomology, the Hokkaido University Museum, Hokkaido University, Sapporo, Japan (SEHU).

We followed McAlpine (1981) for morphological terminology, Zhang & Toda (1992), and Chen & Toda (2001) for the definitions of measurements, indices and abbreviations.

Systematic account

Stegana convergens species group

Diagnosis. Surstylus dorsally with 1–2 sclerotized and pointed prensiseta(e) (Figs 2, 6, 10); parameres small, fused basally (Figs 2, 3, 7, 8, 11, 12); aedeagus with tentacle-like processes apically (Figs 2, 3, 7, 8, 11, 12); each gonopod basally fused, distally separated into 2 lobe-like processes: ventral process bearing dense hair along margins; dorsal process curved dorsad, more or less pointed apically (Figs 4, 8, 12).

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