



## A taxonomic study of the genus *Austrohancockia* Günther (Orthoptera: Tetrigoidea: Tetrigidae)

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### Abstract

Eleven species of *Austrohancockia* Günther were systematically researched in this paper. One species, *Austrohancockia tuberfemora* **sp. nov.**, is described as new to science. This new species can be distinguished from *Austrohancockia guangxiensis* Zheng et Jiang, 1998, but differs in vertex and frontal ridge forming a right-angle; midkeel of pronotum interrupted, not conspicuous; pronotum reaching the knee of hind femur; width of fore femora equal to the width of middle femora; lower margins of fore and middle femora with one big teeth; third pulvillus of first segment of hind tarsi longer than first and second, apices of first and second sharp, apices of third obtuse. An updated key to the species of *Austrohancockia* is presented. The type specimens are deposited in the Institute of Zoology, Shaanxi Normal University, Xi'an, China.

**Key words:** Orthoptera; Tetrigoidea; Tetrigidae; Cladonotinae; *Austrohancockia*; new species

### Introduction

The genus *Austrohancockia* was erected by Günther in 1938 to accommodate two species which were separated from the genus *Hancockia*, *Austrohancockia kuangtungensis* (Tinkham, 1936) = *Hancockia kwangtungensis* Tinkham, 1936 and *Austrohancockia platynota* (Karny, 1915) = *Hancockia platynota* (Karny, 1915). He designated *Austrohancockia kuangtungensis* (Tinkham, 1936) as the type species of the genus. *Austrohancockia* is a small genus of the subfamily Cladonotinae (Tetrigidae), This genus is closely related to *Hancockia* Kirby based on vertex very wide, width of vertex 2–3 times the width of an eye, antennae inserted below the eyes, pronotum gibbous between the shoulders, top of pronotum not surpassing the apex of hind femur. Since Günther (1938), some new species of the genus *Austrohancockia* have been described (Liang *et al* 1991, Yamasaki 1994, Zheng 2005). To date the genus includes 10 known species worldwide, distributed mainly in China and Japan (Günther 1938, Blackith 1992, Yamasaki 1994, Zheng 2005, Deng 2007). Eleven species of *Austrohancockia* were systematically researched in this paper. One species, *Austrohancockia tuberfemora* **sp. nov.**, is described as new to science. An updated key to the species of *Austrohancockia* is presented. The type specimens are deposited in the Institute of Zoology, Shaanxi Normal University, Xi'an, China.

Specimens were examined and illustrated using an XTL-1 stereomicroscope. Morphological terminology and measurement method follows that of Blackith (1992) and Deng, Zeng et Wei (2007). Their measurements are in millimeters (mm).