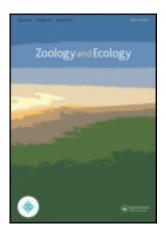
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RESEARCH ARTICLE

Contributions to the knowledge of beetles (Insecta: Coleoptera) in the Kaliningrad Region. 3

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The current paper presents data on 60 beetle species belonging to 19 families in the Kaliningrad Region (western Russia). Twenty two species of them, *Liocyrtusa minuta* (Ahrens, 1812), *Cerylon fagi* Brisout de Barneville, 1867, *Harmonia axyridis* (Pallas, 1773), *Leiestes seminigrer* (Gyllenhal, 1808), *Conopalpus testaceus* (Olivier, 1790), *Orchesia undulata* Kraatz, 1853, *Anogcodes ustulatus* (Scopoli, 1763), *A. rufiventris* (Scopoli, 1763), *Zeugophora frontalis* Suffrian, 1840, *Bruchus pisorum* (Linnaeus, 1758), *Bruchidius villosus* (Fabricius, 1792), *Spermophagus calystegiae* (Lukjanovitsh & Ter-Minassian, 1957), *Cryptocephalus janthinus* Germar, 1824, *Chrysolina herbacea* (Duftschmid, 1825), *Phyllotreta astrachanica* Lopatin, 1977, *Longitarsus rubiginosus* (Foudras, 1860), *Altica aenescens* Weise, 1888, *A. tamaricis* Schrank, 1785, *Polydrusus pterygomalis* Boheman, 1840, *Cionus nigritarsis* Reitter, 1904, *Rhamphus oxyacanthae* (Marsham, 1802), *R. subaeneus* (Illiger, 1807), are reported in the area studied for the first time. The records published in the current article will complete the information about the distribution and bionomy of Coleoptera in the Kaliningrad Region as well as in the whole south-eastern Baltic region.

Straipsnyje pateikiami duomenys apie Kaliningrado srities 60 vabalų rūšių, priklausančių 19 šeimų. Tirtoje vietovėje pirmą kartą užregistruotos dvidešimt dvi iš minimų rūšių, t. y. *Liocyrtusa minuta* (Ahrens, 1812), *Cerylon fagi* Brisout de Barneville, 1867, *Harmonia axyridis* (Pallas, 1773), *Leiestes seminigrer* (Gyllenhal, 1808), *Conopalpus testaceus* (Olivier, 1790), *Orchesia undulata* Kraatz, 1853, *Anogcodes ustulatus* (Scopoli, 1763), *A. rufiventris* (Scopoli, 1763), *Zeugophora frontalis* Suffrian, 1840, *Bruchus pisorum* (Linnaeus, 1758), *Bruchidius villosus* (Fabricius, 1792), *Spermophagus calystegiae* (Lukjanovitsh & Ter-Minassian, 1957), *Cryptocephalus janthinus* Germar, 1824, *Chrysolina herbacea* (Duftschmid, 1825), *Phyllotreta astrachanica* Lopatin, 1977, *Longitarsus rubiginosus* (Foudras, 1860), *Altica aenescens* Weise, 1888, *A. tamaricis* Schrank, 1785, *Polydrusus pterygomalis* Boheman, 1840, *Cionus nigritarsis* Reitter, 1904, *Rhamphus oxyacanthae* (Marsham, 1802), *R. subaeneus* (Illiger, 1807). Straipsnyje pateikti duomenys papildys žinias apie vabalų, (Coleoptera) paplitimą bei bionomiją Kaliningrado srityje bei visame Pietryčių Baltijos regione.

Keywords: Kaliningrad Region; Coleoptera; biodiversity; fauna; new records

Introduction

The present paper continues our series of faunistic publications dealing with beetles of the Kaliningrad Region, western Russia. The structure and presentation of data, and the criteria used for the selection of Coleoptera species, are analogous to those used in previous articles (Bukejs and Alekseev 2009; Alekseev and Bukejs 2010, 2011). The aim of the current work is to improve the knowledge of the fauna and bionomy of Coleoptera in the Baltic region with special emphasis given to previously overlooked, insufficiently known, protected species and those occurring at the border of their distribution range. The basic research of the fauna and the ecological state of the species under study is also needed to assess conservation requirements in the whole Baltic region.

Material and methods

The material was collected during the period 1989–2011, though most of the faunistic data presented (for 43 species) were obtained during the spring-summer of the last year. Primarily, the western, south-western and central parts of the Kaliningrad Region (including the territory of the southern part of the Curonian Spit) were investigated. Beetles were collected using entomological nets and light traps, by hand or with an exhauster (pot pooter). The material examined is deposited in Vitaly I. Alekseev's private collection (Chernyakhovsk, Russia) and in the collection of Daugavpils University, Institute of Systematic Biology (DUBC, Daugavpils, Latvia). The following keys were used for determination: Anton (1994), Bieńkowski (2004), Čížek and Doguet (2008), Freude, Harde, and Lohse

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(1965–1989), Kubisz (2006) and Warchałowski (2003). The nomenclature and synonymy used are in compliance with the Catalogue of Palaearctic Coleoptera Vols. 1–7 (Löbl and Smetana 2003–2011).

Results

During the current study of the beetle fauna, a list of 60 poorly known and sporadically distributed species was compiled. The list of Coleoptera of the Kaliningrad Region was supplemented with 22 species. The species that are new to the local fauna are marked with an aster-isk (*). For all the species listed therein, the information on localities, regional bionomy and sampling data is given. Several little-known species of Coleoptera are associated with specific habitats or host plants and therefore their presence in a particular fauna is dependent on the presence of a respective habitat. Information on trophic links and other peculiarities could be useful for the future search and research of these species in our region as well as in adjacent territories.

Carabidae Latreille, 1802

(1) Dolichus halensis (Schaller, 1783)

Material examined: In 2011 this species was recorded once in: SW suburb of Kaliningrad city, 54°40′48.8″N 20°24′39.3″E, 1 August 2011 (1, beach of the Kaliningrad Gulf, leg. V. Alekseev).

Comments: The species is reported in the following neighbouring countries: Sweden, Denmark, Latvia, Lithuania (Silfverberg 2010a) and Belarus (Alexandrovitch et al. 1996). This is the second record of this carabid species in the Kaliningrad Region. It occurs there sporadically at the northern periphery of its range.

(2) Calosoma inquisitor (Linnaeus, 1758)

Material examined: In 2011 this species was found in one new locality: the Curonian Spit, 3 km W Rybachy, 55°09'39.5"N 20°48'44.7"E, 26 May 2011 (5, sandy beach of the Baltic Sea, leg. A. Shapoval).

Comments: Faunal information on this species in the territory of the whole Baltic and the Kaliningrad Region was provided earlier (Alekseev and Nikitsky 2008; Alekseev 2008). Protected species in the Kaliningrad Region (Dedkov and Grishanov 2010).

Staphylinidae Latreille, 1802

(3) Velleius dilatatus (Fabricius, 1787)

Material examined: During the research period this species was noted twice only in 2011: Chernyakhovsk, 54° 38'20.3"N 21°49'46.6"E, 18 July 2011 (1, deciduous park, on effluent oak sap, leg. V. Alekseev); Zelenogradsk district, Maysky settlement, 54°55'38"N 20°07'28.5"E, 29 June 2011 (1, on effluent oak sap, leg. V. Alekseev).

Comments: The species is widespread in the Fennoscandian and Baltic territories except Norway (Silfverberg 2010a; Tamutis, Tamutė, and Ferenca 2011) but rare everywhere else. In the northern part of the former East Prussia, it has been known in Warnicken [Lesnoe in the Zelenogradsk district] and in Insterburg [Chernyakhovsk] (Bercio and Folwaczny 1979). The beetle develops in hornets' nests; imagoes are often attracted by the smell of effluent oak sap. The species could be recommended for inclusion in the next edition of the Red Data Book of the Kaliningrad Region.

Leiodidae Fleming, 1821

(4) Leiodes ciliaris W.L.E. Schmidt, 1841

Material examined: 22 specimens were sampled in one locality only in 2011: at the Curonian Spit, 23 km NNE of Zelenogradsk, 55°5'16.3"N 20°44'27.5"E, 30 June 2011 (1, light trap at the margin of a dune complex, leg. A. Shapoval), 8 August 2011 (2, ibidem, leg. A. P. Shapoval), 18 July 2011 (1, ibidem, leg. A. Shapoval), 26 July 2011 (2, ibidem, leg. A. Shapoval), 28 July 2011 (3, ibidem, leg. A. Shapoval), 29 July 2011 (1, ibidem, leg. A. Shapoval), 1 August 2011 (1, ibidem, leg. A. Shapoval), 4 August 2011 (1, ibidem, leg. A. Shapoval), 18 August 2011 (2, ibidem, leg. A. Shapoval), 21 August 2011 (2, ibidem, leg. A. Shapoval), 21 August 2011 (8, ibidem, leg. A. Shapoval).

Comments: The species is widespread in the Fennoscandian and Baltic territories, but it is not recorded in Estonia (Silfverberg 2010a). In the northern part of the former East Prussia, the beetle has been collected in Heiligenbeil [Mamonovo] and Königsberg [Kaliningrad] (Bercio and Folwaczny 1979).

(5) *Liocyrtusa minuta* (Ahrens, 1812)*

Material examined: During the research period, this species was recorded once in 2011: the Curonian Spit, 23 km NNE of Zelenogradsk, 55°5′16.3″N 20°44′27.5″ E, 30 June 2011 (1, light trap at the margin of a dune complex, leg. A. Shapoval).

Comments: The species is reported in all territories of the Baltic region except Denmark (Silfverberg 2010a). In the former East Prussia, the species has been reported only in the territory of contemporary Poland (Bercio and Folwaczny 1979). The species is new to the fauna of the Kaliningrad Region.

Ptiliidae Heer, 1843

(6) Pteryx suturalis (Heer, 1841)

Material examined: During the research period, this species was noted only once in 2011: the Curonian Spit, 23 km NNE of Zelenogradsk, 55°5′16.3″N 20°44′27.5″ E, 30 June 2011 (1, caught in a light trap at the margin of a dune complex, leg. A. Shapoval).

Comments: In the Baltic region, this species is reported in all territories except Estonia and Lithuania (Silfverberg 2010a). It is indicated as an expected species in the modern checklist of Lithuanian beetles (Tamutis, Tamuté, and Ferenca 2011). In the northern

part of the former East Prussia, it has been recorded in Kleine Heide in the vicinity of Königsberg [Kaliningrad] and in Insterburg [Chernyakhovsk] (Bercio and Folwaczny 1979).

Scarabaeidae Latreille, 1802

(7) Gnorimus nobilis (Linnaeus, 1758)

Material examined: In 2011 it was recorded in two localities: Zelenogradsk district, settlement Lesnoe, 54° 56'9.5"N 20°5'30.8"E, 27 June 2011 (2, on flowers of *Aegopodium podagrariae*, the Baltic seaside, V. Alekseev, pers. comm.); 29 June 2011 (3, V. Alekseev, pers. comm.); Zelenogradsk district, 3 km W Ryabinovka, 54° 49'2.8"N 20°27'15.47"E, 08 July 2011 (3, on flowers of *Fillipendula ulmaria*, a moist meadow in a mixed forest, V. Alekseev, pers. comm.).

Comments: Faunal information on this species in the territory of the Baltic region was given earlier (Alekseev and Nikitsky 2008; Alekseev and Bukejs 2011). The species is protected in the Kaliningrad Region (Dedkov and Grishanov 2010).

Ptinidae Latreille, 1802

(8) Hemicoelus fulvicornis (Sturm, 1837)

Material examined: Recorded in one locality: 1 km E Chernyakhovsk, 54°38′49.1″N 21°53′4″E, 25 July 2011 (1, on a living old oak, leg. V. Alekseev).

Comments: In the Baltic region, the species is reported in Finland, Sweden, Norway, Denmark and Lithuania (Silfverberg 2010a). In the northern part of the former East Prussia, it has been recorded only in Königsberg [Kaliningrad] (Bercio and Folwaczny 1979).

Cerylonidae Billberg, 1820

(9) Cerylon fagi Brisout de Barneville, 1867*

Material examined: Recorded in one locality: 3 km E Kaliningrad, 54°42′48.5″N 20°19′23.4″E, 2 September 2009 (1, in *Sphagnum* sp. moss in a mixed forest, leg. V. Alekseev).

Comments: The species is distributed throughout the whole Baltic and Fennoscandian region (Silfverberg 2010a). It has also been found in Belarus (Alexandrovitch et al. 1996). There is no record of this species in the checklist of the former East Prussia (Bercio and Folwaczny 1979). Beetles occur under the bark of birch, aspen, oak and pine (Nikitsky et al. 1996). The species is new to the fauna of the Kaliningrad Region.

Coccinellidae Latreille, 1807

(10) Harmonia axyridis (Pallas, 1773)*

Material examined: Recorded in the city of Kaliningrad only: Kaliningrad Zoo, 54°43′2.7″N 20°28′47.6″E, 17 August 2011 (1, flying, leg. V. Alekseev); Bramsa str., 24 August 2011 (1, on *Acer pseudoplatanus*, leg. V.

Alekseev), 27 August 2011 (1, on *Acer pseudoplatanus*, leg. V. Alekseev), 21 September 2011 (1, V. Alekseev, pers. comm.); Bramsa str., 13 October 2011 (1, V. Alekseev, pers. comm.); Gendelya str., 25 August 2011 (1, on *Acer pseudoplatanus*, leg. V. Alekseev), 2 September 2011 (1, in flight, leg. V. Alekseev); Ozerova str., 17 October 2011 (1, V. Alekseev, pers. comm.).

Comments: According to Silfverberg (2010a), this invasive species, originally native to eastern Asia and introduced into North America and Europe, has been recorded in the Baltic and Fennoscandian regions, i.e. in Denmark, Sweden, Norway, Finland and Latvia. Recently it has been found in Romania, the Ukraine (Markó and Pozsgai 2009) and Lithuania (Nagrockaitė, Tamutė, and Tamutis 2011). This species is absent from the checklist of the former East Prussia (Bercio and Folwaczny 1979). All the sites where the species was recorded are located in the central part of Kaliningrad with an area of about 4 thousand square meters. It is the first documented record of this species in the Kaliningrad Region.

Endomychidae Leach, 1815

(11) Leiestes seminiger (Gyllenhal, 1808)*

Material examined: 3 km SE Chernyakhovsk, 54°36′ 06.9″N 21°51′17.9″E, 21 April 2009 (1, under bark of the dried up oak with a diameter of 1.2 m in the *Querceto-Piceetum* forest, leg. V. Alekseev).

Comments: The species is distributed throughout the whole Baltic and Fennoscandian regions except Dennmark (Silfverberg 2010a). It is also known in Belarus (Alexandrovitch et al. 1996). The checklist of the former East Prussia (Bercio and Folwaczny 1979) contains no data about this species. It is the first record of the species in the Kaliningrad Region, which is probably due to its cryptic lifestyle.

Erotylidae Latreille, 1802

(12) Triplax rufipes (Fabricius, 1787)

Material examined: recorded twice in one single locality: Kaliningrad, Donskogo str., 54°42′56.6″N 20°28′44.2″E, 14 August 2011 (1, broad-leaved park, on dry fruit bodies of the fungus *Lyophyllum ulmaria* on a standing dead *Ulmus glabra*, together with numerous *Dacne bipustulata* and *Corticeus bicolor*, leg. V. Alekseev); 25 August 2011 (1, ibidem, together with numerous *Dacne bipustulata*, a few specimens of *Triplax aenea*, *Uloma culinaris* and *C. bicolor*, leg. V. Alekseev).

Comments: The species is distributed throughout the whole Baltic and Fennoscandian regions (Silfverberg 2010a). It is considered to be rare in Poland (Ruta et al. 2011). In the checklist of the former East Prussia (Bercio and Folwaczny 1979), this species is reported in Friedrichstein [Kamenka in Gur'evsk district] and Insterburg [Chernyakhovsk]. The larva is associated with *Pleurotus* spp., imagoes can be found

on the fruit bodies of different bracket fungi (Nikitsky et al. 1996).

Melandryidae Leach, 1815

(13) Conopalpus testaceus (Olivier, 1790)*

Material examined: Recorded in one locality: Zelenogradsk district, Maysky settlement, 54°55′38″N 20°07′28.5″ E, 29 June 2011 (1, 20:30, recorded by sweeping under oaks at the margin of a mixed forest, leg. V. Alekseev).

Comments: According to Silfverberg (2010a), this species is found in Sweden, Norway, Denmark and Latvia. In Polish fauna it is considered to be rare and found mainly in the south (Kubisz et al. 2010). However, this species is absent from the checklist of the former East Prussia (Bercio and Folwaczny 1979) and that of Belarus (Alexandrovitch et al. 1996). The species is new to the Kaliningrad Region. Larvae of this species feed on *Quercus* spp., *Fagus sylvatica* (Ehnström and Axelsson 2002).

(14) Orchesia undulata Kraatz, 1853*

Material examined: Recorded in four localities: 6 km NE of Chernyakhovsk, 54°40'32.5"N 21°55'26.5"E, 25 June 1996 (1, leg. V. Alekseev); Zelenogradsk district, Pereslavskoe vicinity, 54°48'45.2"N 20°15'10.1"E, 23 April 2007 (2, under bark, a mixed forest, leg. V. Alekseev); 2 km N Chkalovsk (Kaliningrad), 54°78'41"N 20° 44'83"E, 2 May 2008 (4, under oak branch bark in a clearing area, leg. V. Alekseev); Bagrationovsk district, 1 km E Ladushkin, 54°34'31.8"N 20°11'41.9"E, 9–30 August 2010 (1, caught in a window trap at the margin of a mixed forest, leg. V. Alekseev).

Comments: In the Baltic region, the species is reported in Finland, Sweden, Norway, Denmark, Estonia and Latvia (Silfverberg 2010a). The species is also found in Belarus (Alexandrovitch et al. 1996). It is reasonably common in Poland (Kubisz et al. 2010) and has been recently recorded in Lithuania (Ferenca et al. 2011). In the checklist of the former East Prussia (Bercio and Folwaczny 1979), this species is not mentioned therefore it is new to the fauna of the Kaliningrad Region. In the Moscow region (Nikitsky et al. 1996), the development of larvae of this species is associated with the fungus *Phlebia radiata*. This beetle is an infrequently recorded species but it apparently inhabits the whole region.

Tenebrionidae Latreille, 1802

(15) Pentaphyllus testaceus (Hellwig, 1792)

Material examined: Recorded in two localities: Kaliningrad, Kirova str., 54°43'06.3"N 20°29'39.9"E, 11 March 2009 (1, recorded in a hollow of a small-leaved lime, *Tilia cordata*, leg. V. Alekseev); Bagrationovsk district, 1 km E Ladushkin, 54°34'31.8"N 20°11'41.9"E, 9 August 2011 (2, a fruit body of *Laetiporus sulphureus* in an old *Quercus robur* hollow together with numerous *Eledona agaricola* and *Diaperis boleti*, leg. V. Alekseev).

Comments: The species has been recorded in the Baltic and Fennoscandian regions in Finland, Sweden, Denmark, Estonia and Latvia (Silfverberg 2010a). It is also found in Poland (Iwan, Kubisz, and Mazur 2010), Belarus (Alexandrovitch et al. 1996) and, as an expected species, is included in the checklist of Coleoptera of Lithuania (Tamutis, Tamute, and Ferenca 2011). In the territory of the former East Prussia, this species has been reported in Moosbude [Bol'shoe Isakovo in Guryevsk district] (Bercio and Folwaczny 1979).

(16) Neomida haemorrhoidalis (Fabricius, 1787)

Material examined: In 2011 it was recorded in two new localities: Bagrationovsk district, Ulyanovka environs, 54° 35'52.4"N 20°11'5.5"E, 16 August 2011 (1, a fruit body of *Fomes fomentarius* on a dead birch in a mixed forest together with *Bolitophagus reticulatus*, leg. V. Alekseev); the Curonian Spit, 3 km NE Morskoe, 55°14'40.5"N 20°56' 18.5"E, 30 August 2011 (2, a fruit body of *Fomes fomentarius* on a dead birch, leg. V. Alekseev).

Comments: Faunal information on this species in the territory of the Baltic region was presented earlier (Alekseev and Nikitsky 2008). The scarcity of records is probably due to its cryptic lifestyle.

Oedemeridae Latreille, 1810

(17) *Anogcodes melanurus* (Fabricius, 1787) [*=ustulatus* (Fabricius, 1787), nec (Scopoli, 1763)]

Material examined: Recorded only in one locality in 2011: Polessky district, Sosnovka vicinity, 54°49′28″N 21°22′01″E, 10 July 2011 (2, recorded by sweeping at the humid forest margin, leg. V. Alekseev).

Comments: The species is reported in the eastern Baltic States: Estonia, Latvia and Lithuania (Silfverberg 2010a). It also occurs in Poland (Kubisz 2006) and Belarus (Alexandrovitch et al. 1996). In the northern part of the former East Prussia, it has been recorded only in Königsberg [Kaliningrad] and Rominten [Krasnoles'e in Nesterov district] (Bercio and Folwaczny 1979).

(18) *Anogcodes ustulatus* (Scopoli, 1763) [*=ferrugineus* (Schrank, 1776)]*

Material examined: Recorded in: Gur'evsk district, Ryabinovka environs, 54°49'30.4"N 20°29'46.8"E, 22 May 2002 (1, the edge of a mixed forest, on flowers of *Umbelliferae*, leg. V. Alekseev); 20 June 2010 (4, ibidem, leg. V. Alekseev); Kaliningrad, Transportnaya str., 54°41'16.2"N 20°26'12"E, 8 July 2011 (1, lake shore, on flowers, leg. V.I. Alekseev and V.V. Alekseev).

Comments: The species is reported in Sweden, Estonia and Lithuania (Silfverberg 2010a). It also occurs in Poland (Kubisz 2006) and Belarus (Alexandrovitch et al. 1996). In the territory of the former East Prussia, the species has been reported only in contemporary Poland (Bercio and Folwaczny 1979). It can be

found in urbanised areas or in cities, larvae develop in the wood of *Pinus*, *Picea*, *Quercus*, e.g. railway constructions (Kubisz 2006). A new species to the fauna of the Kaliningrad Region.

(19) Anogcodes rufiventris (Scopoli, 1763)*

Material examined: Recorded twice in one stable locality: the Curonian Spit, 3 km W Rybachy, 55°09'39.5"N 20°48'44.7"E, 8 August 1997 (1, the Baltic Sea shore, sandy beach, on grass, leg. V. Alekseev), 5 July 2011 (4, ibidem, leg. V. Alekseev).

Comments: According to Silfverberg (2010a), the species is recorded in Karelia, Sweden, Estonia, Latvia and Lithuania. The species also occurs in Poland (Kubisz 2006) and Belarus (Alexandrovitch et al. 1996). In the former East Prussia, the species has been reported only in the territory of contemporary Poland and Lithuania (Bercio and Folwaczny 1979). A new species to the Kaliningrad Region.

Cerambycidae Latreille, 1802

(20) Anaglyptus mysticus (Linnaeus, 1758)

Material examined: In 2011 it was recorded twice in: Zelenogradsk district, Otradnoe environs, 54°56′6.7″N 20°6′52.8″E, 29 June 2011 (1, on flowers of *Aegopodium podagrariae* at the margin of a mixed forest with *Carpinus*, *Coryllus*, *Picea* and *Quercus*, leg. V. Alekseev); the Curonian Spit, Rybachy environs, 55°9′29.6″N 20°50′ 18.9″E, 4 July 2011 (1, village, on the ground, leg. V. Alekseev).

Comments: This species is widespread throughout the southern and middle Baltic and Fennoscandian regions and it has been reported in Sweden, Norway, Denmark, Estonia and Latvia (Silfverberg 2010a). Records in Lithuania are considered doubtful (Tamuté and Ferenca 2011), but the species is found in western Belarus (Alexandrovitch et al. 1996) and Poland (Gutowski 1995). In the northern part of the former East Prussia, this species has been reported in Forst Fritzen [forest between the settlements of Chkalovsk and Sosnovka] and in Margen [Zhukovskoe in Gur'-evsk district] (Bercio and Folwaczny 1979). Larvae develop in twigs of *Coryllus, Malus, Acer, Fagus* and *Carpinus* (Ehnström and Axelsson 2002).

Megalopodidae Latreille, 1802

(21) Zeugophora frontalis Suffrian, 1840*

Material examined: Recorded only once in: Bagrationovsk district, Bogdanovka environs, 54°17′59″N 20°01′21″E, 24 May 2009 (2, on *Populus tremula*, leg. V. Alekseev).

Comments: In the Baltic region, this species is found in Belarus, Estonia, Latvia, Lithuania, Poland and Sweden (Borowiec, Ścibior and Kubisz 2011; Bukejs 2009; Lopatin and Nesterova 2005; Silfverberg 2010b). This species

is absent from the checklist of the former East Prussia (Bercio and Folwaczny 1979). In the latest regional checklist of leaf-beetles (Alekseev 2003), this species was also overlooked. The species is new to the Kaliningrad Region.

(22) Zeugophora flavicollis (Marsham, 1802)

Material examined: Recorded only once: 1 km E Chernyakhovsk, 54°38'49.1"N 21°53'4"E, 21 June 2009 (4, on *Populus nigra*, leg. V. Alekseev).

Comments: In the Baltic region, this species is found in Belarus, Latvia and Poland (Borowiec, Scibior and Kubisz 2011; Bukejs 2009; Lopatin and Nesterova 2005; Silfverberg 2010b). The distribution of this species should be defined more exactly because for some time it was considered as a synonym of Z. frontalis. In the territory of the former Eastern Prussia, this species is often reported in contemporary northern Poland on 'Populus nigra' without definite localities (Bercio and Folwaczny 1979). Old data are disputable and ambiguous due to the possible confusion with the above-mentioned species. It is now reconfirmed for the fauna of the Kaliningrad Region. Supposedly, Z. flavicollis and the ecologically vicarious Z. frontalis inhabit different host plants of the genus Populus in the region: Z. flavicollis feeds on P. nigra and Z. frontalis is associated with P. tremula.

Chrysomelidae Latreille, 1802

(23) Bruchus rufimanus Boheman, 1833

Material examined: Recorded in central and eastern districts of the region: Gusev district, Krasnopolyanskoe environs, 54°35′45.6″N 21°56′47″E, 6 June 2000 (1, recorded by sweeping, leg. V. Alekseev); Chernyakhovsk city, 54°38′20.3″N 21°49′46.6″E, 14 May 1993 (1, recorded by sweeping, leg. V. Alekseev), 23 May 2001 (1, recorded by sweeping, leg. V. Alekseev); 9 km NE Chernyakhovsk, 54°41′0.5″N 21°56′7.8″E, 30 March 2001 (1, a clearing in a mixed forest, under dead loose bark, leg. V. Alekseev).

Comments: In the checklist of the former East Prussia (Bercio and Folwaczny 1979), this species is reported only in Königsberg [Kaliningrad]. According to Silfverberg (2010a), the species is widespread in the Baltic region except Karelia and Norway. It is also found in Poland (Borowiec, Ścibior and Kubisz 2011).

(24) Bruchus pisorum (Linnaeus, 1758)*

Material examined: Recorded once in: Zelenogradsk district, Baltiysk vicinity, 54°38′52.8″N 19°52′41.6″E, 29 August 2011 (1, a dry meadow on the Baltic seacoast, recorded by sweeping, leg. V. Alekseev).

Comments: According to Silfverberg (2010a), the species is recorded in all Baltic and Fennoscandian territories. It is found in Poland (Borowiec, Ścibior and Kubisz 2011) too. In the territory of the former East Prussia, the

species has been reported only in contemporary Poland (Bercio and Folwaczny 1979); in Alekseev (2003), this species is overlooked, therefore it is considered to be new to the Kaliningrad Region.

(25) Bruchidius marginalis (Fabricius, 1777)

Material examined: In 2011 it was found once in: Zelenogradsk district, Donskoe vicinity, 54°56′10.7″N 19°58′17.8″E, 30 June 2011 (1, recorded by sweeping along the railway embankment, leg. V. Alekseev).

Comments: Faunal information on this species in the territory of the Baltic region was given earlier (Alekseev and Bukejs 2011). It is the second known locality of this scarce seed-beetle in the local fauna.

(26) *Bruchidius villosus* (Fabricius, 1792) [=*ater* (Marsham, 1802)]*

Material examined: Widespread in western parts of the region: Zelenogradsk district, Maysky settlement, 54°55' 38"N 20°07'28.5"E, 10 July 1990 (2, on *Cytisus scoparius*, leg. V. Alekseev); 2 km SW Svetlogorsk, 54°56'07"N 20°07'44.3"E, 2 August 2009 (5, near a mixed forest, on *Cytisus scoparius*, leg. V. Alekseev); Zelenogradsk district, 3 km E Russkoe, 54°49'30.4"N 20°4'23.3"E, 4 July 2010 (1, recorded by sweeping at a forest edge, leg. V. Alekseev); Bagrationovsk district, Ulyanovka environs, 54°35' 52.4"N 20°11'5.5"E, 7 June 2010 (2, recorded by sweeping, the Kaliningrad Gulf shore, leg. V. Alekseev); Bagrationovsk district, near the railway station '1312 km', 54° 33'45.2"N 20°13'15.6"E, 7 June 2011 (7, the edge of a mixed forest, a dry meadow, on *Cytisus scoparius*, leg. V. Alekseev, A. Bukejs, M. Balalaikins).

Comments: According to Silfverberg (2010a), the species is recorded in Sweden and Denmark; it is also found in Belarus (Alexandrovitch et al. 1996), Latvia (Bukejs 2010) and Poland (Borowiec, Ścibior and Kubisz 2011). In the territory of the former East Prussia, the species has been reported only in the territory of contemporary Poland (Bercio and Folwaczny 1979). The beetle develops in seedpods of green broom (*Cytisus scoparius*) and is closely connected with the distribution of the host plant in the Baltic region. These are the first records of the species in the Kaliningrad Region and Lithuania.

(27) *Spermophagus calystegiae* (Lukjanovitsh & Ter-Minassian, 1957)*

Material examined: Recorded three times in: Bagrationovsk district, near the railway station '1312 km', 54° 33'45.2"N 20°13'15.6"E, 19 May 2009 (1, recorded by sweeping along the railway, leg. V. Alekseev); 4 km SW Chernyakhovsk, 54°37'22.7"N 21°45'13.7"E, 8 May 1994 (1, on *Convolvolus* flowers along the railway, leg. V. Alekseev); SW suburb of Kaliningrad city, 54°40'48.8"N 20° 24'39.3"E, 23 July 2011 (4, a dry meadow near the beach of the Kaliningrad Gulf, leg. V. Alekseev).

Comments: In the Baltic region, this species is found in Latvia (Bukejs 2010), Lithuania (Bukejs, Ferenca, and

Tamutis 2011) and Poland (Anton 2010; Borowiec, Ścibior and Kubisz 2011). Externally, *S. calystegiae* is very similar to *S. sericeus* (Geoffroy, 1785). These sibling species differ only in the shape of aedeagus and IX urite. In the checklist of the former East Prussia (Bercio and Folwaczny 1979) and in Alekseev (2003), this species is not mentioned, therefore it is considered to be new to the Kaliningrad Region.

(28) Plateumaris braccata (Scopoli, 1772)

Material examined: Recorded once in: the Curonian Spit, 1 km NE Lesnoe, 55°01′49.25″N 20°38′25.3″E, 8 June 2011 (1, on the shore of the Curonian Gulf, leg. V. Alekseev, A. Bukejs, M. Balalaikins).

Comments: In the Baltic and Fennoscandian regions, the species is reported in all territories except Karelia (Silf-verberg 2010a). It is also found in Poland (Borowiec, Ścibior and Kubisz 2011). In the northern part of the former East Prussia, it has been recorded in Cranz [Zelenogradsk] and Königsberg [Kaliningrad] (Bercio and Folwaczny 1979).

(29) Clytra quadripunctata (Linnaeus, 1758)

Material examined: Recorded once in 2011 in: Bagrationovsk district, near the railway station '1312 km', 54°33'45.2"N 20°13'15.6"E, 7 June 2011 (1, recorded by sweeping along the railway, leg. V. Alekseev, A. Bukejs, M. Balalaikins).

Comments: Faunal information on this species in the territory of the Baltic region was given earlier (Alekseev and Bukejs 2010). This is the second known locality of this scarce leaf-beetle in the local fauna.

(30) Cryptocephalus distinguendus Schneider, 1792

Material examined: Recorded in one locality: Pravdinsk district, the Zehlau Bog, 54°30′21.9″N 20°55′6″E, 31 May 1998 (2, a raised sphagnous bog, on leaves of young birches, leg. V. Alekseev), 21 May 2007 (1, ibidem, leg. V. Alekseev).

Comments: In the territory of the former East Prussia, the species has been reported only in the territory of contemporary northern Poland (Bercio and Folwaczny 1979) but it is found in all Baltic and Fennoscandian territories (Silfverberg 2010a) and Poland (Borowiec, Ścibior and Kubisz 2011). In Alekseev (2003), the species is noted as occurring in the Kaliningrad Region (but without a definite locality).

(31) Cryptocephalus janthinus Germar, 1824*

Material examined: The species is found in one locality: Zelenogradsk district, Mechnikov vicinity, 54°40′ 56.1″N 19°56′16.8″E, 6 July 2005 (3, recorded by sweeping in a meadow near the shore of the Kaliningrad Gulf, leg. V. Alekseev).

Comments: According to Silfverberg (2010a), in the Baltic and Fennoscandian regions, the species is found only in Lithuania. It is also found in Belarus (Alexan-

drovitch et al. 1996) and Poland (Borowiec, Ścibior and Kubisz 2011). In the territory of the former East Prussia, it has been recorded only in contemporary northern Poland (Bercio and Folwaczny 1979). The species occurs in the Kaliningrad Region and in Lithuania at the northern border of its range. A new species to the Kaliningrad Region fauna.

(32) Cryptocephalus violaceus Laicharting, 1781

Material examined: Recorded in three localities, but apparently inhabiting the whole region: 6 km SE Chernyakhovsk, 54°37′28.8″N 21°54′55.6″E, 18 May 1993 (1, recorded by sweeping in a meadow, leg. V. Alekseev); the Curonian Spit, Rybachy environs, 55°9′29.6″N 20°50′18.9″E, 10 July 1994 (1, recorded by sweeping, leg. V. Alekseev); Bagrationovsk district, near the railway station '1312 km', 54°33′45.2″N 20°13′15.6″E, 8 June 2009 (3, ibidem, leg. V. Alekseev), 7 June 2010 (1, on flowers, leg. V. Alekseev), 7 June 2011 (3, the edge of a forest, a dry meadow, leg. V. Alekseev, A. Bukejs, M. Balalaikins).

Comments: In the Baltic and Fennoscandian regions, the species is reported only in Lithuania (Silfverberg 2010a); also reported in Poland (Borowiec, Ścibior, and Kubisz 2011). In the northern part of the former East Prussia, it has been recorded only in Insterburg [Chernyakhovsk] (Bercio and Folwaczny 1979). The species occurs in the Kaliningrad Region and Lithuania at the north-eastern border of its range.

(33) Cryptocephalus querceti Suffrian, 1848

Material examined: Recorded once in: Slavsk district, 3 km W Khrustal'noe, 55°07'48.4"N 21°16'49"E, 11 July 2005 (1, on *Salix* sp. bushes in a wet forest, leg. V. Alekseev).

Comments: In the Baltic and Fennoscandian regions, the species is reported in all territories (Silfverberg 2010a). In the northern part of the former East Prussia, it is found only in Zehlau [the Zehlau Bog, 3–8 km N of the village of Grushevka in Pravdinsk district] (Bercio and Folwaczny 1979).

(34) Cryptocephalus exiguus Schneider, 1792

Material examined: Recorded once in: 8 km NE Chernyakhovsk, 54°41′49.5″N 21°56′38″E, 12 June 2011 (1, a clearing in a mixed forest, leg. V. Alekseev, A. Bukejs, M. Balalaikins).

Comments: In the Baltic and Fennoscandian regions, the species is reported in all territories except Denmark (Silf-verberg 2010a). In the northern part of the former East Prussia, it was collected in Forst Fritzen [a forest between the settlements of Chkalovsk and Sosnovka in Zelenogradsk district] (Bercio and Folwaczny 1979).

(35) Chrysolina herbacea (Duftschmid, 1825)*

Material examined: During the research period, it was noted twice in: Slavsk district, 3 km W Khrustal'noe, 55° 7'48.4"N 21°16'49"E, 11 July 2005 (1, recorded by

sweeping along the road in a humid forest, leg. V. Alekseev); 1 km E Chernyakhovsk, $54^{\circ}38'49.1''$ N $21^{\circ}53'4''$ E, 23 August 2011 (2, and 3 larvae, bank of the Angrapa River, on *Mentha* × *verticillata*, leg. V. Alekseev).

Comments: According to Silfverberg (2010a), this species has been recorded only in Denmark in the Baltic and Fennoscandian regions. It has been recently found in Lithuania (Bukejs, Ferenca, and Tamutis 2011) and it is also found in Belarus (Alexandrovitch et al. 1996) and Poland (Borowiec, Ścibior, and Kubisz 2011). This species has not been reported in the northern part of the former East Prussia. It occurs in the Kaliningrad Region and Lithuania at the northern periphery of its range.

(36) *Phyllotreta astrachanica* Lopatin, 1977*

Material examined: In 2011 it was recorded in six localities: Bagrationovsk district, Ulyanovka environs, 54°60'37"N 20°19'15"E, 7 June 2011 (1, coast of the Baltic Sea, leg. V. Alekseev, M. Balalaikins, A. Bukejs); SW suburb of Kaliningrad city, 54°40'48.8"N 20°24' 39.3"E, 23 July 2011 (3, on Berteroa incana, a dry coastal meadow of the Kaliningrad Gulf, leg. V. Alekseev), 24 July 2011 (5, ibidem, leg. V. Alekseev); 1 km E Chernyakhovsk, 54°38'49.1"N 21°53'4"E, 25 July 2011 (1, bank of the Angrapa River, on Barbarea sp., leg. V. Alekseev); Zelenogradsk district, 1-2 km N Yantarny, 54°53'46.7"N 19°55'55.4"E, 26 July 2011 (4, a sandy beach of the Baltic Sea, on Cakile baltica, leg. V. Alekseev); Zelenogradsk district, 3 km SW Primorsk, 54°44'31.7"N 19°57'43.2"E, 2 August 2011 (6, the Baltic seaside, on Berteroa incana leg. V. Alekseev); Kaliningrad city, Transportnaya str., 54°41'39.2"N 20°26'22.1"E, 7 August 2011 (2, a vegetable garden, on Armoracia rusticana, leg. V. Alekseev).

Comments: This species has been recently discovered in Latvia (Bukejs 2011a). It is also found in south-western Belarus (Lopatin and Nesterova 2005), south-eastern Sweden (Wanntorp 2005; Silfverberg 2010a) and Poland (Borowiec et al. 2011). This species is absent from the checklist of the former East Prussia (Bercio and Folwaczny 1979) and the latest regional leaf-beetle checklist (Alekseev 2003), therefore it is considered to be new to the Kaliningrad Region. The beetle feeds on different Cruciferae and prefers sun-exposed coastal habitats. This species may occur together with *Ph. atra.* It is expected in coastal areas of western Lithuania.

(37) Phyllotreta atra (Fabricius, 1775)

Material examined: Chernyakhovsk district, 2 km NE Krasnovka, 54°36′27.4″N 21°43′43.3″E, 20 August 1994 (2, on *Brassica oleracea*, a vegetable garden, leg. V. Alekseev); Zelenogradsk district, Svetlogorsk parish, 54°57′9.48″N 20°11′55.8″E, 6 June 2004 (1, the Baltic seacoast, leg. V. Alekseev); Kaliningrad city, Transportnaya str., 54°41′39.2″N 20°26′22.1″E, 7 August 2011 (3, a vegetable garden, on *Armoracia rusticana*, leg. V. Alekseev); 1 km E Chernyakhovsk, 54°38′49.1″N 21° 53′4″E, 25 July 2011 (1, recorded by sweeping, the bank of the Angrapa River, on *Barbarea stricta*, leg. V. Alekseev); Zelenogradsk district, 1–2 km N Yantarny, 54°53′46.7″N 19°55′55.4″E, 26 July 2011 (8, a sandy beach of the Baltic Sea, on *Cakile baltica*, leg. V. Alekseev).

Comments: According to Silfverberg (2010a), this species is widely distributed throughout the whole Baltic and Fennoscandian regions and has been reported in all territories. It is also found in Belarus (Lopatin and Nesterova 2005) and Poland (Borowiec, Ścibior, and Kubisz 2011). In the territory of the former East Prussia, this species has been noted as occurring 'everywhere' (Bercio and Folwaczny 1979). However, as these specimens were collected before 1945 and this material is not available at present, it is not clear which species (*Ph. atra* or *Ph. astrachanica* or both taxa) was sampled by German coleopterologists in the past. The ecological niche and distribution of *Ph. atra* in the region need to be studied and specified due to the earlier confusion of this species with the closely related and occasionally sympatric *Ph. astrachanica*.

(38) Phyllotreta nigripes (Fabricius, 1775)

Material examined: Recorded once in: Kaliningrad city, Litovsky Val str., 54°43′20.9″N 20°31′54.7″E, 31 May 1997 (1, found by sweeping in a waste area, leg. V. Alekseev).

Comments: This species is widely distributed throughout the Baltic and Fennoscandian regions and has been reported in all territories except Norway (Silfverberg 2010a). In northern part of the former East Prussia, this species has been found in Zehlau [Grushevka vicinity in Pravdinsk district] and Insterburg [Chernyakhovsk] Bercio & Folwaczny 1979).

(39) Aphthona euphorbiae (Schrank, 1781)

Material examined: During the research period, it was recorded once, but should be more widely distributed: Zelenogradsk district, 2 km N Yantarny, 54°53′46.7″N 19°55′55.4″E, 26 July 2011 (1, the Baltic seaside, leg. V. Alekseev).

Comments: This species is widely distributed throughout the whole Baltic and Fennoscandian regions and has been reported in all territories (Silfverberg 2010a) as well as in Belarus (Lopatin and Nesterova 2005) and Poland (Borowiec, Ścibior, and Kubisz 2011). In the northern part of the former East Prussia, this species has been reported in Rossitten [Rybachy], Königsberg [Kaliningrad], Zehlau [Grushevka vicinity in Pravdinsk district], Insterburg [Chernyakhovsk], Rominten [Krasnoles'e in Nesterov district] (Bercio and Folwaczny 1979).

(40) Longitarsus rubiginosus (Foudras, 1860)*

Material examined: Recorded once: 1 km E Chernyakhovsk, 54°38'49.1"N 21°53'4"E, 16 June 2008 (1, recorded by sweeping on the Angrapa River bank, a dry meadow, leg. V. Alekseev).

Comments: This species is widely distributed throughout the whole Baltic and Fennoscandian regions and has

been reported in all territories (Döberl 2010; Silfverberg 2010a). In the territory of the former East Prussia, it has been recorded in northern Poland (Bercio and Folwaczny 1979). It is the first recording of the species in the Kaliningrad Region.

(41) Longitarsus tabidus (Fabricius, 1775)

Material examined: In 2011 it was recorded in two localities: a SW suburb of Kaliningrad city, 54°40′48.8″ N 20°24′39.3″E, 23 July 2011 (2, on *Verbascum thapsus*, a dry coastal meadow near the Kaliningrad Gulf, leg. V. Alekseev), 1 August 2011 (1, ibidem, leg. V. Alekseev); Bagrationovsk district, Ladushkin, 54°34′31.8″N 20°11′ 41.9″E, 9 August 2011 (1, recorded by sweeping in a dry meadow, leg. V. Alekseev).

Comments: This species is widely distributed throughout the whole Baltic and Fennoscandian regions and has been reported in all territories (Silfverberg 2010a) and also in Belarus (Lopatin and Nesterova 2005). In the northern part of the former East Prussia, this species has been reported in Rauschen [Svetlogorsk] and Ludwigsort [Ladushkin] (Bercio and Folwaczny 1979).

(42) Longitarsus pratensis (Panzer, 1794)

Material examined: Recorded once: 1 km E Chernyakhovsk, 54°38′49.1″N 21°53′4″E, 5 September 1999 (1, recorded by sweeping on the bank of the Angrapa River, a dry meadow, leg. V. Alekseev).

Comments: This species is widely distributed throughout the whole Baltic and Fennoscandian regions and has been reported in all territories except Karelia (Silfverberg 2010a). According to Bercio and Folwaczny (1979), this species has been reported in the northern part of the former East Prussia, i.e. in Königsberg [Kaliningrad], Zehlau [the Zehlau Bog, 3–8 km N of the village Grushevka in Pravdinsk district] and Insterburg [Chernyakhovsk].

(43) Altica aenescens Weise, 1888*

Material examined: Recorded in two localities: Krasnoznamensk district, Dolzhanskoe environs, 55°04′25″N 22°34′17″E, 27 June 1997 (1, a clearing in a mixed forest, leg. V. Alekseev); Pravdinsk district, the Zehlau Bog, 54° 30′21.9″N 20°55′6.1″E, 17 May 1998 (2, a raised Sphagnum bog, recorded by sweeping, leg. V. Alekseev).

Comments: The species is widely distributed in the Baltic and Fennoscandian territories except Norway, Denmark (Silfverberg 2010a) and Sweden (Döberl 2010; H. E. Wanntorp, pers. comm. 2012). In the checklists covering the territory of the studied area (Bercio and Folwaczny 1979; Alekseev 2003), this species is not mentioned, therefore it is considered to be new to the Kaliningrad Region.

(44) Altica quercetorum quercetorum Foudras, 1860

Material examined: Recorded in one locality: Bagrationovsk district, Bogdanovka environs, 54°47′41.4″N 20°1′14″E, 24 May 2009 (1, on the leaves of a young oak, leg. V. Alekseev). **Comments**: According to Silfverberg (2010a), ssp. *saliceti* Weise, 1888 is recorded in Finland, Sweden, Norway, Latvia and Lithuania. In the northern part of the former East Prussia, this species has been reported in Dammhof [Lake Divnoe], Königsberg [Kaliningrad] and Insterburg [Chernyakhovsk] (Bercio and Folwaczny 1979).

(45) Altica tamaricis Schrank, 1785*

Material examined: Recorded only twice in 2011 in: Bagrationovsk district, near the railway station '1312 km', 54°33'45.2"N 20°13'15.6"E, 7 June 2011 (1, along the railway, on *Salix* sp., leg. V. Alekseev, A. Bukejs, M. Balalaikins); 2 km N Yantarny, 54°53' 46.7"N 19°55'55.4"E, 11 June 2011 (1, a sandy beach at the Baltic seaside, leg. V. Alekseev, A. Bukejs, M. Balalaikins).

Comments: The species is widespread in the Baltic and Fennoscandian territories except Karelia and Norway (Silfverberg 2010a). In Latvia, it is one of the most common species of the genus (Bukejs 2011b). In the territory of the former Eastern Prussia, it has been found in northern Poland (Bercio and Folwaczny 1979). It is the first recording of this species in the Kaliningrad Region.

(46) Psylliodes affinis (Paykull, 1799)

Material examined: Recorded once in: the Curonian Spit, 1 km NE Lesnoe, 55°01′49.25″N 20°38′25.3″E, 8 June 2011 (2, on *Solanum dulcamara* on the shore of the Curonian Gulf, leg. V. Alekseev, A. Bukejs, M. Balalaikins).

Comments: The species is widely distributed in all Fennoscandian and Baltic territories (Silfverberg 2010a). In the northern part of the former East Prussia, it has been recorded in Palmnicken [Yantarny], Königsberg [Kaliningrad] and Insterburg [Chernyakhovsk] (Bercio and Folwaczny 1979).

(47) Psylliodes picinus (Marsham, 1802)

Material examined: Recorded once in: Kaliningrad city, Portovaya str., 54°41′56.7″N 20°28′54.3″E, 21 August 2011 (1, bank of the Karasevka pond, leg. V.Alekseev). **Comments**: The species is widely distributed in the Fennoscandian and Baltic regions and is found in all territories except Estonia (Silfverberg 2010a; Tamutis, Tamutė, and Ferenca 2011). In the northern part of the former East Prussia, it has been recorded in Königsberg [Kaliningrad] and Forst Fritzen [a forest between the settlements of Chkalovsk and Sosnovka] (Bercio and Folwaczny 1979).

Rhynchitidae Gistel, 1848

(48) Lasiorhynchites olivaceus (Gyllenhal, 1833)

Material examined: Bagrationovsk district, 3 km E Mamonovo, 54°27′11.48″N 19°59′06.2″E, 26 June 2011 (1, recorded by sweeping in a meadow near broad-leaved trees, leg. V. Alekseev). **Comments**: Faunal information on this species in the Baltic region was presented earlier (Alekseev and Bukejs 2011). It is the second known locality for the local fauna.

Anthribidae Billberg, 1820

(49) Dissoleucas niveirostris (Fabricius, 1798)

Material examined: Recorded once: 1 km E Chernyakhovsk, 54°38′49.1″N 21°53′4″E, 23 August 2011 (1, recorded by sweeping on the Angrapa River bank under old *Salix alba* trees, leg. V. Alekseev).

Comments: This species is widely distributed throughout the whole Baltic and Fennoscandian regions and has been reported in all territories (Silfverberg 2010a). It is also found in Poland (Wanat et al. 2011) and Belarus (Alexandrovitch et al. 1996). In the northern part of the former East Prussia, it has been recorded in Margen [Zhukovskoe in Gur'evsk district], Löwenhagen [Komsomol'sk] and the Zehlau Bog [Pravdinsk district] (Bercio and Folwaczny 1979).

Curculionidae Latreille, 1802

(50) Otiorhynchus smreczynskii Cmoluch, 1968

Material examined: During the research period, this species was sampled in three localities: Chernyakhovsk, 54°38'20.3"N 21°49'46.6"E, 1 June 1994 (1, recorded by sweeping, leg. V. Alekseev); Kaliningrad, Sommera str., 54°43'30.7"N 20°30'40"E, 14 June 2011 (1, 19:30, on lilac, leg. V. Alekseev); Kaliningrad, Transportnaya str., 54°41'16.2"N 20°26'12"E, 18 August 2011 (1, 21:00, on lilac, leg. V. Alekseev).

In 2011 characteristic damage was noted on the foliage of *Syringa vulgaris* in a number of localities: Kaliningrad (Grekova str., Zoologicheskaya str., Nosova str., Rimskogo-Korsakova str., Bramsa str., Kirova str., Sovetsky av., Gor'kogo str., Leninsky av., Chaykovskogo str., Sommera str., Rokossovskogo str., Klinicheskaya str., Portovaya str., Transportnaya str., Kievskaya str.); and also in such cities as Chernyakhovsk (Moskovslaya str., Pushkina str.) and Momonovo, and the villages of Vzmor'e [Zelenogradsk district] and Rybachy [the Curonian Spit]. In some cases occasional damage was also noted on other shrubs, e.g. on *Symphoricarpos rivularis* and *Philadelphus grandiflorus* in the vicinity of the host plant.

Comments: In the Baltic region, the species is found in Denmark, Latvia (Silfverberg 2010a), Poland (Wanat and Mokrzycki 2005), Sweden (Fägerström, Kärnestam, and Anderson 2010), Estonia, Lithuania and the Kaliningrad Region (Balalaikins and Bukejs 2011). The species is synanthropic and common in the anthropogenic green zones of cities.

(51) Polydrusus pterygomalis Boheman, 1840*

Material examined: Recorded once: 8 km NE Chernyakhovsk, 54°41′49.5″N 21°56′38″E, 12 June 2011 (3, a clearing in a mixed forest, leg. V. Alekseev, A. Bukejs, M. Balalaikins).

Comments: This species is widespread throughout the Baltic and Fennoscandian regions and has been reported in all territories except Finland and Norway (Silfverberg 2010a; Tamutis, Tamutė, and Ferenca 2011). It is found in Poland (Wanat and Mokrzycki 2005) too. In Bercio and Folwaczny (1979), the species is listed as possibly occurring in the territory of the former East Prussia, thus it is a new species to the Kaliningrad Region fauna.

(52) Polydrusus flavipes (De Geer, 1775)

Material examined: Recorded once: 8 km NE Chernyakhovsk, 54°41′49.5″N 21°56′38″E, 12 June 2011 (1, a clearing in a mixed forest, leg. V. Alekseev, A. Bukejs, M. Balalaikins).

Comments: The species is widespread in all Fennoscandian and Baltic territories (Silfverberg 2010a), it is also reported in Poland (Wanat and Mokrzycki 2005) and Belarus (Alexandrovitch et al. 1996). In the northern part of the former East Prussia, it has been recorded in Königsberg [Kaliningrad] and its vicinity (Bercio and Folwaczny 1979).

(53) Polydrusus corruscus Germar, 1824

Material examined: Neman city environs, 55°02′12.3″N 22°02′21.1″E, 11 June 2007 (1, bushes near the Neman River, leg. V. Alekseev & A.V. Pavlova).

Comments: The species is reported in all eastern Baltic territories: Estonia, Latvia and Lithuania (Silfverberg 2010a) and also in Poland (Wanat and Mokrzycki 2005) and Belarus (Alexandrovitch et al. 1996). In the northern part of the former East Prussia, it is reported in Königsberg [Kaliningrad] (Bercio and Folwaczny 1979).

(54) Alophus triguttatus (Fabricius, 1775)

Material examined: Recorded twice in: Bagrationovsk district, 3 km S the railway station '1312 km', 54°33' 25.2"N 20°13'44.9"E, 7 June 2011 (1, a dry meadow, leg. V. Alekseev, A. Bukejs, M. Balalaikins); 5 km NNE Chernyakhovsk, 54°40'49.15"N 21°52'59.2"E, 12 June 2011 (2, recorded by sweeping, a flood plain near the Instruch River, leg. V. Alekseev, A. Bukejs, M. Balalaikins).

Comments: The species is found in Poland (Wanat and Mokrzycki 2005) and Belarus (Alexandrovitch et al. 1996). This species is absent from Silfverberg (2010a). In the northern part of the former East Prussia, it has been recorded in Königsberg [Kaliningrad] and an unspecified area on the coast (Bercio and Folwaczny 1979). The species occurs in the Kaliningrad Region at the northern border of its range, but is also expected in western and southern Lithuania.

(55) Cionus nigritarsis Reitter, 1904*

Material examined: During the research period, it was recorded once in: Zelenogradsk district, Vzmor'e vicin-

ity, 54°41'42.4"N 20°15'24.8"E, 7 July 2011 (1, a dry meadow, *Verbascum thapsus*, leg. V. Alekseev).

Comments: The species is widespread in all Fennoscandian and Baltic territories (Silfverberg 2010a; Balalaikins, Tamutis, and Ferenca 2010), it is also reported in Poland (Wanat and Mokrzycki 2005). In the territory of the former East Prussia, it has been found in northern Poland (Bercio and Folwaczny 1979). The first recording in the Kaliningrad Region.

(56) Hypera plantaginis (De Geer, 1775)

Material examined: During the research period, this species was found in three localities: the Baltic Spit, 54°36'11.6"N 19°50'49"E, 19 July 2005 (1, leg. V.I. Alekseev, recorded by sweeping in a dry meadow near a pine forest); the Curonian Spit, 1 km NE Lesnoe, 55°01'49.25"N 20°38'25.3"E, 8 June 2011 (1, recorded by sweeping on the shore of the Curonian Gulf, leg. V. Alekseev, A. Bukejs, M. Balalaikins); Bagrationovsk district, 3 km E Mamonovo, 54°27'11.48"N 19°59' 06.2"E, 26 June 2011 (1, recorded by sweeping in a meadow near broad-leaved trees, leg. V. Alekseev).

Comments: The species is widely distributed in the Baltic and Fennoscandian territories except Karelia (Silfverberg 2010a); it is also found in Poland (Wanat and Mokrzycki 2005) and Belarus (Alexandrovitch et al. 1996). In the northern part of the former East Prussia, it has been recorded in Dammhof [Lake Divnoe] (Bercio and Folwaczny 1979).

(57) Liparus glabrirostris Küster, 1849

Material examined: In 2011 the species was recorded in one locality: 5 km NNE Chernyakhovsk, 54°40' 49.15"N 21°52'59.2"E, 12 June 2011 (2, at the margin of a mixed forest, on the ground and on *Cirsium oleraceum*, leg. V. Alekseev, A. Bukejs, M. Balalaikins).

Comments: Faunal information on this species in the territory of the Baltic region was given earlier (Alekseev and Bukejs 2010). The species is protected in the Kaliningrad Region (Dedkov and Grishanov 2010).

(58) Rhinusa tetra (Fabricius, 1792)

Material examined: During the research period, it was recorded in one locality: a SW suburb of Kaliningrad city, 54°40′48.8″N 20°24′39.3″E, 23 July 2011 (4, a dry coastal meadow of the Kaliningrad Gulf, on *Verbascum thapsus*, leg. V. Alekseev), 1 August 2011 (2, ibidem, leg. V. Alekseev).

Comments: According to Silfverberg (2010a), this locally distributed species has been recorded only in Denmark and Lithuania. It is also found in Poland (Wanat and Mokrzycki 2005) and Belarus (Alexandrovitch et al. 1996). In the northern part of the former East Prussia, it has been recorded only in Rauschen [Svetlogorsk] (Bercio and Folwaczny 1979). This species occurs at the northern border of its distribution range in the Kaliningrad Region and Lithuania.

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(59) Rhamphus oxyacanthae (Marsham, 1802)*

Material examined: Recorded in four localities: a northern suburb of Kaliningrad, 54°45'37.5"N 20°28'22.3"E, 16 May 2009 (1, recorded by sweeping, leg. V. Alekseev); 3 km NE Zelenogradsk, 54°57'52.5"N 20°30'33.2" E, 26 May 2009 (6, a mixed forest, on Sorbus aucuparia, leg. V. Alekseev); 2 km SW Svetlogorsk, 54°56'07" N 20°07'44.3"E, 2 June 2009 (1, a mixed forest, on Sorbus aucuparia, leg. V. Alekseev); Bagrationovsk district, near the railway station '1312 km', 54°33'45.2"N 20°13' 15.6"E, 8 June 2009 (1, recorded by sweeping on bushes at the margin of a mixed forest, leg. V. Alekseev); E suburb of Chernyakhovsk, 54°38'20.3"N 21°49'46.6"E, 21 June 2009 (5, on Pyrus communis, leg. V. Alekseev). Comments: The species is widely distributed in Baltic and Fennoscandian territories and is recorded in all territories except Estonia and Lithuania (Silfverberg 2010a); it is also found in Poland (Wanat and Mokrzycki 2005). In the checklist of the former East Prussia (Bercio and Folwaczny 1979), this species is not mentioned, therefore it is considered to be new to the Kaliningrad Region.

(60) Rhamphus subaeneus (Illiger, 1807)*

Material examined: Bagrationovsk district, Bogdanovka environs, 54°17′59″N 20°01′21″E, 24 May 2009 (7, on flowers of *Crataegus monogina*, leg. V. Alekseev); Zelenogradsk district, Svetlogorsk parish, 54°57′9.48″N 20° 11′55.8″E, 2 June 2009 (2, on flowers of *Crataegus monogina*, leg. V. Alekseev).

Comments: In the Baltic and Fennoscandian regions, this species has been recorded only in Lithuania (Silfverberg 2010a); it is also reported in Poland (Wanat and Mokrzycki 2005). In the checklist of the former East Prussia (Bercio and Folwaczny 1979), this species is not included, therefore it is a new species to the Kaliningrad fauna. The species occurs at the northern border of its distribution range in the Kaliningrad Region and Lithuania.

The great majority of the above mentioned species require peculiar habitat conditions and are sparsely distributed in the Kaliningrad Region and the whole Baltic region. Accessible habitats and hatching biotopes for these species are isolated and fragmented with vast areas in between. About one third of the listed beetles are reported in the studied area for the first time. The main reason for most of the new records has been insufficient attention paid to the local Coleoptera fauna. The distribution of some species has probably undergone changes over the last century. Such species as Dolichus halensis, Harmonia axyridis etc. are expanding their distribution ranges to the north. Some species (Anogcodes ustulatus, O. smreczynskii etc.) are more or less firmly associated with anthropogenic habitats. Certain species (Velleius dilatatus, Triplax rufipes, Pentaphyllus testaceus, Anaglyptus mysticus) are able to inhabit urban and disturbed ecosystems and their scarcity is directly dependent on specific biological peculiarities and the reproductive strategy. Regional checklists could be supplemented by some species (Zeugophora fronatlis, Spermatophagus calystegiae, Phyllotreta astrachanica etc.) after systematic revisions and nomenclature alterations on the basis of newly sampled specimens. The majority of the species discussed therein are quite insignificant to the human economy, but they can be successfully used as markers for the purposes of zoogeographical or nature conservation.

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