

MATERIALS ABOUT THE FAUNA OF BEETLES (INSECTA: COLEOPTERA) OF NAUJENE RURAL MUNICIPALITY (DAUGAVPILS DISTRICT, LATVIA). PART 3

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This paper is the third part of research of Coleoptera of Naujene rural municipality (SE Latvia). New faunistical data on 210 species belonging to 38 families (Gyrinidae, Haliplidae, Dytiscidae, Carabidae, Hydrophilidae, Histeridae, Ptiliidae, Leiodidae, Staphylinidae, Scirtidae, Throscidae, Elateridae, Cantharidae, Trogossitidae, Cleridae, Melyridae, Nitidulidae, Silvanidae, Phalacridae, Cryptophagidae, Erotylidae, Byturidae, Coccinellidae, Latridiidae, Mycetophagidae, Ciidae, Mordellidae, Oedemeridae, Pyrochroidae, Anthicidae, Aderidae, Scraphiidae, Cerambycidae, Megalopodidae, Chrysomelidae, Rhynchitidae, Apionidae and Curculionidae) are presented.

Key words: Coleoptera, Latvia, Naujene rural municipality, fauna.

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INTRODUCTION

The current paper continues the study on Coleoptera fauna of Naujene rural municipality. In previous parts, 166 species representing 28 families (Bukejs 2006) and 254 species representing 17 families (Bukejs & Telnov 2007) were mentioned.

There are new faunistical data on 210 species belonging to 38 families of Coleoptera presented in this paper.

MATERIALS AND METHODS

The material was collected since 2000 till 2011 in different places of Naujene rural municipality (Daugavpils district, Latvia) (Fig.1). In this

area various habitats were investigated: forests (coniferous, deciduous and mixed), forest edges, clearing, burnt area, valley and bank of river Daugava (part of Nature Park “Daugavas Loki”), bank of Lake Lielais Stropu, ponds, meadows (xeric and humid), agrocenosis, park, anthropogenic habitats and others.

Beetles were collected using different entomological methods: entomological net, pit-fall traps, windows traps, visual observation of habitats (on soil, on plants, under different objects etc.), caught by hand, and collecting in hibernation places. A total of 859 specimens of Coleoptera were processed in the current research. The reviewed material is deposited in the collection of the Daugavpils University Institute of Systematic Biology (DUBC,

Daugavpils, Latvia), the private collection of Dmitry Telnov (Rīga, Latvia), and the private collection of author (Daugavpils, Latvia).

The systematics used follows that suggested by Silfverberg (2004).



Fig. 1. Location of research area.

Naujene rural municipality: 1 – Vecstropi, 2 – Krauja, 3 – Stropi, 4 – 0,5 km E from Križi (Daugavpils City), 5 – Kašatniki, 6 – Lociki, 7 – Naujene, 8 – Juzefova park, 9 – Vecpils, 10 – Butiški, 11 – Vasargeliški, 12 – Bukšti, 13 – Slutiški.

RESULTS

During the current research, 210 species representing 38 families of Coleoptera (Gyrinidae, Haliplidae, Dytiscidae, Carabidae, Hydrophilidae, Histeridae, Ptiliidae, Leiodidae, Staphylinidae, Scirtidae, Throscidae, Elateridae, Cantharidae, Trogossitidae, Cleridae, Melyridae, Nitidulidae, Silvanidae, Phalacridae, Cryptophagidae, Erotylidae, Byturidae, Coccinellidae, Latridiidae, Mycetophagidae, Ciidae, Mordellidae, Oedemeridae, Pyrochroidae, Anthicidae, Aderidae, Scaptiidae, Cerambycidae, Megalopodidae, Chrysomelidae, Rhynchitidae, Apionidae and Curculionidae) were recorded.

In the list, following information is given for each species: scientific name & author, faunal data (locality, collecting date, number of collected specimens in oval brackets, information on the habitat and the collector's name abbreviation: A.Ba. – Arvīds Barševskis, A.Bu. – Andris Bukejs, D.T. – Dmitry Telnov, G.L. – Guntis

Lociks, M.B. – Maksims Balalaikins, M.K. – Mārtiņš Kalniņš),

LIST OF SPECIES

GYRINIDAE LATREILLE, 1810

Gyrinus natator (Linnaeus, 1758) – Lociki, 16.VII.2001 (1, G.L.), 05.VIII.2001 (2, G.L.).

HALIPLIDAE KIRBY, 1837

Haliphus ruficollis (DeGeer, 1774) – Lociki, 21.VII.2001 (1, G.L.), 05.VIII.2001 (2, G.L.).

Haliphus immaculatus Gerhardt, 1877 – Lociki, 05.VIII.2001 (2, G.L.).

DYTISCIDAE LEACH, 1815

Copelatus haemorrhoidalis (Fabricius, 1787) – Lociki, 05.VIII.2001 (2, G.L.).

Laccophilus hyalinus hyalinus (DeGeer, 1774) – Naujene, 15.X.2004 (9, Juzefova park, A.Ba.).

Hydroporus palustris (Linnaeus, 1761) – Stropi, 13.V.2006 (1, small pond, A.Bu.), 27.VI.2006 (1, small pond, A.Bu.).

Agabus congener (Thunberg, 1794) – Lociki, 05.VIII.2001 (1, G.L.).

Ilybius guttiger (Gyllenhal, 1808) – Lociki, 05.VIII.2001 (1, G.L.).

Ilybius fuliginosus fuliginosus (Fabricius, 1792) – Lociki, 05.VIII.2006 (4, G.L.).

Colymbetes striatus (Linnaeus, 1758) – Naujene, 15.X.2004 (1, Juzefova park, A.Ba.).

Hydaticus seminiger (DeGeer, 1774) – Stropi, 03.VI.2006 (1, small pond, A.Bu.).

Acilius sulcatus (Linnaeus, 1758) – Stropi, 07.V.2006 (1, small pond, A.Bu.), 03.VIII.2007 (3, small pond, A.Bu.).

Acilius canaliculatus (Nicolai, 1822) – Stropi, 13.V.2006 (1, small pond, A.Bu.), 08.VII.2006

(1, small pond, A.Bu.).

Dytiscus marginalis marginalis Linnaeus, 1758 – Lociki, 05.VIII.2001 (1, G.L.); Stropi, 02.VI.2006 (1, small pond, A.Bu.).

Cybister lateralimarginalis (De Geer, 1774) – Stropi, 12.VI.2007 (1, Lake Lielais Stropu, A.Bu.).

CARABIDAE LATREILLE, 1802

Trechus austriacus Dejean, 1831 – Stropi, 20.VIII.2008 (3, in cellar, under rotten plank, A.Bu.).

This species is known from SE Latvia only.

Badister unipustulatus Bonelli, 1813 – Butiški, 26.V.2008 (1, valley of the Daugava river, A.Bu.).

HYDROPHILIDAE LATREILLE, 1802

Helophorus granularis (Linnaeus, 1761) – Stropi, 07.V.2006 (3, A.Bu.).

Helophorus strigifrons Thomson, 1868 – Stropi, 07.V.2006 (1, A.Bu.).

Anacaena lutescens (Stephens, 1829) – Stropi, 07.V.2006 (6, A.Bu.), 17.VII.2006 (6, A.Bu.), 21.V.2007 (1, moist deciduous forest, A.Bu.).

Laccobius minutus (Linnaeus, 1758) – Stropi, 12.VI.2007 (3, bank of Lake Lielais Stropu, A.Bu.).

Helochares obscurus (Müller, 1776) – Stropi, 12.VI.2007 (1, bank of Lake Lielais Stropu, A.Bu.).

Enochrus quadripunctatus (Herbst, 1797) – Stropi, 20.V.2007 (1, swampy bank of Lake Lielais Stropu, A.Bu.).

Coelostoma orbiculare (Fabricius, 1775) – Stropi, 20.V.2007 (1, swampy bank of Lake Lielais Stropi, A.Bu.), 12.VI.2007 (1, bank of Lake Lielais Stropu, A.Bu.).

Cercyon obsoletus (Gyllenhal, 1808) – Stropi, 04.VIII.2006 (1, in cow excrements, A.Bu.), 05.VIII.2006 (1, in cow excrements, A.Bu.).

Cercyon castaneipennis Vorst, 2009 – Stropi, 29.V.2007 (1, sandy agrocenosis, on horse excrements, A.Bu.).

Cercyon impressus (Sturm, 1807) – Stropi, 05.VIII.2006 (2, in cow excrements, A.Bu.).

Cercion haemorrhoidalis (Fabricius, 1787) – Stropi, 29.V.2007 (1, sandy agrocenosis, on horse excrements, A.Bu.).

Cercyon lateralis (Marsham, 1802) – Lociki, 18.VII.2001 (1, G.L.); Stropi, 05.VIII.2006 (16, in cow excrements, A.Bu.), 29.V.2007 (1, sandy agrocenosis, on horse excrements, A.Bu.).

Cercyon bifenestratus Kuster, 1851 – Butiški, 21.VIII.2006 (1, near Daugava river, M.B. & A.Bu.); Stropi, 05.V.2006 (1, A.Bu.).

Cercyon marinus Thomson, 1853 – Butiški, 21.VIII.2006 (1, valley of the Daugava river, A.Bu. & M.B.); Stropi, 06.V.2006 (1, A.Bu.), 14.V.2006 (1, bank of Lake Lielais Stropu, A.Bu.), 21.V.2007 (1, bank of pond, A.Bu.).

Cercyon unipunctatus (Linnaeus, 1758) – 12.VI.2007 (1, bank of Lake Lielais Stropu, A.Bu.).

Cercion quisquilius (Linnaeus, 1761) – Stropi, 29.V.2007 (1, sandy agrocenosis, on horse excrements, A.Bu.).

Cercyon pygmaeus (Illiger, 1801) – Stropi, 29.VII.2006 (1, dry meadow, in cow excrements, A.Bu.), 05.VIII.2006 (3, in cow excrements, A.Bu.), 29.V.2007 (1, agrocenosis, A.Bu.).

Cryptopleurum minutum (Fabricius, 1775) – Stropi, 05.VIII.2006 (3, in cow excrements, A.Bu.).

Cryptopleurum crenatum (Panzer, 1794) – Stropi, 29.V.2007 (1, sandy agrocenosis, on

horse excrements, A.Bu.).

HISTERIDAE GYLLENHAL, 1808

Cylistix lineare (Erichson, 1834) – Stropi, 22.VI.2007 (1, old clearing, A.Bu.).

Margarinotus striola (C.Sahlberg, 1819) – Stropi, 12.V.2007 (4, moist deciduous forest, A.Bu.).

Margarinotus bipustulatus (Schrank, 1781) – Stropi, 08.V.2010 (2, uncultivated sandy agrocenosis, A.Bu.).

Dendrophilus corticalis (Paykull, 1798) – Butiški, 27.V.2007 (1, valley of the Daugava river, A.Bu.).

Paromalus parallelepipedus (Herbst, 1792) – Stropi, 14.V.2006 (4, A.Bu.), 27.VII.2007 (1, edge of mixed forest, A.Bu.), 20.IV.2008 (12, clearing, under bark of fallen *Pinus*, A.Bu.); Vecstropi, 20.V.2007 (1, burning area in coniferous forest, A.Bu.).

Plegaderus vulneratus (Panzer, 1797) – Stropi, 14.V.2006 (1, A.Bu.).

Saprinus aeneus (Fabricius, 1775) – Stropi, 29.V.2007 (1, agrocenosis, A.Bu.).

PTILIIDAE HEER, 1843

Acrotrichis grandicollis (Mannerheim, 1844) – Stropi, 05.VIII.2006 (1, dry meadow, on cow excrements, A.Bu.).

Acrotrichis sericans (Heer, 1841) – Stropi, 04.VIII.2006 (1, dry meadow, on cow excrements, A.Bu.).

Acrotrichis dispar (Matthews, 1865) – Stropi, 05.VIII.2006 (1, dry meadow, on cow excrements, A.Bu.).

LEIODIDAE FLEMING, 1821

LEIODINAE FLEMING, 1821

Amphicyllus globus (Fabricius, 1792) – Vecstropi, 19-31.V.2007 (2, burnt area in coniferous forest, A.Bu.), 20.VI-03.VII.2007 (1, burnt area, A.Bu.).

Amphicyllus globiformis (Sahlberg, 1833) – Vecstropi, 04.VII-17.VII.2007 (1, burnt area, A.Bu.).

CHOLEVINAE KIRBY, 1837

Catops nigricans (Spence, 1815) – Vecstropi, 04.VII-17.VII.2007 (1, mixed forest, A.Bu.).

STAPHYLINIDAE LATREILLE, 1802

Acrulia inflata (Gyllenhal, 1813) – Stropi, 29-30.IV.2006 (1, A.Bu.).

Scaphidium quadrimaculatum Olivier, 1790 – Butiški, 12.VIII.2006 (1, under dry pine trunk, A.Bu. & M.B.); Krauja, 29.V.2007 (4, old clearing, under bark of rotten pine, A.Bu.); Lociki, 13.X.2000 (1, G.L.).

Emus hirtus (Linnaeus, 1758) – Stropi, 29.V.2007 (2, sandy agrocenosis, on fresh horse excrements, A.Bu.).

Staphylinus erythropterus Linnaeus, 1758 – Vecstropi, 19-31.V.2007 (3, mixed forest, pitfall trap, A.Bu.).

Philonthus rubripennis (Stephens, 1832) – Naujene, 24.VII.2005 (1, valley of the Daugava river, D.T.); Stropi, 01.VII.2006 (1, bank of Lake Lielais Stropu, D.T.).

Eusphalerum minutum (Fabricius, 1792) – Naujene, 30.VI.2006 (1, forest, D.T.).

Atheta crassicornis (Fabricius, 1792) – Naujene, 30.VI.2006 (1, meadow, D.T.).

Tachyporus obtusus (Linnaeus, 1767) – Stropi, 01.VII.2006 (2, bank of Lake Lielais Stropu, D.T.).

Megarathrus depressus (Paykull, 1789)

[=*sinuatocollis* auct., nec (Lacordaire, 1835)] – Stropi, 02.IX.2006 (1, sandy agrocenosis, A.Bu.), 16.IV.2007 (2, mixed forest, on birch sap, A.Bu.).

Olophrum assimile (Paykull, 1800) – Stropi, 20.V.2006 (1, swampy bank of Lake Lielais Stropu, A.Bu.).

Rybaxis longicornis (Leach, 1817) – Stropi, 03.VI.2006 (1, A.Bu.).

SCIRTIDAE FLEMING, 1821

Cyphon variabilis (Thunberg, 1787) – Butiški, 12.VIII.2006 (1, near Daugav river, A.Bu. & M.B.); Stropi, 10.VIII.2006 (1, A.Bu.), 20.V.2007 (1, swampy bank of Lake Lielais Stropu, A.Bu.), 28.V.2007 (1, meadow near Lake Lielais Stropu, A.Bu.), 22.VI.2007 (1, old clearing, A.Bu.).

Cyphon laevipennis Tournier, 1868 – Stropi, 25.V.2007 (1, swampy bank of Lake Lielais Stropu, A.Bu.).

Cyphon pubescens (Fabricius, 1792) – Krauja, 04.VIII.2007 (1, old clearing, A.Bu.).

Cyphon padi (Linnaeus, 1758) – Butiški, 12.VIII.2006 (1, near Daugava river, M.B. & A.Bu.); Stropi, 14.V.2006 (1, bank of Lake Lielais Stropu, A.Bu.), 25.V.2007 (3, swampy bank of Lake Lielais Stropu, A.Bu.).

THROSCIDAE LAPORTE DE CASTELNAU, 1840

Trixagus dermestoides (Linnaeus, 1767) – Stropi, 22.VI.2007 (1, old clearing, A.Bu.).

ELATERIDAE LEACH, 1815

Agrypnus murinus (Linnaeus, 1758) – Butiški, 27.V.2007 (2, valley of the Daugava river, A.Bu.); Slutiški, 24.V.2003 (10, valley of the Daugava river, M.K.); Stropi, 13.V.2006 (1, A.Bu.), 03.VI.2006 (2, A.Bu.), 09.VI.2006 (1, A.Bu.), 27.VI.2006 (1, A.Bu.), 02.VII.2006 (1, A.Bu.), 21.V.2007 (1, agrocenosis, A.Bu.).

Hemicrepidius niger (Linnaeus, 1758) – Naujene, 30.VI.2006 (1, meadow, D.T.).

Athous subfuscus (Müller, 1767) – Krauja, 29.V.2007 (4, old clearing, A.Bu.); Stropi, 09.VI.2006 (7, A.Bu.), 09.VII.2006 (2, old clearing, A.Bu.), 25.V.2007 (6, old clearing, A.Bu.); Vecstropi, 25.V.2007 (10, burying area in coniferous forest, A.Bu.).

Denticollis linearis (Linnaeus, 1758) – Stropi, 17.IV.2007 (1 dead specimen, moist deciduous forest, under bark of dead standing *Alnus incana*, A.Bu.), 28.V.2007 (2, meadow near Lake Lielais Stropu, A.Bu.).

Cidnopus aeruginosus (Olivier, 1790) – Butiški, 27.V.2007 (1, valley of the Daugava river, A.Bu.); Stropi, 05.V.2006 (4, A.Bu.), 09.VI.2006 (5, A.Bu.), 20.V.2007 (4, agrocenosis, A.Bu.).

Ctenicera pectinicornis (Linnaeus, 1758) – Stropi, 03.VI.2006 (2, A.Bu.).

Actenicerus sjaelandicus (Müller, 1764) – Stropi, 06.V.2006 (3, A.Bu.).

Prosternon tessellatum (Linnaeus, 1758) – Butiški, 12.VIII.2006 (2, near Daugava river, A.Bu. & M.B.), 03.VIII.2007 (1, valley of the Daugava river, A.Bu. & M.B.); Vecstropi, 01-10.VI.2007 (1, burning area in coniferous forest, A.Bu.).

Anostirus castaneus (Linnaeus, 1758) – Stropi, 20.V.2007 (1, old clearing, A.Bu.).

Selatosomus cruciatus (Linnaeus, 1758) – Butiški, 27.V.2007 (1, valley of the Daugava river, A.Bu.).

Selatosomus aeneus (Linnaeus, 1758) – Butiški, 14.VI.2008 (3, dry meadow, A.Bu.); Stropi, IV-IX.2000-2011 (numerous, sandy agrocenosis, A.Bu.).

Negastrius pulchellus (Linnaeus, 1761) – Stropi, 11.VI.2009 (1, sandy agrocenosis, A.Bu.), 05.V.2010 (8, uncultivated sandy agrocenosis,

A.Bu.), 22.V.2010 (2, uncultivated sandy agrocenosis, A.Bu.).

Ampedus balteatus (Linnaeus, 1758) – Stropi, 13.V.2007 (1, agrocenosis, A.Bu.), 20.V.2007 (1, A.Bu.); Vecstropi, 19-31.V.2007 (1, burning area in coniferous forest, A.Bu.).

Agriotes sputator (Linnaeus, 1758) – Slutiški, 24.V.2003 (10, valley of Daugava river, M.K.).

Agriotes lineatus (Linnaeus, 1767) – Slutiški, 24.V.2003 (10, valley of Daugava river, M.K.).

Agriotes obscurus (Linnaeus, 1758) – Butiški, 27.V.2007 (2, valley of Daugava river, A.Bu.); Naujene, 25.V.2002 (1, Juzefova park, A.Ba.), Stropi, 03.VI.2006 (1, A.Bu.), 09.VI.2006 (1, agrocenosis, A.Bu.).

Ectinus aterrimus (Linnaeus, 1761) – Stropi, 03.VI.2006 (6, A.Bu.), 09.VI.2006 (1, A.Bu.), 25.V.2007 (1, swampy bank of Lake Lielais Stropu, A.Bu.).

Dalopius marginatus (Linnaeus, 1758) – Krauja, 29.V.2007 (1, old clearing, A.Bu.); Stropi, 14.V.2006 (1, bank of Lake Lielais Stropu, A.Bu.), 26-27.V.2006 (1, A.Bu.), 03.VI.2006 (1, A.Bu.), 09.VI.2006 (4, A.Bu.), 01.VII.2006 (1, bank of Lake Lielais Stropu, D.T.), 12.V.2007 (1, moist deciduous forest, A.Bu.), 25.V.2007 (3, old clearing, A.Bu.); Vecstropi, 25.V.2007 (2, burning area in coniferous forest, A.Bu.).

Cardiophorus ruficollis (Linnaeus, 1758) – Stropi, 29-30.IV.2006 (5, A.Bu.), 06.V.2006 (1, A.Bu.), 20.V.2007 (1, A.Bu.).

CANTHARIDAE IMHOFF, 1856

Cantharis fusca Linnaeus, 1758 – Naujene, 30.VI.2006 (1, meadow, D.T.).

Cantharis nigra (DeGeer, 1774) [=bicolor Herbst, 1784] – Butiški, 02.VII.2007 (2, valley of the Daugava river, A.Bu.).

Cantharis flavilabris Fallén, 1807 [=fulvicollis

Fabricius, 1792] – Naujene, 30.VI.2006 (2, meadow, D.T.); Stropi, 01.VII.2006 (1, bank of Lake Lielais Stropu, D.T.).

Rhagonycha fulva (Scopoli, 1763) – Naujene, 24.VII.2005 (10, valley of the Daugava river, on Umbelliferae flowers, D.T.).

Rhagonycha limbata Thomson, 1864 – Krauja, 29.V.2007 (6, old clearing, A.Bu.).

TROGOSSITIDAE LATREILLE, 1802

Peltis grossa (Linnaeus, 1758) – Butiški, 26.V.2008 (2, valley of the Daugava river, under dry bark of rotten birch trunk, A.Bu.).

This species is included in the list of indicator species of natural forest habitats.

Ostoma ferruginea (Linnaeus, 1758) – Stropi, 20.VIII.2008 (1, in cellar, under rotten plank, A.Bu.).

CLERIDAE LATREILLE, 1802

Thanasimus formicarius (Linnaeus, 1758) – Butiški, 01.VII.2009 (1, pine forest, on burned trunk of *Pinus*, A.Bu. & M.B.).

MELYRIDAE LEACH, 1815

Cordylepherus viridis (Fabricius, 1792) – Butiški, 26.V.2008 (8, valley of the Daugava river, wet meadow, A.Bu.).

NITIDULIDAE LATREILLE, 1802

Ipidia binotata Reitter, 1875 – Krauja, 28.VII.2006 (2, A.Bu.); Stropi, 09.VI.2006 (4, A.Bu.); Vecstropi, 10.VIII.2007 (1, burnt area in coniferous forest, under bark of pine, A.Bu.).

Pocadius ferrugineus (Fabricius, 1775) – Stropi, 29.VII.2006 (3, on sporophore, A.Bu.).

Thalycra fervida (Olivier, 1790) – Butiški, 12.VIII.2006 (1, valley of the Daugava river, A.Bu.).

In Latvia it is very rare species.

Cryptarcha strigata (Fabricius, 1787) – Naujene, 24.V.2002 (1, Juzefova park, A.Ba.).

Glischrochilus hortensis (Geoffroy, 1785) – Stropi, 29-30.IV.2006 (3, A.Bu.), 06.V.2006. (1, A.Bu.), 15.VIII.2006 (1, on fungi, A.Bu.).

Glischrochilus quadripunctatus (Linnaeus, 1758) – 06.V.2006 (1, A.Bu.).

Cybocephalus politus (Gyllenhal, 1813) – Stropi, 21.V.2007 (1, agrocenosis, A.Bu.).

SILVANIDAE KIRBY, 1837

Uleiota planata (Linnaeus, 1761) – Stropi, 27.VII.2007 (1, edge of mixed forest, under bark of dead standing pine, A.Bu.).

PHALACRIDAE LEACH, 1815

Phalacrus nigrinus Marsham, 1802 – Stropi, 10.VIII.2006 (2, A.Bu.), 11.VIII.2006 (2, A.Bu.), 25.V.2007 (2, swampy bank of Lake Lielais Stropu, A.Bu.).

Olibrus bimaculatus Küster, 1848 – Lociki, 24.IV.2001 (1, G.L.).

CRYPTOPHAGIDAE KIRBY, 1837

Atomaria fuscata (Schönherr, 1808) – Stropi, 05.V.2006 (1, A.Bu.), 06.V.2006 (1, A.Bu.), 13.V.2006 (1, A.Bu.).

Atomaria lewisi Reitter, 1877 – Stropi, 06.V.2006 (2, A.Bu.).

Atomaria umbrina (Gyllenhal, 1827) – Stropi, 03.VI.2006 (1, A.Bu.).

EROTYLIDAE LATREILLE, 1802

Dacne bipustulata (Thunberg, 1781) – Krauja, 04.VIII.2007 (1, old clearing, inside sporophore on rotten birch stump, A.Bu.).

Triplax russica (Linnaeus, 1758) – Stropi, 28.V.2007 (1, A.Bu.).

BYTURIDAE JACQUELIN DU VAL, 1858

Byturus ochraceus (Scriba, 1790) – Naujene, 30.VI.2006 (2, forest, in copula, D.T.).

COCCINELLIDAE LATREILLE, 1807

Anatis ocellata (Linnaeus, 1758) – Vecstropi, 20.V.2007 (1, burning area in coniferous forest, in flight, A.Bu.).

Hippodamia variegata (Goeze, 1777) – Slutiški, 24.V.2003 (1, valley of the Daugava river, M.K.); Stropi, 01.VII.2006 (1, bank of Lake Lielais Stropu, D.T.).

Coccinella septempunctata Linnaeus, 1758 – Naujene, 24.VII.2005 (1, valley of the Daugava river, D.T.).

Coccinella quinquepunctata Linnaeus, 1758 – Naujene, 24.VII.2005 (4, valley of the Daugava river, D.T.).

Subcoccinella vigintiquatuorpunctata (Linnaeus, 1758) – Slutiški, 24.V.2003 (10, valley of the Daugava river, M.K.); Stropi, 31.V.2008 (3, agrocenosis, A.Bu.).

LATRIDIIDAE ERICHSON, 1842

Corticara gibbosa (Herbst, 1793) – Butiški, 12.VIII.2006 (2, valley of the Daugava river, A.Bu. & M.B.), 21.VIII.2006 (9, near Daugava river, M.B. & A.Bu.); Krauja, 28.VII.2006 (2, A.Bu.); Stropi, 13.V.2006 (1, A.Bu.), 09.VI.2006 (1, A.Bu.), 02.VII.2006 (1, A.Bu.), 17.VII.2006 (1, A.Bu.), 29.VII.2006 (1, A.Bu.), 11.VIII.2006 (2, A.Bu.), 25.V.2007 (4, old clearing, A.Bu.), 28.V.2007 (1, meadow near Lake Lielais Stropu, A.Bu.); Vecstropi, 25.V.2007 (1, burning area in coniferous forest, A.Bu.).

Corticarina minuta (Fabricius, 1792) [= *fuscata* (Gyllenhal, 1827)] – Butiški, 21.VIII.2006 (3, valley of the Daugava river, M.B. & A.Bu.); Krauja, 28.VII.2006 (1, A.Bu.).

Melanophthalma curticolis (Mannerheim,

1844) [=transversalis (Gyllenhal, 1827)] – D.T.).
Krauja, 28.VII.2006 (1, A.Bu.).

MYCETOPHAGIDAE LEACH, 1815

Typhea stercorea (Linnaeus, 1758) – Lociki,
16.VII.2001 (1, G.L.), 21.VII.2001 (1, G.L.),
20.VIII.2001 (2, G.L.).

CIIDAE LEACH, 1819

Cis nitidus (Fabricius, 1792) – Stropi,
20.IX.2005 (3, A.Bu.), 26-27.V.2006 (2, A.Bu.),
03.VI.2006 (1, A.Bu.), 10.VIII.2006 (1, A.Bu.).

Cis jacquemartii Mellie, 1848 – Butiški,
21.VIII.2006 (1, valley of the Daugava river,
M.B. & A.Bu.); Stropi, 29-30.IV.2006 (1,
A.Bu.), 26-27.V.2006 (1, A.Bu.), 03.VI.2006 (1,
A.Bu.).

Cis glabratus Mellie, 1848 – Stropi, 16.VI.2006
(7, old clearing, A.Bu.).

Cis hispidus (Paykull, 1798) – Krauja,
04.VIII.2007 (1, old clearing, A.Bu.).

Cis micans (Fabricius, 1792) – Butiški,
21.VIII.2006 (1, valley of the Daugava river,
M.B. & A.Bu.).

Cis boleti (Scopoli, 1763) – Krauja, 04.VIII.2007
(2, old clearing, A.Bu.).

Ennearthron cornutum (Gyllenhal, 1827) –
Stropi, 06.V.2006 (1, A.Bu.).

Orthocis alni (Gyllenhal, 1813) – Naujene,
15.IX.2004 (1, Juzefova park, A.Ba.).

Sulcacis affinis (Gyllenhal, 1827) – Butiški,
21.VIII.2006 (2, valley of the Daugava river,
M.B. & A.Bu.); Krauja, 04.VIII.2007 (1, old
clearing, A.Bu.).

MORDELLIDAE LATREILLE, 1802

Variimorda villosa (Schrank, 1781) – Naujene,
24.VII.2005 (1, valley of the Daugava river,

Hoshihananomia perlata (Sulzer, 1776) –
Stropi, 09.VII.2006 (1, old clearing, A.Bu.).

Mordellistena variegata (Fabricius, 1798) –
Stropi, 11.VIII.2006 (1, A.Bu.).

OEDEMERIDAE LATREILLE, 1810

Oedemera lurida (Marsham, 1802) – Slutiški,
24.V.2003 (1, valley of the Daugava river,
M.K.).

Oedemera virescens (Linnaeus, 1767) –
Slutiški, 24.V.2003 (1, valley of the Daugava
river, M.K.).

PYROCHROIDAE LATREILLE, 1807

Schizotus pectinicornis (Linnaeus, 1758) –
Butiški, 26.V.2008 (1, valley of the Daugava
river, A.Bu.).

ANTHICIDAE LATREILLE, 1819

Notoxus monoceros (Linnaeus, 1760) – Slutiški,
24.V.2003 (1, valley of the Daugava river,
M.K.).

Omonadus floralis (Linnaeus, 1758) – Lociki,
07.VIII.2001 (1, G.L.), 20.VIII.2001 (1, G.L.).

Omonadus formicarius (Goeze, 1777) – Stropi,
02.VII.2006 (1, A.Bu.).

ADERIDAE WINKLER, 1927

Anidorus nigrinus (Germar, 1831) – Stropi,
22.VI.2007 (1, old clearing, A.Bu.).

SCRAPTHIDAE MULSANT, 1856

Cyrtanapsis phalerata (Germar, 1831) – Stropi,
11.VIII.2006 (1, A.Bu.).

Anapsis frontalis (Linnaeus, 1758) – Lociki,
16.V.2001 (1, G.L.); Stropi, 09.V.2006 (4,
old clearing, A.Bu.), 03.VI.2006 (1, A.Bu.);

Vasarergeliški, 26.VI.2001 (1, G.L.).

Anapsis thoracica (Linnaeus, 1758) – Stropi, 17.VII.2006 (1, A.Bu.).

Anapsis rufilabris (Gyllenhal, 1827) – Križi, 16.VIII.2001 (1, G.L.).

CERAMBYCIDAE LATREILLE, 1802

Rhagium mordax (DeGeer, 1775) – Butiški, 26.V.2008 (1, valley of the Daugava river, A.Bu.).

Pachyta quadrimaculata (Linnaeus, 1758) – Stropi, 02.VII.2008 (1, clearing, on flowers of Umbelliferae, A.Bu.).

Monochamus galloprovincialis pistor (Germar, 1818) – Stropi, 10.VIII.2009 (1, in flight, A.Bu.).

Acanthocinus aedilis (Linnaeus, 1758) – Stropi, 20.IV.2008 (9, clearing, on trunk of fallen *Pinus*, A.Bu.).

Agapanthia villosoviridescens (DeGeer, 1775) – Butiški, 26.V.2008 (1, valley of the Daugava river, wet meadow, A.Bu.).

MEGALOPODIDAE LATREILLE, 1802

Zeugophora subspinosa (Fabricius, 1781) – Stropi, 02.VII.2008 (1, clearing, A.Bu.).

CHRYSOMELIDAE LATREILLE, 1802

Labidostomis tridentata (Linnaeus, 1758) – Butiški, 01.VII.2009 (2, valley of the Daugava river, dry meadow, A.Bu. & M.B.).

Labidostomis longimana (Linnaeus, 1761) – Butiški, 01.VII.2009 (10, valley of the Daugava river, dry meadow, on *Trifolium*, A.Bu.).

Cryptocephalus octopunctatus (Scopoli, 1763) – Butiški, 01.VII.2009 (1, bank of the Daugava river, A.Bu. & M.B.); Stropi, 17.V.2009 (1, dry meadow, A.Bu.).

Cryptocephalus parvulus Müller, 1776 – Stropi, 02.VII.2008 (1, clearing, A.Bu.).

Chrysolina collaris Linnaeus, 1758 – Butiški, 01.VII.2009 (10, valley of the Daugava river, on *Salix*, A.Bu. & M.B.).

Chrysolina graminis (Linnaeus, 1758) – Stropi, 02.VII.2008 (1, agrocenosis, on *Mentha* sp., A.Bu.).

Bruchus affinis Frölich, 1799 – Naujene 8 km S, 11-12.VI.2002 (1, valley of the Daugava river, xeric meadow, D.T.).

Acanthoscelides obtectus (Say, 1831) – Stropi, 27.VII.2007 (1, in room, A.Bu.), 10.VIII.2007 (>100, in room, on seeds of *Phaseolus* sp., A.Bu.). The species is dangerous pest of stores (Mordkovitch, Sokolov 1999).

RHYNCHITIDAE GISTEL, 1848

Byctiscus betulae (Linnaeus, 1758) – Krauja, 29.V.2007 (1, old clearing, A.Bu.).

APIONIDAE SCHÖNHERR, 1823

Nanophyinae Gistel, 1856

Nanophyes marmoratus (Goeze, 1777) – Butiški, 12.VIII.2006 (1, valley of the Daugava river, on *Lythrum*, A.Bu. & M.B.).

CURCULIONIDAE LATREILLE, 1802

Otiorhynchus raucus (Fabricius, 1777) – Stropi, 20.IX.2005 (1, A.Bu.).

Otiorhynchus scaber (Linnaeus, 1758) – Stropi, 25.V.2007 (1, old clearing, A.Bu.).

Otiorhynchus smreczynskii Cmoluch, 1968 – Stropi, 12.VIII.2011 (1, on *Syringa vulgaris*, A.Bu.); in this settlement the author also observed many shrubs of *Syringa vulgaris* with typical leaf-edge-cuts made by this species. Insufficiently known species in Latvia (Balalaikins, Bukejs 2011).

- Otiiorhynchus ovatus* (Linnaeus, 1758) – Lociki, 06.VIII.2001 (1, G.L.), 20.VIII.2001 (2, G.L.), 27.VIII.2001 (1, G.L.); Stropi, VII.2004 (1, meadow, pit-fall trap, A.Bu.), 20.IX.2005 (6, A.Bu.), 29-30.IV.2006 (1, A.Bu.), 13.V.2006 (1, A.Bu.), 02.VII.2006 (1, A.Bu.), 17.VII.2006 (2, A.Bu.), 04.VIII.2006 (1, A.Bu.), 15.X.2006 (1, A.Bu.), 11.VI.2009 (1, A.Bu.).
- Phyllobius virideaeris* (Laicharting, 1781) – Stropi, 26-27.V.2006 (1, A.Bu.), 03.VI.2006 (1, A.Bu.).
- Phyllobius oblongus* (Linnaeus, 1758) – Lociki, 26.V.2001 (2, G.L.); Naujene, 24.V.2002 (1, Juzefova park, A.Ba.).
- Phyllobius pyri* (Linnaeus, 1758) – Butiški, 27.V.2007 (1, valley of the river Daugava, A.Bu.); Stropi, VII.2004 (1, meadow, pit-fall trap, A.Bu.), 13.V.2006 (3, A.Bu.), 03.VI.2006 (3, A.Bu.), 10.VI.2006 (2, A.Bu.), 25.V.2007 (1, swampy bank of Lake Lielais Stropu, A.Bu.).
- Phyllobius maculicornis* Germar, 1824 – Lociki, 26.V.2001 (4, G.L.), 21.VII.2001 (1, G.L.); Naujene, 24.V.2002 (1, Juzefova park, A.Ba.); Stropi, 03.VI.2006 (2, A.Bu.), 09.VI.2006 (10, A.Bu.).
- Phyllobius argentatus* (Linnaeus, 1758) – Lociki, 26.V.2001 (1, G.L.); Stropi, 09.VI.2006 (7, A.Bu.), 25.V.2007 (1, swampy bank of Lake Lielais Stropu, A.Bu.).
- Phyllobius arborator* (Herbst, 1797) – Stropi, 09.VI.2006 (2, agrocenosis, A.Bu.).
- Phyllobius glaucus* (Scopoli, 1763) – Lociki, 26.V.2001 (4, G.L.); Naujene, 24.VII.2005 (1, valley of the Daugava river, on *Corylus* sp., D.T.).
- Polydrosus cervinus* (Linnaeus, 1758) – Lociki, 26.V.2001 (1, G.L.).
- Polydrosus undatus* (Fabricius, 1781) – Stropi, 16.VI.2006 (1, old clearing, A.Bu.).
- Polydrosus fulvicornis* (Fabricius, 1792) – Lociki, 26.VI.2001 (4, G.L.).
- Polydrosus mollis* (Ström, 1768) – Naujene, 24.V.2002 (1, Juzefova park, A.Ba.).
- Sciaphilus asperatus* (Bonsdorff, 1785) – Lociki, 26.V.2001 (2, G.L.), 20.VIII.2001 (1, G.L.), 28.VIII.2001 (1, G.L.).
- Brachysomus echinatus* (Bonsdorff, 1785) – Lociki, 06.VII.2001 (1, G.L.).
- Barypeithes pellucidus* (Boheman, 1843) – Lociki, 21.VII.2001 (1, G.L.).
Rare species in Latvia (Balalaikins 2011).
- Barypeithes trichopterus* (G. des Cottes, 1863) – Lociki, 20.VIII.2001 (1, G.L.).
- Brachyderes incanus* (Linnaeus, 1758) – Lociki, 26.V.2001 (1, G.L.); Vasargilišķi, 26.VI.2001 (1, G.L.).
- Chlorophanus viridis* (Linnaeus, 1758) – Naujene, 24.VII.2005 (10, valley of the Daugava river, D.T.); Stropi, 27.VI.2006 (1, A.Bu.), 02.VII.2006 (2, A.Bu.).
- Philopodon plagiatus* (Schaller, 1783) – Stropi, 07.V.2006 (1, A.Bu.), 03.VI.2006 (2, A.Bu.), 09.VI.2006 (3, A.Bu.), 30.IV.2007 (1, agrocenosis, A.Bu.), 21.V.2007 (2, agrocenosis, A.Bu.), 11.VI.2009 (3, A.Bu.).
- Tanymecus palliatus* (Fabricius, 1787) – Stropi, 17.VII.2006 (1, A.Bu.), 28.V.2007 (1, meadow near Lake Lielais Stropu, A.Bu.), 20.V.2007 (1, agrocenosis, A.Bu.), 29.V.2007 (1, agrocenosis, A.Bu.), 11.VI.2009 (1, A.Bu.).
- Sitona lineatus* (Linnaeus, 1758) – Lociki, 20.VIII.2001 (1, G.L.); Stropi, 26-27.V.2006 (1, A.Bu.).
- Sitona lateralis* Gyllenhal, 1834 – Stropi, 11.VI.2009 (1, A.Bu.).
- Sitona sulcifrons* (Thunberg, 1798) – Lociki,

- 20.VIII.2001 (1, G.L.); Stropi, 11.VIII.2006 (1, A.Bu.), 10.IX.2005 (1, agrocnosis, A.Bu.), 15.VIII.2007 (1, A.Bu.).
Sitona lepidus Gyllenhal, 1834 – Stropi, 11.VIII.2006 (1, A.Bu.), 13.V.2007 (2, agrocnosis, A.Bu.), 11.VI.2009 (1, A.Bu.).
- Sitona ambiguus* Gyllenhal, 1834 – Stropi, 05.V.2006 (1, A.Bu.).
- Sitona hispidulus* (Fabricius, 1777) – Lociki, 26.V.2001 (1, G.L.); Stropi, 11.VIII.2006 (1, A.Bu.), 15.VIII.2007 (3, meadow, A.Bu.).
- Sitona humeralis* Stephens, 1831 – Butiški, 21.VIII.2006 (1, near Daugava river, A.Bu.).
- Larinus sturnus* (Schaller, 1783) – Lociki, 16.V.2001 (1, G.L.).
- Lixus iridis* Olivier, 1807 – Butiški, 27.V.2007 (1, valley of the Daugava River, M.B.); Krauja, 29.V.2007 (2, old clearing, A.Bu.); Lociki, 21.VII.2001 (1, G.L.); Stropi, 11.VIII.2006 (1, bank of Lake Lielais Stropu, A.Bu.), 25.V.2007 (4, swampy bank of Lake Lielais Stropu, A.Bu.).
- Bothynoderes affinis* (Schrank, 1781) – Lociki, 20.VIII.2001 (1, G.L.); Stropi, 27.VI.2006 (1, A.Bu.), 11.VI.2009 (2, sandy agrocnosis, A.Bu.).
- Cleonis pigra* (Scopoli, 1763) – Lociki, 26.V.2001 (1, G.L.), 20.VIII.2001 (6, G.L.); Stropi, 26.V.2007 (1, agrocnosis, A.Bu.), 11.VI.2009 (1, A.Bu.).
- Hypera dauci* (Olivier, 1807) – Stropi, 21.V.2007 (1, agrocnosis, A.Bu.).
- Hypera rumicis* (Linnaeus, 1758) – Lociki, 26.VIII.2001 (1, G.L.); Stropi, 21.V.2007 (2, agrocnosis, A.Bu.).
- Hypera meles* (Fabricius, 1792) – Stropi, 29-30.IV.2006 (1, A.Bu.).
- Hypera arator* (Linnaeus, 1758) – Stropi, 11.VI.2009 (1, A.Bu.).
- Hypera miles* (Paykull 1792) [= *suspiciosa* (Herbst, 1795)] – Lociki, 07.VIII.2001 (1, G.L.); Stropi, 28.V.2007 (1, meadow near Lake Lielais Stropu, A.Bu.).
- Grypus equiseti* (Fabricius, 1775) – Butiški, 12.VIII.2006 (1, near Daugava river, A.Bu. & M.B.).
- Notaris acridulus* (Linnaeus, 1758) – Lociki, 21.VII.2001 (3, G.L.).
- Cionus hortulanus* (Geoffroy, 1785) – Lociki, 24.VII.2001 (1, G.L.); Naujene, 24.V.2004 (1, Juzefova park, A.Ba.).
- Anthonomus rubi* (Herbst, 1795) – Butiški, 12.VIII.2006 (1, near Daugava river, A.Bu. & M.B.); Lociki, 26.V.2001 (1, G.L.); Stropi, 02.VII.2006 (1, A.Bu.), 25.V.2007 (1, A.Bu.), 28.V.2007 (1, meadow near Lake Lielais Stropu, A.Bu.).
- Brachonyx pineti* (Paykull, 1792) – Stropi, IX.2011 (1 dry specimen, A.Bu.).
- Rhynchaenus loniceræ* (Herbst, 1795) – Lociki, 02.VIII.2001 (3, G.L.).
- Hylobius abietis* (Linnaeus, 1758) – Stropi, IX.2003 (1, A.Bu.); Vecstropi, 20.V.2007 (3, burnt area in coniferous forest, A.Bu.).
- Hylobius pinastri* (Gyllenhal, 1813) – Krauja, 29.V.2007 (1, old clearing, A.Bu.); Stropi, 09.VI.2006 (1, A.Bu.); Vecstropi, 20.V.2007 (20, burnt area in coniferous forest, A.Bu.).
- Cryptorhynchus lapathi* (Linnaeus, 1758) – Stropi, 13.VII.2005 (1, A.Bu.).
- Limnobaris pilistriata* (Stephens, 1831) – Stropi, 28.V.2007 (1, meadow near Lake Lielais Stropu, A.Bu.).
- Sitophilus granarius* (Linnaeus, 1758) – Stropi, 17.VII.2006 (3, A.Bu.), 20.V.2007 (1, agrocnosis, A.Bu.).

Hylurgops palliatus (Gyllenhal, 1813) – Stropi, 06.V.2006 (1, A.Bu.).

Pityogenes chalcographus (Linnaeus, 1761) – Lociki, 27.VIII.2001 (3, G.L.); Stropi, 06.V.2006 (1, A.Bu.); Vecstropi, 20.V.2007 (3, burning area in coniferous forest, A.Bu.), 25.V.2007 (1, burning area in coniferous forest, A.Bu.).

Dryocoetes alni (Georg, 1856) – Lociki, 17.05.2001 (1, G.L.).

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