

Rare and regionally new beetles (Coleoptera) from Kaliningradskaya Oblast, Russia

Редкие и впервые обнаруженные в Калининградской области России виды жесткокрылых (Coleoptera)

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Ключевые слова: фауна, жук, новая находка, распространение.

Abstract. New records of 31 species belonging to 15 families of Coleoptera from Kaliningradskaya Oblast are presented. Fourteen species, *Bembidion monticola* Sturm, 1825, *Elaphropus quadrisignatus* (Duftschmid, 1812), *Elaphropus parvulus* (Dejean, 1831), *Elaphrus aureus* Müller, 1821, *Ophonus rupicola* (Sturm, 1818), *Stenolophus skrimshirani* Stephens, 1828, *Tachys bistriatus* (Duftschmid, 1812), *Hydrochus megaphallus* Berge Henegouwen, 1988, *Agrilus auricollis auricollis* Kiesenwetter, 1857, *Dicerca furcata* (Thunberg, 1787), *Pomatinus substriatus* (Müller, 1806), *Anostirus purpureus* (Poda, 1761), *Lixus* (*Ortholixus*) *tibialis* Boheman, 1842, and *Mogulones euphorbiae* Brisout de Barneville, 1866 are registered for the studied area for the first time, and seven species, *Agrilus derasofasciatus* Lacordaire, 1835, *Glischrochilus tremulae* Clayhills, Audisio, Cline, 2016, *Synchita variegata* Hellwig, 1792, *Colydium noblecourti* Parmain, Eckelt, Schuh, 2024, *Phloiodya rufipes* (Gyllenhal, 1810), *Lignyodes bischoffi* (Blatchley, 1916) and *Magdalis rufa* Germar, 1823 for the central region of European part of Russia.

Резюме. Приводятся новые находки 31 вида из 15 семейств жесткокрылых в Калининградской области. Четырнадцать видов: *Bembidion monticola* Sturm, 1825, *Elaphropus quadrisignatus* (Duftschmid, 1812), *Elaphropus parvulus* (Dejean, 1831), *Elaphrus aureus* Müller, 1821, *Ophonus rupicola* (Sturm, 1818), *Stenolophus skrimshirani* Stephens, 1828, *Tachys bistriatus* (Duftschmid, 1812), *Hydrochus megaphallus* Berge Henegouwen, 1988, *Agrilus auricollis auricollis* Kiesenwetter, 1857, *Dicerca furcata* (Thunberg, 1787), *Pomatinus substriatus* (Müller, 1806), *Anostirus purpureus* (Poda, 1761), *Lixus* (*Ortholixus*) *tibialis* Boheman, 1842, и *Mogulones euphorbiae* Brisout de Barneville, 1866 впервые указываются для области, и семь видов: *Agrilus derasofasciatus* Lacordaire, 1835, *Glischrochilus tremulae* Clayhills, Audisio, Cline, 2016, *Synchita variegata* Hellwig, 1792, *Colydium noblecourti* Parmain, Eckelt, Schuh, 2024, *Phloiodya rufipes* (Gyllenhal, 1810), *Lignyodes bischoffi* (Blatchley, 1916) и *Magdalis rufa* Germar, 1823 — для фауны центра Европейской части России.

Introduction

The present article continues the series of previous reports [e.g. Alekseev et al., 2015; Alekseev, 2020; Aleksandrowicz, Zinoviev, 2024] on significant faunal

findings of beetles (Coleoptera) in the territory of Kaliningradskaya Oblast and add supplementary data to the earlier published regional lists of several coleopteran groups [e.g. Alekseev, 2008; 2016; 2018; 2022; Alekseev, Bukejs, 2014]. Due to the increasing anthropogenic transformation and fragmentation of natural ecosystems, and supposed climatic changes in Europe during the current century, which lead to range decrease or increase in several European beetles [Wendorff, Schmitt, 2019], the collection of up-to-date information on adventive and on poorly studied regional Coleoptera species is of certain interest for various generalizations concerning possible changes in the insect diversity of Europe as well as forecasts of beetles' faunal dynamics and changes now and in the near future.

Materials and methods

The presented material was mainly collected by the author during the years 2023–2024, although several specimens mentioned in the paper have been sampled earlier (2015–2022). The sampling localities are situated in the western, south-western and central parts of Kaliningradskaya Oblast. Examined habitats included different types of seminatural forested areas, urban and suburban territories as well as the Baltic coastal areas (the surf zone, cliff zone and sandy beach). Field surveys were conducted using classical beetle collection technique: adult beetles were collected by hand during visual searching on soil, under bark *et cetera* or by sweeping on vegetation using entomological hand net. The examined material is deposited in the private collection of the author (Kaliningrad, Russia). Color photographs for the mentioned beetles in nature or in laboratory (if have been made by the author) are deposited in the web-platform *iNaturalist* (<https://www.inaturalist.org>) and the comment to each species in the list below is provided with the corresponding link.

The specimens were identified based on the standard European identification guide [Freude et al., 1965–1989; 2004], as well as using additional identification refer-

ences for the genera *Colydium* [Parmain et al., 2024], *Glischrochilus* [Clayhills et al., 2016; Clayhills, 2017], and *Hydrochus* [Köhler, 2010].

The annotated list of rare and regionally new beetles (Coleoptera) from the Kaliningradskaya Oblast of Russia is presented in the Appendix (p. 1–5).

The present work is registered in ZooBank (www.zoobank.org) under urn:lsid:zoobank.org:pub:75D5C62B-4D51-4CC8-8B05-EECA4E-404FE3

Results

During examination and identification of the materials from the territory of Kaliningradskaya Oblast, a list of 31 most interesting (insufficiently known and sporadically distributed in the Baltic States) species was compiled. Nine species of Carabidae, 5 of Carabidae, 3 of Buprestidae, 2 of Chrysomelidae and Zopheridae, and one species of the families Coccinellidae, Dryopidae, Elateridae, Halipidae, Hydrochidae, Limnichidae, Lycidae, Melandryidae, Nitidulidae, and Scarabaeidae are listed. Of these, 14 species of Coleoptera, *Bembidion monticola* Sturm, 1825 [Bercio, Folwaczny, 1979; Kovalenko, Telnov, 2018], *Elaphropus quadrisignatus* (Duftschmid, 1812) [Bercio, Folwaczny, 1979; Kopecký, 2003; Alekseev, 2020], *Elaphropus parvulus* (Dejean, 1831) [Bercio, Folwaczny, 1979; Ferenca, 2003; Kopecký, 2003; Silfverberg, 2010; Aleksandrowicz, 2012], *Elaphrus aureus* Müller, 1821 [Bercio, Folwaczny, 1979; Günther, Hölscher, 2004; Silfverberg, 2010; Tamutis et al., 2011], *Ophonus rupicola* (Sturm, 1818) [Bercio, Folwaczny, 1979], *Stenolophus skrimshirani* Stephens, 1828 [Burakowski et al., 1974; Bercio, Folwaczny, 1979; Aleksandrowicz et al., 1996; Silfverberg, 2010], *Tachys bistriatus* (Duftschmid, 1812) [Bercio, Folwaczny, 1979; Shilenkov, 2002; Tamutis et al., 2011], *Hydrochus megaphallus* Berge Henegouwen, 1988 [Berge Henegouwen, 1988; Köhler, 2010], *Agrilus auricollis auricollis* Kiesenwetter, 1857 [Aleksandrowicz et al., 1996; Telnov, 2004], *Dicerca furcata* (Thunberg, 1787) [Bercio, Folwaczny, 1979; Silfverberg, 2010; Kwast, 2011; Ruicănescu et al., 2022], *Pomatinus substriatus* (Müller, 1806) [Bercio, Folwaczny, 1979; Tamutis et al., 2011; Twardy, 2015; Moroz, Lipinskaya, 2017], *Anostirus purpureus* (Poda, 1761) [Bercio, Folwaczny, 1979; Silfverberg, 2010; Ferenca, 2021], *Lixus (Ortholixus) tibialis* Boheman, 1842 [Bercio, Folwaczny, 1979; Silfverberg, 2010; Khisanova, 2011; Wanat, Mokrzycki, 2018; Alonso-Zarazaga et al., 2019; Volovnik, Pavlyuk, 2020], **Mogulones euphorbiae* Brisout de Barneville, 1866 [Bercio, Folwaczny, 1979; Nilsson, 2009; Silfverberg, 2010; Wanat, Mokrzycki, 2018], are recorded from the territory corresponding to Kaliningradskaya Oblast for the first time (marked in the list with one asterisk) and 7 species, *Agrilus derasofasciatus* Lacordaire, 1835 [Gutowski, Szwalko, 1990; Jendek, 2016], *Glischrochilus tremulae* Clayhills, Audisio, Cline, 2016 [Clayhills et al., 2016; Clayhills, 2017; Lasoń, 2023], *Synchita variegata* Hellwig, 1792 [Bercio, Folwaczny,

1979; Silfverberg, 2010; Mateleshko, 2005; Heijerman et al., 2018; Diedus et al., 2022], *Colydium noblecourtii* Parmain, Eckelt, Schuh, 2024 [Parmain et al., 2024], *Phloiortya rufipes* (Gyllenhal, 1810) [Bercio, Folwaczny, 1979; Telnov, 2004; Konvička, Merkl, 2015; Tamutis et al., 2019], *Lignyodes bischoffi* (Blatchley, 1916) [Bercio, Folwaczny, 1979; Wanat, Mocarski, 2008; Arzanov, 2013; Volovnik et al., 2019; Rimšaitė, Ivinskis, 2021], *Magdalis rufa* Germar, 1823 [Bercio, Folwaczny, 1979; Silfverberg, 2010; Tamutis et al., 2011; Balalaikins, 2012; Wanat, Mokrzycki, 2018; Alonso-Zarazaga et al., 2019], are considered new for central part of European Russia (marked with double asterisk). New findings of ten species, *Brychius elevatus* (Panzer, 1793) [Bercio, Folwaczny, 1979], *Bembidion ruficollis* (Panzer, 1796) [Bercio, Folwaczny, 1979; Silfverberg, 2010], *Laemostenus terricola terricola* (Herbst, 1784) [Bercio, Folwaczny, 1979; Alekseev, 2008; Silfverberg, 2010; Putchkov, Aleksandrowicz, 2020], *Tropinota (Epicometis) hirta* (Poda, 1761) [Bercio, Folwaczny, 1979], *Limnichus sericeus* (Duftschmid, 1825) [Alekseev et al., 2015], *Lopheros rubens* (Gyllenhal, 1817) [Alekseev, 2020], *Coccinella magnifica* Redtenbacher, 1843 [Bercio, Folwaczny, 1979; Szawaryn et al., 2018], *Cryptocephalus vittatus* Fabricius, 1775 [Bercio, Folwaczny, 1979; Silfverberg, 2010], *Prasocuris hannoverana* (Fabricius, 1775) [Bercio, Folwaczny, 1979; Silfverberg, 2010; Williams, 2015], *Bagous subcarinatus* Gyllenhal, 1836 [Bercio, Folwaczny, 1979; Silfverberg, 2010; Tamutis et al., 2011; Wanat, Mokrzycki, 2018] are reported from the Kaliningradskaya Oblast.

For all listed beetle species, additional information concerning the localities and data of observation, binomy and distribution are briefly provided. The family-level classification used below follows Bouchard et al. [2011], genera and species are arranged alphabetically.

Discussion

The registration of certain not characteristic species may indicate that these species already occur or are still present in the region. The level of novelty of a finding is often not clear and sometimes just a formality in view of the administrative boundaries conventional for fauna of animals, including Coleoptera. The above listed species can be divided into three somewhat subjective groups: (1) confirmed for Kaliningradskaya Oblast rare species known from historical data (10 species, most of them are sporadically distributed and not numerous in the region); (2) newly reported for Kaliningradskaya Oblast species (14 species, mostly known from geographically close localities in neighboring countries, i.e. in Poland and Lithuania); (3) newly reported species, which are new for the larger administrative unit which Kaliningradskaya Oblast formally belongs to (seven species: *Agrilus derasofasciatus*; *Colydium noblecourtii*; *Glischrochilus tremulae*; *Lignyodes bischoffi*; *Lixus tibialis*; *Magdalis rufa*; *Phloiortya rufipes*; and *Synchita variegata*). Such theoretical division is not optimal for study of fauna and zoogeography, but reflects the processes of the knowl-

edge structuring of human and therefore acceptable. The most significant can be last group, i.e. the species, new at the country-level. Two of these species are the recently described 'twin species' of widely distributed beetles (*Colydium noblecourti* is cryptic species of *C. elongatum* whereas *Glischrochilus tremulae* is cryptic for *G. quadripunctatus*). These species are «new» due to lack of time to carefully study their distribution by scientists. Two species are recent immigrants and potential pests associated with horticulture or gardening and gradually extending their ranges (*Agrilus derasofasciatus* and *Lignodytes bischoffi*). Other three «new» species (*Magdalis rufa*; *Phloeotrya rufipes*; and *Synchita variegata*) are typical inhabitants of Central and Western European forests with the eastern periphery of distribution areas in the eastern or south-eastern Baltic region. An extend or shift their range northeastwards is under question.

Due to the geographically small size of the study area as well the small amount of data on scattered and subjectively selected taxa collected during several years, the current work is rather a statement of facts and does not pretend to generalize the faunal dynamics on a large scale on its own.

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Appendix to the article: V.I. Alekseev. Rare and regionally new beetles (Coleoptera) from Kaliningradskaya Oblast, Russia (Euroasian Entomological Journal. 2025. Vol.24. No.4. P.201–204).

Приложение к статье: В.И. Алексеев. Редкие и впервые обнаруженные в Калининградской области России виды жесткокрылых (Coleoptera) (Евразийский энтомологический журнал. 2025. Т.24. Вып.4. С. 201–204).

The annotated list of rare and regionally new beetles (Coleoptera) from the Kaliningradskaya Oblast of Russia

Haliplidae Aubé, 1836

1. *Brychius elevatus* (Panzer, 1793)

Photographs: <https://www.inaturalist.org/observations/166113006>

Material. *Zelenogradskii district*: 2 km NW of Kremnevo vill., the Nel'ma stream, shallow water along the stream margins, 54.745466° N, 20.152106° E, 07.VI.2023, 2 spm.

Comments. On the territory of the northern part of the former East Prussia, the species was recorded [Bercio, Folwaczny, 1979] from Landgraben [the Pit'evoi channel between Kotel'nikovo and Kaliningrad] and Palmburg [Pribrezhny, SW of Kaliningrad]. This is the first actual report from Kaliningradskaya Oblast of this widespread in western Palaearctic reophilic species, which require clean, oxygen-rich, running water and is actually rare in the region.

Carabidae Latreille, 1802

*2. *Bembidion monticola* Sturm, 1825

Photographs: <https://www.inaturalist.org/observations/166990106>

Material. *Bagratiyovskii district*: 5 km S of Medovoe vill., gravel riverbank of the Kornevka stream in forest, 54.505122° N, 20.357416° E, 11.VI.2023, 1 ex.

Comments. The species is mentioned in the list of the beetles of the former East Prussia [Bercio, Folwaczny, 1979] with question mark as erroneously reported and misidentification of *Bembidion stephensii* Crotch, 1866, which is not seldom in northern coast of the Sambian peninsula. This is the first registration of the species in Kaliningradskaya Oblast. The species is a European boreo-montane carabid distributed in several mountain systems of Europe and the Caucasus, as well as on the Northern European plains, where it is rare with only a few modern records [Kovalenko, Telnov, 2018].

3. *Bembidion ruficollis* (Panzer, 1796)

Photographs: <https://www.inaturalist.org/observations/232704564>

Material. *Cherniakhovskii district*: E suburb of the Cherniakhovsk city, sandy riverbank of the Angrappa River, 54.643184° N, 21.845755° E, 27.VII.2024, 2 spm.

Comments. On the territory of the northern part of the former East Prussia corresponding to Kaliningradskaya Oblast, it was reported [Bercio, Folwaczny, 1979] from Rauschen [Svetlogorsk] only. The species is widely distributed in the Baltic region and Fennoscandia [Silfverberg, 2010], but it occurs sporadically and can be considered rare.

*4. *Elaphropus quadrisignatus* (Duftschmid, 1812)

Photographs: <https://www.inaturalist.org/observations/209246285>, <https://www.inaturalist.org/observations/207815395>, <https://www.inaturalist.org/observations/214575532>.

Material. *Baltiiskii district*: 2 km N of Pavlovo vill., near groundwater outflow in bottom of dune on the Baltic seacoast, 54.719080° N, 19.940127° E, 17.IV.2024, 2 spm.; *Zelenogradskii district*: 2 km N of Siniavino, sandy Baltic seacoast, under a piece of wood, 54.913627° N, 19.937841° E, 25.IV.2024, 1 ex., the Curonian Spit, 4 km SW of Rybachii settl., sandy shore of the Curonian Gulf, 55.095848° N, 20.758220° E, 08.V.2024, 1 ex.

Comments. The species under name «*Tachys quadrisignatus* Dft.» is mentioned in the beetles' catalogue of the East Prussia [Bercio, Folwaczny, 1979] as a doubtful report from «West Prussia». According to Kopecký [2003] the beetle «*Tachyura quadrisignata* (Duftschmid, 1812)» occurs in Poland and Belarus, but it is not known northward, in central Russia, the Baltic States, or in Fennoscandia. The data presented here are the first record of the species in the south-eastern Baltic region and possibly first registration of the northward spread of this beetle in Europe. The species can be added to the regional group «the species with oscillations of range boundaries, mainly intrazonal species dispersed along the Baltic Sea coasts and river valleys from south and west» [Alekseev, 2020], whereas the actual occurrence in Kaliningradskaya Oblast is apparently is the northeastern known one.

*5. *Elaphropus parvulus* (Dejean, 1831)

Material. *Zelenogradskii district*: 1 km S of Donskoe settl., under stones near cliff on the Baltic seacoast, 54.931078° N, 19.952044° E, 18.VII.2018, 2 spm.

Comments. The species is absent in the list of the beetles of the former East Prussia [Bercio, Folwaczny, 1979], but reported from Kaunas vicinity in Lithuania [Ferenca, 2003] and from the Slovinski National Park in the northern Poland [Aleksandrowicz, 2012]. Under name «*Tachyura parvula* (Dejean, 1831)» the beetle is mentioned from Poland and Belarus [Kopecký, 2003], Sweden, Denmark, Lithuania [Silfverberg, 2010] but it is not known northward. This beetle is an Euro-Mediterranean species with the actual northernmost distribution limit at approximately 54° N.

*6. *Elaphrus aureus* Müller, 1821

Photographs: <https://www.inaturalist.org/observations/166990308>, <https://www.inaturalist.org/observations/166997082>.

Material. *Bagratiyovskii district*: 5 km S of Medovoe vill., sandy riverbank of the Kornevka stream in forest, 54.505122° N, 20.357416° E, 11.VI.2023, 3 spm.; 1 km SW of Medovoe vill., sandy riverbank of the Kornevka stream near road, 54.527978° N, 20.357654° E, 11.VI.2023, 1 ex.

Comments. On the territory of the northern part of the former East Prussia corresponding to Kaliningradskaya Oblast, it was reported [Bercio, Folwaczny, 1979] from Königsberg [Kaliningrad] and from the present-day northern Poland. The species is widely distributed in the Baltic States [Silfverberg, 2010; Tamutis et al., 2011], however its occurrence is generally sporadic and available habitats are disappearing due to human activities [Günther, Hölscher, 2004].

7. *Laemostenus terricola terricola* (Herbst, 1784)

Photographs: <https://www.inaturalist.org/observations/163643730>.

Material. *Svetlogorskii district*: vicinity of the Donskoe vill., bottom of the cliff in the Baltic seacoast, on sand under stone, 54.934082° N, 19.956277° E, 24.V.2023, 1 ex.

Comments. The species is widely distributed in the Baltic region and Fennoscandia and is recorded in all countries [Silfverberg, 2010]. The species is included in the list of the beetles of the former East Prussia [Bercio, Folwaczny, 1979] with note «everywhere not seldom» however without precise localities. There was only one found of the beetle in Kaliningradskaya Oblast in the late 20th century [Alekseev, 2008], the data presented here are the second record of the species. The species is recognized as synantropic or bothrobiont [Putchkov,

Aleksandrowicz, 2020]. In all likelihood, this formerly fairly common rural species declined significantly in the region during the second half of the 20th century. Changes in land use regime or the use of chemicals in agriculture may be possible reasons for the reduction in number for the species, which can be considered «very sporadic and rare» in the present-day Kaliningradskaya Oblast.

*8. *Ophonus rupicola* (Sturm, 1818)

Photographs: <https://www.inaturalist.org/observations/230702618>.

Material. *Svetlogorskii district*: 1 km N of Donskoe vill., Baltic seacoast, on sand under stone, 54.949974° N, 19.970011° E, 20.VII.2024, 1 ex.

Comments. On the territory of the northern part of the former East Prussia the species under the name «*Harpalus zigzag* Costa» was reported [Bercio, Folwaczny, 1979] from Elbing [Elbląg] in the present-day northern Poland. This is the first actual report from Kaliningradskaya Oblast of this regionally rare species.

*9. *Stenolophus skrimshirani* Stephens, 1828

Photographs: <https://www.inaturalist.org/observations/118628694.../209262974>.

Material. *Baltiiskii district*: 3 km W of the Primorsk town, the Baltic seacoast, 54.742666° N, 19.952593° E, 27.V.2015, 1 ex.; *Bagratiyonskii district*: 2 km N of the Mamono city, sandy shore of the Vistula Gulf, 54.511219° N, 19.952673° E, 25.V.2019, 2 spm.; *Svetlogorskii district*: 1 km S of Donskoe vill., the Baltic seacoast, in the bottom of cliff, under stone, 54.931126° N, 19.951911° E, 24.V.2023, 1 ex.; *ibidem*, surf zone, 54.929447° N, 19.949159° E, 24.IV.2024, 1 ex.

Comments. The species is absent in the list of the beetles of the former East Prussia [Bercio, Folwaczny, 1979], but reported from central Poland [Burakowski et al., 1974], Belarus [Alexandrovitch et al. 1996], Sweden and Denmark [Silfverberg, 2010]. The reported localities in Kaliningradskaya Oblast are apparently at the northern periphery of the species distributional area.

*10. *Tachys bistriatus* (Duftschmid, 1812)

Material. *Bagratiyonskii district*: 1 km W of the Ladygino vill., shore of the Vistula Gulf, 54.603752° N, 20.184639° E, 4.VII.2021, 1 ex.

Comments. The species is mentioned in the list of the beetles of the former East Prussia [Bercio, Folwaczny, 1979] as occurred in adjacent territories, 'Pommern' [northern Poland and north-eastern Germany] and in Riga (Latvia). The species is listed for Lithuania as *Paratachys bistriatus* (Duftschmid, 1812) [Tamutis et al., 2011] and considered as widely distributed in Western Palearctic, the Caucasus, West Siberia and part of Middle Asia [Shilenkov, 2002]. This is the first actual report of this regionally rare species from Kaliningradskaya Oblast.

Hydrochidae Tomson, 1859

*11. *Hydrochus megaphallus*
Berge Henegouwen, 1988

Photographs: <https://www.inaturalist.org/observations/162488228>.

Material. *Zelenogradskii district*: the Curonian Spit, 2 km SW of Rybachii setl., sandy beach of the Baltic seacoast, 55.153026° N, 20.799916° E, 18.V.2023, 2 spm.

Comments. This widely distributed in Europe species [Köhler, 2010] was only recently described from the Netherlands [Berge Henegouwen, 1988] and has not been recorded from the territory of the former East Prussia or from the present-day Kaliningradskaya Oblast. This is the first report of the species from Kaliningradskaya Oblast. The specimens were collected in seacoast, but the probable habitat of the species

should be situated in the nearest vicinity, in the Chaika Lake and adjacent swampy territory within *Alnus glutinosa* forest.

Scarabaeidae Latreille, 1802

12. *Tropinota (Epicometis) hirta* (Poda, 1761)

Photographs: <https://www.inaturalist.org/observations/159829820>.

Material. *Bagratiyonskii district*: 2 km NE of the Mamono city, shore of the Vistula Gulf, on flower of *Taraxacum officinale*, 54.505109° N, 19.949133° E, 4.V.2023, 1 ex.

Comments. On the territory of the northern part of the former East Prussia, it was recorded [Bercio, Folwaczny, 1979] from Haberberg [the present-day southern part of the Kaliningrad city] only. This common in more southern European territories species is sporadically distributed in neighboring northern Poland, Lithuania and southern Latvia, but occurs in the Baltic States at the northern periphery of its natural distribution range and is rather regionally rare, being registered in Kaliningradskaya Oblast in the XXI century for the first time.

Buprestidae Leach, 1815

*13. *Agrilus auricollis auricollis* Kiesenwetter, 1857

Photographs: <https://www.inaturalist.org/observations/164186858>.

Material. *Svetlogorskii district*: 1 km NE of Lesnoe vill., the Baltic seacoast, cliff, on fallen *Ulmus glabra*, together with numerous *Magdalis armigera*, 54.947325° N, 20.087632° E, 27.V.2023, 3 spm.

Comments. This species has not been recorded from the territory of the former East Prussia or from the present-day Kaliningradskaya Oblast, but is known in Latvia [Telnov, 2004] and Belarus [Alexandrovitch et al. 1996]. This newly added to the regional fauna rare species occurs in Kaliningradskaya Oblast at the northern periphery of its natural distribution range.

**14. *Agrilus derasofasciatus* Lacordaire, 1835

Material. *Kaliningrad*: W suburb of the city, on *Vitis vinifera* along road in abandoned gardens, 54.733441° N, 20.390685° E, 21.VI.2023, 1 ex.

Comments. The species has not been recorded from the territory of the former East Prussia, from the Baltic States or from present-day Kaliningradskaya Oblast, however it is known in southern Poland [Gutowski, Szwalko, 1990] and is widely distributed in Central and Southern Europe [Jendek, 2016]. The current report is the first registration of the species in Kaliningradskaya Oblast and the northeastern known locality in Europe. The species is adventive in the region and closely associated with the fodder plant, cultivated *Vitis vinifera*.

*15. *Dicerca furcata* (Thunberg, 1787)

Photographs: <https://www.inaturalist.org/observations/217030236>.

Material. *Slavskii district*: 6 km NE of Vysokoe vill., flying in birch coppice on drained and abandoned peatland Vittgirrenski, 54.796834° N, 21.657288° E, 19.V.2024, 1 ex.

Comments. The species is a widely distributed in Northern Palearctic species reaching Switzerland and eastern Germany in the west and Hungary and Romania in the south [Kwast, 2011; Ruicănescu et al., 2022]. On the territory of the northern part of the former East Prussia the species under the name '*Dicerca acuminata* Pall.' was reported once from Pröbbernau [Przebrno in the present-day northern Poland] in distance about 20 km from the limit of Kaliningradskaya Oblast [Bercio, Folwaczny, 1979]. This birch associated species is widely distributed in adjacent territories [Silfverberg, 2010], however the species is registered in Kaliningradskaya Oblast for the first time and can be considered «locally distributed and rare» in the southern Baltic region.

Limnichidae Erichson, 1847

16. *Limnichus sericeus* (Duftschmid, 1825)

Photographs: <https://www.inaturalist.org/observations/164188815.../227803285>.

Material. *Svetlogorskii district*: 1 km NE of Lesnoe vill., the Baltic seacoast, moisten ground near groundwater flowing out of the cliff slope, 54.947493° N, 20.093934° E, 27.V.2023, 5 spm.; *Bagratiоновskii district*: 5 km S of Medovoe vill., sandy riverbank of the Kornevka stream in forest, 54.505372° N, 20.357811° E, 6.VII.2024, 4 spm.

Comments. Faunal information on this species in the territory of Kaliningradskaya Oblast and adjacent territories was presented earlier [Alekseev et al., 2015]. This is the second and third, actual locality of the sporadically distributed species in the region.

Dryopidae Billberg, 1820

*17. *Pomatinus substriatus* (Müller, 1806)

Photographs: <https://www.inaturalist.org/observations/227804587>.

Material. *Bagratiоновskii district*: 5 km S of Medovoe vill., the Kornevka stream in forest, shallow water along the stream margins, 54.505372° N, 20.357811° E, 6.VII.2024, 1 ex.

Comments. The species is absent in the list of the beetles of the former East Prussia [Bercio, Folwaczny, 1979], but reported from Lithuania [Tamutis et al., 2011], Belarus [Moroz, Lipinskaya, 2017] and Poland [Twardy, 2015]. This report is the first data from Kaliningradskaya Oblast on this reophilic species inhabited streams with fragments of tree trunks and rotting branches submerged in water.

Elateridae Leach, 1815

*18. *Anostirus purpureus* (Poda, 1761)

Photographs: <https://www.inaturalist.org/observations/120351437>.

Material. *Polesskii district*: 3 km NE of Sosnovka vill., mixed forest, 54.841481° N, 21.363766° E, 4.VI.2022, 1 ex.

Comments. On the territory of the former East Prussia, the species was reported [Bercio, Folwaczny, 1979] from NE Poland only, whereas the range of this distributed in southern and central Europe species reaches Estonia [Silfverberg, 2010]. The beetle is regionally rare, included in the Lithuanian Red Data Book in the category «critically endangered» [Ferenca, 2021]. This is the first formal report of the species from Kaliningradskaya Oblast.

Lycidae Laporte, 1836

19. *Lopheros rubens* (Gyllenhal, 1817)

Photographs: <https://www.inaturalist.org/observations/156391771>.

Material. *Cherniakhovskii district*: flying, 54.636021° N, 21.828277° E, 22.IV.2023, 1 ex.

Comments. This is the second registration of the species in the territory of Kaliningradskaya Oblast; brief reference on the species in fauna of adjacent territories was presented earlier [Alekseev, 2020]. Both known at present time findings were made in cities, therefore the tentative suppose about the regional species preference of human transformed or even synantropic habitats is probable.

Nitidulidae Latreille, 1802

**20. *Glischrochilus tremulae*
Clayhills, Audisio & Cline, 2016

Photographs: <https://www.inaturalist.org/observations/154295106>.

Material. *Kaliningrad*: 3 km N of the city, under bark of recently broken old aspen (*Populus tremulae*) in mixed forest, 54.794349° N, 20.442825° E, 9.IV.2023, 2 spm.

Comments. This species was recently described from SE Finland [Clayhills et al., 2016; Clayhills, 2017] and outside this country has been recorded only in NE Poland [Lasoń, 2023]. The present record makes Kaliningradskaya Oblast the third territory where this native for north-eastern Europe and associated with poplar species is found. Simultaneously, the first known finding of the beetle in Kaliningradskaya Oblast is the first record of the species in Russia. The number of known species of the genus *Glischrochilus* Reitter, co-inhabiting the Kaliningradskaya Oblast has reached six, as the following species were previously registered: naturalized *G. grandis* (Tournier, 1872), native *G. hortensis* (Geoffroy, 1785), native *G. quadriguttatus* (Fabricius, 1777), native *G. quadripunctatus* (Linnaeus, 1758), and naturalized *G. quadrisignatus* (Say, 1835).

Coccinellidae Latreille, 1807

21. *Coccinella magnifica* Redtenbacher, 1843

Photographs: <https://www.inaturalist.org/observations/173819859>.

Material. *Bagratiоновskii district*: 1 km NE of Sosnovka vill., dry meadow on forest edge, 54.562458° N, 20.193127° E, 19.VII.2023, 1 ex.

Comments. On the territory of the former East Prussia corresponding to the present-day Kaliningradskaya Oblast the species under the name «*Coccinella distincta* Fald. a. *magnifica* Redtb.» was reported from Neuhäuser [Mechnikov] only [Bercio, Folwaczny, 1979]. This report is the first actual data from Kaliningradskaya Oblast on this facultative myrmecophile associated with ants of the genus *Formica* and rarely reported in region ladybird [Szawaryn et al., 2018].

Zopheridae Solier, 1834

**22. *Synchita variegata* Hellwig, 1792

Photographs: <https://www.inaturalist.org/observations/170082972>.

Material. *Bagratiоновskii district*: 1.5 km NE of Sosnovka vill., beech forest, on standing and dried out *Fagus sylvatica*, 54.564513° N, 20.193263° E, 29.VI.2023, 2 spm.

Comments. On the territory of the former East Prussia, the species was reported [Bercio, Folwaczny, 1979] from NE Poland only with the nearest locality in Zoppot [present-day Sopot]. This European species is associated with beech [Heijerman et al., 2018; Diedus et al., 2022], known in Sweden, Denmark in the north [Silfverberg, 2010] and reaches eastwards Ukraine [Mateleshko, 2005]. Likely, the distribution of this beetle (like e.g. distribution of the monophagous on beech beetle *Orchestes fagi* (Linnaeus, 1758)) coincides with the territory of natural distribution of *Fagus sylvatica* in Europe, the north-eastern border of which is situated in Kaliningradskaya Oblast. The current report is the first formal registration of the species in Kaliningradskaya Oblast and Russia, as well as the most northeastern known locality in Europe.

**23. *Colydium noblecourtii*

Parmain, Eckelt & Schuh, 2024

Photographs: <https://www.inaturalist.org/observations/149970132.../201603642>.

Material. *Gurievskii district*: W suburb of Kaliningrad city, pine forest, under bark of standing dried out *Pinus sylvestris* with trunk diameter of 10 cm, 54.719011° N, 20.344321° E, 1.III.2023, 3 spm.; *Zelenogradskii district*: 1 km W of Izhevskoe vill., mixed forest, under bark of birch trunk together with *Trypodendron domesticum*, 54.704589° N, 20.200175° E, 7.III.2024, 1 ex.

Comments. The recently described West Palaearctic species known to date from Austria, Andorra, Bosnia, Croatia, Czech Republic, France, Germany, Iran, Italy, Slovakia, Slo-

venia, Spain, and Turkey [Parmain et al., 2024]. The species prefers different pinacean conifers, but also occurs on Fagaceae and Betulaceae [Parmain et al., 2024]. The present report is the first registration of the species in Kaliningradskaya Oblast and Russia, as well as the most northeastern currently known locality in Europe. The current findings confirm association of the species with pinacean and betulacean trees. The actual fauna of the genus *Colydium* Fabricius in Kaliningradskaya Oblast includes all three known Palearctic species, as the following two species were previously registered: *C. elongatum* (Fabricius, 1787) and *C. fliforme* Fabricius, 1792. Due to association of *C. noblecourtii* with common and wide-distributed pinacean trees and birch, the occurrence of *C. noblecourtii* in Lithuania, in Poland and in central European regions of Russia is highly probable. Moreover, *C. elongatum* (associated with old *Quercus* and *Fagus* according to our data) and *C. fliforme* (connected with the old oaks in Kaliningradskaya Oblast) could be more regionally less abundant due to preference of veteran trees. This assumption should be verified by further research.

Melandryidae Leach, 1815

**24. *Phloiotrya rufipes* (Gyllenhal, 1810)

Material. *Baltiiskii district*: W of Mechnikovo vill., 54.686908° N, 19.916564° E, 29.V.2024, 1 ex.

Comments. The species is absent in the list of the beetles of the former East Prussia [Bercio, Folwaczny, 1979] and is not recorded in Lithuania [Tamutis et al. 2019], but is reported from NW Latvia, Poland, Hungary and Ukraine [Telnov, 2004; Konvička, Merkl, 2015], where the eastern distribution border of this European species is likely situated. The reported locality in Kaliningradskaya Oblast is situated at the eastern periphery of the species distributional area. The actual report is the first registration of this developed in rotten wood species in Kaliningradskaya Oblast and Russia.

Chrysomelidae Latreille, 1802

25. *Cryptocephalus vittatus* Fabricius, 1775

Photographs: <https://www.inaturalist.org/observations/167728147>.

Material. *Zelenogradskii district*: 2 km E of Vzmorie vill., dry meadow near edge of pine forest, 54.703937° N, 20.267197° E, 16.VI.2023, 1 ex.; *Kaliningrad*: W suburb of, along railroad, 54.719365° N, 20.400795° E, 26.V.2024, 1 ex.

Comments. The species is distributed in southern Baltic region i.e. in Sweden, Denmark, Lithuania and Latvia [Silfverberg, 2010]. According to the most comprehensive regional catalogue of Coleoptera [Bercio, Folwaczny, 1979], the species has been reported from Warnicken [Lesnoe], Tannenkrug [Voloshino], Löwenhagen [Komsomol'sk], and Rominten [Krasnoles'e]. Current actual reports confirm the presence of this regionally sporadic species in Kaliningradskaya Oblast.

26. *Prasocuris hannoverana* (Fabricius, 1775)

Photographs: <https://www.inaturalist.org/observations/117455061>.

Material. *Bagrationovskii district*: 1 km NE of Mamonovo city, marsh in alder forest on the shore of the Vistula Gulf, on *Caltha palustris*, 54.497974° N, 19.942003° E, 15.V.2022, 3 spm.

Comments. The species is widely distributed in Baltic region and Fennoscandia [Silfverberg, 2010] and under name «*Hydrothassa hannoverana* F.» has been reported [Bercio, Folwaczny, 1979] from Rauschen [Svetlogorsk], Palmnicken [Yantarny], Königsberg [Kaliningrad], Zehlau [Boloto Tselau], and Frische Nehrung [the Vistula Spit]. The species is sporadically distributed in northern parts of Europe, forming isolated local populations in marsh habitats with fodder plant *Caltha palustris* [Williams, 2015]. This is the first actual data on the

species occurrence in Kaliningradskaya Oblast, however additional findings are expected.

Curculionidae Latreille, 1802

27. *Bagous subcarinatus* Gyllenhal, 1836

Photographs: <https://www.inaturalist.org/observations/175219668>.

Material. *Kaliningrad*: W suburb of the city, shallow pond with dense submerged cover of *Ceratophyllum*, 54.720665° N, 20.397206° E, 27.VII.2023, 1 ex.

Comments. The species is sporadically distributed in Baltic region and is recorded from Sweden, Denmark, Estonia [Silfverberg, 2010], Poland [Wanat, Mokrzycki, 2018], and Lithuania [Tamutis et al., 2011]. On the territory of the northern part of the former East Prussia, it was recorded [Bercio, Folwaczny, 1979] from Holländer Baum [historical city part in the present-day center of Kaliningrad near the Pregolia River]. This is the first actual report from Kaliningradskaya Oblast of this insufficiently studied and hidden species developed on foxtail.

**28. *Lignyodes bischoffi* (Blatchley, 1916)

Photographs: <https://www.inaturalist.org/observations/232898520>.

Material. *Kaliningrad*: W part of the city (the Krasnoselskaia street vicinity), in a green area, under old ash tree (*Fraxinus*), 54.712356° N, 20.449549° E, 31.VII.2024, 1 ex.

Comments. The species is absent in the list of the beetles of the former East Prussia [Bercio, Folwaczny, 1979] and is the since about 1960 a naturalized in Europe adventive species. This introduced from Nearctic weevil was firstly recorded in adjacent Poland in 1998 and now is comparatively wide distributed in eastern and central parts of the state [Wanat, Mocarski, 2008]. The beetle is known in Ukraine since 2000 [Volovnik et al., 2019], it is recorded in the southern Russia since 2007 [Arzanov, 2013], and it has been collected in Kaunas (Lithuania) in 2015 for the first time [Rimšaitė, Ivinskis, 2021]. This is the first published report of this species with gradually widened distribution area from Kaliningradskaya Oblast and for the fauna of the central part of European Russia.

*29. *Lixus (Ortholixus) tibialis* Boheman, 1842

Photographs: <https://www.inaturalist.org/observations/209248806>.

Material. *Zelenogradskii district*: 2 km N of Siniavino vill., the Baltic seacoast, sandy beach, 54.909778° N, 19.935970° E, 25.IV.2024, 1 ex.

Comments. The species is absent in the list of the beetles of the former East Prussia [Bercio, Folwaczny, 1979], absent in the lists of Baltic region by Silfverberg [2010], but is reported from Poland [Wanat, Mokrzycki, 2018]. According to the electronic catalogue of Palearctic weevils [Alonso-Zarazaga et al., 2019] the species has not been recorded from Russia. *L. tibialis* develops on *Hieracium umbellatum* and is known in Ukraine [Volovnik, Pavlyuk, 2020] as well in Riazan Oblast [Khrisanova, 2011]. This is the first report of the species from Kaliningradskaya Oblast.

**30. *Magdalis rufa* Germar, 1823

Photographs: <https://www.inaturalist.org/observations/219167166>.

Material. *Baltiiskii district*: W of Mechnikovo vill., 54.686908° N, 19.916564° E, 29.V.2024, 2 spm.

Comments. This Euro-Mediterranean species associated with the trees of the genus *Pinus* is absent in the list of the beetles of the former East Prussia [Bercio, Folwaczny, 1979], expected but still not recorded from Poland [Wanat, Mokrzycki, 2018], and also is unknown in Lithuania [Tamutis et al., 2011] or in Russia [Alonso-Zarazaga et al., 2019]. The species is recorded from Latvia [Silfverberg, 2010; Balalaitis, 2012;

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Alonso-Zarazaga et al., 2019], where the north-eastern distribution border of this species is likely situated. This finding is the first report of the species from Kaliningradskaya Oblast and for the fauna of the central part of European Russia.

*31. *Mogulones euphorbiae* Brisout de Barneville, 1866

Photographs: <https://www.inaturalist.org/observations/206460885>.

Material. *Slavskii district*: 6 km NE of Vysokoe vill., on vegetation near road on drained and abandoned peatland Vittgirrenski, 54.797052° N, 21.655622° E, 10.IV.2024, 1 ex.

Comments. The species is absent in the list of the beetles of the former East Prussia [Bercio, Folwaczny, 1979], but widely distributed in Baltic region, being reported in Sweden, Norway, Denmark, Estonia, Latvia [Silfverberg, 2010], and Poland [Wanat, Mokrzycki, 2018]. The species is associated with the plants of the genus *Myosotis* [Nilsson, 2009], and the rarity of the species could be resulted from problems with appropriate collection methods for the species: the beetle is too small for visual search and cannot be sampled with entomological hand net due to low height and diffuse distribution character of the fodder plant.