



Four new species and a new record of *Anaedes* from China (Coleoptera: Tenebrionidae)

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Abstract

Four new species of *Anaedes* Blanchard, *A. unidentatus* sp. nov., *A. tibiodentatus* sp. nov., *A. basilatilis* sp. nov., and *A. pluridentatus* sp. nov. are described. *Anaedes mroczkowskii* Kaszab, 1968 is newly recorded from China.

Key words: Coleoptera, Tenebrionidae, *Anaedes*, taxonomy, new species, new record, China

Introduction

The genus *Anaedes* was erected in 1845 by Blanchard and *Anoedus punctatissimus* Blanchard was designated as type species. It was assigned to the tribe Heterotarsini (Gebien, 1920), and was transferred to Goniaderini by Doyen *et al.* (1989). Previously, there have been 73 world species, described by the following authors: Champion (1886, 1892) 12 species; Pic (1917, 1921, 1922, 1938, 1953) 36 species; Gebien (1911, 1920) 3 species; Ardoin (1969, 1973, 1976) 4 species, Kaszab (1968, 1973) 3 species, Schawaller (1994) 2 species; and Ardoin (1969) also pointed out 2 synonyms, Kaszab (1979, 1983) transferred *Luprops marginicollis* Fairmaire, 1896 to this genus and *Anaedes orientalis* Motschulsky, 1868 to *Luprops*, Schawaller (2007) transferred *Anaedes andohahelae* Ferrer, 1998 to *Antennoluprops*. In addition, Arndt (1993) described the larva of *A. camerunus* Gebien, 1920. This genus is mostly distributed in tropical and subtropical areas, such as south-east Asia and south Asia (12 species), tropical Africa (11 species), and America (49 species). Two species *A. substriatus* Pic, 1938 and *A. spinicornis* Kaszab, 1973 are known to occur in China. In the present paper, we describe four new species with a new record of a species from China and a key to the known Chinese species. Most of the specimens examined in this study are deposited in the Hebei University Museum, Baoding, P. R. China (HBUM), while a few are in the Institute of Zoology, Chinese Academy of Sciences, Beijing, P. R. China (IZAS).

Anaedes Blanchard, 1845

Anaedes Blanchard, 1845: 35; Lacordaire, 1859: 396; Champion, 1886: 233; Gebien, 1920: 111. Type species: *Anoedus punctatissimus* Blanchard, 1843.

Aspisoma Dejean, 1834: 206.

Key to known Chinese species of *Anaedes* Blanchard, 1845

1. Elytral margins distinctly serrated through most of length.....*A. pluridentatus* sp. nov.
- Only base of elytral with fine teeth..... 2