



A new genus of the tribe Hemisphaeriini (Hemiptera: Fulgoromorpha: Issidae) from China

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Abstract

A new issid genus in the tribe Hemisphaeriini (Hemiptera: Fulgoromorpha: Issidae) is described from China: *Rotundiforma* **gen. nov.**. One new species, *Rotundiforma nigrimaculata* **sp. nov.** (China: Yunnan, Menglun), is described and illustrated. Distribution and morphological diversity of tribe Hemisphaeriini are discussed briefly. A checklist for the 14 genera of Hemisphaeriini is provided.

Key words: Fulgoroidea, distribution, morphology, new species, taxonomy, Yunnan

Introduction

The issid tribe Hemisphaeriini Melichar (1906) is a relatively small group comprising 13 genera and 169 species (Metcalf, 1958; Fennah, 1967, 1978; Chan & Yang, 1994; Gnezdilov, 2003, 2009; Zhang *et al.*, 2006; Sun *et al.*, 2012). In this tribe, the largest genus is *Hemisphaerius* Schaum, 1850 with 85 species (Bourgoin, 2012) and second in diversity is *Gergithus* Stål, 1870 with 60 species (Meng & Wang, 2012). Other genera are relatively small: *Mongoliana* Distant, 1909 with seven species (Che *et al.*, 2003a), *Gergithoides* Schumacher, 1915 with five species (Che *et al.*, 2003b; Rahman *et al.*, 2012), *Euhemisphaerius* Chan *et al.*, 1994 with four species (Chan & Yang, 1994), *Hemisphaeroides* Melichar, 1903 with two species, and the remaining seven genera currently represented by a single species (i.e. *Hysteropterissus* Melichar, 1906; *Hysterosphaerius* Melichar, 1906; *Hemiphile* Metcalf, 1952; *Macrodaruma* Fennah, 1978; *Epyhemisphaerius* Chan *et al.*, 1994; *Choutagus* Zhang, Wang & Che, 2006; *Neogergithoides* Sun, Meng & Wang, 2012). The tribe occurs throughout the majority of the Oriental region. A key to 13 genera was recently provided by Sun *et al.* (2012). Diagnostic characters of the tribe are as follows: body hemispherically convex, head including eyes slightly narrower than pronotum, pronotum with anterior margin slightly convex between eyes, forewings thick, with claval suture absent, hind wings single-lobed, well-developed (veins reticulate) or rudimentary (veins unapparent), female anal tube wide, anterior connective lamina of gonapophysis VIII wide, nearly rectangular, teeth in lateral group relatively small.

In the present paper, one new genus: *Rotundiforma* **gen. & sp. nov.** from China is described and illustrated. So far, 14 genera are included in the tribe Hemisphaeriini.

List of genera with data on distribution

1. *Choutagus* Zhang, Wang & Che 2006: 165. Type species: *Choutagus longicephalus* Zhang, Wang & Che, 2006. China (Hainan, Guangxi)
2. *Epyhemisphaerius* Chan *et al.* 1994: 63. Type species: *Epyhemisphaerius tappanus* (Matsumura, 1916). China (Taiwan)