



***Vietnamaptera*, a new genus of apterous Carventinae (Hemiptera: Aradidae) from Vietnam**

WENJIE ZHANG¹, XIAOSHUAN BAI², ERNST HEISS³ & WANZHI CAI^{1,4}

¹ Department of Entomology, China Agricultural University, Yuanmingyuan West Road, Beijing 100094, China.

² Institute of Life Science and Technology, Inner Mongolia Normal University, Zhaowuda Road 81, Huhhot 010022, Inner Mongolia, China.

³ Tiroler Landesmuseum, Josef - Schraffl-Strasse 2a, A-6020 Innsbruck, Austria.

⁴ Author for correspondence, email: caiwz@cau.edu.cn.

Abstract

A new apterous aradid, *Vietnamaptera bogiessa* Zhang, Bai, Heiss & Cai, gen. & sp. n. from Vietnam, is described. A key to related genera is given and the diagnostic morphological features of new genus are illustrated.

Key words: Aradidae, Carventinae, *Vietnamaptera*, Vietnam, new genus, new species

Introduction

Only 5 genera and 5 species of Carventinae are known so far from Vietnam. Among them, *Apteraradus vietnamensis* Kormilev, 1968 and *Notoplocaptera sternalis* (Vásárhelyi, 1976) are apterous, while *Carventus vietnamensis* Kormilev, 1969, *Lissonotocoris membranaceus* Usinger & Matsuda, 1959 and *Nesoproxius vietnamensis* (Kormilev, 1968) are macropterous (Kormilev & Froeschner 1987). In a study of the Vietnamese aradids, we found a remarkable species, which cannot be assigned to any known genus of Carventinae. Therefore, we erect here a new genus to accommodate this species.

Materials and methods

This study is based on the material preserved in the Entomological Museum of the China Agricultural University, Beijing (CAU). Male genitalia were soaked in a hot 10% KOH solution for approximately 5 minutes to remove soft tissue, rinsed in distilled water, and dissected under a Motic binocular dissecting microscope. Dissected genitalia were placed in vial with glycerin and pinned under the corresponding specimen. All drawings were traced with the aid of a camera lucida. Measurements were obtained using a calibrated micrometer. All measurements are in millimeters. The abbreviation *deltg* means dorsal external laterotergites.

Taxonomy

***Vietnamaptera* Zhang, Bai, Heiss & Cai, gen. n.**

Type species of the genus: *Vietnamaptera bogiessa* Zhang, Bai, Heiss & Cai, sp. n.

Diagnosis: Apterous, medium sized. Body elongate ovate. Head shorter than width across eyes; anterior process longer than first antennal segment; eyes semiglobose, protruding laterally, not pedunculate; postocular