



## The planthopper genus *Epora* Walker (Hemiptera: Fulgoroidea: Tropiduchidae) from China with description of one new species

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### Abstract

The three Chinese species of the tropiduchid genus *Epora* Walker are revised, including one new species, *E. biprolata* **sp. nov.** from Hainan Province, China. Morphological description or diagnoses and illustrations for Chinese *Epora* and an identification key for all nine species worldwide are provided.

**Key words:** Fulgoromorpha, *Epora*, new species, taxonomy, China

### Introduction

The tropiduchid genus *Epora* was established by Walker (1857) to accommodate a single species, *E. subtilis* Walker from Borneo. Up to now eight species have been reported worldwide, all restricted to the Oriental Region (Walker 1857, Distant 1906, 1912, 1916, Pierce 1909, Melichar 1915, Baker 1927, Metcalf 1954, Fennah 1970, 1978, Chou & Wang 1985, Qin & Men 2010), including two species from south China, *E. hainanensis* Chou & Wang and *E. bilemisca* Qin & Men. In this paper, another new species, *E. biprolata* **sp. nov.** is described from Hainan, China and diagnoses and illustrations for Chinese *Epora* are provided. A key to the known species in *Epora* is given.

### Material and methods

Dry preserved specimens were examined in this study based on recent collections made by graduates of the Entomological Museum, Northwest A & F University (NWAUFU). The genital segments of the examined specimens were removed and macerated in 10% NaOH overnight and studied in glycerin jelly using a Leica MZ125 stereomicroscope. Photographs of the habitus of adult males were obtained using a Nikon SMZ1500 stereomicroscope with a Q-image CCD. The body measurements are from apex of vertex to tip of forewing. All measurements are in millimeters (mm). The terminology and methods of description and illustration follow those of Liang and Wang (2008).

### Taxonomy

#### *Epora* Walker, 1857

*Epora* Walker, 1857: 145. Type species: *Epora subtilis* Walker, 1857, by original designation.

**Diagnosis.** Green to ochraceous tropiduchids. Head including eyes narrower than pronotum (Figs 1, 3, 5, 7, 22, 31). Vertex broader at base than long in midline, anterior margin rounded, projecting in front of eyes, disc of vertex