



Two new species of the genus *Spartimas* Enderlein from China (Diptera: Stratiomyidae)

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Abstract

Two Chinese species of the genus *Spartimas* Enderlein, *S. apiciniger* **sp. nov.** and *S. hainanensis* **sp. nov.**, are described as new. A key to all the species of the genus is presented.

Key words: *Spartimas*, Beridinae, new species, China, taxonomy

Introduction

The genus *Spartimas* Enderlein belongs to the subfamily Beridinae. It is distributed in Taiwan, Guangxi, Jiangxi Provinces in southeastern China and Pahang, Malaysia. Up to now, the only described species is *Spartimas ornatipes* Enderlein, 1921. Beridinae prefer shaded places in damp woods and most larvae of this subfamily live among dead leaves and in the upper layers of soil (Rozkošný 1982). Still, the biology and behavior of genus *Spartimas* is poorly known due to the lack of specimens.

Enderlein (1921) originally included two species in *Spartimas*, but the second species, *S. formosanus*, is different in that it has the dichoptic males, a robust hind femur, and very different male genitalia. Woodley (1995) placed it in the new genus *Aspartimas*.

In the present paper two species from China are described as new to science. A key to separate the known species of *Spartimas* is presented.

Material and methods

The specimens were studied and illustrated with a ZEISS Stemi 2000-c stereomicroscope. Genitalic preparations were made by macerating the apical portion of the abdomen in cold 10% NaOH for 5–7 h. After examination the genitalia were transferred to fresh glycerine and stored in a microvial pinned below the specimen. The heads, wings, and legs photographs of adults were taken with a digital camera (Nikon Coolpix 4500). Type specimens examined were deposited in the Entomological Museum of China Agricultural University, Beijing (CAU).

Taxonomy

The genus *Spartimas* can be identified by the following characters: Body black to brown, more or less shining metallic purple. Eye bare, contiguous for a long distance in male, widely separated with parallel-sided frontal margins in female; upper facets conspicuously larger than lower ones in male, but uniform in female.