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## Aradidae from Vietnam I. Two new genera of micropterous Mezirinae (Hemiptera: Heteroptera: Aradidae)

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### Abstract

Two new micropterous genera and three species of micropterous Mezirinae are described and illustrated. Although of similar habitual appearance as the Oriental genus *Hutanicoris* Heiss 1993, the two new genera are distinguished at once by the unique structures of their metathoracic evaporatoria.

**Key words:** Hemiptera, Heteroptera, Aradidae, Mezirinae, new genus, new species, micropterous, Vietnam

### Introduction

This paper continues the series of contributions to the knowledge of the flat bug fauna of Vietnam, describing further new taxa from new collections in indigenous rainforest throughout the country by Min Lan Pham and Xioshuan Bai in 2011 and 2012. As observed already in other micropterous Oriental Mezirinae genera (*Smetanacoris* Heiss 1989 from Sabah [Borneo] and in apterous Madagascan genera *Cervinotaptera* Heiss & Marchal 2012 and *Ambohitantelya* Heiss & Banar 2013), there is a tendency in leaf-litter dwelling Aradidae to develop considerably large evaporatoria which extend over the meso- and partly over the pro- coxae and, when dorsally reflexed, conceal also parts of pronotum. It can be assumed, that this enlargement of evaporatorial surface increases the spreading and evaporation of the metathoracic scent gland secretions essential for the presumably difficult intraspecific aggregation and mating attraction in this habitat.

The new genera are described as *Phamaptera* **n. gen.** with the species *lamdongensis* **n. sp.** and *bachmaensis* **n. sp.**, and *Baiaptera xinweiana* **n. gen., n. sp.**

### Material and methods

The specimens for this study are preserved in the Entomological Museum of the China Agricultural University Beijing (CAU), the Entomological Museum of Inner Mongolia Normal University, Huhhot, China (EMIH), and the collection of the second author (CEHI).

For the study of body structures the incrustate specimens were cleaned. Photos were taken through an Olympus SZX 7 binocular microscope with an Olympus EOS 600D digital camera and processed with Helicon 5.3X64 software, using Adobe Photoshop.

Measurements were taken with a micrometer eyepiece and are given in millimeters.

When citing the text on the labels of a pin attached to the specimens / separates the lines and // different labels.

Abbreviations used: deltg = dorsal external laterotergite (connexivum), mtg = mediotergite, mst = mediosternite; pe-angle = posteroexterior angle of deltg; ptg = paratergite, vltg = ventral laterotergite,