

New records of Bagoini and Phytobiini (Coleoptera, Curculionidae) in Siberia, Russia

Новые находки Bagoini и Phytobiini (Coleoptera, Curculionidae) в Сибири

A.A. Legalov*, V.A. Stolbov**

А.А. Легалов*, В.А. Столбов**

* Altai State University, Lenina Str. 61, Barnaul 656049 Russia. E-mail: fossilweevils@gmail.com.

* Алтайский государственный университет, ул. Ленина 61, Барнаул 656049 Россия.

** Tyumen State University, Volodarskogo 6, Tyumen 625003 Russia. E-mail: vitusstgu@mail.ru.

** Тюменский государственный университет, ул. Володарского 6, Тюмень 625003 Россия.

Key words: Curculionoidea, Eirrhinae, Conoderinae, *Bagous*, *Eubrychius*, *Phytobius*, *Neophytobius*, new record, Russia.

Ключевые слова: Curculionoidea, Eirrhinae, Conoderinae, *Bagous*, *Eubrychius*, *Phytobius*, *Neophytobius*, новая находка, Россия.

Abstract. In article the first records of *Bagous* (*Dicranthus*) *majzlani* (Kodada, Holecová et Behne, 1992) for Siberia; *B. (Macropelmus) nodulosus* Gyllenhal, 1836 for Omskaya Oblast and North Kazakhstanskaya Oblast; *Eubrychius velutus* (Beck, 1817) for Yamalo-Nenetskii Autonomous Okrug and Irkutskaya Oblast; *Phytobius leucogaster* (Marsham, 1802) for Irkutskaya Oblast; *Neophytobius muricatus* (C. Brisout de Barneville, 1867) for Novosibirskaya Oblast are presented.

Резюме. В статье приводятся первые находки *Bagous* (*Dicranthus*) *majzlani* (Kodada, Holecová et Behne, 1992) в Сибири; *B. (Macropelmus) nodulosus* Gyllenhal, 1836 в Омской и Северо-Казахстанской областях; *Eubrychius velutus* (Beck, 1817) в Ямало-Ненецком автономном округе и Иркутской области; *Phytobius leucogaster* (Marsham, 1802) в Иркутской области; *Neophytobius muricatus* (C. Brisout de Barneville, 1867) в Новосибирской области.

Introduction

The weevils belonging to the tribes Bagoini of the subfamily Eirrhinae and Phytobiini of the subfamily Conoderinae include species that inhabit wet and aquatic environments. The tribe Phytobiini is represented in Siberia by six genera and 26 species [Legalov, 2020b]. A total of 22 species belonging to two genera of the tribe Bagoini are known to inhabit Siberia [Legalov, 2020b]. This paper reports the first discovery of five species in Siberia (Yamalo-Nenetskii Autonomous Okrug, Kurganskaya Oblast, Omskaya Oblast, Novosibirskaya Oblast and Irkutskaya Oblast, as well as North Kazakhstanskaya Oblast).

Materials and methods

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 systematics of the studied taxa based on Legalov [2018, 2020a].

The present work is registered in ZooBank (www.zoobank.org) under urn:lsid:zoobank.org:pub:9AE6FF1E-A9C0-44DF-8387-8850742756C0

Results

Curculionoidea: **Curculionidae:**

Eirrhinae: Bagoini

Bagous Germar, 1817

Bagous (*Dicranthus*) Motschulsky, 1845

Bagous (*Dicranthus*) *majzlani*

(Kodada, Holecová et Behne, 1992)

Figs 1–2.

Material. Russia, *Kurganskaya Oblast*: 1♂ — Makushinskii District, env. Kapkul lake, small lake, 13.IX.2025, V. Stolbov leg. (ISEA).

Distribution. Europe: Czech Republic, Germany, Hungary, Italy, the Netherlands, Poland, Romania, and Slovakia [Alonso-Zaragoza et al., 2023]; Russia: Volgogradskaya Oblast (Sarepta) [Kodada et al., 1992]; West Siberia: Kurganskaya Oblast.

Trophic relations. The larvae develop on *Glyceria maxima* (Hartm.) [Kodada et al., 1992].

Remarks. This is the first record of this species in Siberia and the easternmost record.

Bagous (*Macropelmus*) Dejean, 1821

Bagous (*Macropelmus*) *limosus* (Gyllenhal, 1827)

Material. Russia, *Kurganskaya Oblast*: 1♀ — Belozersky District, env. Revchikino, oxbow of the Tobol River, 4.VI.2022, V. Stolbov leg. (CTU).

Distribution. West and Central Palaearctic [Alonso-Zaragoza et al., 2023].

In Siberia this species is known from Khanty-Mansi Autonomous Okrug, Tyumenskaya Oblast, Kurganskaya Oblast, Tomskaya Oblast, Novosibirskaya Oblast, Krasnoyarskii



Figs 1–2. Details of *Bagous majzlani* male morphology. 1 — external appearance, dorsal view; 2 — aedeagus, dorsal view. Scale bars: 1 — 2.0 mm, 2 — 0.5 mm.

Рис. 1–2. Детали строения самца *Bagous majzlani*. 1 — внешний вид, вид сверху; 2 — эдеагус, вид сверху. Масштаб: 1 — 2,0 мм, 2 — 0,5 мм.

Krai, Irkutskaya Oblast, Republic of Sakha (Yakutia) [Legalov, 2020b].

Trophic relations. The larvae develop on *Potamogeton* [Smreczyński, 1972; Dieckmann, 1983].

Bagous (Macropelmus) nodulosus
Gyllenhal, 1836

Material. Russia, *Omskaya Oblast*: 2♀♀ — Bolsherechenskii District, env. Bolsherechie, oxbow of the Irtysh River, on *Stratiotes aloides* L., 26.V.2022, V. Stolbov leg. (ISEA, CTU). *Kazakhstan, North Kazakhstanskaya Oblast*: 1♀ — Kyzylzhar District, env. Novonikolskoe, floodplain pond of the Ishim River, 16.VII.2024, K. Krylov leg. (CTU).

Distribution. Europe, Asia minor [Alonso-Zarazaga et al., 2023], Kazakhstan [Bajtenov, 1974], West Siberia: Khanty-Mansi Autonomous Okrug, Tyumenskaya Oblast, Omskaya Oblast, Altaiskii Krai [Legalov, 2020b].

Trophic relations. The larvae develop on *Butomus umbellatus* L. [Smreczyński, 1972; Dieckmann, 1983].

Remarks. This is the first records of this species for Omskaya Oblast and North Kazakhstanskaya Oblast.

Curculionoidea: **Curculionidae**: Conoderinae:
Ceutorhynchitae: Phytobiini
Eubrychius Thomson, 1859
Eubrychius velutus (Beck, 1817)

Material. Russia, *Yamalo-Nenetskii Autonomous Okrug*: 2 ex. — env. Labytnangi, Ob River, 8.VIII.2024, V. Stolbov leg. (ISEA, CTU); *Irkutskaya Oblast*: 3 ex. — Ol'khonskii District, Ol'khon Island, Khankhoi lake, on *Myriophyllum*, 19.VIII.2025, V. Stolbov leg. (CTU).

Distribution. Europe, Kazakhstan, Siberia (Yamalo-Nenetskii Autonomous Okrug, Tyumenskaya Oblast, Kur-ganskaya Oblast, Republic of Khakassia, Altai Republic, Irkutskaya Oblast, Republic of Buryatia, Zabaikalskii Krai) and the Russian Far East (Khabarovskii Krai, Kamchatskii Krai, Primorskii Krai, Sakhalinskaya Oblast, the Kuril Islands) [Legalov, 2020b; Legalov, Stolbov, 2022; Alonso-Zarazaga et al., 2023; Agrikolyanskaya et al., 2025].

Trophic relations. The larvae develop on *Myriophyllum verticillatum* L., *M. spicatum* L. and *M. elatinoides* Gaud. [Dieckmann, 1972; Smreczyński, 1974; Colonelli, 2004].

Remarks. This is the first record of this species for Yamalo-Nenetskii Autonomous Okrug and Irkutskaya Oblast.

Phytobius Schönherr, 1833

Phytobius leucogaster (Marshall, 1802)

Material. Russia, *Irkutskaya Oblast*: 1 ex. — Ol'khonskii District, Ol'khon Island, Khankhoi lake, on *Myriophyllum*, 19.VIII.2025, V. Stolbov leg. (CTU).

Distribution. Holarctic.

Trophic relations. The larvae develop on *Myriophyllum verticillatum* L. and *M. spicatum* L. [Dieckmann, 1972; Smreczyński, 1974; Colonelli, 2004].

Remarks. This is the first record of this species for Irkutskaya Oblast.

Neophytobius muricatus

(C. Brisout de Barneville, 1867)

Material. Russia, *Novosibirskaya Oblast*: 1 ex. — Kochenevskii District, oxbow lake on Chik River, 54.9797°N, 82.3333°E, 10.IX.2023, R. Dudko leg. (ISEA).

Distribution. North, Central and Eastern Europe, West Siberia (Tyumenskaya Oblast, Novosibirskaya Oblast) [Legalov, 2020b; Alonso-Zarazaga et al., 2023].

Trophic relations. On *Comarum palustre* L. [Hassler, Rheinheimer, 2013].

Remarks. This is the first record of this species for Novosibirskaya Oblast.

Acknowledgements

The authors thank R. Yu. Dudko (Novosibirsk) for the help with this research.

References

- Agrikolyanskaya N.I., Gurina A.A., Dudko R.Y., Reshetnikov S.V., Legalov A.A. 2025. A list of the superfamily Curculionoidea (Coleoptera) from North-East Altai, Siberia // *Ecologica Montenegrina*. Vol.86. P.15–70. <https://doi.org/10.37828/em.2025.86.2>
- Alonso-Zarazaga M.A., Barrios H., Borovec R., Bouchard P., Caldara R., Colonelli E., Gültekin L., Hlaváč P., Korotyaev B., Lyl C.H.C., Machado A., Meregalli M., Pierotti H., Ren L., Sánchez-Ruiz M., Sforzi A., Silfverberg H., Skuhrovec J., Trýzna M., Velázquez de Castro A.J., Yunakov N.N. 2023. Cooperative catalogue of Palaearctic Coleoptera Curculionoidea. 2nd Edition // *Monografias electrónicas*. Vol.14. 780 p.
- Bajtenov M.S. 1974. Zhuki-dolgonosiki (Coleoptera: Attelabidae, Cuculionidae) Sredney Azii i Kazakhstana illyustrirovannyi opredelitel' rodov i katalog vidov. Alma-Ata: Nauka Kazakhskoy SSR. 285 p. [In Russian].
- Colonelli E. 2004. Catalogue of Ceutorhynchinae of the world, with a key to genera (Insecta: Coleoptera: Curculionidae). Barcelona: Argania edition. 124 p.
- Dieckmann L. 1972. Beiträge zur Insektenfauna der DDR: Coleoptera Curculionidae: Ceutorhynchinae // *Beiträge zur Entomologie*. Bd.22. Nr. 1–2. P.3–128.

- Dieckmann L. 1983. Beiträge zur Insektenfauna der DDR: Tanymericinae, Leptopiinae, Cleoninae, Tanyrhynchinae, Cossoninae, Raymondionyminae, Bagoiinae, Tanysphyrinae // Beiträge zur Entomologie. Bd.33. Nr.2. S.257–381.
- Hassler M., Rheinheimer J. 2013. Die Rüsselkäfer Baden-Württembergs. Verlag Regionalkultur. 944 s.
- Kodada J., Holecová M., Behne L. 1992. The genus *Dicranthus*. I. Taxonomic revision, karyology and notes on the biology (Coleoptera: Curculionidae) // Koleopterologische Rundschau. Bd.62. P.195–211.
- Legalov A.A. 2018. Annotated key to weevils of the world. Part 3. Subfamily Conoderinae (Coleoptera, Curculionidae) // Ukrainian Journal of Ecology. Vol.8. No.4. P.494–503.
- Legalov A.A. 2020a. Annotated key to weevils of the world. Part 4. Subfamilies Erihrinae, Dryophthorinae and Cossoninae (Curculionidae) // Ukrainian Journal of Ecology. Vol.10. No.2. P.319–331. https://doi.org/10.15421/2020_104
- Legalov A.A. 2020b. Revised checklist of weevils (Coleoptera: Curculionoidea excluding Scolytidae and Platypodidae) from Siberia and the Russian Far East // Acta Biologica Sibirica. Vol.6. P.437–549. <https://doi.org/10.3897/abs.6.e59314>
- Legalov A.A., Stolbov V.A. 2022. New records of weevils (Coleoptera, Curculionidae) associated with *Myriophyllum* sp. in West Siberia, Russia // Euroasian Entomological Journal. Vol.21. No.6. P.361–363. <https://doi.org/10.15298/euroasentj.21.6.10>
- Smreczyński S. 1972. Klucze do oznaczania owadów Polski. XIX (98d). Ryjkowce — Curculionidae. Podrodzina — Curculioninae. Warszawa: Państwowe Wydawnictwo Naukowe. 195 p.
- Smreczyński S. 1974. Klucze do oznaczania owadów Polski. XIX (98e). Ryjkowce — Curculionidae. Podrodzina — Curculioninae. Plemiona: Barini, Coryssomerini, Ceutorhynchini. Warszawa: Państwowe Wydawnictwo Naukowe. 180 p.

Поступила в редакцию 13.2.2025