



New taxa and records of flat bugs (Hemiptera: Heteroptera: Aradidae) from Hainan of China

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Abstract

From Hainan Province, southern China, a new genus of Carventinae: *Caiaptera* **n. gen** with the species *C. picea* **n. sp.** and a new genus of Mezirinae: *Hainanmezira* **n. gen** with the species *H. latiscutellata* **n. sp.** as well as *Notoplocaptera hainanensis* **n. sp.**, are described and illustrated. Additional records are given, and a list of species recorded to date from this province is presented.

Key words: Aradidae, Carventinae, Mezirinae, new genera, new species, apterous, *Caiaptera*, *Hainanmezira*, China, Hainan

Introduction

The island of Hainan is China's most southerly province and the country's second largest island after Taiwan and lies south of Guangdong Province and east of Vietnam in the South China Sea. It covers an area of 34.380 km² of which 50% are covered by forests, mainly in the mountainous southwestern part of the island where the highest peak is Wuzhishan with 1867 m. The primeval forest areas of Wuzhishan, Bawangling, Jianfengling, Diaoluoshan, and Limushan are excellent habitats for flat bugs. The material so far collected there by one of the authors (BXS) contains several new taxa; three of them are described and figured below.

This raises the number of Aradidae taxa recorded to date from Hainan to 29 species belonging to 20 genera and 5 subfamilies (Aneurinae, Aradinae, Calisiinae, Carventinae, and Mezirinae). However, it can be expected that the fauna is much more diverse than presently known and further new taxa will come to light when collecting will be intensified and more material is available.

Material and methods

This study is based on material which was mostly collected by one of the authors (BXS) and few other entomologists and is preserved in the collections of the authors' institutions. The type depositories are as follows:

CAU China Agricultural University, Beijing, China
CEHI Collection Ernst Heiss, Tiroler Landesmuseum, Innsbruck, Austria
EMIH Entomological Museum of Inner Mongolia Normal University, Huhhot, China