

Two new species of the genus *Bryodemella* (*s. str.*) from China (Orthoptera: Oedipodidae)

XIANG-CHU YIN^{1, 3} & WEN-QIANG WANG^{1, 2}

1. College of Life Sciences, Hebei University, Baoding 071002, China

2. College of Life Sciences, Yanan University, Yanan 716000, China

e-mail: wwqya2000@yahoo.co.nz or wwqya@yahoo.com.cn

3. College of Plant Protection, Shandong Agricultural University, Taian 271018, China

e-mail: yxch@mail.hbu.edu.cn or yxch@sdau.edu.cn

Abstract

Two new species [i.e. *Bryodemella* (*s. str.*) *xinjiangensis* sp. nov. and *B.* (*s. str.*) *nigrifemura* sp. nov.] of the genus *Bryodemella* Yin (Orthoptera, Oedipodidae) from China are described in this paper. A key to eight known species of the subgenus in China is presented. The type specimens are deposited in the Museum of Hebei University (MHU), China.

Key words: Orthoptera, Oedipodidae, *Bryodemella*, new species, China

Introduction

The genus *Bryodemella* was removed from genus *Bryodema* by Yin Xiang-Chu (1982) with *Bryodema holdereri* Krauss, 1901 as the type species. Up to now, nine species in this genus have been reported worldwide (Yin *et al.* 1996; Benediktov 1998; Otte & Naskrecki 2004). Benediktov (1998) revised this genus and divided it into two subgenera: i.e. *Bryodemella* (*s. str.*) Yin and *B. (Angaridella)* Benediktov. The main traits used for differentiation of the two subgenera are: 1) vertical diameter of eyes equal to [in *B.* (*s. str.*)] or shorter than [in *B.* (*A.*)] length of subocular groove; 2) width of interspace between mesosternal lobes equal to or narrower than [in *B.* (*s. str.*)] or evidently wider than [in *B.* (*A.*)] maximal width of mesosternal lobes; 3) elytra in female long [in *B.* (*s. str.*)] or shortened [in *B.* (*A.*)]; and 4) lower knee lobes of inner side of hind femur evidently tilted inward [in *B.* (*s. str.*)] or nearly upright [in *B.* (*A.*)]. They are distributed in the central and western Europe (Germany, Denmark, Scandinavia, Finland and the Bavarian Alps), European part of the Russia, Transbaikal, Tuva Rep., Kazakhstan, Mongolia and China (western and northern