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Taxonomy on *Quedius euryalus* group (Coleoptera: Staphylinidae: Staphylinini: Quediina) from China with description of eight new species

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Abstract

Eight new species of the subgenus *Microsaurus* Dejean, 1833 of the genus *Quedius* Stephens, 1829 are described based on specimens collected in China, namely *Q. aculeatus* sp. nov., *Q. acutulus* sp. nov., *Q. altus* sp. nov., *Q. capillus* sp. nov., *Q. perlucidus* sp. nov., *Q. postangulus* sp. nov., *Q. subwrasei* sp. nov. from Sichuan and *Q. arcus* sp. nov. from Ningxia. The female of *Q. songpanoides* Smetana, 2009 is described for the first time. These new species belong to the *Quedius euryalus* group and the fauna of this species group is thus increased to 53 species. In addition, this paper reviews the taxonomic history of the *Quedius euryalus* group and reports the sexual dimorphism in the hind wing length, i.e. male with longer hind wings in many species of the *Quedius euryalus* group. Line drawings and color illustrations of adults and genitalia of the new species and some other ones are provided, along with a key to all the known species of the *euryalus* group.

Key words: Coleoptera, Staphylinidae, Quediina, *Quedius*, *Microsaurus*, *euryalus* group, new species, China

Introduction

Microsaurus Dejean, 1833 is the largest subgenus of the genus *Quedius* Stephens, 1829 in the subtribe Quediina (Staphylininae, Staphylinini) and have been found to occur mainly in Holarctic and Oriental regions. Before this study, more than 300 species were described, of which 122 were recorded to occur in China. Bernhauer (1916, 1929, 1933a, b, 1943) was the earliest specialist who studied Chinese fauna of the subgenus *Microsaurus* Dejean. However, the main contribution to the Chinese *Microsaurus* fauna was made by Smetana (1995a, b, c, 1996 a, b, c, 1997 a, b, c, 1999 a, b, c, 2001 a, b, c, 2002, 2004b, 2006, 2007, 2008a, b, 2009, 2010, 2012, 2013); these included a revision of the tribe Quediina from Taiwan island and a series of publications dealing with Quediina from the mainland China. The subgenus *Microsaurus* Dejean can be distinguished from the other subgenera by the