



***Paralenaeus* (Hemiptera: Reduviidae: Reduviinae) found in China with the description of the second species of the genus**

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Abstract

The genus *Paralenaeus* Reuter, 1881, is recorded for the first time from China. The second species of the genus, *Paralenaeus schaeferi* **sp. n.**, is described from Yunnan. Dorsal habitus, male genitalia, and other diagnostic morphological characters of the new species are illustrated.

Key words: *Paralenaeus*, Reduviidae, new species, China

Introduction

The genus *Paralenaeus* was described by Reuter (1881) from northern India. Only one species, *P. pyrromelas* Reuter, 1881, has been known prior to this study (Maldonado-Capriles 1990). Distant (1904) redescribed the genus and provided a redescription and illustration of the type species; and he also presented a key to differentiate *Paralenaeus* from similar genera. After that, no authors have provided new data on this small Oriental genus.

Recently, a single male specimen representing an undescribed species of genus *Paralenaeus* has been found among materials collected from Xishuangbanna Autonomous Region of Yunnan Province, southwestern China. The new species represents the first member of the genus known to China.

Material and methods

This study is based on a specimen kept in the Entomological Museum of China Agricultural University. Male genitalia of the specimen were soaked in hot 10% potassium hydroxide solution for approximately 5 minutes to remove soft tissue, rinsed in distilled water, and dissected under a Motic binocular dissecting microscope. All line drawings were traced with the aid of a camera lucida. Morphological terminology mainly follows those of Lent and Wygodzinsky (1979). Measurements were obtained using a calibrated micrometer and are given in millimeters in the following text.

Taxonomy

Genus *Paralenaeus* Reuter 1881

Paralenaeus Reuter 1881: 54; Distant 1904: 279; Maldonado-Capriles 1990: 422.

Type species. *Paralenaeus pyrromelas* Reuter, 1881.