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## Contributions to the tribe Leptocorisini, with descriptions of *Planusocoris schaeferi* gen. & sp. nov. (Hemiptera: Alydidae)

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### Abstract

In this paper, the genus *Grypocephalus* Hsiao, 1963 is taxonomically reviewed worldwide. *Bloeteocoris* Ahmad, 1965 is proposed as a new junior synonym for *Grypocephalus* Hsiao, 1963. All the species of *Bloeteocoris* Ahmad, 1965 are here-in transferred to *Grypocephalus* Hsiao, 1963, in which, *Bloeteocoris minutus* Ahmad, 1965 is synonymized with *Grypocephalus pallipectus* Hsiao, 1963. *Planusocoris schaeferi* gen. & sp. nov. of Leptocorisini is described as new to science. Photographs of adults, and illustrations of male and female genitalia of the involved species are provided. The genera of the world Leptocorisini are keyed. The type specimens of *P. schaeferi* sp. nov. are deposited in the Insect Collection, Institute of Entomology, Nankai University, Tianjin, China.

**Key words:** Hemiptera, Heteroptera, Alydidae, Leptocorisini, key to genera, new genus, new species, new synonym

### Introduction

According to Schaefer (1999), Alydidae included two subfamilies: Alydinae and Micrelytrinae, both with two tribes; the first containing Alydini and Daclerini and the second, Leptocorisini and Micrelytrini. Prior to this study, there were five genera and about 46 species worldwide within Leptocorisini (Ahmad 1965, Brailovsky & Flores 1979, Dolling 1979, 2006, Hsiao 1963, 1977, Montemayor & Dellapé 2011, Schaefer 1965, 2004, Siwi & van Doesberg 1983). All the genera of the Leptocorisini distributes in the Oriental Region except *Stenocoris* Burmeister, 1839.

Ahmad (1965) monographed the world Leptocorisini, in which a new genus *Bloeteocoris* was erected. This genus was characterized by the unusual juga with the sharp and inflect apices. In his paper, the author also mentioned the monotypic genus *Grypocephalus* Hsiao, 1963 that probably would be a senior synonym of *Bloeteocoris*. Dolling (2006) also mentioned the same problem, but they did not synonymize *Bloeteocoris* officially, probably due to the type specimens of genus *Grypocephalus* Hsiao, 1963 remained unexamined at that time.

Pending the present study, the genus *Grypocephalus* Hsiao, 1963 was taxonomically reviewed worldwide, with a junior synonym *Bloeteocoris* here proposed, after the type specimens of all species of *Bloeteocoris* were checked. All the species of *Bloeteocoris* were herein transferred to *Grypocephalus*, in which, *Bloeteocoris minutus* Ahmad, 1965 was synonymized with *Grypocephalus pallipectus* Hsiao, 1963.

Besides, during the revisionary work on Chinese Alydidae, we found a remarkable species with unusually long juga and flat pronotum. It belongs to the tribe Leptocorisini, however, it cannot be placed in any known genus in that tribe. As a result, we have erected a new genus for this species with descriptions, illustrations and distribution information. All genera of the world Leptocorisini were keyed.

### Materials and methods

External and genital structures were examined using stereoscopic (Olympus SZX7) and optical microscope