



## Notes on *Yangiella* Hsiao (Hemiptera: Aradidae: Mezirinae), with description of a new species from China

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### Abstract

The aradid genus *Yangiella* Hsiao is reviewed. Two species are recognized. The type-species, *Y. mimetica* Hsiao, is redescribed and the new species, *Y. montana* Zhang, Bai, Heiss & Cai, is described. A key to species is given and the diagnostic morphological features of the two species are illustrated.

**Key words:** Aradidae, Mezirinae, *Yangiella*, China, new species

### Introduction

*Yangiella* Hsiao was erected by Hsiao in 1964 from Yunnan, China. The genus is similar to *Neuroctenus* Feiber, but sterna IV to VI are without basal carina and the genae bend upwards in anterolateral view. Only one species, *Yangiella mimetica*, has been known in the genus prior to this study (Hsiao 1964, Liu 1981, Kormilev & Froeschner 1987, Heiss 2001). In a study of the Chinese aradids, we found a remarkable species of this genus from Yunnan and Guangxi in China, which is here described as new.

### Material and methods

This study is based on materials preserved in the Entomological Museum of the China Agricultural University, Beijing (CAU) and Ernst Heiss' collection (coll. E. Heiss, Innsbruck, Austria). 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 vials with glycerin and pinned under the corresponding specimens. 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

#### *Yangiella* Hsiao, 1964

Type species of genus: *Yangiella mimetica* Hsiao, 1964.

**Redescription:** Macropterous, medium sized. Body elongate ovate. Head slightly longer than width across