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Contribution to the knowledge of Chinese Phasmatodea II: Review of the Dataminae Rehn & Rehn, 1939 (Phasmatodea: Heteropterygidae) of China, with descriptions of one new genus and four new species

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Abstract

This paper deals with four genera and eight species of the subfamily Dataminae Rehn & Rehn, 1939 from China. One new genus and four new species, *Hainanphasma cristata* Ho **gen. nov. spec. nov.**, *H. diaoluoshanensis* Ho **spec. nov.**, *Pylaemenes pui* Ho **spec. nov.** and *Pylaemenes shirakii* Ho & Brock **spec. nov.**, are described and illustrated. A new combination is proposed: *Planispectrum hainanensis* (Chen & He, 2008) **comb. nov.** is transferred from *Pylaemenes* Stål, 1875 and its male and egg are described for the first time. The occurrence of *Orestes mouhotii* (Bates, 1865) in China is re-confirmed assessed by an adult specimen collected from Yunnan Province. *Pylaemenes guangxiensis* (Bi & Li, 1994) is reported for the first time from Vietnam outside the range of China. Keys to the genera and species of the Chinese Dataminae are given.

Key words: Dataminae, *Hainanphasma*, *Orestes*, *Planispectrum*, *Pylaemenes*, new genus, new species, new combination, China

Introduction

The Dataminae Rehn & Rehn, 1939 consists of seven genera with 32 species, mainly distributed over the Oriental region (Zompro 2004; Otte & Brock 2005; Brock 2013). *Dares* Stål, 1875, *Epidares* Redtenbacher, 1906, *Spinodares* Bragg, 1998 and *Woodlarkia* Günther, 1932 are not recorded in China and only two genera, *Planispectrum* Rehn & Rehn, 1939 [= *Platymorpha* Redtenbacher, 1906; = *Platyphasma* Uvarov, 1940] and *Pylaemenes* Stål, 1875 [= *Datames* Stål, 1875], have been recorded (Hennemann *et al.* 2008; Chen & He 2008). *Orestes mouhotii* (Bates, 1865) was considered to be misidentified in China (Hennemann *et al.* 2008: 43). By the examination of an adult specimen collected from Yunnan Province, *O. mouhotii* is proved to be found in China. Furthermore, recent collecting trips in various localities in China and examination of collections in SEM, SNU, and SYSBM uncovered one new genus and four new species, *Hainanphasma cristata* **gen. nov. spec. nov.**, *H. diaoluoshanensis* **spec. nov.**, *Pylaemenes pui* **spec. nov.** and *P. shirakii* **spec. nov.** A new combination: *Planispectrum hainanensis* (Chen & He, 2008) **comb. nov.** is proposed. It is here transferred from *Pylaemenes*. After these additions and new combination, eight species in four genera are currently attributed to the Dataminae of China.

Material and methods

This study is based on types and other material examined in the collections mentioned below and, relevant phasmid literature. The sequence of genera and species is in alphabetical order. Morphological terms follow Bragg (1997, 2001) and Zompro (2004). Ootaxonomic descriptions refers to Clark (1976a, 1976b, 1979, 1988, 1998), Clark-Sellick (1997) and Zompro (2004). Measurements are given in millimeters (mm.) for all the taxa. The newly