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A new species of the subgenus *Stigmatochirus* of *Plastus* Bernhauer (Coleoptera: Staphylinidae: Osoriinae) from Yunnan, China

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Abstract

Plastus (*Stigmatochirus*) *menglaius* **sp. nov.** is described from Yunnan, China. Color images of the habitus and aedeagus of the new species are included. A key to the subgenus *Stigmatochirus* of World species is provided.

Key words: Coleoptera, Staphylinidae, Osoriinae, *Plastus*, new species, Yunnan, China

Introduction

The genus *Priochirus* comprises a successful group of species well adapted to habitats associated with dead wood. The genus was separated from *Leptochirus* Germar by Sharp in 1887. Prior to this study, 231 species of the genus were known worldwide mainly in the Oriental Region (Wu & Zhou, 2007). In the subgenus *Stigmatochirus*, 4 species were hitherto known to occur in the world (Fauvel, 1902; Bernhauer, 1926; Greenslade, 1971; Wu & Zhou, 2005), with 2 recorded from Indonesia, India, Vietnam, Laos, Thailand and 2 from China. However, only 1 species have been reported from Yunnan, China. During this study on the *Stigmatochirus* of Yunnan, we found that our specimens represent a new species. Herein, we describe *Plastus* (*Stigmatochirus*) *menglaius* **sp. nov.** and provide color images of the habitus and aedeagus.

Material and methods

In summer of 2012, the first author made a collecting trip to Mengla county, South-west Yunnan, where one new species of the subgenus *Stigmatochirus* of *Plastus* Bernhauer was captured from dead wood in the forest. To examine the male genitalia, the last three abdominal segments were detached from the body after softening the beetles in hot water. Sternites and aedeagus were mounted in glycerine on plastic slides. Photos, of habitus, sternites and aedeagus were taken using the NIKONSMZ1500 microscope. The examined specimens were collected in the Shangyong National Nature Reserve of Mengla county and are deposited in Yunnan Forestry Technological College, Yunnan. The holotype of the new species is deposited in the collection of the Yunnan Forestry Technological College (YFTC).

The following abbreviations of body measurements, in millimeters, were used:

BL: body length, measured from the anterior margin of the clypeus to the posterior margin of 10th abdominal tergite

HL: head length (from front of lateral lobe to hind margin)

PL: length of pronotum (along medial line)

EL: length of elytra, measured from humeral angle to the most distal margin of elytron

HW: width of head including eyes

PW: width of pronotum (maximal)

EW: width of both elytrons combined (maximal).