



Species of the genus *Heteralonia* Bezzi, 1921 from China (Diptera: Bombyliidae)

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Abstract

The following four new species of the genus *Heteralonia* from China are described and illustrated: *Heteralonia anemosyris* sp. nov., *Heteralonia cnecos* sp. nov., *Heteralonia nigripilosa* sp. nov., and *Heteralonia ochros* sp. nov. A key to the species of the genus *Heteralonia* from China is presented.

Key words: Diptera, Bombyliidae, *Heteralonia*, new species, China

Introduction

The genus *Heteralonia* Bezzi belongs to the tribe Exoprosopini of subfamily Anthracinae (Evenhuis and Greathead, 1999). It is easily be differentiated from *Exoprosopa* Macquart by the following features: wing pattern with veins bordered with a different colour to centres of cells, frequently with isolated spots; ejaculatory apodeme of male weak, concealed between gonocoxites (Greathead and Evenhuis, 1997, 2001). The genus *Heteralonia* includes 128 known species, of which 29 species are from the Palaearctic Region and 27 species are from the Oriental Region (Evenhuis and Greathead, 1999). The following four species are known to occur in China: *H. chinensis* Evenhuis, 1979; *H. gressitti* Evenhuis, 1979; *H. polyphleba* Evenhuis, 1979; *H. sytshuana* (Paramonov, 1928).

In the present paper four new species, *H. anemosyris*, *H. cnecos*, *H. nigripilosa* and *H. ochros*, are added to the fauna of China. One previously described species, *H. sytshuana* (Paramonov), is redescribed and illustrated from freshly collected specimens. A key to the species of the subgenus from China is presented.

Material and methods

The specimens were studied and illustrated with ZEISS Stemi 2000-c. Genitalic preparations were made by macerating the apical portion of the abdomen in cold 10% NaOH for 12–15 h, after examination it was transferred to fresh glycerine and stored in a microvial pinned below the specimen. The wing photographs of adults were taken with a digital camera (Canon 450D). Type specimens of new species are deposited in the Entomological Museum of China Agricultural University, Beijing (CAU). The following abbreviations are used: *ad*—anterodorsal, *av*—anteroventral, *pd*—posterodorsal, *pv*—posteroventral.