

**First records of *Dorytomus kerzhneri* Egorov et Korotyaev, 1974
and *D. artjuchovi* Korotyaev, 1976 (Coleoptera, Curculionidae) from the Chara
Depression, Zabaikalskii Krai, Russia**

**Первые находки *Dorytomus kerzhneri* Egorov et Korotyaev, 1974 и *D. artjuchovi*
Korotyaev, 1976 (Coleoptera, Curculionidae) в Чарской котловине**

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Ключевые слова: Curculionoidea, Curculioninae, Ellescini, новая находка, Забайкальский край, Восточная Сибирь.

Abstract. *Dorytomus (Dorytomus) kerzhneri* Egorov et Korotyaev, 1974 and *D. (D.) artjuchovi* Korotyaev, 1976 of the tribe Ellescini (Curculionidae: Curculioninae) are recorded in the Chara Depression, Zabaikalskii Krai, Russia, for the first time. It is westernmost registration of *D. (D.) kerzhneri* firstly registered for Siberia.

Резюме. В статье для Чарской котловины в Забайкальском крае приводятся первые находки *Dorytomus (Dorytomus) kerzhneri* Egorov et Korotyaev, 1974 и *D. (D.) artjuchovi* Korotyaev, 1976 из трибы Ellescini (Curculionidae: Curculioninae). Это самая западная находка *D. (D.) kerzhneri*, а также первое обнаружение этого вида в Сибири.

Introduction

The genus *Dorytomus* Germar, 1817 includes 68 species distributed in the Holarctic [Legalov, 2024f]. In total, 28 species were known from Siberia [Legalov, 2020, 2024f; Korotyaev et al., 2024; Agrikolyanskaya et al., 2025]. *Dorytomus (Dorytomus) longimanus* (Forster, 1771), *D. (D.) suvorovi* Reitter, 1911, *D. (D.) nordenskioldi* Faust, 1883, *D. (Arctolamus) imbecillus* Faust, 1883, *D. (Euolamus) subcinctus* Faust, 1883, *D. (Mesodorytomus) cinereus* (Hochhuth, 1851), *D. (M.) annae* Korotyaev, 1976 were found in Zabaikalskii Krai [Legalov, 2024f]. *Dorytomus (Eudorytomus) leucophyllus* (Motschulsky, 1845) as *D. subsignatus* (Mannerheim 1853) was recorded from Apsat River, the Chara Depression [Bessolitsyna, Shilenkov, 1980]. Thus, seven *Dorytomus* species were known from Zabaikalskii Krai.

This paper presents the first registration of two species of the genus *Dorytomus* from the Chara Depression, Zabaikalskii Krai, Russia.

It is also a continuation of the Legalov's previous work on the subfamily Curculioninae [Legalov, 2024a–i, 2025a, b; Legalov et al., 2017, 2023; Agrikolyanskaya et al., 2025; Dubatolov, Legalov, 2025].

Materials and methods

Specimens are deposited in the private collection of S.V. Reshetnikov, Novosibirsk, Russia.

The systematics of the studied taxa based on Legalov [2024f].

The present work is registered in ZooBank (www.zoobank.org) under urn:lsid:zoobank.org:pub:F9BB0FE3-AB4F-4B66-93EB-9A5848A2FA0D

Results

Curculionoidea: **Curculionidae:** Curculioninae:

Curculionini: Ellescini

***Dorytomus* Germar, 1817**

Dorytomus kerzhneri species group

Dorytomus (Dorytomus) kerzhneri

Egorov et Korotyaev, 1974

Figs 1, 3–4, 7.

Material. Russia, *Zabaikalskii Krai*, 1♂, Kalarsky municipal district, south-eastern outskirts of Novaya Chara, floodplain of Nirungnakan River, 56°47'08" N, 118°17'21" E, 28–29.VII.2025, S.V. Reshetnikov leg.

Distribution. Russia (Fig. 7): East Siberia: Zabaikalskii Krai; Russian Far East: Magadanskaya Oblast, Khabarovskii Krai, Primorskii Krai [Egorov, Korotyaev, 1974; Korotyaev, 1996; Legalov, 2009, 2020, 2024f].

Trophic relations. The larvae develop on *Populus suaveolens* Fischer [Korotyaev, 1996; Legalov, 2024f].



Figs 1–2. External appearance of *Dorytomus* species males, Zabaikalskii Krai, dorsal view. 1 — *D. (D.) kerzhneri*; 2 — *D. (D.) artjuchovi*.

Рис. 1–2. Внешний вид самцов *Dorytomus* spp., Забайкальский край, вид сверху. 1 — *D. (D.) kerzhneri*; 2 — *D. (D.) artjuchovi*.

Remarks. The westernmost localities were in the Ussuriysky District of Primorskii Krai [Egorov, Korotyaev, 1974]. This is the first record of this species in East Siberia and the westernmost record.

The Botcha River is mentioned in the type material for *Dorytomus kerzhneri* [Egorov, Korotyaev, 1974], but it is located in Khabarovskii Krai, not Primorskii Krai.

Dorytomus nordenskioldi species group

Dorytomus (Dorytomus) artjuchovi Korotyaev, 1976

Figs 2, 5–6, 8.

Material. Russia, **Zabaikalskii Krai**, 1♂, Kalarsky municipal district, south-eastern outskirts of Novaya Chara, floodplain of Nirungnakan River, 56°47'08" N, 118°17'21" E, 28–29.VII.2025, S.V. Reshetnikov.



Figs 3–6. Aedeagi of *Dorytomus* sp., Zabaikalskii Krai: *D. (D.) kerzhneri* (3, 4) and *D. (D.) artjuchovi* (5, 6). 3, 5 — dorsal view; 4, 6 — lateral view. Scale bar 1.0 mm.

Рис. 3–6. Эдеагусы двух видов рода *Dorytomus*, Забайкальский край: *D. (D.) kerzhneri* (3, 4) и *D. (D.) artjuchovi* (5, 6). 3, 5 — вид сверху; 4, 6 — вид сбоку. Масштаб: 1,0 мм.

Distribution. Russia (Fig. 8): East Siberia: Irkutskaya Oblast, Republic of Buryatia, Zabaikalskii Krai; Russian Far East: Kamchatskaya Oblast, Magadanskaya Oblast, Khabarovskii Krai, Primorskii Krai; China: Jilin [Korotyaev, 1976, 1996; Legalov, 2020, 2024f; Alonso-Zarazaga et al., 2023; Korotyaev et al., 2024].

Trophic relations. The larvae develop on *Populus suaveolens* Fischer, *P. koreana* Rehder and *P. maximowiczii* A. Henry [Korotyaev, 1996; Korotyaev et al., 2024; Legalov, 2024f].

Remarks. This species was firstly recorded by Legalov [2010] in the Irkutskaya Oblast and the Republic of Buryatia. Although there are no specimens of this species in the collection of the Institute of Systematics and Ecology of Animals, Novosibirsk, the presence of *Populus suaveolens* in these regions makes it highly likely that *Dorytomus (D.) artjuchovi* inhabits the Irkutskaya Oblast and the Republic of Buryatia.

This is the first time this species has been recorded in the Zabaikalskii Krai.

Discussion

The widespread presence of *Populus suaveolens* in the Chara Depression makes the registration of associated species quite expected. *Dorytomus (D.) suvorovi* has not yet been found in modern fauna, but specimens have been collected from late Holocene deposits [Buleu et al., 2025]. It is certain that this species inhabits the studied region. One might also expect to find of *Olamus (Orolamus) inexpectatus* Korotyaev, 1976, which is associated with *Populus suaveolens* [Korotyaev, 1996]. So far, it is only known from Magadanskaya Oblast and Primorskii Krai [Korotyaev, 1996; Legalov, 2024f].

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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., Colonnelli 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 Palearctic Coleoptera Curculionoidea. 2nd Edition // *Monografías electrónicas*. Vol.14. 780 p.
- Bessolitsyna E.P., Shilenkov V.G. 1980. [Coleoptera of Chara Hollow] // *Chlenistonogie Sibiri i Dal'nego Vostoka*. Irkutsk. P.79–101. [In Russian].
- Egorov A.B., Korotyaev B.A. 1974. [A new species of weevils of the genus *Dorytomus* Germ. (Coleoptera, Curculionidae) from the fauna of the USSR] // *Entomologicheskoe Obozrenie*. Vol.53. No.3. P.667–669. [In Russian].
- Korotyaev B.A. 1976. [A review of weevils of the genus *Dorytomus* Germ. (Coleoptera, Curculionidae) of North-Eastern Asia] // *Entomologicheskoe Obozrenie*. Vol.55. No.1. P.124–136. [In Russian].
- Korotyaev B.A. 1980. [Material on the weevil fauna (Coleoptera, Curculionidae) of the northeastern USSR] // [Studies on the

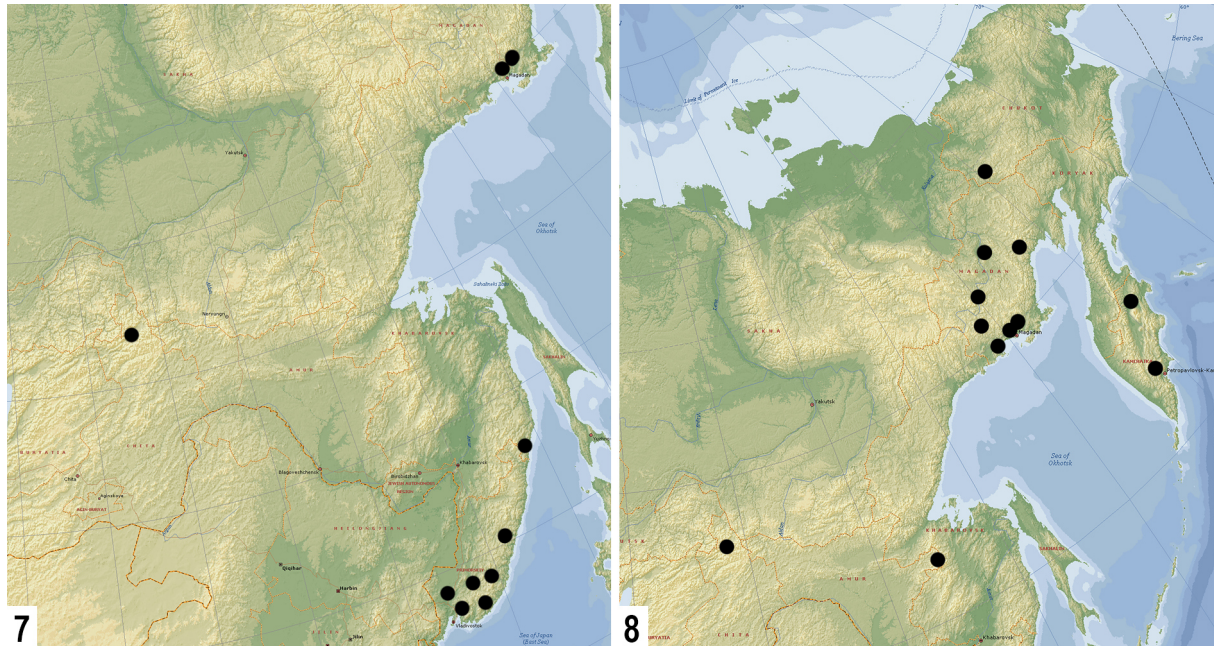


Fig. 7. Distribution maps of *Dorytomus* species. 7 — *D. (D.) kerzhneri*; 8 — *D. (D.) artjuchovi*.

Рис. 7. Карты распространения двух видов рода *Dorytomus*. 7 — *D. (D.) kerzhneri*; 8 — *D. (D.) artjuchovi*.

- entomofauna of the northeastern USSR]. Vladivostok. P.23–50. [In Russian].
- Korotyaev B.A. 1996. 131. *Dorytomus* Germ. // Ler P.A. (Ed.): *Opredelitel' nasekomykh Dal'nego Vostoka SSSR*. Vol.3. *Zhestkokrylyye ili zhuki*. Pt.3. Vladivostok: Dal'nauka. P.468–478. [In Russian].
- Korotyaev B.A., Markova T.O., Maslov M.V. 2024. Species of the weevil genus *Dorytomus* Germar (Coleoptera: Curculionidae) associated with poplars in the Ussuriysky Nature Reserve and adjacent area // *Far Eastern Entomologist*. Vol.505. P.17–24. <https://doi.org/10.25221/fee.505>
- Legalov A.A. 2009. [Family Curculionidae — weevils] // Storozhenko S. Yu., Sundukov Yu.N., Leley A.S., Sidorenko V.S., Proshchalykin M.Yu., Kupyanskaya A.N. (Eds): *Nasekomye Lazovskogo zapovednika*. Vladivostok: Dal'nauka. P.196–206. [In Russian].
- Legalov A.A. 2010. Annotated checklist of species of superfamily Curculionoidea (Coleoptera) from Asian part of the Russia // *Amurskii Zoologicheskii Zhurnal*. Vol.2. No.2. P.93–132. Doi:10.33910/1999-4079-2010-2-2-93-132
- Legalov A.A. 2020. 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. 2024a. First record of *Anthonomus pedicularis* (Linnaeus, 1758) (Coleoptera, Curculionidae) from the Novosibirskaya Oblast of Russia // *Euroasian Entomological Journal*. Vol.23. No.1. P.41–42. <https://dx.doi.org/10.15298/euroasentj.23.01.08>
- Legalov A.A. 2024b. A new genus of the tribe Rhamphini (Coleoptera: Curculionidae) from Zimbabwe // *Ecologica Montenegrina*. Vol.72. P.136–140. <https://dx.doi.org/10.37828/em.2024.72.12>
- Legalov A.A. 2024c. Two new species of genus *Imachra* Pascoe, 1874 (Coleoptera: Curculionidae) from Vietnam // *Ecologica Montenegrina*. Vol.73. P.39–45. <https://dx.doi.org/10.37828/em.2024.73.4>
- Legalov A.A. 2024d. A new species of the genus *Orchestes* Illiger, 1798 (Coleoptera, Curculionidae) from Mindanao island, the Philippines // *Euroasian Entomological Journal*. Vol.23. No.2. P.102–104. <https://doi.org/10.15298/euroasentj.23.02.05>
- Legalov A.A. 2024e. First record of the genus *Megorchestes* Kojima, 2011 (Coleoptera: Curculionidae) from the Philippines // *Ecologica Montenegrina*. Vol.75. P.98–102. <https://dx.doi.org/10.37828/em.2024.75.9>
- Legalov A.A. 2024f. Reclassification of the tribe Ellescini (Coleoptera: Curculionidae) // *Ecologica Montenegrina*. Vol.75. P.200–241. <https://doi.org/10.37828/em.2024.75.19>
- Legalov A.A. 2024g. First record of the genus *Prionobrachium* Faust, 1894 (Coleoptera: Curculionidae) from Colombian copal // *Ecologica Montenegrina*. Vol.79. P.113–117. <https://doi.org/10.37828/em.2024.79.10>
- Legalov A.A. 2024h. A new species of the genus *Sphinxis* Roelofs, 1875 (Coleoptera, Curculionidae) from China // *Baltic Journal of Coleopterology*. Vol.24. No.2. P.235–238.
- Legalov A.A. 2024i. First record of *Sphinxis cryptica* Kojima & Morimoto, 2000 (Coleoptera, Curculionidae) from Russia // *Euroasian Entomological Journal*. Vol.23. No.6. P.369–372. <https://doi.org/10.15298/euroasentj.23.06.14>
- Legalov A.A. 2025a. A new species of the genus *Imachra* Pascoe, 1874 (Coleoptera, Curculionidae) (Coleoptera, Curculionidae) from Mindanao Island, the Philippines // *Euroasian Entomological Journal*. Vol.24. No.1. P.17–19. <https://doi.org/10.15298/euroasentj.24.01.06>
- Legalov A.A. 2025b. Two new species of the genus *Sphinxis* Roelofs, 1875 (Coleoptera: Curculionidae) from the Oriental Region // *Ecologica Montenegrina*. Vol.91. P.36–41. <https://doi.org/10.37828/em.2025.91.5>
- Legalov A.A., Nel A., Kirejtshuk A.G. 2017. New and little known weevils (Coleoptera: Curculionoidea) from the Paleocene of Menat (France) // *Comptes Rendus Palevol*. Vol.16. No.3. P.248–256. <https://doi.org/10.1016/j.crpv.2016.10.007>
- Legalov A.A., Vasilenko D.V., Perkovsky E.E. 2023. New proxy for Moraceae in Priabonian of Europe: first record of the genus *Demimaesa* Pascoe, 1870 (Coleoptera: Curculionidae) from Eocene Rovno amber // *Historical Biology*. Vol.35. No.8. P.1322–1328. <https://doi.org/10.1080/08912963.2022.2089983>

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