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New records of weevils (Coleoptera, Curculionidae) associated with *Myriophyllum* sp. in West Siberia, Russia

Новые находки жуков-долгоносиков (Coleoptera, Curculionidae), связанных с урутью в Западной Сибири

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Ключевые слова: Coleoptera, Curculionoidea, Bagoini, Phytobiini, Тюменская область, Курганская область.

Abstract. Two weevil species associated with *Myriophyllum* sp. are registered for West Siberia, Russia, for the first time, namely: *Bagous longitarsis* C.G. Thomson, 1868 from Kurganskaya Oblast and *Eubrychius velutus* (Beck, 1817) from Tyumenskaya and Kurganskaya Oblasts. Maps of species distribution in North Asia are provided for *Eubrychius velutus*, *Phytobius leucogaster* (Marsham, 1802) and *Pelenomus canaliculatus* (Fahraeus, 1843).

Резюме. Два вида жуков-долгоносиков, связанных с урутью, впервые отмечены в Западной Сибири: *Bagous longitarsis* C.G. Thomson, 1868 обнаружен в Курганской области, *Eubrychius velutus* (Beck, 1817) — в Тюменской и Курганской областях. Приводятся карты распространения *Eubrychius velutus*, *Phytobius leucogaster* (Marsham, 1802) и *Pelenomus canaliculatus* (Fahraeus, 1843) в Северной Азии.

Earlier, six wives species of the tribes Bagoini (Erirhininae) and Phytobiini (Conoderinae) associated with the water milfoil *Myriophyllum* sp. have been registered in Russia. Three Bagoini species of the genus *Bagous* Germar, 1817, *B. longitarsis* C.G. Thomson, 1868, *B. collignensis* (Herbst, 1797) and *B. geniculatus* (Hochhuth, 1847), associated with this plant have been recorded in the tribe Bagoini [Zabaluev, 2017], and three species, *Eubrychius velutus* (Beck, 1817), *Phytobius leucogaster* (Marsham, 1802) and *Pelenomus canaliculatus* (Fahraeus, 1843), also developed on *Myriophyllum* — in the tribe Phytobiini [Korotyaev, 1980; Egorov, 1988; Zabaluev, 2017]. Four species (*Bagous longitarsis, Eubrychius velutus, Phytobius leucogaster* and *Pelenomus canaliculatus*) were recorded for Siberia [Legalov, 2020b]. This article presents findings of four weevils, *Bagous longitarsis, Eubrychius velutus, Phytobius leucogaster* and *Pelenomus canaliculatus* in Russian regions of West and East Siberia, of which two species are newly registered, namely: *B. longitarsis* for Kurganskaya Oblast and *E. velutus* for Tyumenskaya and Kurganskaya Oblasts.

The studied material is kept in the collections of the Institute of Systematics and Ecology of Animals of the Siberian Branch of the Russian Academy of Sciences, Novosibirsk, Russia — ISEA, and Tyumen State University, Tyumen, Russia — CTU.

The weevil systematics is given according to Legalov [2018, 2020a].

Coleoptera: **Curculionidae**: Erirhininae: Bagoini *Bagous* (*Macropelmus*) *longitarsis* C.G. Thomson, 1868

Material. **West Siberia, *Kurganskaya Oblast:*** Belozerskii District, env. Belozerskoye, 55°48'08.2" N, 65°35'08.5" E, oxbow of Tobol River, on *Myriophyllum*, 4.VI.2022, V. Stolbov — 1 spm. (CTU).

Remarks. This species develops on *Myriophyllum* only [Dieckmann, 1990]. This is a first record of *Bagous longitarsis* in Kurganskaya Oblast of Russia.

Distribution. Europe and Siberia. It was registered in Siberia from Novosibirskaya Oblast and Zabaikalskii Krai [Legalov, 2020b].

Conoderinae: Ceutorhynchitae: Phytobiini *Eubrychius velutus* (Beck, 1817)

Fig. 1.

Eubrychius velutus (Beck, 1817): Korotyaev, 1980 (Altai, Khakassia, Chitinskaya Oblast; Egorov, 1988 (Buryatiya: Boyarskii, Chitinskaya Oblast: Aleksandrovsky Zavod, Khabarovskii Krai:

Sofiyskoye, Primorskii Krai: Khasan, Sakhalin Island: Starodubskoe, Kunashir Island: Peschanoe Lake. Paramushir Island: Banzhou, Kamchatka Peninsula: Kozyrevsk).

Material. **West Siberia, *Tyumenskaya Oblast:*** Tyumenskii District, Michurino, 56°57'35.5"N, 65°12'25.2"E, oxbow of Balda River, on *Myriophyllum*, 9.IX.2022, V. Stolbov — 13 spm. (CTU), 5 spm. (ISEA); ***Kurganskaya Oblast:*** Belozerskii District, env. Belozerskoe, 55°48'08.2"N, 65°35'08.5, oxbow of Tobol River, on *Myriophyllum*, 4.VI.2022, V. Stolbov — 1 spm. (CTU).

Remarks. This species develops on different species of the water milfoil, *Myriophyllum verticillatum* L., *M. spicatum* L. and *M. elatinoides* Gaud. [Dieckmann, 1972; Smreczynski, 1974; Colonelli, 2004].

This is a fist record of the species in West Siberian Plain from Tyumenskaya and Kurganskaya Oblasts of Russia.

Distribution. Europe, Siberia and Far East. It was known from Khakassia, Altai Republic, Buryatia, Zabaikalskii and Khabarovskii Krai in Siberia, Kamchatka, Primorskii Krai, Sakhalin, and the Kuril Islands [Legalov, 2020a, b].

Phytobius leucogaster (Marsham, 1802)

Fig. 2.

Phytobius leucogaster (Marsham, 1802): Egorov, 1977 (Blagoveshchensk); Korotyaev, 1980 (Altai, Transbaikalia, Yakutia, Primorskii Krai); Egorov, 1988 (Buryatiya: Boyarskii, Chitinskaya Oblast: Aleksandrovskii Zavod, Khabarovskii Krai: Sofiyskoye, Primorskii Krai: Artem-Primorsky-II settlement and Prokhory, Sakhalin Island: Starodubskoe, Kunashir Island: Dubovoye, Paramushir Island: Banzhou, Kamchatka Peninsula: Kozyrevsk; Legalov, Sitnikov, 2000 (Tyumen); Filimonov, 2012 (Chelyabinskaya Oblast: Chernoborskii); Gratshev, 2015 (Yuganskii Nature Reserve, Kol-Kochen-Yagun River).

Material. **West Siberia, *Kurganskaya Oblast:*** Ketovskii District, Lis'e, 2–10.VII.2002, V. Sorokina — 1 spm. (ISEA); ***Novosibirskaya Oblast:*** Novosibirsk, 30.V.1989, A. Legalov — 1 spm. (ISEA); ***Republic of Altai:*** 2 km SE of Kosh-Agach, 27.VI.1996, A. & R. Dudko — 1 spm. (ISEA). **East Siberia, *Zabaikalskii Krai:*** Ononskii District, 18 km WSW of Nizhnii Tsasuchei, Butevken Lake, meadow, 27.VI.1995, O. Kosterin, O. Berezina — 1 spm. (ISEA).

Remarks. The species develops on *Myriophyllum verticillatum* L. and *M. spicatum* L. [Dieckmann, 1972; Smreczynski, 1974; Colonelli, 2004].

Distribution. Holarctic. In the Asian part of the continent this species was recorded from the following regions: Russia: Siberia and the Russian Far East, Mongolia, Kazakhstan, South Korea, and China [Voss, 1967; Korotyaev, 1980; Legalov, Opanassenko, 2000; Hong et al., 2011; Temreshev, 2016; Lu et al., 2018].

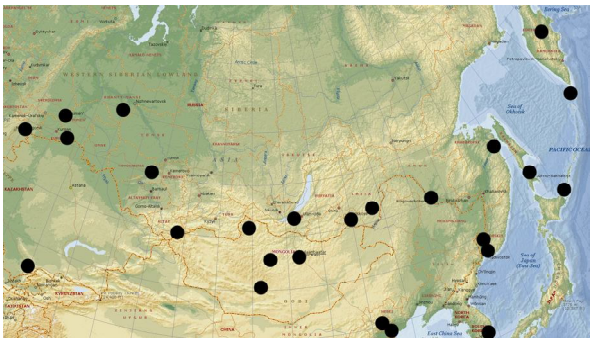

Fig. 2. Locality map of *Phytobius leucogaster* distribution in North Asia.

Рис. 2. Карта распространения *Phytobius leucogaster* в Северной Азии.

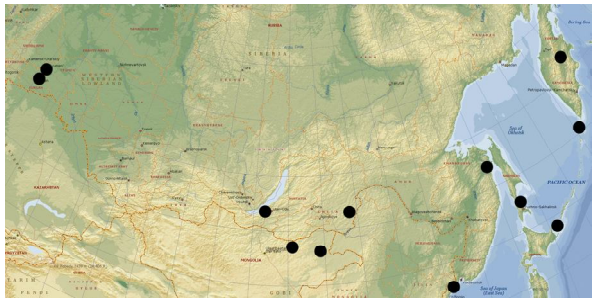

Fig. 1. Locality map of *Eubrychius velutus* distribution in North Asia.

Рис. 1. Карта распространения *Eubrychius velutus* в Северной Азии.

Pelenomus canaliculatus (Fahraeus, 1843)

Fig. 3.

Pelenomus canaliculatus (Fahraeus, 1843): Korotyaev, 1980 (Yakutsk); Sergeeva, Dedyukhin, 2018 (Tyumenskaya Oblast: Berdyugye).

Material. **West Siberia, *Tyumenskaya Oblast:*** Yalutorovskii District, Singul Lake, 56°34'31.5" N, 66°04'17.4" E, E bank, 10.V.2022, V. Stolbov — 1 spm. (CTU); ***Novosibirskaya Oblast:*** Ordynskii District, Novyi Sharap vill., 18.VI.1957, F. Opanassenko — 1 spm. (ISEA); Maslyaninskii District, Maslyanino vill., 7.VII.1964 — 1 spm. (ISEA); ***Kemerovskaya Oblast:*** Krapivinskii District, 8 km SW Saltymakovo vill., env. Azhendarovo vill., h-150 m a.s.l., 3–8.VI.2013, A. Korshunov — 1 spm. (ISEA).

Remarks. The species develops on *Myriophyllum verticillatum* L. and *M. spicatum* L. [Dieckmann, 1972; Smreczynski, 1974], but also was found on *Polygonum hydropiper* L., *P. mile* Schrank, and *Potamogeton natans* L. [Colonnelli, 2004].

Distribution. Transpalaearctic boreal species.

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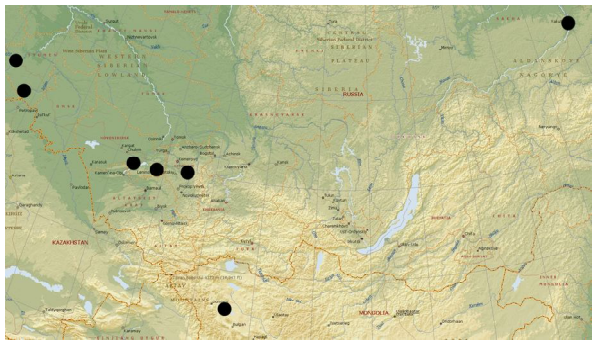

Fig. 3. Locality map of *Pelenomus canaliculatus* distribution in North Asia.

Рис. 3. Карта распространения *Pelenomus canaliculatus* в Северной Азии.

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