

FAUNISTIC CONTRIBUTION TO THE GENUS *SPHAERITES* DUFTSCHMID, 1805 IN CHINA (COLEOPTERA: SPHAERITIDAE)

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Abstract: Records of five species of *Sphaerites* Duftschmid, 1805 from China are presented. *Sphaerites dimidiatus* Jureček, 1934 is reported from Sichuan, Shaanxi and Gansu, with new locality data.

Key words: Coleoptera, Sphaeritidae, *Sphaerites*, distribution, China.

Contribución faunística sobre el género *Sphaerites* Duftschmid, 1805 en China (Coleoptera: Sphaeritidae)

Resumen: Se presentan registros de cinco especies de *Sphaerites* Duftschmid, 1805 de China. *Sphaerites dimidiatus* Jureček, 1934 se cita de Sichuan, Shaanxi y Gansu.

Palabras clave: Coleoptera, Sphaeritidae, *Sphaerites*, distribución, China.

Introduction

The family Sphaeritidae currently comprises a single genus *Sphaerites* Duftschmid, 1805 with six species distributed in the Holarctic (5 in the Palaearctic Region and 1 in the Nearctic Region). Löbl (2004) mentioned only three species; two species *Sphaerites opacus* Löbl & Háva, 2002 and *Sphaerites involatilis* Gusakov, 2004 is here added in the catalogue. The present work summarizes faunistic data for *Sphaerites* Duftschmid, 1805 species recently collected in China.

Material and methods

The following collection abbreviations are used in the text: CNC: Canadian National Collection of Insects, Arachnids and Nematodes, Ottawa, Canada (A. Smetana); JHAC: Jiří Háva, Private Entomological Laboratory & Collection, Únětice u Prahy, Prague-west, Czech Republic; JRCP: private collection of Jan Růžička, Prague, Czech Republic; JSCP: private collection of Jan Schneider, Prague, Czech Republic; NMPC: National Museum, Prague, Czech Republic (J. Hájek); OUMN: Hope Entomological Collection, Oxford University Museum Natural History, Oxford, United Kingdom (A. Spooner).

Results

Family Sphaeritidae

Genus *Sphaerites* Duftschmid, 1805

Sphaerites dimidiatus Jureček, 1934

TYPE LOCALITY: China, Sichuan, Wassuland, Chunghwa. MATERIAL EXAMINED: SICHUAN: Sichuan pr., Sabde env., 3000 m, 1.-3.viii.1992, J. Schneider lgt., 1 ex., (JSCP); 1 ex., the same but (NMPC); W Sichuan, 20 km N Sabde, 3200 m, 29°35'N 101°23'E, 10.-16.vii.1998, J. Schneider lgt., 1 ex., (JSCP); Sichuan pr., Zhilong., vii. 92, 3 exx., (JSCP); 1 ex.,

the same but (JHAC); W-Sichuan, Sa'de env., alpine meadows, 29°36.4'N 101°22.9'E, 4500 m, v.2004, Häckel & Sehnal leg., 1 ex., (JHAC); Sichuan, 49 km N Songpan, road S 301 km 114, N Gongangling Pass, 33°04'31"N 103°42'38"E, 3230 m, spruce forest, litter, moss & mushrooms sifted, 9.viii.2012, M. Schülke leg., 4 exx., (CNC); Sichuan, Nanping env., 3500 m, 10-19.vi.1997, S. Murzin leg., O. Kapler det. 1998, 1 ex., (NMPC); Sichuan, Juizhaigou, 15-18.vi.2011, lgt. E. Kučera, 2 exx., (OUMN); Sichuan, valley SW of Barkam, 31°53'N 102°12'E, 3000-3800 m, 22.vii.1995, Janata leg., 1 ex., (JRCP); Sichuan prov., Chita, vii.1992, [without detailed data] 1 ex., (JRCP); SHAANXI: Shaanxi prov., Taibaishan Mts., N Haozhenzi, 2460 m, 3.viii.1998, S. Murzin lgt., 10 exx., (JHAC); GANSU: S Gansu (Labrang), valley E of Ponggartang, 35°12.44'N 102°54.56'E, 3600 m, alpine meadows, scree, 10-14.vii.1999, M. Janata leg., 2 exx., (JHAC); Gansu, Xiahe (= Labrang) env., 35°11.5'N, 102°30.6'E, 2940 m, 19-22.vi.2005, baited pitfall traps (fish meat + cheese) with ethylene glycol, margin of a wet coniferous forest, J. Hájek, D. Král & J. Růžička leg., 1 ex., (NMPC); 2 exx., the same but (JRCP).

DISTRIBUTION. A species known from China: Gansu, Sichuan, Shaanxi, (Hua, 2002; Löbl, 2004; Gusakov, 2004).

Sphaerites glabratus (Fabricius, 1792)

TYPE LOCALITY: „Germania“.

MATERIAL EXAMINED: none.

DISTRIBUTION. A species known from Europe, Far East, Japan, Mongolia and West Siberia, from China known from Jilin only (Löbl, 2004; Gusakov, 2004).

Sphaerites involatilis Gusakov, 2004

TYPE LOCALITY: China, N Sichuan, Min-Shan Mts., Baima pass. 3500 m.

MATERIAL EXAMINED: none.

DISTRIBUTION. A species known from China: Sichuan, Gusakov (2004).

REMARKS. A recently described species known from the type series only.

***Sphaerites nitidus* Löbl, 1996**

TYPE LOCALITY: China, Sichuan, Gongga Shan, 2850 m.

MATERIAL EXAMINED: **SICHUAN**: Sichuan, Gongga Shan, Hailuogou, above Camp 3, 3050 m, 8.vii.1996, 29°35'N 102°00'E, collected by J. Farkač, P. Kabátek and A. Smetana, 1 ex., (JSCP).

DISTRIBUTION. A species known from China: Gansu, Sichuan (Löbl 2004, Gusakov 2004).

***Sphaerites opacus* Löbl et Háva, 2002**

TYPE LOCALITY: China, Shaanxi Prov., Taibaishan N.P., 3200 m.

MATERIAL EXAMINED: none.

DISTRIBUTION. A species known from China: Shaanxi (Löbl & Háva 2002, Gusakov 2004).

REMARKS. A recently described species known from the holotype specimen only.

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