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RESEARCH ARTICLE

New records of weevils (Coleoptera, Curculionidae) from Western Siberia

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Abstract

There are the westernmost records of *Dorytomus peneckei* and *Catapionus quadrilineatus*, and the first record of *Cardipennis rubripes* from Novosibirsk Oblast. Distribution maps for these species are given.

Keywords

Curculionoidea, weevils, fauna, new findings, Siberia

Introduction

The family Curculionidae is one of the diverse groups of Coleoptera. Data on the fauna of Western Siberia were summarized in the review (Legalov 2010) and are presented in regional lists (Krivets 1997; Legalov and Opanassenko 2000; Krivets and Legalov 2002; Bukhkalo et al. 2011; Filimonov 2012). New materials are collected every year. There are new records. This work provides data on the distribution of three species. The first record in the east of Western Siberia for cannabis pest *Cardipennis rubripes* (Hustache, 1916) is presented. The genus *Catapionus* Schoenherr, 1842 is an Asian mountain genus (Alonso-Zarazaga and Lyal 1999), but one species lives to the southeast of the West Siberian Plain. *Dorytomus peneckei* Zumpt, 1933 is distributed in Siberia and the Far East. For these species, the most western records are given.

Material and methods

Specimens of new records are kept in CSRN – the private collection of S.V. Reshetnikov (Novosibirsk), and additional material in the Institute of Systematics and Ecology of Animals of the Siberian Branch, Russian Academy of Sciences (Novosibirsk) and Zoological Institute, Russian Academy of Sciences (Saint-Petersburg).

The photographs were taken with a camera Fujifilm X-T10.

The systematics of studied taxa are from the Legalov's works (Legalov 2018, 2020a, 2020b).

Results

Superfamily Curculionoidea Latreille, 1802
Family Curculionidae Latreille, 1802
Subfamily Erirhininae Schoenherr, 1825
Subtribe Dorytomini Bedel, 1886
Genus *Dorytomus* Germar, 1817

***Dorytomus peneckei* Zumpt, 1933**
Fig. 1a

Material examined. 1 female (CSRN), Novosibirsk Oblast, Toguchinskii Distr., 7 km S of Koltyrak, near Mokrushino, *Populus tremulae*, 10.X.2017, S. Reshetnikov.

Remarks. This beetle was collected from very rotten aspen wood lying on the ground. The species develops on *Populus tremulae* L. (Egorov et al. 1996).

Distribution. *Dorytomus peneckei* is North Asian species known from South Siberia, Mongolia, Northeast China and the Russian Far East (Fig. 2). This is the westernmost record.

Subfamily Conoderinae Schoenherr, 1833
Supertribe Ceutorhynchitae Gistel, 1848
Tribe Ceutorhynchini Gistel, 1848
Genus *Cardipennis* Korotyaev, 1980

***Cardipennis rubripes* (Hustache, 1916)**
Figs 1b, c

Material examined. 1 ex. (CSRN), Novosibirsk Oblast, Salair Ridge, border of Toguchinskii and Maslyaninskii Districts, valley of Suenga River, 10.VI.2018, S. Reshetnikov.

Remarks. The species develops on *Cannabis sativa* L. (Shilenkov and Tolstonogova 2006).

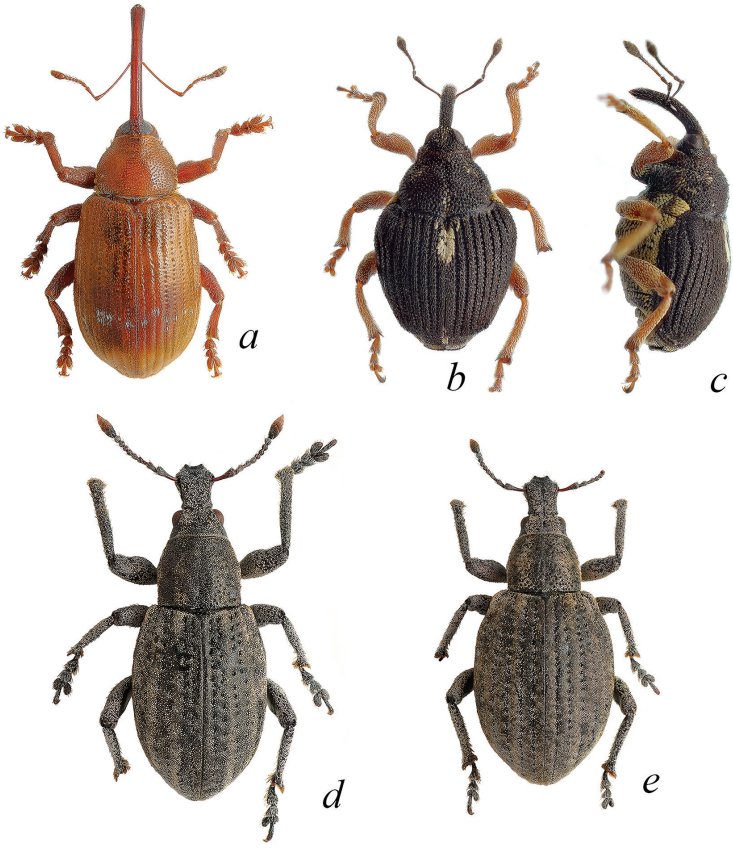

Figure 1. Representatives of Curculionidae: **a** *Dorytomus peneckei*, female; **b** *Cardipennis rubripes*, dorsally; **c** *C. rubripes*, laterally; **d** *Catapionus quadrilineatus*, male, dorsally; **e** *C. quadrilineatus*, female, dorsally

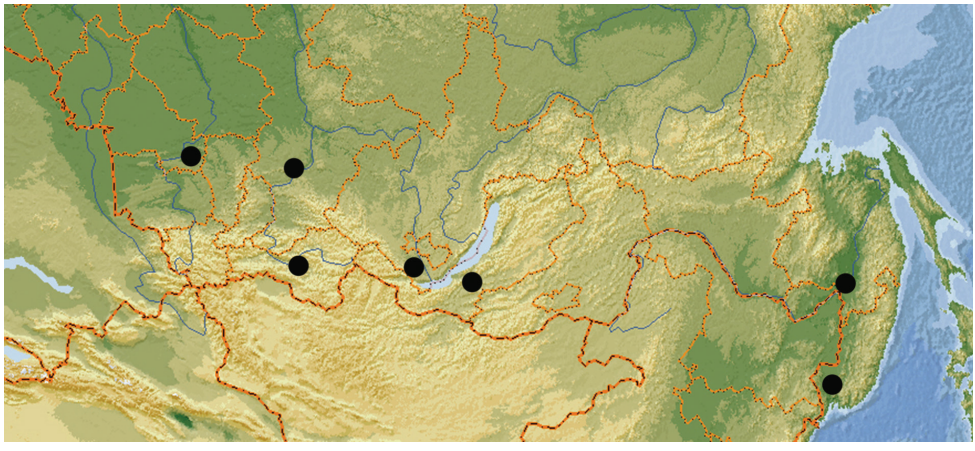

Figure 2. Distribution of *Dorytomus peneckei* in Russia.

Figure 3. Distribution of *Cardipennis rubripes*.

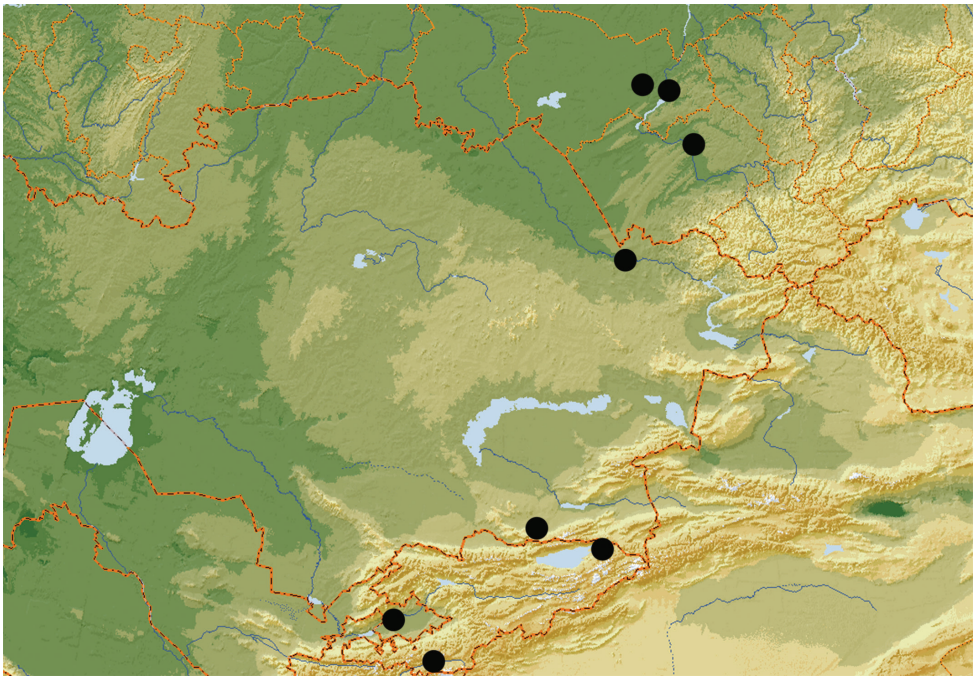

Figure 4. Distribution of *Catapionus quadrilineatus*.

Distribution. This species was known from South Siberia, North Mongolia and the south of Primorskii Krai (Fig. 3). It was also collected in the Chelyabinsk Oblast (Filimonov 2012). This is the first record from Novosibirsk Oblast.

Subfamily Entiminnae Schoenherr, 1823
Supertribe Polydrusitae Schoenherr, 1823
Tribe Cneorhinini Lacordaire, 1863
Genus *Catapionus* Schoenherr, 1842

***Catapionus quadrilineatus* (Gebler, 1829)**
Figs 1d, e

Material examined. 1 male (CSRN), 1 female (CSRN), Novosibirsk Oblast, Chulymskii Distr., Bolshedorozhnoe, 55°06'31.9"N, 81°13'26.4"E, in copula, 4.VI.2017, S. Reshetnikov.

Distribution. This species is distributed from the south-east of Western Siberia, Eastern Kazakhstan and the mountains of Central Asia (Fig. 4). It is the westernmost record of this species.

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