



Three new species of genus *Cenocorixa* (Hemiptera: Heteroptera: Corixidae: Corixinae) from China

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Abstract

The genus *Cenocorixa* is recorded for the first time in China. Three new species *Cenocorixa bui*, *Cenocorixa crestiforma*, and *Cenocorixa montana* from China are described and illustrated. Some characters are illustrated by drawings and scanning electron micrographs.

Key words: Heteroptera, Corixidae, *Cenocorixa*, new species, China

Introduction

The genus *Cenocorixa* was erected by Hungerford in 1948, and was comprised of eight species; it was only known from the Nearctic before this study. Usinger (1956) provided a key to California (USA) species based on male characters. Jansson (1972) revised this genus and provided a revised key to males. Stonedahl & Lattin (1986) reported 6 species of this genus from Oregon and Washington states, USA.

In the present paper, we record this genus for the first time in China. We add three new species, *Cenocorixa bui*, *Cenocorixa crestiforma*, and *Cenocorixa montana*, to this genus based on the distinct pronotal carina on anterior part of pronotum (Fig. 1), broad pronotum disk, the rugose, hairy clavi of the hemelytra, openly reticulate pattern on the clavus and corium, broad male palpi, and curving palpi peg row.

The following abbreviations are used in the text: Institute of Entomology, Nankai University (NKUM). All measurements are given in millimeters.

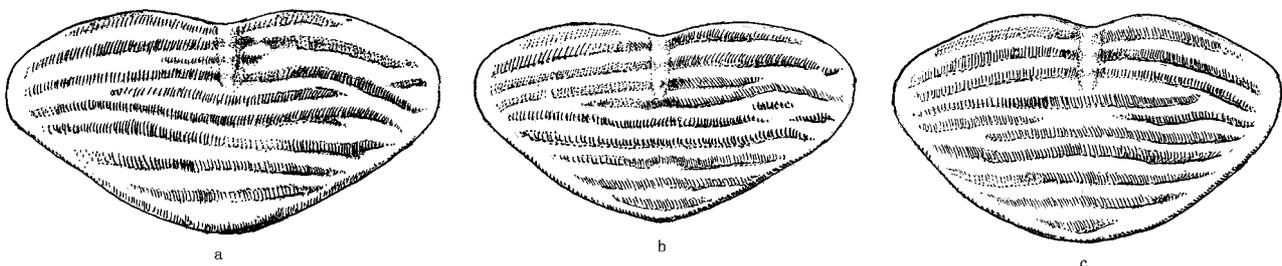


FIGURE 1. pronotal carina, a: *Cenocorixa bui* b: *Cenocorixa crestiforma* c: *Cenocorixa montana*

Cenocorixa bui sp. nov.

(Figs. 2–5, Fig. 15)

Description: Measurements: *Male*: Length of body 5.4, width of body 1.9; length of head 0.4, width of head 1.8, width of an eye 0.7, interocular space 0.7; length of pronotum 0.8, width of pronotum 1.6; length of pala 0.5, width of median 0.25; length of front tibia 0.25, length of front femur 0.55; length of segments of