



Fourteen new species of the genus *Gabrius* Stephens, 1829 (Coleoptera: Staphylinidae: Philonthina) from China

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Abstract

The genus *Gabrius* Stephens, 1829 is a large and relatively well studied group in the subtribe Philonthina. In this paper, fourteen new species of the genus *Gabrius* from China are described and illustrated: *G. breviantennatus* sp. n. from Hubei; *G. instrigatus* sp. n. from Tibet; *G. hong* sp. n. from Ningxia and Shaanxi; *G. zhaoi* sp. n. from Ningxia; *G. disparatus* sp. n. from Beijing; *G. extraneus* sp. n. from Beijing and Shanxi; *G. leigongshanus* sp. n. from Guizhou and Hubei; *G. batangensis* sp. n., *G. brevistrigatus* sp. n., *G. curvus* sp. n., *G. dentatus* sp. n., *G. nasiformis* sp. n. and *G. yaanensis* sp. n. from Sichuan and *G. tortilis* sp. n. from Shaanxi, Ningxia, Sichuan, Yunnan and Hubei. Thus, a total of 43 species of the genus *Gabrius* are known from China.

Key words: Coleoptera, Staphylininae, Philonthina, *Gabrius*, new species, China

Introduction

The genus *Gabrius* Stephens, 1829 is a relatively well studied group in the subtribe Philonthina (Staphylinidae: Staphylininae: Staphylinini), mainly because several comprehensive treatments covering larger geographical areas have been carried out (Cameron 1932; Coiffait 1974; Smetana 1984, 1995; Schillhammer 1997, 2001; Newton *et al.* 2000). Before this study, 349 species of the genus *Gabrius* had been reported to occur in all biogeographic regions except Antarctica (Herman 2001; Assing 2004, 2009; Hromadka 2007; Schillhammer 2001, 2004, 2007; Shibata 2007). Of all these species, only 29 species had been reported to occur in China (Herman 2001; Schillhammer 2001; Shibata 2007; Smetana 2004; Qi *et al.* 2008). Due to the geographical position and topography of China, many more species of the genus *Gabrius* are expected to be found, once more extensive collecting is accomplished.

In this paper, fourteen new species of the genus *Gabrius* from China are described and illustrated: *G. breviantennatus* sp. n. from Hubei; *G. instrigatus* sp. n. from Tibet; *G. hong* sp. n. from Ningxia and Shaanxi; *G. zhaoi* sp. n. from Ningxia; *G. disparatus* sp. n. from Beijing; *G. extraneus* sp. n. from Beijing and Shanxi; *G. leigongshanus* sp. n. from Guizhou and Hubei; *G. batangensis* sp. n., *G. brevistrigatus* sp. n., *G. curvus* sp. n., *G. dentatus* sp. n., *G. nasiformis* sp. n. and *G. yaanensis* sp. n. from Sichuan and *G. tortilis* sp. n. from Shaanxi, Ningxia, Sichuan, Yunnan and Hubei. Thus, a total of 43 species of the genus *Gabrius* are known from China.

Material and methods

For dissection, specimens were relaxed in warm water (60–70°C) for about 7–10 hours, then cleared in 10% KOH for 5 minutes, and transferred in 75% alcohol. Cleared specimens were dissected to observe