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Contributions to the knowledge of Latvian Coleoptera. 10

DMITRY TELNOV¹, **ANDRIS BUKEJS**², **JĀNIS GAILIS**³, **MĀRTIŅŠ KALNIŅŠ**⁴,
ALEXANDER G. KIREJTSHUK⁵, **UĢIS PITERĀNS**, **FLORIAN SAVICH**

1 – Corresponding author: 10, Stopiņu novads, LV-2130, Dzidriņas, Latvia; e-mail: anthicus@gmail.com

2 – Institute of Life Sciences and Technologies, Daugavpils University, Latvia

3 – Latvia University of Agriculture, Institute of Soil and Plant Sciences, Jelgava, Latvia

4 – State JSC “Latvijas valsts meži”, Sigulda, Latvia

5 – Zoological Institute Russian Academy of Sciences, Universitetskaya emb. 1, 199034, St. Petersburg, Russia

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Abstract: This paper contains information on 23 new and 189 little known and protected beetle species in Latvia, mostly collected between 1990 and 2015.

Key words: Coleoptera, fauna, ecology, Latvia, little-known species.

Introduction

Current publication is a result of studies on Latvian Coleoptera made from 1930 (one record) till 2015 (most records are from 1990-2015). The aim of the current publication is to improve our knowledge on fauna and ecology of beetles in the Baltic region, with special accent made on poorly known, rare or legally protected species.

Twenty three new and 189 little known or protected species of Coleoptera are recorded for Latvia. In this publication, new faunal information on 12 legally protected Coleopteran species is given. Particular species are new to the whole Fennoscandian region or / and Baltic States (i.e. not mentioned by Silfverberg 2004, Telnov 2004 and later faunal publications on Latvian Coleoptera).

Explanations:

E – East, house – farmstead or isolated buildings, N – North, NP – National park, num. – numerous individuals (more than 10 if not extra indicated), PNT – particularly protected nature territory, S – South, LVM – State Joint stock company “Latvijas valsts meži” Forest division (some localities are given mentioning particular forestry blocks and compartments), env. – environs, surroundings, vill. – village or little settlement, W – West.

The number of specimens is given in parentheses after the date of collecting or observation. Species new to the Latvian fauna are marked with an asterisk (*).

Species legally protected in Latvia are marked with a “PS”.

Some of the abbreviations used (“PNT”, “PS”, “vill.”) are not standard English language abbreviations. Baltic states

means SE Baltic region (Latvia, Estonia, and Lithuania). Common country codes are used for countries abbreviations.

Taxa higher than subgenus are arranged accordingly to Telnov (2004). Species and subspecific taxa are listed alphabetically.

In this article three different coordinate systems were used, because we exactly cited original material labels:

1. Geodetic co-ordinate system of Latvia - LKS_1992_Latvia_TM (according the Regulations Regarding the Geodetic Reference System and the Topographic Map System; Cabinet Regulation No 879, adopted 15 November 2011), example: LKS-1992 x 579955, y6313470;

2. Coordinate system WGS84 (dd-decimal degrees), example: Lat: 56.9579131, Lon: 25.3147494);

3. Coordinate system WGS84 (dms – degrees, minutes, seconds), example: 57°7'0.69" N 25°11'49.71" E.

List of species

Carabidae

Pelophila borealis (PAYKULL, 1790)

Latgale: Gaigalava parish, Lake Lubānas near River Aiviekste, 06.2006 (1) swampy bank, pitfall traps, leg. M.Balalaikins.

Platynus longiventris (MANNERHEIM, 1825)

Latgale: Gaigalava parish, Lake Lubānas near River Aiviekste, 06.2006 (2) swampy bank, pitfall traps, leg. M.Balalaikins.

Pterostichus macer (MARSHAM, 1802)

Latgale: Kārsava district, Kārsava SW suburb, 04-25.07.2010 (1) sandy agrocenose, pitfall traps, leg. M.Balalaikins.

Dolichus halensis (SCHALLER, 1783)

Zemgale: Vecsaule parish, x522189; y6254139, Vecsaule env., 11-12.07.2013 (2) cabbage agrocenose, leg. I.Salmane; Jelgava

district, Poķi vill., study and research farm Pēterlauki, 56°30'39.38"N, 23°41'30.15"E, 01.07.2014 (1) in grassland near hangar, leg. J.Gailis; Auce, Bēnes Street 5, 56°27'54.69"N, 22°53'55.69"E, 26.07.2014 (1) on the sidewalk, leg. J.Gailis; Tērvete district, Bukaiši village, yard of Apīņi house, 56°24'8.44"N, 23°14'31.94"E, 10.08.2014 (1) on the ground, leg. J.Dunauksis.

Licinus depressus (PAYKULL, 1790)

Kurzeme: Ventspils district, 57°19'51"N, 22°00'14"E, near remnants of Puze parson, 25.05.2013 (1) cultivated meadow, leg. D.Telnov; Vidzeme: Garkalne parish, railway station "Baltezers", 03.09.2015 (1) sandy road, edge of pine forest, leg. F.Savich.

Chlaenius tristis (SCHALLER, 1783)

Rīga: Daugavgrīva Island, 57°02'35"N, 24°00'38"E, 05.07.2014 (1) reedbeds, leg. D.Telnov.

Masoreus wetterhalli (GYLLENHAL, 1813)

Rīga: Daugavgrīva Island, 57°02'43"N, 24°00'53"E, near the "third lake", Daugavgrīva PNT, 25.06.1993 (1) dry sandy meadow, leg. R.Matrozis.

Oodes gracilis A.VILLA, G.B.VILLA, 1833

Vidzeme: Ērgļi, Ogre riverbed near "Dambja krasts", summer of 2012 (1) riverside, leg. R.Matrozis.

Demetrias monostigma SAMOUELLE, 1819

Latgale: Naļļi parish, Lake Lubāns near River Rēzekne, 10.06.2007 (1) swampy bank, on *Phragmites*, leg. A.Bukejs.

Dytiscidae

Dytiscus lapponicus lapponicus GYLLENHAL, 1808

Zemgale: Saldus district, Sātiņu dīķi [ponds] PNT, pond Grebūtnieku, 56°38'34.76"N, 22°19'31.13"E, 20-21.06.2013 (1) bait trap

(chicken liver) leg. J.Gailis.

Spercheidae

Spercheus emarginatus (SCHALLER, 1783)
Vidzeme: Garkalnes district, Lake Mašēnu from W side, 06.06.2012 (4, two of them in copula) eutrophic lake, leg. D.Telnov.

Hydrophilidae

* *Cryptopleurum subtile* SHARP, 1884
Vidzeme: Ādaži district, Iļķene vill. env., 57°05'41"N, 24°27'29"E, 25-26.07.2014 (35) dry pine forest, white light, leg. D.Telnov.

* *Limnebius aluta* (BEDEL, 1881)
Vidzeme: Rīga district, Salaspils, Institute of biology, near main building, 08.09.2008 (2) pondside, in wet litter & moss, leg. I.Salmane.

Sphaeritidae

Sphaerites glabratus (FABRICIUS, 1792)
Zemgale: Olaine district, Sīpnieki vill. (between Rīga and Iecava) 56°42'40.4"N, 24°7'5"E, 29-30.04.2012 (2) clear-cut, on birch sap, photographed, not collected by U.Piterāns; Bauska district, Budberga vill. env., Paņemūnes meži PNT, 27.08-22.09.2013 (1) oak forest, leg. V.Spuņģis; 20.08-17.09.2014 (1) leg. V.Spuņģis.

Histeridae

Platysoma deplanatum (GYLLENHAL, 1808)
Zemgale: Jēkabpils district, Ābeļi PNT, 56°21'34.21"N, 25°57'45.69"E, 18.06.2011 (1) old aspen forest, under bark of old, partly dead *Populus tremula*, leg. J.Gailis.

Atholus duodecimstriatus (SCHRANK, 1781)
Latgale: Jēkabpils district, Platone parish, Pēterlauči vill., 19.05.2014 (1) rape field, leg. I.Salmane.

Dendrophilus punctatus (HERBST, 1791)
Rīga: Mežaparks, Saulesdārzs park, old oaks near football field, *Osmoderma* microreserve,

17.04.2014 (1) oak hollow, leg. D.Telnov.

Gnathoncus nannetensis (MARSEUL, 1868)
Vidzeme: Ogre district, ~4 km N of Glāžšķūnis vill., Zilgalvji 1 house env., forestry block 160 compartment 6, 07.06-07.07.2011 (1) old aspen-spruce mixed forest, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns; Ogre district, ~4 km SE of Glāznieki vill., forestry block 121 compartment 13, 07.06-07.07.2011 (1) old aspen-spruce mixed forest, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns; Mālpils district, between Augšciems and Kārde vill., forestry block 209 compartment 16, 07.06-07.07.2011 (1) mixed aspen-spruce forest, free standing flight interception trap, leg. U.Piterāns; Vecpiebalga district, Dzērbene env., LVM block 21, compartment 12, 13.05-28.06.2013 (2) mixed forest, flight interception trap, leg. M.Kalniņš; Stopiņi district, Ulbroka env., Dzidriņas vill., Dārza Street 10, 56°56'25"N, 24°19'14"E, 18.05.2014 (1) wet meadow, in flight, leg. A.Telnova.

Saprinus semistriatus (SCRIBA, 1790)
Zemgale: Jaunjelgava district, Aizkraukle S env., road to Dīķi vill., 14.07.2013 (2) on freshly dead *Strix aluco*, leg. M.Kalniņš.

Ptiliidae

Ptenidium fuscicorne ERICHSON, 1845
Kurzeme: Engure parish, Apšuciems vill. env., Apšuciema purvs (mire) Ķemeri NP, 20.05-17.06.2009 (1) pitfall trap, leg. V.Spuņģis; Vidzeme: Stopiņi district, Ulbroka env., Dzidriņas vill., Dārza Street 10, 56°56'25"N, 24°19'14"E, 10-11.06.2009 (61) garden, compost heap, leg. D.Telnov.

* *Acrotichis pumila* (ERICHSON, 1845)
Vidzeme: Stopiņi district, Ulbroka env., Dzidriņas vill., Dārza Street 10, 56°56'25"N, 24°19'14"E, 28.04-04.05.2009 (8) garden,

compost heap, leg. D.Telnov.

Liodidae

Liodopria serricornis (GYLLENHAL, 1813)
Vidzeme: Ogre district, 1 km E of Glāznieki vill., forestry block 75 compartment 9, 07.06-07.07.2011 (1) old aspen-spruce mixed forest, free standing flight interception trap, leg. U.Piterāns.

* *Agathidium nigrinum* STURM, 1807

Kurzeme: Dundaga district, between Vīdale vill. & Mazirbe vill., 57°38'19"N, 22°21'13"E, between Zilie kalni [hills] and Pitragupe [river] left from Mazirbe road, 01-29.06.2013 (2) moist mixed forest, flight interception trap, leg. D.Telnov.

Agathidium pulchellum WANKOWICZ, 1869^{PS}

Kurzeme: Slītere NP, Dundaga district, 57°38'01"N, 22°18'07"E, Zilie kalni [hills] N from Dāvida pļavas [meadows], 05.05-01.06.2013 (1) moist mixed forest, flight interception trap, leg. D.Telnov.

Platypsyllidae

Platypsyllus castoris RITSEMA, 1869

Vidzeme: Sigulda district, More parish, Suda River in LVM block 96, LKS-1992 x561588 y6324909, 07.11.2015 (12) on hunted *Castor fiber*, leg. G.Brēmanis; Latgale: Dignāja vill. env., 03.08.2008 (5) on dead *Castor fiber*, leg. M.Balalaikins; ~10 km SE Jēkabpils, 04.2009 (15) on dead *Castor fiber*, leg. M.Balalaikins.

Silphidae

Dendroxena quadrimaculata (SCOPOLI, 1772)^{PS}

Vidzeme: Sigulda district, Gauja NP, Gūtmaņala env., 24.05.2014 (2) edge of old broad-leaved forest, in copula on ground, photographed, not collected by U.Piterāns; Salacgrīva district, ~2 km N of Kuiviži, 01.06.2015 (1) Rīga Gulf shore, photographed, not collected by U.Piterāns.

Staphylinidae

Philonthus spinipes SHARP, 1874

Vidzeme: Madona district, Krustkalni State Nature reserve, 07-09.09.2015 (1) leg. F.Savich.

Emus hirtus (LINNAEUS, 1758)

Vidzeme: Gulbene district, Sitas un Pededzes paliene [floodplain] PNT, right bank of River Pededze, 16.07.2011 (1) pasture woodland, fresh horse droppings, leg. D.Telnov; Zemgale: Auce district, Počas house, 56°30'49.24"N, 22°56'21.07"E, 03.07.2011 (1) dry meadow, cow dung, leg. J.Gailis.

Ocypus nitens (SCHRANK, 1781)

Latgale: Daugavpils district, Silene PNT, Ilga manor, 55°41'20.24"N, 26°46'53.53"E, 28.03.2015 (1) in the hollow of veteran *Quercus robur*, leg. M.Rudzītis.

Velleius dilatatus (FABRICIUS, 1787)

Kurzeme: Dundaga district, Slītere NP, Kolka village, near Lutheran church, 57°45'3.07"N, 22°35'43.79"E, 07.08.2011 (2) on the leaking *Betula pendula*, leg. J.Gailis.

Oxyporus mannerheimii GYLLENHAL, 1827^{PS}

Rīga: Mežaparks, near the Mežaparks Open-air venue, 57°00'37"N, 24°08'59"E, 27.08.2011 (1) old pine forest, inside rotten Boletidae mushrooms, leg. D.Telnov; Vidzeme: Amata district, dry birch-spruce forest NW from Skujene vill. (Rietumvidzeme forestry, block 295, compartment 2) 57°6'57.90"N, 25°26'32.11"E, 06.07.2014 (1) in old *Boletus* sp., leg. J.Gailis.

Ischnoglossa prolixa (GRAVENHORST, 1802)

Vidzeme: Stopiņi district, forest quarter between Dzidriņas vill. and Ulbroka's cemetery, 08-23.04.2011 (1) mixed forest, flight interception trap at *Formica polyctena* nest, leg. D.Telnov.

Zyras funestus (GRAVENHORST, 1806)

Latgale: Daugavpils district, Silene PNT, Ilgas manor, 55°41'20.24"N, 26°46'53.53"E, 28.03.2015 (1) hollow of veteran *Quercus robur*, leg. M.Rudzītis.

Ocalea badia ERICHSON, 1837

Latgale: Jēkabpils, Avotu Street 4b, June-August 2012 (1) garden, flight interception trap, leg. P.N.Buhl.

* *Myllaena infuscatata* KRAATZ, 1853

Vidzeme: Rīga district, Salaspils, Institute of biology, 22.04.2006 (2) soil sample, leg. I.Salmane.

Pselaphidae*Rybaxis longicornis* (LEACH, 1817)

Zemgale: Auce district, old oak forest N from Počas house, 56°31'4.89"N, 22°56'14.77"E, 03-17.04.1999 (1) pitfall trap, leg. J.Gailis.

Brachygluta fossulata (REICHENBACH, 1816)

Zemgale: Auce district, old oak forest N from Počas house, 56°31'4.89"N, 22°56'14.77"E, 17.04-01.05.1999 (1) pitfall trap, leg. J.Gailis.

Lucanidae*Dorcus parallelipedus* (LINNAEUS, 1758) ^{PS}

Kurzeme: Ventspils district, Puzes baznīca (church) & abandoned Puze priest's house 57°19'51"N, 22°00'14"E, 25.05.2013 (2) old avenue, *Fraxinus excelsior* hollow, leg. D.Telnov; Vidzeme: Ogre district, Ogresgals, 56°47'58"N, 24°44'58"E, 30.06.2011 (1) on ground near dead, hollow *Ulmus laevis*, photographed, not collected by U.Piterāns; Skrīveri district, Skrīveri dendrological park, 56°37'3"N, 25°3'33"E, 13.06.2013 (1) park, on dying *Acer platanoides* trunk, photographed, not collected by U.Piterāns; Zemgale: Iecava district, Dimzūkals, 05.2012 (1) in flight, leg. E.Smislovs; Rundāle district, Pilsrundāle, 18.07.2015 (1) *Aesculus hippocastanum* avenue,

leg. F.Savich; Jelgava, Raiņa Street, near the Catholic church, 56°38'56.62"N, 23°43'38.60"E, 17.06.2013 (1) on the sidewalk, leg. J.Gailis; Auce, Bēnes Street 5, 56°27'54.69"N, 22°53'55.69"E, 17.07.2013 (1) on the sidewalk, leg. R.K.Gailis; Jelgava district, Poķi vill., 56°30'39.38"N, 23°41'30.15"E, 15-22.07.2014 (1) spring wheat field, pitfall trap, leg. J.Gailis; Rundāle district, Vairogi vill., 56°27'15.1"N 23°58'32."E, 29.06.2015 (1) in the garden, leg. S.Borkovska; Latgale: Jēkabpils, 05.2010 (1) city park, leg. M.Balalaikins; Daugavpils district, Līksna parish, Līksna, 23.07.2010 (1) leg. M.Balalaikins; Krustpils district, Ozolmelderes house, 56°34'8.69"N, 25°44'42.76"E, 10.06.2013 (1) photographed by K.Vēvere.

Ceruchus chrysomelinus (HOCHENWARTH, 1758) ^{PS}

Kurzeme: Dundaga district, Kaļķupes ieleja [valley] between Kaļķi vill. & Ģipka vill., 57°32'44"N, 22°29'40"E, Kaļķupes ieleja PNT, 01.06.2013 (2 larvae, 1 imago) coniferous forest, fallen decaying spruce wood, leg. D.Telnov; Vidzeme: Salacgrīva district, Tūja env., Vecmuiža house env., 57°30'57"N, 24°26'52"E, LVM block 294, 24.05.2014 (3 imago, 5 larvae) mixed forest, decaying spruce wood (red decay), leg. D.Telnov; Viļķene district, Viļķene N env., 57°39'38"N, 24°37'54"E & 57°39'55"N, 24°37'54"E, Rīga city forests blocks 11 & 66, Brieži house env., 24.05.2014 (11) mixed forest, decaying spruce wood (red decay), leg. D.Telnov; Viļķene distr., between Viļķene and Ķirbiži, 57°36'50"N, 24°13'32"E, Dzilnasmāja house S env., Rīga city forests blocks 39 & 42, 24.05.2014 (2 imago, 9 larvae), mixed forest, decaying spruce wood (red decay), leg. D.Telnov; Skrīveri district, lake Kalnamuižas env., 56°37'32"N 25°02'53"E, 24.03.2015 (3) mixed forest, inside decaying *Picea abies*

trunk, photographed, not collected by U.Piterāns.

Platycerus caprea (DEGEER, 1774)

Kurzeme: Roja district, Kaltenes kalvas PNT, 20.05.2012 (2) coniferous wood, leg. M.Kalniņš; Zemgale: Auce district, Vecauce parish, Upītes house, 56°28'53.3"N 22°52'56.5"E, 09.05.2015 (1) winter wheat field, in flight, leg. J.Gailis.

Platycerus caraboides caraboides (LINNAEUS, 1758)

Zemgale: Auce district, Počas house, 56°30'49.24"N, 22°56'21.07"E, 22.05.2011 (1) on herbaceous plants at the edge of an old mixed forest, leg. J.Gailis.

Scarabaeidae s. l.

Copris lunaris (LINNAEUS, 1758)

Latgale: Ilūkste district, Dvietes paliene PNT, Lake Skuķu SW side, 56°03'54"N 26°11'30"E, 19.05.2013 (num.) dry meadow, cow dung, photographed, not collected by U.Piterāns.

Aphodius borealis GYLLENHAL, 1827

Zemgale: Auce district, old oak forest N from Počas house, 56°31'4.89"N, 22°56'14.77"E, 15-19.05.1999 (1) pitfall trap, leg. J.Gailis.

Aphodius depressus (KUGELANN, 1792)

Vidzeme: Madona district, Krustkalni State nature reserve, 08.09.2015 (1) mixed forest, *Sus scrofa* fresh excrements, leg. F.Savich.

Aphodius foetens (FABRICIUS, 1787)

Zemgale: Auce district, old oak forest N from Počas house, 56°31'4.89"N, 22°56'14.77"E, 17.04-01.05.1999 (1) pitfall trap, leg. J.Gailis.

Aphodius plagiatus (LINNAEUS, 1767)

Vidzeme: Stopiņi district, Ulbroka env., Dzidriņas vill., Dārza Street 10, 56°56'25"N, 24°19'14"E, 05.06.2013 (4) between the road

& roadside vegetation, wet clayish ground, leg. D.Telnov.

Psammodius asper (FABRICIUS, 1775)

Vidzeme: Stopiņi district, Saurieši, corner Kazāru & Burtņieku Streets, 56°55'06"N, 24°21'46"E, 02.06.2013 (1) wet meadow, in flight, leg. D.Telnov.

Rhyssenus germanus (LINNAEUS, 1767)

Vidzeme: Ogre district, Ogre, near Brīvības Street 100, 13.05.2012 (1) riverside, in flight, photographed, not collected by U.Piterāns; Stopiņi district, Ulbroka env., Dzidriņas vill., Dārza Street 10, 56°56'25"N, 24°19'14"E, 19.05.2013 (1) between the road & roadside vegetation, wet clayish ground, leg. D.Telnov; 05.06.2013 (41) leg. D.Telnov.

Maladera holosericea (SCOPOLI, 1772)

Rīga: Rumbula, NW of Rumbula airstrip, 56°53'37"N, 24°12'16"E, 28.04.2012 (1) on sandy path, leg. U.Piterāns; Purvciems, Stirnu Street 8, 30.05.2013 (2) sandy lawn with *Artemisia* sp. and low grasses, leg. D.Telnov; Vidzeme: Stopiņi district, Ulbroka env., Dzidriņas vill., Dārza Street 10, 56°56'25"N, 24°19'14"E, 05.06.2013 (1) garden, during the rain, leg. D.Telnov; Stopiņi district, Ulbroka, Institūta Street 50, 56°56'21"N, 24°17'47"E, 07.06.2013 (1) lawn, leg. D.Telnov.

Northern border of distribution area. In Latvia, mostly distributed along River Daugava and in extreme SE.

Polyphylla fullo (LINNAEUS, 1758)

Vidzeme: Carnikava district, Piejūra PNT, between Garezeri lakes and Via Baltica highway, 07.2012 (1) xeric, sandy area, leg. I.Grīslis.

Second known locality in Latvia. Northern border of distribution area.

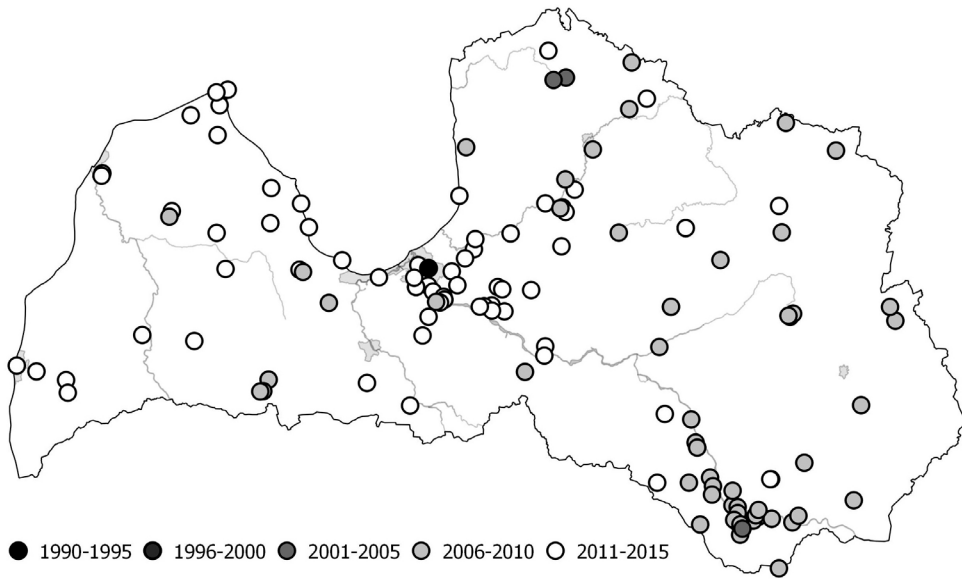
Liocola lugubris (HERBST, 1786)^{ps}

Kurzeme: Ventspils district, Puzes baznīca [church] & abandoned Puze priest's house 57°19'51"N, 22°00'14"E, 25.05.2013 (3 larvae) park, *Tilia cordata*, hollow, leg. D.Telnov; Vidzeme: Krimulda district, Gauja NP, Zābaki birch nursery, 57°8'54.43"N, 24°42'54.70"E, 25.05.2011, excrements in the hollow of ~400 years old *Quercus robur*, leg. J.Gailis; Valka district, Ziemeļgauja PNT, 1,5 km NE of Ielīcas house, 57°40'18"N 26°00'56"E, 31.05.2014 (1) clear-cut, on dead standing *Quercus robur* trunk, photographed, not collected by U.Piterāns; Zemgale: Auce district, Počas house, 56°30'49.24"N, 22°56'21.07"E, 20.05.2011 (1) caught in flight, leg. J.Gailis; Latgale: Dignāja vill. N env., 05.06.2010 (body fragments, larval excrements) roadside, hollow *Quercus robur*, leg. A. Bukejs, M. Balalaikins.

Oxythyrea funesta (PODA, 1761) (Map 1)

Rīga: Dārziņi, 56°51'28"N, 24°17'17"E, Daugava river arm opposite the Rīga hydro power station's dam, 13.06.2012 (1) riverside, on *Plantago* sp. blooms, leg. D.Telnov; Krēmeri PNT, 05.07.2014 (1) roadside vegetation, on blooms, leg. D.Telnov; Āgenskalns, Kandavas Street 2, Botanical Garden of the University of Latvia, 28.06.2015 (1), on *Heracleum* sp. blooms, photographed, not collected by U.Piterāns; Kurzeme: Talsi district, Mērsrags parish, 2 km S from Liepiņi house southwards of Upesgrīva vill., 17.07.2011 (1) mixed forest, on blooms, leg. I.Salmane; Dundaga district, Slītere NP, E of Šlītere lighthouse, near Birzkalni house, 28.07.2013 (1) roadside vegetation, on *Filipendula ulmaria* blooms, photographed, not collected by U.Piterāns; Skrunda district, Skrunda fishponds env., near lake Ķipīšu, 56°41'35"N 21°57'39"E, 21.06.2015 (1) clear-cut, on blooms, photographed, not collected by U.Piterāns; Tukums district, between Dursupe and Rīdeļi opposite the road cross (turn to

Pļavas 10 km") 57°10'37"N, 22°56'07"E, 18.07.2015 (3) meadow, on blooms, leg. D.Telnov; Kandava district, Matkule, Matkule pond, 56°58'52"N, 22°35'43"E, 18.07.2015 (5) wet meadow, *Filipendula ulmaria* blossoms, leg. D.Telnov; Vidzeme: Valka district, Ērgeme env., near Celmiņi house, 25.08.2007 (1) meadow, on *Achillea millefolium* blooms, leg. U.Piterāns; Saule railway station, 20.06.2012 (2) meadow, in copula on *Plantago media* bloom, photographed, not collected by U.Piterāns; Ropaži district, Lielie Kangari env., near Krūmiņi house, 18.06.2011 (10) meadow, on *Polygonum bistorta* blooms, photographed, not collected by U.Piterāns; near Kangariši house, 02.07.2012 (1) on *Leucanthemum vulgare* bloom, photographed, not collected by U.Piterāns; Ogre district, 1,5 km NW from Ogre cemetery, 19.06.2011 (6) roadside meadow under powerlines, photographed, not collected by U.Piterāns; Ikšķile district, N of Ogre, near Aizupes, 56°50'13"N 24°36'32"E, 29.06.2011 (2) roadside vegetation, on blooms, photographed, not collected by U.Piterāns; Garkalne district, Garkalne, the territory of the former USSR military base, 57°02'11"N, 24°26'30"E, 24.07.2012 (1) dry pine forest, on bloom, leg. D.Telnov; Salaspils district, 1 km E of Dārziņi railway station, 04.06.2013 (4) roadside vegetation, on *Polygonum bistorta* blooms, photographed, not collected by U.Piterāns; Skrīveri district, Skrīveri dendrological park, 13.06.2013 (2) meadow, on *Taraxacum* sp. blooms, photographed, not collected by U.Piterāns; Līgatne district, Līgatne env., 28.06.2015 (1) on blooms, leg. F.Savich; Stopiņi district, Cekule vill., valley of Mazā Jugla river at railway bridge, 56°55'05"N, 24°23'15"E, 19.07.2015 (4) uncultivated meadow, on blooms, leg. D.Telnov; Ādaži district, River Puska valley, 57°09'36"N, 24°23'51"E, 26.07.2015 (6) on various flowering plants, leg. D.Telnov; Zemgale: Olaine district,



Map 1. Reconstruction of *Oxythyrea funesta* (PODA, 1761) colonization in Latvia from 1992 till 2015 (Barševskis et al. 2008, 2009, 2012, 2014; Bukejs et al. 2006; Bukejs, Telnov 2007; Telnov 1996, 2001; Telnov et al. 2006, 2007, 2008, 2010, 2011; www.dabasdati.lv).

Stīpnieki vill. (between Rīga and Iecava), 56°42'24"N 24°07'0"E, 14.06.2011 (1) in garden, on *Paeonia* sp. blooms, photographed, not collected by U.Piterāns; Auce district, Počas house, 56°30'49.24"N, 22°56'21.07"E, 02.07.2011 (1) in the bloom of *Knautia arvensis*, 03.09.2011 (1) in the bloom of *Tagetes* sp., leg. J.Gailis; since the 2011 [several specimens of *O. funesta* had been observed near Počas house in Auce district every summer: J.Gailis]; Engure district, Engure lake PNT, Bērziems env., 57°15'31"N 23°08'29"E, 23.06.2013 (1) roadside vegetation, on *Eupatorium cannabinum* blooms, photographed, not collected by U.Piterāns; Latgale: Īdeņa vill. env., 06.07.2008 (1) bank of lake Lubāns, on Compositae blooms, leg. A.Bukejs & M.Balalaikins; 3 km N Ilūkste, Doļņaja, 18.06.2010 (5) valley of the Daugava River, on *Filipendula ulmaria* blossoms, leg. A.Bukejs; Tilīši vill., 01.08.2008 (1) leg.

M.Balalaikins; Jēkabpils district, Ābeļi PNT, 56°21'34.21"N, 25°57'45.69"E, 18.06.2011 (1) clear-cut of aspen-spruce forest, in the bloom of *Cirsium arvense*, leg. J.Gailis.

Osmoderma barnabita MOTSCHULSKY, 1845^{PS}
Rīga: Bābelītis, W end of Pakalniešu Street [Street], 56°59'29"N, 24°12'21"E, 12.08.2015 (4) pheromone trap on hollow *Tilia cordata*, leg. D.Telnov; Kurzeme: Ventpils district, Puzes baznīca (church) & Puze priest's house (abandoned) 57°19'51"N, 22°00'14"E, 25.05.2013 (2 larvae) park, *Tilia cordata* hollow, leg. D.Telnov; Lībagi parish, Dižstende, manor park, 57°11'27"N, 22°33'19"E, 18.07.2015 (num. excrements & larvae) hollow *Tilia cordata*, leg. D.Telnov; Vidzeme: Valmiera district, Dikļi, at priest's house, 23.07.2011 (2) old avenue, on veteran *Tilia cordata*, photographed, not collected by J.Kluša.

Eucinetidae

Eucinetus haemorrhoidalis (GERMAR, 1818)
Vidzeme: Salacgrīva district, Lāņi vill. env., 02.06.2015 (1) Rīga Gulf shore, under small log, photographed, not collected by U.Piterāns.

Scirtidae

Prionocyphon serricornis (P.W.J. MÜLLER, 1821)
Vidzeme: Ogre district, ~4 km SE of Glāznieki vill., forestry block 121 compartment 13, 07.06-07.07.2011 (1) old aspen-spruce mixed forest, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns; 1 km E of Glāznieki vill., forestry block 75 compartment 9, 07.06-07.07.2011 (1) old aspen-spruce mixed forest, free standing flight interception trap, leg. U.Piterāns.

Dascillidae

Dascillus cervinus (LINNAEUS, 1758)
Vidzeme: Smiltene district, Mežole PNT, 3 km E of Krievu bog, 57°18'45"N, 25°56'45"E, 28.06.2014 (2) roadside vegetation, on grass stems, photographed, not collected by U.Piterāns.

Buprestidae

Poecilnota variolosa (PAYKULL, 1799)
Vidzeme: Ogre district, S of Žļaugu bog, 56°52'10"N, 24°46'8"E, 24.08.2011 (1) clear-cut, on inhabited *Populus tremula* trunk, leg. U.Piterāns.

Buprestis novemmaculata novemmaculata LINNAEUS, 1761
Kurzeme: Dundaga district, Kolka, near the old school, Slītere NP, 08.09.2009 (8) dry pine forest, leg. U.Piterāns; Dundaga district, Uši vill., 57°44'58"N, 22°35'47"E, Uši meadow, Slītere NP, 10.07.2012 (1) edge of pine forest, leg. R.Matrozis.

Melanophila acuminata (DEGEER, 1774)
Rīga: Lignuma Street, parking place near "Iekārtu rūpnīca" factory, 57°1'25.57"N, 24°3'43.63"E, 22.06.2011 (1) on the Street, leg. J.Gailis.

Anthaxia godeti GORY, LAPORTE DE CASTELNAU, 1839
Zemgale: Iecava district, Dzelzāmurs, Sarmas houses, 15.05.2012 (1) mixed forest, leg. P.N.Buhl.

Agrilus pratensis RATZEBURG 1837
Kurzeme: Dundaga district, Puiškalnciems env., near Kaļķupe river valley, 57°32'43"N 22°30'32"E, 14.07.2015 (1) edge of mixed forest, on leaf of young *Populus tremula*, photographed, not collected by U.Piterāns.

* *Agrilus sinuatus* (OLIVIER, 1790)
Vidzeme: Gulbene district, Pededzes ozolu audze [oak forest] S edge, Pededzes lejtece PNT, 16-17.06.2001 (1) edge of old growth oak forest, leg. D.Telnov.

Agrilus suvorovi OBENBERGER, 1935
Vidzeme: Rīga district, Cekule vill., 09.08.1995 (1) bushes at the edge of mixed forest, leg. F.Kovalevsky.

* *Trachys pumilus* (ILLIGER, 1803)
Latgale: Jēkabpils 1,5 km W, Avotu Street 4a, 22.05-26.06.2012 (1) garden, Malaise trap, leg. P.N.Buhl.

Trachys troglodytes GYLLENHAL, 1817
Latgale: Jēkabpils 1,5 km W, Avotu Street 4a, 22.05-26.06.2012 (1) garden, Malaise trap, leg. P.N.Buhl.

Byrrhidae

Simplocaria semistriata (FABRICIUS, 1794)
Vidzeme: Stopiņi district, Ulbroka env., Dzidriņas vill., Dārza Street 10, 56°56'25"N, 24°19'14"E, 20.10.2012 (1) garden, leg.

D.Telnov.

Elateridae

Negastrius arenicola (BOHEMAN, 1853)

Kurzeme: Liepāja, 13.06.2011 (1) Baltic Sea shore, leg. A.Bukejs.

Denticollis rubens PILLER, MITTERPACHER, 1783^{PS}

Vidzeme: Gulbene district, Lubānas mitrājs PNT (former Pededzes ozolu audze PNT) 57°4'1.57"N, 26°53'3.54"E, 16.06.2002 (1) old oak forest, leg. J.Gailis; Sigulda district, Gauja NP, Sigulda, the glen Paparžu grava, 57°10'6"N, 24°51'4"E, 24.05.2014 (1) on young *Fraxinus excelsior* leaf, photographed, not collected by U.Piterāns; Zemgale: Jēkabpils district, Ābeļi PNT, 56°21'34.21"N, 25°57'45.69"E, 18.06.2011 (1) edge of an old aspen forest, on the leaf of *Populus tremula*, leg. J.Gailis.

Diacanthous undulatus (DEGEER, 1774)

Vidzeme: Ogre district, ~4 km NE of Glāzšķūnis vill., Akmeņsalas house env., forestry block 276 compartment 8, 07.06-07.07.2011 (2) mixed aspen-spruce forest, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns; ~4 km SE of Glāznieki vill., forestry block 127 compartment 10 and forestry block 121 compartment 11, 07.06-07.07.2011 (2) mixed aspen-spruce forest, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns.

Aplotarsus incanus (GYLLENHAL, 1827)

Rīga: Rumbula, NW of Rumbula airstrip, 56°53'30"N, 24°12'23"E, 21.05.2009 (1) meadow, photographed, not collected by U.Piterāns; Vidzeme: Skrīveri district, Dendrārijs railway station, 56°39'32"N, 25°2'35"E, 27.05.2012 (num.) meadow near railway, on grasses, photographed, not collected by U.Piterāns.

Ampedus elegantulus (SCHÖNHERR, 1817)

Vidzeme: Ogre district, between Ogre and Suntaži, forestry block 118 compartment 12, 56°51'21"N 24°48'23"E, 23.03.2015 (1) mixed forest, inside decaying *Alnus glutinosa* wood, photographed, not collected by U.Piterāns.

Ampedus erythrogonus (P.W.J. MÜLLER, 1821)

Rīga: Mangaļsala, Piejūra PNT, 08.05.2015 (1) mixed forest, leg. F.Savich; Kurzeme: Engure district, Tukums NE env., LVM blockkey 603-150, compartment 9, LKS-1992 x450359 y6316763, 10.04.2015 (2) under bark of fallen *Betula* sp., leg. M.Kalniņš; Vidzeme: Ogre district, ~4 km SE of Glāznieki vill., forestry block 121 compartment 11, 07.06-07.07.2011 (1) old aspen-spruce mixed forest, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns; 1 km E of Glāznieki vill., forestry block 75 compartment 9, 07.06-07.07.2011 (2) old aspen-spruce mixed forest, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns; Mālpils district, between Augšciems and Kārde vill., forestry block 209 compartment 16, 07.06-07.07.2011 (2) mixed aspen-spruce forest, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns; Sigulda district, Sigulda Velnalas tilta [bridge] env., LKS-1992 x548886 y6334465, 20.03.2015 (1) *Quercus robur* rotten wood, leg. M.Kalniņš; Zemgale: Engure district, Ķemeru NP, N edge of Ķemeru bog, 20.03.2015 (1) bog forest, inside small rotten *Picea abies* trunk, photographed, not collected by U.Piterāns.

Eucnemidae

**Isoriphis marmottani* (BONVOULOIR, 1871)

Vidzeme: Ogre district, ~4 km NE of Glāzšķūnis vill., Akmeņsalas house env., forestry block 276 compartment 8, 07.06-07.07.2011 (2) mixed aspen-spruce forest,

free standing flight interception trap, leg. U.Piterāns; ~4 km N of Glāžšķūnis vill., Zilgalvji 1 house env., forestry block 160 compartment 6, 07.06-07.07.2011 (1) old aspen-spruce mixed forest, free standing flight interception trap, leg. U.Piterāns; ~5 km S of Suntaži, forestry block 156 compartments 2 and 15, 07.06-07.07.2011 (5) old aspen-spruce mixed forest, flight interception traps, leg. U.Piterāns; ~5 km S of Suntaži, Papardes house env., forestry block 158 compartment 2, 07.06-07.07.2011 (4) young aspen stand, flight interception traps on young *Populus tremula* trunks, leg. U.Piterāns; Žļaugu bog env., forestry block 67 compartment 7, 07.06-07.07.2011 (1) mixed aspen-spruce forest, free standing flight interception trap, leg. U.Piterāns; 1 km E of Glāznieki vill., forestry block 75 compartment 9, 07.06-07.07.2011 (1) old aspen-spruce mixed forest, free standing flight interception trap, leg. U.Piterāns.

Throscidae

* *Aulonothroscus laticollis* (RYBIŅSKI, 1897)
Vidzeme: Ape district, Melnupes meži [forests] PNT env., LVM blockkey 106-8, compartment 11, 02.06-14.07.2012 (1) mixed forest, flight interception trap, leg. M.Kalniņš; LVM blockkey 106-8, compartment 8, 02.06-14.07.2012 (2) mixed forest, flight interception trap, leg. M.Kalniņš.

Trixagus meybohmi LESEIGNEUR, 2005

Latgale: Jēkabpils 1,5 km W, Avotu Street 4a, June-August.2012 (1) garden, Malaise trap, leg. P.N.Buhl.

Lycidae

Xylobanellus erythropterus (BAUDI DI SELVE, 1871)

Vidzeme: Ape district, Melnupes meži [forests] PNT, LVM blockkey 106-8, compartment 1, 02.06-14.07.2012 (1) mixed forest, flight interception trap, leg. M.Kalniņš;

LVM blockkey 106-1, compartment 19, 02.06-14.07.2012 (1) leg. M.Kalniņš.

Pyropterus nigroruber (DEGEER, 1774)

Vidzeme: Ogre district, ~5 km NE of Glāžšķūnis vill., forestry block 280 compartment 14, 07.06-07.07.2011 (1) mixed aspen-spruce forest, free standing flight interception trap, leg. U.Piterāns; ~4 km N of Glāžšķūnis vill., Zilgalvji 1 house env., forestry block 160 compartment 6, 07.06-07.07.2011 (1) old aspen-spruce mixed forest, free standing flight interception trap, leg. U.Piterāns; ~5 km S of Suntaži, forestry block 156 compartment 15, 07.06-07.07.2011 (3) old aspen-spruce mixed forest, free standing flight interception trap, leg. U.Piterāns; ~4 km SE of Glāznieki vill., forestry block 127 compartments 7 & 10 and forestry block 21 compartment 11, 07.06-07.07.2011 (5) mixed aspen-spruce forest, free standing flight interception trap, leg. U.Piterāns; Ropaži district, Lielie Kangari PNT, between Villasmuiža and Augšciems vill., forestry block 590 compartment 10, 08.07-08.08.2011 (3) old aspen-spruce mixed forest, free standing flight interception trap, leg. U.Piterāns; Latgale: Jēkabpils 1,5 km W, Avotu Street 4a, 22.05-26.06.2012 (1) garden, Malaise trap, leg. P.N.Buhl.

Lampyridae

Phosphaenus hemipterus (GEOFFROY, 1762)

Vidzeme: Ogre district, ~4 km SE of Glāznieki vill., forestry block 127 compartment 10, 07.06-07.07.2011 (1) old aspen-spruce mixed forest, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns; ~4 km N of Ogresgals vill., Birži house env., forestry block 202 compartment 5, 07.06-07.07.2011 (1) young aspen stand, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns; Žļaugu bog env., forestry block 67 compartment 7, 07.06-07.07.2011 (2) mixed aspen-spruce forest, free standing

flight interception trap, leg. U.Piterāns; 1 km E of Glāznieki vill., forestry block 75 compartment 9, 07.06-07.07.2011 (1) old aspen-spruce mixed forest, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns; Ropaži district, Lielie Kangari PNT, between Villasmuiža and Augšciems vill., forestry block 590 compartment 10, 07.06-08.08.2011 (5) old aspen-spruce mixed forest, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns.

Malachiidae

Anthocomus equestris (FABRICIUS, 1781)
Latgale: Jēkabpils district, Jēkabpils 1,5 km W, June-August.2012 (1) mixed forest, Malaise trap, leg. P.N.Buhl.

Nitidulidae

Epuraea melanocephala (MARSHAM, 1802)
Zemgale: Jelgava district, Vilce vill., Vilce PNT, River Vilce valley near the school building, 02.06.2007 (1) deciduous forest, leg. D.Telnov.
Second record in Latvia.

* *Carpophilus marginellus* MOTSCHULSKY, 1858
Vidzeme: Stopiņi district, Ulbroka env., Dzidriņas vill., Dārza Street 10, 56°56'25"N, 24°19'14"E, 12.06.2006 (1) wet meadow, in flight, leg. D.Telnov.
In the Baltic states, recorded from Lithuania, but considered doubtful (Tamutis et al. 2011).

Pria dulcamarae (SCOPOLI, 1763)
Vidzeme: Valmiera district, Mazsalaca, 17.07.2004 (1) park around the school building, leg. D.Telnov; Kurzeme: Liepāja district, Pape vill. NE env., 56°13'25"N, 21°02'58"E, 18.06.2005 (22) moist meadow, on *Solanum dulcamara*, leg. D.Telnov.

* *Meligethes (Clypeogethes) erysimicola*
AUDISIO et DE BIASE in AUDISIO, DE BIASE,

ANTONINI, BELFIORE et OLIVIERIO, 2001
= *Meligethes coracinus* var. *aenescens*
GANGLBAUER, 1999, nec *M. aenescens*
FAIRMAIRE, 1875

Vidzeme: Sigulda, Gauja NP, between Velna ala [cave] and bobsleigh track, 10.06.2005 (2) moist mixed forest, leg. D.Telnov.

First record from Northern Europe.

[Audisio et al. \(2001\)](#) on the morphometric base came to a conclusion that *Meligethes coracinus* STURM, 1945 could be divided into two series representing two "species" and for the second species which included one female of *M. coracinus* var. *aenescens* GANGLBAUER, 1999, nec *M. aenescens* FAIRMAIRE, 1875 a new name *M. erysimicola* AUDISIO, DE BIASE was proposed. Later these authors returned to the "species" similar to *Meligethes coracinus* with increasing of number of "species" ([Audisio et al. 2005a](#), [2005b](#), 2011). The aforementioned series are considered in the listed publications as separate species which after the paper by [Audisio et al. \(2009\)](#) these authors treat in the composition of the genus *Brassicogethes* AUDISIO, CLINE, 2009 still remaining ungrounded (Kirejtshuk 2011; Kirejtshuk & Kirejtshuk 2012). The first splitting of *Meligethes coracinus* into two species could be reasonable, although both proper *M. coracinus* and proper *M. erysimicola* demonstrate some variability making sometimes their discrimination rather problematic. The first splitting of *Meligethes coracinus* into two species could be reasonable, although both proper *M. coracinus* and proper *M. erysimicola* demonstrate some variability making sometimes their discrimination rather problematic. Nevertheless this separation was supported by the molecular analysis after studies on nuclear genetic markers (De Biase et al. 2012). The specimens from Latvia look like true representatives of *M. erysimicola* and differs from characteristic members of *M. coracinus* in the more slender

body, more conspicuous dorsal pubescence, lighter appendages with narrower protibiae. In addition, the examined male from Latvia has also the somewhat more deeply depressed metaventrite and comparatively narrow protarsi (in comparison with the characteristic specimens of *M. coracinus*). The present finding is the most north one for the former known from South and Central Europe (including Czech Republic and type locality in Austria), Caucasus, Asia Minor, and North Iran. It is associated with plant *Erysimum* spp. and occurs usually in "sunny rocky outcrops, xeric hillsides, sandy and gravel slopes, xeric meadows, mostly on mountain areas" (Audisio et al. 2011: 266).

Soronia punctatissima (ILLIGER, 1794)

Kurzeme: Talsi district, Kolka, Kolkasraga mežs [forest], Slītere NP, 07.08.2006 (6) *Pinus sylvestris* coastal forest, rotten wood, leg. I.Salmane.

Amphotis marginata (FABRICIUS, 1781)

Rīga: Ilģuciems, Lilijas Street 8, 05.06.2013 (3) hollow *Salix* sp., by *Lasius fuliginosus* ants, photographed, not collected by U.Piterāns; Daugavgrīva Island, Daugavgrīva fortress territory, 57°02'39"N, 24°02'25"E, 08.06.2014 (1) park, hollow *Tilia cordata*, by *Lasius fuliginosus* ants, leg. D.Telnov; Kurzeme: Grobiņa district, Vītiņi vill, Vītiņu cemetery, 03.07.2014 (2) hollow *Quercus robur*, by *Lasius fuliginosus* ants, photographed, not collected by U.Piterāns; Skrunda district, Skrunda env., Rūnaiši vill. 21.07.2015 (1) hollow *Quercus robur*, by *Lasius fuliginosus* ants, photographed, not collected by U.Piterāns; Kandava district, Rūmene vill., old avenue opposite Rūmene manor, 57°03'31"N, 22°43'37"E, 18.07.2015 (3) hollow *Quercus robur*, by *Lasius fuliginosus* ants, leg. D.Telnov; Tukums district, Zentene, Zentene's avenue opposite major entrance to manor's building,

57°07'59"N, 22°58'44"E, 18.07.2015 (3) hollow *Aesculus hippocastanum*, by *Lasius fuliginosus* ants, leg. D.Telnov.

Ipidia binotata REITTER, 1875

Vidzeme: Ogre district, ~5 km S of Sutnaži, forestry block 156 compartment 15, 07.06-07.07.2011 (1) old aspen-spruce mixed forest, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns; Ķegums district, Spāres bog env., 20-21.04.2015 (3) pine forests, under bark of dead standing *Pinus sylvestris*, photographed, not collected by U.Piterāns; Latgale: Jēkabpils district, mixed spruce-aspen forest NW from lake Vargūzenes, 56°23'45.19"N, 25°51'11.81"E, 18.06.2011 (1) under bark of decaying *Populus tremula*, leg. J.Gailis.

* *Pocadius adustus* REITTER, 1888

Vidzeme: Valka district, Trikāta, near the Trikāta church, 29.07.2006 (1) greenery, on sap of *Quercus robur*, leg. D.Telnov.

Pocadius ferrugineus (FABRICIUS, 1775)

Vidzeme: Ogre district, 1 km E of Glāznieki vill., forestry block 75 compartment 9, 07.06-07.07.2011 (1) old aspen-spruce mixed forest, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns; Ropaži district, Lielie Kangari PNT, between Villasmuiža and Augšciems vill., forestry block 590 compartment 10, 07.06-07.07.2011 (1) old aspen-spruce mixed forest, free standing flight interception trap, leg. U.Piterāns.

Thalycra fervida (OLIVIER, 1790)

Vidzeme: Gulbene district, River Pededze right bank at the bridge (Gulbene to Rēzekne road) Pededzes lejtece PNT, 15.04.2006 (8) pasture meadow, *Quercus robur*'s sap, leg. D.Telnov; Cēsis district, Raiskums, Gauja NP, 15.07.2006 (1) old avenue, leg. D.Telnov.

Cyllodes ater (HERBST, 1792)

Rīga: Daugavgrīva Island, Daugavgrīva fortress territory, 57°02'39"N, 24°02'25"E, 08.06.2014 (1) park, hollow *Tilia cordata*, tree fungi, leg. D.Telnov; Vidzeme: Sigulda, Gauja NP, between Velna ala [cave] and bobsleigh track, 10.06.2005 (1) mixed forest, leg. D.Telnov; 22.06.2005 (1) leg. D.Telnov; Ogre district, ~5 km NE of Glāžšķūnis vill., forestry block 280 compartment 14, 07.06-07.07.2011 (3) mixed aspen-spruce forest, flight interception traps, leg. U.Piterāns; ~5 km S of Sutnaži, forestry block 156 compartments 2 and 15, 07.06-08.08.2011 (9) old aspen-spruce mixed forest, flight interception traps, leg. U.Piterāns; ~4 km SE of Glāznieki vill., forestry blocks 127 and 121, 07.06-08.08.2011 (13) mixed aspen-spruce forest, flight interception traps, leg. U.Piterāns; ~4 km N of Ogresgals vill., Birži house env., forestry block 202 compartment 5, 07.06-07.07.2011 (4) young aspen stand, flight interception traps, leg. U.Piterāns; Žļaugu bog env., forestry block 67 compartment 7, 07.06-08.08.2011 (3) mixed aspen-spruce forest, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns; 1 km E of Glāznieki vill., forestry block 75 compartment 9, 07.06-08.08.2011 (3) old aspen-spruce mixed forest, flight interception traps, leg. U.Piterāns; Mālpils district, between Augšciems and Kārde vill., forestry block 209 compartment 16, 07.06-07.07.2011 (1) mixed aspen-spruce forest, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns; Ropaži district, Lielie Kangari PNT, between Villasmuiža and Augšciems vill., forestry block 590 compartment 10, 07.06-07.07.2011 (2) old aspen-spruce mixed forest, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns; Amata district, Kārļi vill., near Saulgozes house, 57°14'0"N 25°12'10"E, 24.05.2014 (1) roadside avenue, under polypore growing on *Salix* sp., photographed, not collected

by U.Piterāns; Zemgale: Olaine district, Dzērumi vill., near Restaurators 150 house, 22.05.2015 (1) mixed forest, on *Exidia* sp. fungus, photographed, not collected by U.Piterāns; Stīpnieki vill. (between Rīga and Iecava) 56°42'14"N 24°06'46"E, 23.05.2014 (1) clear-cut, on polypore growing on dead standing *Betula pendula*, photographed, not collected by U.Piterāns.

Cryptarcha strigata (FABRICIUS, 1787)

Vidzeme: Gulbene diStreet, Pēdēzes lejtece PNT northern edge, near the River Pēdēze bridge (road from Gulbene to Rēzekne) 15.04.2006 (2) riverside, on sap of old standing *Quercus robur*, leg. D.Telnov.

* *Glischrochilus grandis* (TOURNIER, 1872)

Vidzeme: Ogre district, between Glāžšķūnis vill. & Lēdmane, forest cutting area near River Aviekste, 08.07.2005 (1) on freshly cut tree sap, leg. D.Telnov; Zemgale: Bauska district, Mazmežotne vill. env., near the turn to Bauska / Pilsrundāle, 01.08.2004 (1) mixed forest, leg. D.Telnov.

Glischrochilus quadrisignatus (SAY, 1835)

Rīga: center, Rīgas centrāltirgus [central market], 14.06.2012 (1) urban area, on strawberries, leg. M.Apenītis.

Monotomidae*Monotoma picipes* HERBST, 1793

Latgale: Jēkabpils 1,5 km W, Avotu Street 4a, 22.05-26.06.2012 (1) garden, Malaise trap, leg. P.N.Buhl.

* *Rhizophagus brancsiki* REITTER, 1905

Zemgale: Bauska district, Pilsrundāle, avenue to the Rundāle palace, 25.06.2006 (1) old avenue, *Aesculus* sp. sap, leg. D.Telnov.

Dermestidae*Attagenus smirnovi* ZHANTIEV, 1973

Rīga: Platā Street 38, "Lignums" mill,

57°1'37.66"N, 24°3'25.16"E, 13.03.2012 (1) 19.03.2012 (1) indoors, leg. J.Gailis; Zemgale: Jelgava, Svētes Street 35, 56°38'53.82"N, 23°42'53.99"E, 15.08.2013 (1) indoors, leg. J.Gailis; Latgale: Rēzekne, 16.03.2009 (1) indoors, leg. M.Balalaikins.

Trogoderma glabrum (HERBST, 1783)

Latgale: Daugavpils, Jaunforštade, 08.06.2010 (1) indoors, leg. A.Bukejs.

Megatoma undata (LINNAEUS, 1758)

Vidzeme: Ogre district, ~5 km NE of Glāžšķūnis vill., forestry block 280 compartment 14, 07.06-07.07.2011 (1) mixed aspen-spruce forest, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns; ~4 km N of Ogresgals vill., Birži house env., forestry block 202 compartment 5, 07.06-07.07.2011 (1) young aspen stand, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns; Ropaži district, Lielie Kangari env., near Krūmiņi house, 56°54'33"N 24°42'4"E, 18.06.2011 (1) roadside vegetation, leg. U.Piterāns; Salaspils district, Dole Island, near Daugava museum, 26.04.2015 (6) veteran *Quercus robur*, leg. U.Piterāns; Latgale: Ilūkste district, Dvietes paliene PNT, Lake Skuķu SW side, 56°03'54"N 26°11'30"E, 19.05.2014 (1) in flight, leg. U.Piterāns.

Reesa vespulae MILLIRON, 1939

Rīga: center, Riga International Coach terminal, 23.06.2011 (2) on window inside a bus going to Mazirbe, leg. U.Piterāns.

Ctesias serra (FABRICIUS, 1792)

Kurzeme: Skrunda district, Rudbārži park, 05.05.2015 (1) reared ex larva collected on 21.03.2015 from under bark of old *Pinus sylvestris*, leg. U.Piterāns.

Anthrenus fuscus OLIVIER, 1789

Latgale: Daugavpils, Jaunforštade,

17.04.2011 (2) indoors, leg. A.Bukejs.

Anthrenus olgae KALIK, 1946

Rīga: Ķengarags, Salaspils Street 12, 26.04.2011 (num.) indoors, leg. U.Piterāns; Zemgale: Jelgava, Svētes Street 35, 56°38'53.82"N, 23°42'53.99"E, 20.05.2011 (1) indoors, leg. J.Gailis.

Anthrenus verbasci (LINNAEUS, 1767)

Rīga: Ilguciems, Lilijas Street 8, 25.04.2012 (num.) indoors, leg. U.Piterāns; Rīga, center, Kronvalda boulevard 4, 26.03.2014 (1) indoors, leg. V.Vintulis; Zemgale: Jelgava, Svētes Street 35, 56°38'53.82"N, 23°42'53.99"E, 25.05.2012 (1) indoors, leg. J.Gailis.

Lyctidae

* *Lyctus pubescens* PANZER 1793

Zemgale: Jelgava, S end of Pilssala Island, 56°38'52"N, 23°44'15"E, 07.06.2010 (3) on fallen *Quercus robur* trunk, leg. U.Piterāns.

Anobiidae

Cacotemnus thomsoni KRAATZ, 1881

Kurzeme: Ventspils district, Klāņu purvs [mire] PNT, 57°27'41"N, 21°44'15"E, Riesta dambis, 15.06-26.07.2013 (1) mixed forest, flight interception trap, leg. M.Kalniņš; Vidzeme: Ogre district, 1 km E of Glāznieki vill., forestry block 75 compartment 9, 07.06-07.07.2011 (1) old aspen-spruce mixed forest, free standing flight interception trap, leg. U.Piterāns.

Ptilinus fuscus GEOFFROY, 1785

Kurzeme: Ventspils district, Moricsala Nature reserve, island Moricsala, 57°11'46.58"N, 22°8'54.38"E, 20.06.1999 (1) old mixed forest, on *Pinus sylvestris*, leg. J.Gailis.

Xyletinus pectinatus (FABRICIUS, 1792)

Vidzeme: Salacgrīva district, Tūja env., Melbārži vill., Mieriņi house env.,

57°32'31"N, 24°28'16"E, 23-24.06.2012 (2) meadow, fallen veteran *Quercus robur*, on decaying wood (red decay) leg. D.Telnov.

Dorcatoma janssoni BUECHE, LUNDBERG, 2001

Kurzeme: Dundaga district, between Vīdale vill. & Mazirbe vill., 57°38'19"N, 22°21'13"E, between Zilie kalni [hills] and Pitragupe [river] left from Mazirbe road, 29.06-27.07.2013 (1) moist mixed forest, flight interception trap, leg. D.Telnov.

Dorcatoma lomnickii REITTER, 1903

Kurzeme: Dundaga district, Slītere vill. env., Zilie kalni [hills], 57°38'01"N, 22°18'07"E, 29.06-27.07.2013 (1) moist mixed forest, flight interception trap, leg. D.Telnov. Second known locality in Latvia.

Dorcatoma robusta STRAND, 1938

Vidzeme: Ape district, Lake Vītuma env., Veclaicene PNT, 02-14.06.2012 (5) mixed forest, flight interception trap, leg. M.Kalniņš; Ape district, Melnupes meži [forests] PNT, LVM blockkey 106-8, compartment 1, 02.06-14.07.2012 (1) mixed forest, flight interception trap, leg. M.Kalniņš.

* *Pseudeurostus hilleri* (REITTER, 1877)

Kurzeme: Dundaga district, Slītere vill. env., Zilie kalni [hills], forest block 235, 15.04-01.05.2012 (1) mixed forest, flight interception trap, leg. M.Kalniņš.

* *Ozognathus cornutus* (LECONTE, 1859)

Vidzeme: Stopiņi district, Ulbroka env., Dzidriņas vill., Dārza Street 10, 56°56'25"N, 24°19'14"E, 21.07.2015 (1 male, 1 female) indoors, leg. D.Telnov.

First record for the northern Palaearctic. Possible unintentional import from Portugal.

Trogossitidae

Thymalus limbatus (FABRICIUS, 1787)

Latgale: Ābeļi district, Ābeļi PNT, 18.06.2011 (1) mixed aspen forest, leg. D.Telnov.

Grynocharis oblonga (LINNAEUS, 1758)

Vidzeme: Salacgrīva district, Tūja env., Melbārži vill., Mieriņi house, 22.05.2011 (1) *Sturnus vulgaris* nesting box, leg. M.Kalniņš; Gulbene district, between Druviena and Jaunpiebalga, Aizupes house, 06.06.2014 (1) in flight, photographed, not collected by U.Piterāns.

Calitys scabra (THUNBERG, 1784)

Vidzeme: Ķegums district, 2,5 km SE Latgaļi vill., 56°42'13"N 24°44'6"E, 20.04.2015 (1) old growth pine forest, inside old, dry fallen *Pinus sylvestris* trunk with *Antrodia* sp. sporophore, photographed, not collected by U.Piterāns.

First record from Latvia within over 100 years.

Peltis grossa (LINNAEUS, 1758)

Rīga: Mangaļsala, 24.12.2015 (imago fragments) under bark, leg. F.Savich; Kurzeme: Dundaga district, Vīdale vill., 57°36'47"N, 22°26'03"E, roadside opposite the quarry, 01.06.2013 (1) meadow, in flight, leg. D.Telnov; Engure district, Smārde parish, LVM blockkey 603-150, compartment 9, LKS-1992 x450366 y6316772, 10.04.2015 exit holes on dead standing *Betula* sp. grove with 67-87 years old *Betula* sp., *Picea abies*, *Pinus silvestris*, *Populus tremula*, leg. M.Kalniņš¹; Kuldīga district, Padure parish, LVM blockkey 201-168, compartment 8, LKS-1992 x370531 y6329670, 09.04.2015 exit holes grove with 72-112 years old *Alnus glutinosa*, *Betula* sp., *Picea abies*, *Pinus*

1 - According to data presented here, species mostly found in old forest groves, less often in middle age groves while in large forest massive and small forest patches (1-2 hectares). Although, this species also observed in young stands, with one or several isolated old trees. Species mostly found on *Betula* sp. less often on *Alnus incana* and *Picea abies*.

silvestris, leg. M.Kalniņš; Kuldīga district, Padure parish, LVM blockkey 201-170, compartment 7, LKS-1992 x368886 y6328811, 09.04.2015 exit holes grove with 39-87 years old *Alnus incana*, *Betula* sp., *Quercus robur*, *Picea abies*, leg. M.Kalniņš; Rucava district, Dunika parish, LVM blockkey 213-251, compartment 6, LKS-1992 x326668 y6242808, 20.09.2015 exit holes on decaying *Betula* sp. grove with 104 years old *Betula* sp., *Picea abies*, leg. M.Kalniņš; Talsi district, Upesgrīva vill., Zeltiņi farmstead, 18.11.2007 exit holes, fragments, leg. M.Kalniņš; Vidzeme: Amata district, Kārļi vill., near Saulgozes house, 57°14'0"N 25°12'10"E, 24.05.2014 (1) mixed forest, under bark of dead *Alnus* sp. trunk, photographed, not collected by U. Piterāns; Ogre district, 1 km E of Glāznieki vill., forestry block 75 compartment 9, 23.03.2015 (1) old aspen-spruce mixed forest, under bark of standing *Populus tremula*, photographed, not collected by U.Piterāns; between Ogre and Suntaži, forestry block 118 compartment 12, 56°51'21"N 24°48'23"E 23.03.2015 (num.) mixed forest, exit holes in decaying *Alnus* sp. trunks, det. U.Piterāns; Skrīveri district, 1,5 km S of Dendrārijs railway station, 56°38'51"N 25°02'11"E, 24.05.2015 (1) edge of clear-cut, mixed forest, under bark of *Pinus sylvestris*, photographed, not collected by U.Piterāns; Ķegums district, 1,5 km NE of Spāres bog area, 56°42'07"N 24°44'27"E, 21.04.2015 (1) mixed forest, under bark of dead standing *Betula pendula*, photographed, not collected by U.Piterāns; Ādaži district, River Puska valley, 57°09'36"N, 24°23'51"E, 26.07.2015 (3) on dead standing *Betula pendula* with *Fomes fomentarius* sporophore, leg. D.Telnov; Amata district, Kārļi W env., Amata riverside, 27.06.2015 (1) under bark, leg. F.Savich; Aloja district, Brīvzemnieki parish, LVM blockkey 406-193, compartment 9, LKS-1992 x555041 y6394092, 26.06.2015 exit holes on dead standing *Betula* sp. grove with 66-85 years old *Alnus glutinosa*, *Betula* sp., *Picea abies*, *Populus tremula*, leg. M.Kalniņš; Alūksne district, Veclaicene parish, Korneti-Peļļi PNT, LKS-1992 x664501 y6385276, 30.06.2012 deciduous forest, leg. V.Spuņģis; Ādaži district, Ādaži PNT, LVM blockkey 408-328, compartment 5, LKS-1992 x530544 y6332506, 22.07.2014 exit holes on decaying *Betula* sp. grove with 54-94 years old *Betula* sp., *Pinus silvestris*, leg. M.Kalniņš; Burtneki district, Ēvele parish, LVM blockkey 101-170, compartment 12, LKS-1992 x596081 y6403240 and LKS-1992 x596048 y6403258, 13.09.2013 exit holes grove with 97-105 years old *Betula* sp., *Picea abies*, *Pinus silvestris*, leg. M.Kalniņš; Cēsis district, Gauja National park, River Amata alluvial land near Veclauči bridge, 26.08.2001 (1) under *Alnus glutinosa* bark, alluvial land, leg. M.Kalniņš; Cēsis district, Cēsis, Sarkano klinšu oxbow, Gauja National park, 13.05.2012 exit holes on dead standing *Betula* sp., leg. M.Kalniņš; Gulbene district, Dauksti parish, LVM blockkey 111-110, compartment 3, LKS-1992 x668636 y6323094, 01.08.2015 grove with 81-98 years old *Alnus glutinosa*, *Betula* sp., *Fraxinus excelsior*, *Picea abies*, *Populus tremula*, leg. M.Nitcis; Gulbene district, Dauksti parish, LVM blockkey 111-162, compartment 7, LKS-1992 x664427 y6319790, 22.07.2015 grove with 93-111 years old *Alnus glutinosa*, *Betula* sp., *Picea abies*, *Populus tremula*, leg. M.Nitcis; Gulbene district, Stradi parish, LVM blockkey 111-391, compartment 5, LKS-1992 x669755 y6329795, 23.08.2015 grove with 71-91 years old *Alnus glutinosa*, *Alnus incana*, *Betula* sp., *Populus tremula*, leg. U.Valainis; Gulbene district, Dauksti parish, LVM blockkey 111-49, compartment 13, LKS-1992 x664552 y6322687, 31.07.2015 grove with 71 years old *Betula* sp., *Populus tremula*, leg. M.Nitcis; Gulbene district,

Stradi parish, LVM blockkey 111-709, compartment 15, LKS-1992 x677735 y6326608, 21.08.2015 grove with 66 years old *Alnus glutinosa* *Betula* sp., leg. U. Valainis; Gulbene district, Dauksti parish, LVM blockkey 111-72, compartment 2, LKS-1992 x665999 y6322589, 01.08.2015 grove with 86-111 years old *Alnus glutinosa*, *Betula* sp., *Fraxinus excelsior*, *Picea abies*, *Populus tremula*, leg. M.Nitcis; Kocēni district, Dikļi parish, LVM blockkey 407-216, compartment 4, LKS-1992 x557926 y6384601, 03.10.2015 grove with 73-125 years old *Alnus glutinosa*, *Betula* sp., *Picea abies*, *Pinus silvestris*, *Populus tremula*, leg. D.Jurciņš; Kocēni district, Dikļi parish, LVM blockkey 407-222, compartment 11, LKS-1992 x558204 y6383531, 30.09.2015 exit holes on decaying *Picea abies* grove with 63-133 years old *Alnus glutinosa*, *Alnus incana*, *Betula* sp., *Picea abies*, *Populus tremula*, *Quercus robur*, leg. M.Kalniņš; Kocēni district, Dikļi parish, LVM blockkey 407-224, compartment 7, LKS-1992 x558956 y6383772, 30.10.2015 grove with 63-105 years old *Alnus glutinosa*, *Alnus incana*, *Betula* sp., *Picea abies*, *Pinus silvestris*, leg. D.Jurciņš; Limbaži district, Pāle parish, Ārciems env., LVM blockkey 406-84, compartment 4, LKS-1992 x542579 y6391704, 11.07.2012 (1) grove with 10 years old *Betula* sp. leg. M.Kalniņš; Mazsalaca district, Ramata parish, Ziemeļu purvi [bogs] PNT, LVM blockkey 403-85, compartment 13, LKS-1992 x556191 y6429807, 27.06.2015 exit holes on dead standing *Betula* sp. grove with 87-94 years old *Alnus glutinosa*, *Betula* sp., *Fraxinus excelsior*, *Picea abies*, *Populus tremula*, leg. M.Kalniņš; Naukšēni district, Naukšēni parish, Pīksāri env., River Acupīte alluvial land, LVM blockkey 404-237, compartment 14, 09.10.2013 exit holes grove with 63-105 years old *Alnus glutinosa*, *Alnus incana*, *Betula* sp., *Picea abies*, *Populus tremula*, leg.

M.Kalniņš; Ogre district, Mazozoli parish, LVM blockkey 502-101, compartment 15, LKS-1992 x589474 y6317148, 07.10.2015 exit holes on decaying *Betula* sp. grove with 100-135 years old *Betula* sp., *Picea abies*, *Pinus silvestris*, leg. M.Kalniņš; Ogre district, Ogre valley below Lēdmane vill., near Atvari farmstead, 18.05.2001 exit holes on dead standing *Alnus incana*, leg. M.Kalniņš; Salacgrīva district, Salacgrīva parish, LVM blockkey 401-312, compartment 5, LKS-1992 x525164 y6405115, 15.04.2015 exit holes on decaying *Betula* sp. grove with 78-115 years old *Betula* sp., *Fraxinus excelsior*, *Picea abies*, *Populus tremula*, leg. M. Kalniņš; Salacgrīva district, Salacgrīva parish, Svētciems E env., Burlaku sils [forest], LVM blockkey 405-28, compartment 11, LKS-1992 x527425 y6395245, 16.09.2013 exit holes on decaying *Betula* sp. grove with 106-135 years old *Picea abies*, *Pinus silvestris*, leg. M.Kalniņš; Sēja district, River Ķīšupe alluvial land, LVM blockkey 408-28, compartment 16, LKS-1992 x532871 y6351811, 14.11.2013 exit holes on decaying *Betula* sp. grove with 88 years old *Alnus glutinosa*, *Betula* sp., *Populus tremula*, leg. M.Kalniņš; Sigulda district, Allaži parish, LVM blockkey 409-226, compartment 4, LKS-1992 x546410 y6324235, 08.09.2015 exit holes grove with 83-88 years old *Alnus glutinosa*, *Betula* sp., *Fraxinus excelsior*, *Picea abies*, *Populus tremula*, leg. M. Kalniņš; Sigulda district, Allaži parish, LVM blockkey 409-279, compartment 18, LKS-1992 x548094 y6323065, 21.10.2015 exit holes on dead standing *Betula* sp. grove with 81-83 years old *Alnus glutinosa*, *Betula* sp., *Picea abies*, *Tilia cordata*, leg. M.Kalniņš; Sigulda district, Allaži parish, Mazie Kangari PNT, LVM blockkey 409-292, compartment 16, LKS-1992 x545753 y6321020, 05.07.2014 (1) flight interception trap grove with 88-128 years old *Betula* sp., *Pinus silvestris*, *Populus tremula*, *Quercus robur*,

Ulmus glabra, leg. M.Kalniņš; Zemgale: Tērvete district, Skujaines & Svētaines ieleja [valley] PNT, SW from Klūnas farmstead, Skuju mežs [forest], 20.06.2010 (1) on dead *Alnus incana*, leg. M.Kalniņš; Viesīte district, Viesīte parish, Viesīte vill. env., Pērlīte campsite, LKS-1992 x603734 y6246686, 24.05.2014 (1) on path in forest, leg. M.Kalniņš; Latgale: Viļaka district, Susāji parish, LVM blockkey 806-91, compartment 22, LKS-1992 x713118 y6341818, 18.07.2015 exit holes grove with 91-111 years old *Alnus glutinosa*, *Betula* sp., *Picea abies*, *Ulmus glabra*, leg. M.Kalniņš.

Cleridae

Tillus elongatus (LINNAEUS, 1758)

Kurzeme: Ventspils district, Moricsala State nature reserve, Moricsala Island, 57°11'46.58"N, 22°8'54.38"E, 20.06.1999 (1) old mixed forest, on *Quercus robur*, leg. J.Gailis; Vidzeme: Ogre district, ~5 km NE of Glāžšķūnis vill., forestry block 280 compartment 14, 07.06-07.07.2011 (1) mixed aspen-spruce forest, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns; ~5 km S of Sutnaži, forestry block 156 compartment 15, 08.07-08.08.2011 (1) old aspen-spruce mixed forest, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns.

Thanasimus femoralis (ZETTERSTEDT, 1828)

Vidzeme: Ape district, Melnupes meži [forests] PNT env., LVM blockkey 106-1, compartment 19, 02-14.06.2012 (1) mixed forest, flight interception trap, leg. M.Kalniņš.

Korynetes caeruleus (DE GEER, 1775)

Rīga: Āgenskalns, Kandavas Street 2, Botanical Garden of the University of Latvia, 30.05.2013 (1) on wall of a building, photographed, not collected by U.Piterāns.

Dasytidae

Aplocnemus impressus (MARSHAM, 1802)

Vidzeme: Ķegums district, 2,5 km NW of Spāres bog area, 56°42'1"N 24°41'2"E, 21.04.2015 (2) clear-cut, in copula under bark of dead, standing *Pinus sylvestris*, photographed, not collected by U.Piterāns.

Cucujidae

Cucujus cinnaberinus (SCOPOLI, 1763) ^{PS}

Vidzeme: Ape district, Melnupes meži [forests] PNT, LVM blockkey 106-8, compartment 1, 02.06-14.07.2012 (1) moist mixed aspen forest, flight interception trap, leg. M.Kalniņš; Latgale: Kārsava district, Kārsava 15 km NNE, LV / RU border area, microreserve No 1334, 56°49'19"N, 27°55'20"E, 03.10.2015 (1 larva) mixed forest, under rotten bark of fallen Aspen, leg. D.Telnov.

Silvanoprus fagi (GUÉRIN-MÉNEVILLE, 1844)

Latgale: Ābeļi parish, Brodī vill. 1 km S, Āres houses, 23-26.05.2012 (1) mixed forest, white light, leg. P.N.Buhl.

Silvanus bidentatus (FABRICIUS, 1792)

Vidzeme: Ādaži district, Ilķene vill. env., 57°05'41"N, 24°27'29"E, 25-26.07.2014 (1) dry pine forest, white light, leg. D.Telnov.

Psammoecus bipunctatus (FABRICIUS, 1792)

Rīga: Dārziņi, edge of Daugava river arm opposite the Rīga hydro power station's dam, 28.04.2012 (1) in flight, photographed, not collected by U.Piterāns.

Dendrophagus crenatus (PAYKULL, 1799)

Vidzeme: Ikšķīle district, Ogres Zilie kalni PNT, between Ogre and Ikšķīle, 09.12.2014 (3) pine forest, under bark of dead standing *Pinus sylvestris*, photographed, not collected by U.Piterāns; Ķegums district, Latgaļi vill. env., 1 km W of Egles house, 06.03.2015 (2) pine forest, under bark of dead standing *Pinus sylvestris*, photographed, not collected by U.Piterāns; Skrīveri district, 1,5 km S

of Dendrārijs railway station, 56°38'51"N 25°02'11"E, 24.05.2015 (7) edge of clear-cut, mixed forest, under bark of *Pinus sylvestris*, photographed, not collected by U.Piterāns; Stopiņi district, between Dzidriņas vill. & former Juglas papermill, 56°959'74"N, 24°319'83"E, 25.05.2015 (1) pine forest, under loose *Pinus sylvestris* bark, leg. F.Savich; Madona district, Krustkalni State reserve, 1 km SW of Rogāni house, 09.09.2015 (1) mixed forest, under bark of fallen *Pinus sylvestris*, photographed, not collected by U.Piterāns; Ādaži district, LVM blockkey 408-262, compartment 11, LKS-1992 x517664 y6328112, 27.10.2015 (1) dead *Pinus sylvestris* under the bark, leg. M.Kalniņš; Inčukalns district, Inčukalns parish, LVM blockkey 408-412, compartment 11, LKS-1992x540015y6330779, 24.11.2015 (8) dead *Pinus sylvestris* under the bark, leg. M.Kalniņš; Ogre district, Mazozoli parish, LVM blockkey 502-108, compartment 4, LKS-1992 x589429 y6315886, 07.10.2015 (1) dead *Pinus sylvestris* under the bark, leg. M.Kalniņš; Valka district, Valka parish, LVM blockkey 103-32, compartment 7, LKS-1992 x624036 y6399515, 20.10.2015 (1) dead *Pinus sylvestris* under the bark, leg. M.Kalniņš; Valka district, Valka parish, LVM blockkey 103-32, compartment 13, LKS-1992 x624057 y6399381, 20.10.2015 (1) dead *Pinus sylvestris* under the bark, leg. M.Kalniņš; Valka district, Vijciems parish, LVM blockkey 103-249, compartment 4, LKS-1992 x621813 y6390356, 22.10.2015 (1) dead *Pinus sylvestris*, under the bark, leg. M.Kalniņš; Valka district, Vijciems parish, LVM blockkey 103-249, compartment 16, LKS-1992 x621901 y6390268, 22.10.2015 (1) dead *Pinus sylvestris* under the bark, leg. M.Kalniņš.

Cryptophagidae

Cryptophagus abietis (PAYKULL, 1798)

Zemgale: Auce district, old oak forest N from

Počas house, 56°31'4.89"N, 22°56'14.77"E, 24.07-07.08.1999 (1) flight interception trap at standing *Quercus robur*, leg. J.Gailis.

* *Cryptophagus punctipennis* BRISOUT DE BARNEVILLE, 1863

Zemgale: Tērvete district, Klūnas vill. SW env., Skujaines & Svētaines ieleja [valley] PNT, 30.05-20.06.2010 (1) mixed forest, pitfall trap, leg. M.Kalniņš.

Cryptophagus quercinus KRAATZ, 1852

Zemgale: Auce district, old oak forest N from Počas house, 56°31'4.89"N, 22°56'14.77"E, 17.04-01.05.1999 (1) pitfall trap, leg. J.Gailis.

* *Cryptophagus reflexus* REY, 1889

Kurzeme: Ventspils district, Lake Puze NE env., LVM block 53, compartment 15, 57°21'22"N, 21°58'21"E, 04-25.05.2013 (1) old-growth mixed forest, flight interception trap, leg. D.Telnov; Talsi district, Lauciene parish, beech forest between Talsi & Šķēde, 20.09.2014 (1) beech forest, *Fagus sylvatica* decaying wood (white decay) leg. D.Telnov.

Cryptophagus scanicus (LINNAEUS, 1758)

Vidzeme: Sigulda district, Gauja NP, Krimulda, Krimulda sanatorium, 14.08.2012 (1) edge of mixed forest, *Quercus robur* hollow, leg. M.Kalniņš; Ape district, Grūbe, group of *Quercus roburs* near the Vidzeme highway (left side) 18.08.2012 (1) greenery, *Quercus robur* hollow, leg. M.Kalniņš.

Cryptophagus schmidtii STURM, 1845

Vidzeme: Ape district, Grūbe, group of *Quercus roburs* near the Vidzeme highway (left side) 18.08.2012 (1) greenery, *Quercus robur* hollow, leg. M.Kalniņš.

Cryptophagus scutellatus NEWMAN, 1834

Vidzeme: Ape district, Grūbe, group of *Quercus roburs* near the Vidzeme highway (left side) 18.08.2012 (2) greenery, *Quercus*

robur hollow, leg. M.Kalniņš.

Ephistemus globulus (PAYKULL, 1798)

Vidzeme: Ādaži district, Iļķene vill. env., 57°05'41"N, 24°27'29"E, 25-26.07.2014 (35) dry pine forest, white light, leg. D.Telnov.

Erotylidae

Triplax rufipes (FABRICIUS, 1787)

Vidzeme: Ogre district, ~5 km S of Suntaži, forestry block 156 compartment 2, 07.06-07.07.2011 (1) young aspen stand, free standing flight interception trap, leg. U.Piterāns; Žļaugu bog env., forestry block 67 compartment 7, 07.06-07.07.2011 (3) mixed aspen-spruce forest, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns; Ropaži district, Lielie Kangari PNT, between Villasmuiža and Augšciems vill., forestry block 590 compartment 10, 08.07-08.08.2011 (1) old aspen-spruce mixed forest, free standing flight interception trap, leg. U.Piterāns.

Endomychidae

Leiestes seminiger (GYLLENHALL, 1808)

Rīga: Mangaļsala, Piejūra PNT, 08.05.2015 (1) mixed forest, leg. F.Savich; Vidzeme: Ogre district, ~4 km N of Glāžšķūnis vill., Zilgalvji 1 house env., forestry block 160 compartment 6, 07.06-07.07.2011 (1) old aspen-spruce mixed forest, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns; 1 km E of Glāznieki vill., forestry block 75 compartment 9, 07.06-08.08.2011 (2) old aspen-spruce mixed forest, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns; Vecpiebalga district, Dzērbene env., LVM block 21, compartment 2, 29.06-19.08.2013 (1) mixed forest, flight interception trap, leg. M.Kalniņš.

Mycetina cruciata (SCHALLER, 1783)

Kurzeme: Dundaga district, Kolka vill., Valkmaļi house 12.04-16.04.2015 (3 and

num. larvae) garden, under old wooden planks, photographed, not collected by M.Ieviņš; Vidzeme: Mālpils district, between Augšciems and Kārde vill., forestry block 209 compartment 16, 07.06-07.07.2011 (1) mixed aspen-spruce forest, free standing flight interception trap, leg. U.Piterāns; Ogre district, Žļaugu bog env., forestry block 67 compartment 7, 08.07-08.08.2011 (1) mixed aspen-spruce forest, free standing flight interception trap, leg. U.Piterāns.

Coccinellidae

Harmonia axyridis PALLAS, 1773

Rīga: Ķengarags, Jāņavārti railway station, 10.11.2015 (1) on wall of a railway station house, photographed, not collected by U.Piterāns.

Latridiidae

Latridius lardarius (DEGEER, 1775)

Vidzeme: Stopiņi district, Ulbroka env., Dzidriņas vill., Dārza Street 10, 56°56'25"N, 24°19'14"E, 09.07.2014 (1) garden, leg. D.Telnov.

Corticarina latipennis (J.R. SAHLBERG, 1871)

Vidzeme: Rīga district, Jugla forestry block 102, compartment 5, River Urga between Kaktiņi house & Sitkalne house, 01.05.2008 (1) dry pine forest, leg. D.Telnov.

Corticaria polypori J.R. SAHLBERG, 1890

Vidzeme: Valmiera district, Mazsalaca env., Silgaļi house env., Salacas ieleja [valley] PNT, 23.06.1996 (1) riverine forest, leg. D.Telnov.

Zopheridae

Synchita humeralis (FABRICIUS, 1792)

Vidzeme: Ogre district, ~4 km NE of Glāžšķūnis vill., Akmeņsalas house env., forestry block 276 compartment 8, 07.06-08.08.2011 (7) mixed aspen-spruce forest, free standing flight interception trap, leg.

U.Piterāns; ~5 km NE of Glāžšķūnis vill., forestry block 280 compartment 14, 07.06-07.07.2011 (4) mixed aspen-spruce forest, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns; ~4 km N of Glāžšķūnis vill., Zilgalvji 1 house env., forestry block 160 compartment 6, 07.06-08.08.2011 (4) old aspen-spruce mixed forest, flight interception traps, leg. U.Piterāns; ~5 km S of Suntaži, forestry block 156 compartment 2, 07.07.2011 (1) young aspen stand, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns; ~4 km SE of Glāznieki vill., forestry block 127 compartment 7, 07.06-07.07.2011 (2) mixed aspen-spruce forest, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns; Žļaugu bog env., near Ruskas house, forestry block 52 compartment 1, 07.06-08.08.2011 (2) mixed aspen-spruce forest, free standing flight interception trap, leg. U.Piterāns; 1 km E of Glāznieki vill., forestry block 75 compartment 9, 07.06-08.08.2011 (4) old aspen-spruce mixed forest, free standing flight interception trap, leg. U.Piterāns; ~5 km S of Suntaži, Papardes house env., forestry block 158 compartment 2, 08.07-08.08.2011 (1) young aspen stand, free standing flight interception trap, leg. U.Piterāns; Mālpils district, between Augšciems and Kārde vill., forestry block 209 compartment 16, 07.06-07.07.2011 (3) mixed aspen-spruce forest, free standing flight interception trap, leg. U.Piterāns; Zemgale: Vecumnieki district, Lake Bārbeles SW side, Zāļezera purvs [mire] PNT, 30.05-19.06.2010 (1) mire, flight interception trap, leg. M.Kalniņš; Engure district, Engure lake PNT, Bērziems env., 57°15'36"N 23°09'1"E, 23.06.2013 (3) mixed forest, beaten branches of small *Alnus glutinos*, photographed, not collected by U.Piterāns.

Orthocerus clavicornis (LINNAEUS, 1758)

Kurzeme: Skrunda district, Skrunda, W of railway station, 21.06.2015 (5) xeric,

sandy habitat, under *Peltigera* sp. lichens, photographed, not collected by U.Piterāns; Vidzeme: Ogre district, Ogres Zilie kalni PNT, 56°50'4"N 24°33'19"E, 24.04.2014 (1) dry roadside, under *Peltigera* sp. lichens, photographed, not collected by U.Piterāns; Salaspils district, Dole Island, 56°50'59"N 24°15'59"E, 26.04.2014 (1) sandy, xeric meadow under power lines, under *Peltigera* sp. lichens, photographed, not collected by U.Piterāns; Zemgale: Olaine district, Stīpnieki vill. (between Rīga and Iecava) 56°42'36"N 24°06'37"E, 08.06.2014 (1) dry roadside ditch, on a small stone, photographed, not collected by U.Piterāns; Latgale: Liksna parish, Daugavpils 3 km N, 28.06.2009 (1) inland dunes, xeric roadside, netting, leg. A.Bukejs.

**Aulonium trisulcum* (GEOFFROY, 1785)

Vidzeme: Garkalne district, Garkalne, Priežu Street 19, 05.06.2014 (1) white light, photographed, not collected by V.Vintulis.

Mycetophagidae

Mycetophagus ater (REITTER, 1879)

Vidzeme: Ogre district, ~4 km SE of Glāznieki vill., forestry block 127 compartment 10, 07.06-07.07.2011 (1) old aspen-spruce mixed forest, free standing flight interception trap, leg. U.Piterāns; Ropaži district, Lielie Kangari PNT, between Villasmuiža and Augšciems vill., forestry block 590 compartment 10, 07.06-07.07.2011 (1) old aspen-spruce mixed forest, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns; ~4 km NE of Glāžšķūnis vill., Akmeņsalas house env., forestry block 276 compartment 8, 08.07-08.08.2011 (2) mixed aspen-spruce forest, free standing flight interception trap, leg. U.Piterāns; ~4 km N of Glāžšķūnis vill., Zilgalvji 1 house env., forestry block 160 compartment 6, 08.07-08.08.2011 (1) old aspen-spruce mixed forest, flight interception trap on *Populus tremula*

trunk, leg. U.Piterāns; Vecpiebalga district, Dzērbene env., LVM block 21, compartment 2, 29.06-19.08.2013 (1) mixed forest, flight interception trap, leg. M.Kalniņš.

Mycetophagus multipunctatus FABRICIUS, 1792

Vidzeme: Madona district, Rogāni vill. env., Krustkalni State reserve, 07.05.2011 (1) leg. A.Poppels.

Mycetophagus quadripustulatus (LINNAEUS, 1761)

Rīga: Ilģuciems, Lilijas Street 8, 05.06.2013 (2) hollow *Salix* sp., on *Laetiporus sulphureus* sporophore, photographed, not collected by U.Piterāns; Kurzeme: Ventspils district, Moricsala State nature reserve, Moricsala Island, 57°11'46.58"N, 22°8'54.38"E, 20.06.1999 (1) old mixed forest, on *Pinus sylvestris*, leg. J.Gailis; Kandava district, Rūmene vill., old avenue opposite Rūmene manor, 57°03'31"N, 22°43'37"E, 18.07.2015 (2) hollow *Quercus robur*, on *Laetiporus sulphureus* sporophore, leg. D.Telnov; Kuldīga district, Mazsālijas env., Remeši house, 24.06.2015 (1) on dead standing *Betula pendula*, photographed, not collected by U.Piterāns; Vidzeme: Ogre district, ~5 km S of Sutnaži, forestry block 156 compartment 15, 07.06-07.07.2011 (1) old aspen-spruce mixed forest, free standing flight interception trap, leg. U.Piterāns; Žļaugu bog env., forestry block 67 compartment 7, 07.06-07.07.2011 (1) mixed aspen-spruce forest, free standing flight interception trap, leg. U.Piterāns; Ape district, Melnupes meži [forests] PNT env., LVM blockkey 106-8, compartment 11, 02.06-14.07.2012 (1) mixed forest, flight interception trap, leg. M.Kalniņš; LVM blockkey 106-8, compartment 1, 02.06-14.07.2012 (1) mixed forest, flight interception trap, leg. M.Kalniņš.

Mycetophagus salicis BRISOUT DE BARNEVILLE, 1862

Kurzeme: Dižstende, Dižstende manor park, 57°11'27"N, 22°33'25"E, 18.07.2015 (1) park, fallen veteran *Tilia cordata*, on *Laetiporus sulphureus* sporophore, leg. D.Telnov.

Typhaea stercorea (LINNAEUS, 1758)

Latgale: Jēkabpils 1,5 km W, August-September 2012 (1) mixed forest, Malaise trap, leg. P.N.Buhl.

Tetratomidae

Hallomenus axillaris (ILLIGER, 1807)

Rīga: Ilģuciems, Lilijas Street 8, 05.06.2013 (2) hollow *Salix* sp., on *Laetiporus sulphureus* sporophore, photographed, not collected by U.Piterāns.

Hallomenus binotatus (QUENSEL, 1790)

Rīga: Ilģuciems, Lilijas Street 8, 05.06.2013 (2) hollow *Salix* sp., on *Laetiporus sulphureus* sporophore, photographed, not collected by U.Piterāns; Vidzeme: Ogre district, ~4 km SE of Glāznieki vill., forestry block 127 compartment 10, 08.07-08.08.2011 (1) old aspen-spruce mixed forest, free standing flight interception trap, leg. U.Piterāns.

Melandryidae

Orchesia fasciata (ILLIGER, 1798)

Vidzeme: Ogre district, ~5 km S of Sutnaži, forestry block 156 compartment 15, 08.07-08.08.2011 (1) old aspen-spruce mixed forest, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns; Žļaugu bog env., near Ruskas house, forestry block 52 compartment 1, 08.07-08.08.2011 (1) mixed aspen-spruce forest, free standing flight interception trap, leg. U.Piterāns; Zemgale: Auce district, old oak forest N from Počas house, 56°31'4.89"N, 22°56'14.77"E, 10-24.07.1999 (1) pitfall trap, leg. J.Gailis; Nereta district, Mazzalve parish, Baltezers

Lake, LVM blockkey 510-106, compartment 20, LKS-1992 x563461 y6261941, 24.05.2014 (1) moist forest, leg. M.Kalniņš.

Orchesia luteipalpis MULSANT, GUILLEBEAU, 1857

Vidzeme: Ādaži district, Rāmpurva grāvis [trench] near Lake Lieluikas, 57°08'19"N, 24°23'39"E, Ādaži PNT, 13.07.2015 (23) *Inonotus* sp. polypores on dead dry standing *Alnus glutinosa*, leg. D.Telnov; Ādaži district, River Puska valley, 57°09'36"N, 24°23'51"E, 26.07.2015 (13) alder forest, *Inonotus* sp. polypores on dead dry standing *Alnus glutinosa*, leg. D.Telnov.

Orchesia micans (PANZER, 1794)

Rīga: Daugavgrīva Island, Rītabuļļi, 57°00'48"N, 23°58'06"E, Piejūra PNT, 08.06.2014 (6) *Inonotus* sp. polypores on dead dry standing *Alnus glutinosa*, leg. D.Telnov.

Orchesia undulata KRAATZ, 1853

Vidzeme: Ogre district, ~4 km N of Glāzšķūnis vill., Zilgalvji 1 house env., forestry block 160 compartment 6, 08.07-08.08.2011 (1) old aspen-spruce mixed forest, free standing flight interception trap, leg. U.Piterāns; ~4 km SE of Glāznieki vill., forestry block 127 compartments 7 and 10, 08.07-08.08.2011 (2) mixed aspen-spruce forest, flight interception traps, leg. U.Piterāns; Mālpils district, between Augšciems and Kārde vill., forestry block 209 compartment 16, 08.07-08.08.2011 (1) mixed aspen-spruce forest, free standing flight interception trap, leg. U.Piterāns; Zemgale: Auce district, old oak forest N from Počas house, 56°31'4.89"N, 22°56'14.77"E, 17.04-01.05.1999 (1) in flight interception trap at standing dead *Quercus robur*, leg. J.Gailis; Olaine district, Stūpnieki vill. (between Rīga and Iecava) near house Jaunība 50, 22.05.2014 (1) edge of forest, on *Prunus padus* leaf, photographed,

not collected by U.Piterāns.

Abdera affinis (PAYKULL, 1799)

Rīga: Daugavgrīva Island, Rītabuļļi, 57°00'48"N, 23°58'06"E, Piejūra PNT, 08.06.2014 (3) *Inonotus* sp. polypores on dead dry standing *Alnus glutinosa*, leg. D.Telnov; Vidzeme: Ādaži district, Rāmpurva grāvis [trench] near Lake Lieluikas, 57°08'19"N, 24°23'39"E, Ādaži PNT, 13.07.2015 (31) *Inonotus* sp. polypores on dead dry standing *Alnus glutinosa*, leg. D.Telnov

Abdera flexuosa (PAYKULL, 1799)

Vidzeme: Ogre district, ~4 km SE of Glāznieki vill., forestry block 127 compartment 10, 07.06-07.07.2011 (1) old aspen-spruce mixed forest, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns.

Wanachia triguttata (GYLLENHAL, 1810)

Zemgale: Engure district, Engure lake PNT, Bērziems env., 57°15'36"N 23°09'1"E, 23.06.2013 (2) mixed forest, beaten from small, standing, dead *Betula pendula* stem, photographed, not collected by U.Piterāns.

Dircaea quadriguttata PAYKULL, 1798

Vidzeme: Ogre district, ~4 km N of Glāzšķūnis vill., Zilgalvji 1 house env., forestry block 160 compartment 6, 07.06-07.07.2011 (1) old aspen-spruce mixed forest, free standing flight interception trap, leg. U.Piterāns; Mālpils district, between Augšciems and Kārde vill., forestry block 209 compartment 16, 07.06-07.07.2011 (1) mixed aspen-spruce forest, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns; ~4 km SE of Glāznieki vill., forestry block 127 compartment 10, 08.07-08.08.2011 (1) old aspen-spruce mixed forest, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns; Ape district, Melnupes meži [forests] PNT env., LVM blockkey 106-1, compartment 19, 02.06-14.07.2012 (1)

mixed forest, flight interception trap, leg. M.Kalniņš.

Serropalpus barbatus (SCHALLER, 1783)
Vidzeme: Ogre district, ~5 km NE of Glāžšķūnis vill., forestry block 280 compartment 14, 07.06-07.07.2011 (1) mixed aspen-spruce forest, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns; ~4 km SE of Glāznieki vill., forestry block 127 compartment 7 and block 121 compartment 3, 08.07-08.08.2011 (2) mixed aspen-spruce forest, flight interception traps, leg. U.Piterāns; Ropaži district, Lielie Kangari PNT, between Villasmuiža and Augšciems vill., forestry block 590 compartment 10, 07.06-07.07.2011 (2) old aspen-spruce mixed forest, free standing flight interception trap, leg. U.Piterāns.

Dolotarsus lividus (C.R. SAHLBERG, 1833)
Zemgale: Olaine district, Sīpnieki vill. env. (between Rīga and Iecava) 56°42'6"N 24°08'45"E, 22.05.2014 (2) mixed forest, on old *Picea abies* stump, photographed, not collected by U.Piterāns; Vidzeme: Ogre district, ~4 km SE of Glāznieki vill., forestry block 121 compartment 13, 07.06-07.07.2011 (1) old aspen-spruce mixed forest, free standing flight interception trap, leg. U.Piterāns.

Zilora obscura (FABRICIUS, 1794)
Vidzeme: Ķegums district, S of Spāres bog, 56°41'12"N 24°43'34"E, 21.04.2015 (2) mixed forest, under bark of dead standing *Pinus sylvestris*, leg. U.Piterāns.

Melandrya dubia (SCHALLER, 1783)
Vidzeme: Ape district, Melnupes meži [forests] PNT env., LVM blockkey 106-8, compartment 8, 02.06-14.07.2012 (1) mixed forest, flight interception trap, leg. M.Kalniņš

Mordellidae

* *Mordella brachyura brachyura* MULSANT, 1856

Rīga district: Jūrmala, Priedaine, 30.06.1930 (1) leg. A.Švolkovskis.

* *Mordellistena pygmaeola* ERMISCH, 1956
Latgale: Ludza district, Raipole vill., 15.07.2006 (1) leg. A.Bukejs.

Rhipiphoridae

Metoecus paradoxus (LINNAEUS, 1761)

Vidzeme: Salaspils district, Dole Island, Dole fish ponds, 27.08.2014 (1) in flight, photographed, not collected by U.Piterāns; Zemgale: Tukums district, Tukums env., Ozoliņi, 12.10.2014 (1) photographed, not collected by S.Valucka.

Meloidae

Meloe brevicollis PANZER, 1793

Latgale: Daugavpils district, Silene PNT, Ilgas manor, 55°41'20.24"N, 26°46'53.53"E, 28.04.2001 (1) leg. J.Gailis.

Oedemeridae

Ditylus laevis (FABRICIUS, 1787)

Vidzeme: Ikšķīle district, Lielie Kangari env., near Siliņi house, 56°53'59"N 24°43'42"E, 02.07.2012 (1) dead on a road, leg. U.Piterāns.

Oedemera croceicollis (GYLLENHAL, 1827)

Vidzeme: Vecpiebalga district, Taurene env., Taurene manor, 12.07.2011 (1) leg. M.Kalniņš.

In Latvia, this species previously was only known from coastal meadows of the Rīga Gulf.

Oedemera femorata (SCOPOLI, 1763)

Kurzeme: Skrunda district, Skrunda fish ponds, 56°41'4"N 21°58'51"E, 20.06.2015 (2) edge of pond, on *Achillea millefolium* blooms, photographed, not collected by U.Piterāns.

Pyrochroidae*Pyrochroa serraticornis* (SCOPOLI, 1763)

Vidzeme: Sigulda district, Gauja NP, Gūtmaņala env., 24.05.2014 (1) edge of old broad-leaved forest, in grasses, photographed, not collected by U.Piterāns.

Aderidae*Phytoabaenus amabilis* R.F.SAHLBERG, 1834

Vidzeme: Ogre district, ~4 km NE of Glāzšķūnis vill., Akmeņsalas house env., forestry block 284 compartment 3, 08.07-08.08.2011 (1) young aspen stand, free standing flight interception trap, leg. U.Piterāns; 1 km E of Glāznieki vill., forestry block 75 compartment 9, 08.07-08.08.2011 (9) old aspen-spruce mixed forest, free standing flight interception trap, leg. U.Piterāns; Ropaži district, Lielie Kangari PNT, between Villasmuiža and Augšciems vill., forestry block 590 compartment 10, 08.07-08.08.2011 (7) old aspen-spruce mixed forest, free standing flight interception trap, leg. U.Piterāns; Zemgale: Iecava district, Dzelzāmurs vill. env., Sarmas houses, 15.05.2012 (1) mixed forest, leg. P.N.Buhl.

Aderus populneus (CREUTZER, 1796)

Vidzeme: Stopiņi district, Ulbroka env., Dzidriņas vill., Dārza Street 10, 56°56'25"N, 24°19'14"E, 08-25.05.2013 (1) garden, in flight, leg. D.Telnov.

Anidorus nigrinus (GERMAR, 1831)

Vidzeme: Stopiņi district, Ulbroka env., Dzidriņas vill., Dārza Street 10, 56°56'25"N, 24°19'14"E, 07.06.2014 (1) garden, in flight, leg. D.Telnov.

Tenebrionidae*Prionychus ater* (FABRICIUS, 1775)

Rīga: center, Ērgļu Street 5, 07.07.2011 (1) greenery, leg. D.Telnov; Āgenskalns, Kandavas Street 2, Botanical Garden of the University of Latvia, 14.05.2014 (3)

reared ex larvae, collected on 03.10.2013 from under bark of cut *Quercus robur* logs, leg. U.Piterāns; Kurzeme: Kandava district, Rūmene vill., old avenue opposite Rūmene manor, 57°03'31"N, 22°43'37"E, 18.07.2015 (3 larvae) hollow *Quercus robur*, leg. D.Telnov; Tukums district, Zentene, Zentene's avenue opposite major entrance to manor's building, 57°07'59"N, 22°58'44"E, 18.07.2015 (1) hollow *Aesculus* sp., leg. D.Telnov; Zemgale: Olaine district, Stīpnieki vill. (between Rīga and Iecava) 56°42'24"N 24°07'0"E, 07.08.2015 (1) white light, photographed, not collected by U.Piterāns.

Mycetochara flavipes (FABRICIUS, 1792)

Vidzeme: Salacgrīva district, Tūja env., Melbārži vill., Mieriņi house env., 12.06.2011 (1) leg. M.Kalniņš.

Pseudocistela ceramboides (LINNAEUS, 1758)

Rīga: Vecāķi, Pludmales Street, 08.07.2011 (1) edge of old-growth *Pinus sylvestris* forest, leg. D.Telnov; Kurzeme: Ventspils district, Moricsala State nature reserve, Moricsala Island, 57°11'46.58"N, 22°8'54.38"E, 20.06.1999 (1) old mixed forest, on the root of *Pinus sylvestris*, leg. J.Gailis; Kuldīga district, Mazsālijas vill. env., Remeši house, 24.06.2015 (2) in garden, photographed, not collected by U.Piterāns; Vidzeme; Salacgrīva district, Tūja env., Melbārži vill., Mieriņi house env., 23-24.06.2012 (1) meadow, *Quercus robur* hollow, leg. D.Telnov; Ādaži district, Rāmpurvs raised bog, 56°56'25"N, 24°19'14"E, 12.07.2015 (1) on decaying pine wood, leg. D.Telnov; Ape district, Melnupes meži [forests] PNT env., LVM blockkey 106-1, compartment 19, 02.06-14.07.2012 (1) mixed forest, flight interception trap, leg. M.Kalniņš.

Omophlus rufitarsis (LESKE, 1785)

Vidzeme: Garkalne district, 2 km NE of Garkalne, 57°03'40"N, 24°27'30"E,

22.05.2012 (1) xeric, sandy habitat, on a grass stem, photographed, not collected by U.Piterāns.

First record from Latvia within over 100 years.

Neatus picipes (HERBST, 1797)

Rīga: Āgenskalns, Kandavas Street 2, Botanical Garden of the University of Latvia, 03.10.2013 (1) on cut *Quercus robur* logs, photographed, not collected by U.Piterāns; Vidzeme: Ropaži district, Ropaži, park near the pond, 56°58'35"N, 24°37'57"E, 06.09.2014 (4) park, inside soft, rotten wood (white decay) of fallen veteran *Tilia cordata*, leg. D.Telnov.

Platyedema violaceum (FABRICIUS, 1790)

Vidzeme: Ķegums district, Spāres bog env., 56°41'46"N, 24°43'57"E, 21.04.2015 (2) old growth pine forest, under bark of dead standing *Pinus sylvestris*, photographed, not collected by U.Piterāns.

First record from Latvia within ~100 years.

Pentaphyllus testaceus (HELLWIG, 1792)

Rīga: Āgenskalns, Kandavas Street 2, Botanical Garden of the University of Latvia, 11.06.2013 (1) on *Quercus robur* with *Laetiporus sulphureus* sporophore, photographed, not collected by U.Piterāns.

Corticeus bicolor (OLIVIER, 1790)

Zemgale: Olaine district, Stīpnieki vill. (between Rīga and Iecava) 56°42'14"N 24°06'46"E, 23.05.2014 (1) clear-cut, on dead standing *Betula pendula* with *Fomes fomentarius* sporophore, photographed, not collected by U.Piterāns.

Cerambycidae

Ergates faber faber (LINNAEUS, 1761)^{PS}

Vidzeme: Ādaži district, Ilķene vill. env., 57°05'41"N, 24°27'29"E, 25-26.07.2014 (1) pine forest, white light, leg. M.Kalniņš.

Nothorhina muricata (DALMAN, 1817)^{PS}

Kurzeme: Grobiņa, Atpūtas Street 4, 56°32'47.19"N, 21°9'12.06"E, 07.07.2011, two inhabited *Pinus sylvestris* in the greenery, leg. J.Gailis; Vidzeme: Ainaži, Brīvības Street, near children hospital, 57°51'49.53"N, 24°21'25.87"E, 20.07.2011, three inhabited *Pinus sylvestris*, leg. J.Gailis.

Rhamnusium bicolor (SCHRANK, 1781)

Vidzeme: Pļaviņas district, Vietalva vill., 56°44'8"N 25°45'53"E, 26.06.2011 (1) avenue, on old *Ulmus glabra* trunk, photographed, not collected by J.Kluša.

Brachyta interrogationis (LINNAEUS, 1758)

Vidzeme: Amata district, Melturi vill., near River Amata bridge, 24.05.2014 (1) meadow, on *Trollius europaeus* blooms, photographed, not collected by U.Piterāns.

Evodinus borealis (GYLLENHAL, 1827)

Vidzeme: Ogre district, S of Žļaugu bog, 56°52'7"N 24°45'34"E, 11.05.2011 (6) edge of mixed forest, on *Prunus padus* blooms, leg. U.Piterāns.

* *Nivellia sanguinosa* (GYLLENHAL, 1827)

Kurzeme: Dundaga district, Puiškalnciems env., near Kaļķupe river valley, 57°32'43"N 22°30'32"E, 16.06.2015 (1) meadow at edge of mixed forest, in grass, photographed, not collected by M.Ieviņš.

Pidonia lurida (FABRICIUS, 1792)

Vidzeme: Amata district, Kārļi W env., Amata riverside, 27.06.2015 (1) on blooms, leg. F.Savich.

Leptura aethiops PODA, 1761

Vidzeme: Limbaži district, Vidriži env., near Megari house, 57°21'25"N 24°37'6"E, 02.07.2015 (1) edge of clear-cut, on Umbelliferae blooms, photographed, not collected by U.Piterāns; Zemgale: Auce

district, Počas house, 56°30'49.24"N, 22°56'21.07"E, 02.06.2013 (1) on the leaf of *Aegopodium podagraria*, leg. J.Gailis.

Anoplodera sexguttata (FABRICIUS, 1775)

Vidzeme: Sigulda district, Sigulda N env., valley of River Vējupīte, Gauja NP, 02.07.2015 (1) moist mixed forest, on blooms, leg. F.Savich.

Judolia sexmaculata (LINNAEUS, 1758)

Vidzeme: Ogre district, ~4 km SE of Glāznieki vill., LVM block 127 compartment 10, 07.06-07.07.2011 (1) old aspen-spruce mixed forest, free standing flight interception trap, leg. U.Piterāns; Amata district, Kārļi W env., Amata riverside, 27.06.2015 (4) on blooms, leg. F.Savich.

Stenurella nigra (LINNAEUS, 1758)

Kurzeme: Roja district, Žocene env., 57°32'2"N 22°43'21"E, 12.07.2015 (1) edge of pine forest, on Umbelliferae blooms, photographed, not collected by U.Piterāns.

Necydalis major LINNAEUS, 1758^{PS}

Kurzeme: Dundaga district, Slītere NP, edge of Dāvida pļavas [meadows], 57°37'59"N 22°18'18"E, 28.07.2013 (1) old broad-leaved forest, on dead tree trunk, photographed, not collected by U.Piterāns; Vidzeme: Ogre district, ~4 km N of Glāžšķūnis vill., Zilgalvji 1 house env., forestry square 160 patch 6, 07.06-07.07.2011 (1) old aspen-spruce mixed forest, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns; 1 km E of Glāznieki vill., forestry square 75 patch 9, 07.06-07.07.2011 (2) old aspen-spruce mixed forest, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns; Skrīveri district, 2 km SE of Dendrārijs railway station, 56°38'16"N 25°02'27"E, 13.06.2013 (1) in flight, photographed, not collected by U.Piterāns; Ādaži district, River Puska valley, 57°09'36"N, 24°23'51"E,

26.07.2015 (2) on dead dry standing *Alnus glutinosa*, leg. D.Telnov (not collected).

Tetropium fuscum (FABRICIUS, 1787)

Vidzeme: Ape district, Melnupes meži [forests] PNT env., LVM blockkey 106-8, compartment 11, 02.06-14.07.2012 (1) mixed Aspen forest, flight interception trap, leg. M.Kalniņš; Zemgale: Olaine district, Stīpnieki vill. env. (between Rīga and Iecava), 56°42'10"N 24°09'47"E, 22.05.2014 (3) edge of clear-cut, mixed spruce forest, on fallen *Picea abies* trunk, photographed, not collected by U.Piterāns.

Obrium cantharinum (LINNAEUS, 1767)

Kurzeme: Dundaga district, Kolka, Slītere NP, near old school, 29.07.2011 (1), 25.07.2014 (1) white light, photographed, not collected by U.Piterāns.

Glaphyra umbellatarum (SCHREBER, 1759)

Rīga: Āgenskalns, Kandavas Street 2, Botanical Garden of the University of Latvia, 28.06.2015 (1) beaten from *Malus domestica* branches, photographed, not collected by U.Piterāns.

Callidium aeneum (DEGEER, 1775)

Zemgale: Olaine district, Stīpnieki vill. env. (between Rīga and Iecava), 56°42'10"N 24°09'47"E, 22.05.2014 (2) edge of clear-cut, mixed spruce forest, on fallen *Picea abies* trunk, photographed, not collected by U.Piterāns.

Callidium coriaceum PAYKULL, 1800

Vidzeme: Ape district, Melnupes meži [forests] PNT env., LVM blockkey 106-8, compartment 11, 02.06-14.07.2012 (1) mixed aspen forest, flight interception trap, leg. M.Kalniņš

Poecilium alni (LINNAEUS, 1767)

Vidzeme: Skrīveri district, Dendrārijs

railway station, 25.06.2014 (1) in flight, leg. U.Piterāns.

Plagionotus detritus detritus (LINNAEUS, 1758)

Rīga: Āgenskalna priedes, Latvian University Botanical garden, near the Palm house, LCS-1992 x503493, y6311881, 30.05.2013 (1) on *Quercus robur* trunk, leg. M.Dakša; Kurzeme: Priekule env., Ruņupes ieleja [valley] PNT, 19.07.2014 (1) on *Quercus robur* trunk, leg. V.Spuņģis.

Monochamus rosenmuelleri (CEDERHJELM, 1798)

Vidzeme: Jaunpiebalga district, dry old pine-spruce forest SW from Skanuļi house at the edge of Tirza river valley, LVM block 248, compartment 17, 57°5'22.15"N, 26°4'51.52"E, 21.07.2014, several imago emerging exits on large decaying *Picea abies*, leg. J.Gailis; Ropaži district, Lielie Kangari PNT, between Villasmuiža and Augšciems vill., forestry square 590 patch 10, 07.06-07.07.2011 (1) old aspen-spruce mixed forest, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns; Skrīveri district, 2 km SE of Dendrārijs railway station, 56°38'16"N 25°02'27"E, 13.06.2013 (1) clear-cut, on cut *Picea abies* logs, photographed, not collected by U.Piterāns.

Pogonocherus decoratus FAIRMAIRE, 1855

Vidzeme: Garkalne district, Buļļezers PNT, 57°3'12.12"N, 24°28'41.53"E, 30.04.2011 (1) old dry pine forest, on the car, leg. J.Gailis.

Leiopus punctulatus (PAYKULL, 1800)

Vidzeme: Ogre district, ~5 km S of Suntaži, Papardes house env., LVM block 158 compartment 2, 07.06-07.07.2011 (1) young aspen stand, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns.

Exocentrus lusitanus (LINNAEUS, 1767)

Vidzeme: Salacgrīva district, Lāņi vill., Lāņi manor house, 12.07.2013 (1) avenue, beaten from *Tilia cordata* branches, leg. U.Piterāns.

Oplosia cinerea (MULSANT, 1839)

Vidzeme: Sigulda, Gauja NP, 16.06.1996 (1) mixed forest, leg. S.Berdnikovs.

Saperda perforata (PALLAS, 1773)

Vidzeme: Ape district, Melnupes meži [forests] PNT env., LVM blockkey 106-8, compartment 8, 02.06-14.07.2012 (1) mixed Aspen forest, flight interception trap, leg. M.Kalniņš; Gulbene district, between Druviena and Jaunpiebalga, Aizupes house, 08.06.2013 (1) white light, photographed, not collected by U.Piterāns.

Stenostola dubia (LAICARTING, 1784)

Vidzeme: Ogre district, ~4 km NE of Glāžšķūnis vill., Akmeņsalas house env., forestry square 276 patch 8, 07.06-07.07.2011 (1) mixed aspen-spruce forest, flight interception trap on *Populus tremula* trunk, leg. U.Piterāns.

Phytoecia virgula (CHARPENTIER, 1825)

Vidzeme: Ikšķīle district, 1 km NE Ikšķīle, 56°50'38"N 24°30'38"E, 08.05.2011 (1) edge of mixed forest, beaten from *Frangula alnus* bush, leg. U.Piterāns.

Oberea oculata (LINNAEUS, 1758)

Kurzeme: Saldus district, Lake Veikēnieku env., 56°44'22"N 22°12'18"E, 25.07.2013 (1) roadside vegetation, on Umbelliferae blooms, photographed, not collected by U.Piterāns; Vidzeme: Ogre district, between Ogre and Suntaži, 56°50'58"N 24°48'12"E, 07.07.2011 (1) roadside vegetation, photographed, not collected by U.Piterāns; Latgale: Līksna parish, 4 km N Daugavpils, 29.06.2009 (1) inland dunes, forest edge, on *Salix* sp., leg. A.Bukejs.

Chrysomelidae

Labidostomis longimana (LINNAEUS, 1761)

Zemgale: Auce district, dry meadow near the Počas house, 56°30'49.24"N, 22°56'21.07"E, 03.07.2011 (1) leg. J.Gailis.

Hydrothassa hannoveriana (FABRICIUS, 1775)

Kurzeme: Ventspils district, Dokupe vill., Vārpas Street 20, 03.05.2014 (2); 01.05.2015 (2) on *Caltha palustris* blooms, photographed, not collected by V.Šteinbergs.

Chrysolina oricalcia (O.F. MÜLLER, 1776)

Rīga: Mangaļsala, Piejūra PNT, Daugava's breakwater, 20.10.2012 (1) riverside, leg. U.Piterāns.

Chrysolina sanguinolenta (LINNAEUS, 1758)

Latgale: Daugavpils N env., Ļūbasti, 05.07.2010 (1) leg. M.Balalaikins.

Cassida panzeri WEISE, 1907

Latgale: Līksna parish, 3 km N Daugavpils, 27.05.2009 (1) inland dunes, edge of forest, leg. A.Bukejs; near Lake Micānu, 02.06.2009 (1) meadow, leg. M.Balalaikins.

Nemonychidae

Cimberis attelaboides (FABRICIUS, 1787)

Vidzeme: Vecpiebalga district, Taurene, 30.05-26.06.1998 (1) spruce forest, pitfall traps, leg. V.Spuņģis.

Anthribidae

Gonotropis dorsalis (THUNBERG, 1796)

Latgale: Ilūkste district, Dvietes paliene PNT, Lake Skuķu SW side, 56°03'54"N 26°11'30"E, 19.05.2014 (1) in flight, photographed, not collected by U.Piterāns.

Tropideres albistrois (SCHALLER, 1783)

Vidzeme: Skrīveri district, 2 km E of Dendrārijs railway station, 27.05.2012 (1) on path near railway, photographed, not collected by U.Piterāns.

Platyrhinus resinosus (SCOPOLI, 1763)

Rīga: Trīsciems, Mangaļi manor park, Lake Ķīšezers lakeside near the park, Jaunciems PNT, 03.09.2011 (14) floodplain, on fallen dry *Alnus glutinosa* trunk, leg. D.Telnov; Kurzeme: Vaiņode district, Embūte PNT, Embūte vill. env., Kļaviņas house, 05.09.2013 (1); 28.05.2015 (1) on old firewood, photographed, not collected by M.Ramša; Vidzeme: Ādaži district, Ādaži, Stapiņi house, 27.09.2012 (1) on outside wall of a house, photographed, not collected by A.Stašula.

Dissoleucas niveirostris (FABRICIUS, 1798)

Vidzeme: Ikšķīle district, Ikšķīle env., near Dubkalni quarry, 56°50'40"N 24°32'22"E, 08.05.2011 (1) mixed forest, on *Prunus padus* branch, photographed, not collected by U.Piterāns; Ogre district, ~4 km SE of Glāznieki vill., forestry block 127 compartment 10, 07.06-08.08.2011 (2) old aspen-spruce mixed forest, free standing flight interception trap, leg. U.Piterāns; ~5 km NE of Glāžšķūnis vill., forestry block 291 compartment 1, 08.07-08.08.2011 (1) young aspen stand, free standing flight interception trap, leg. U.Piterāns; 1 km E of Glāznieki vill., forestry block 75 compartment 9, 08.07-08.08.2011 (1) old aspen-spruce mixed forest, free standing flight interception trap, leg. U.Piterāns; Stopiņi district, pine forest between Dzidriņas vill. & Saurieši, 56°55'43"N, 24°20'24"E, 08.05.2015 (1) pine forest, moss & soil sample, leg. D.Telnov; Zemgale: Iecava district, Dzelzāmurs env., Sarmas houses, 15.05.2012 (1) mixed forest, leg. P.N.Buhl.

Platystomus albinus (LINNAEUS, 1758)

Kurzeme: Dundaga district, Slītere NP, Kolka vill., 01.07.1999 (2) leg. V.Spuņģis; Vidzeme: Gulbene district, Lubānas mitrājs PNT (former Pededzes ozolu audze PNT) 57°4'1.57"N, 26°53'3.54"E, 16.06.2002 (1)

old oak forest, leg. J.Gailis; Ogre district, 1 km E of Glāznieki vill., forestry block 75 compartment 9, 07.06-08.08.2011 (2) old aspen-spruce mixed forest, free standing flight interception trap, leg. U.Piterāns; Mālpils district, between Augšciems and Kārde vill., forestry block 209 compartment 16, 08.07-08.08.2011 (1) mixed aspen-spruce forest, free standing flight interception trap, leg. U.Piterāns; Stopiņi district, Ulbroka env., Dzidriņas vill., Dārza Street 10, 56°56'25"N, 24°19'14"E, 19.05.2012 (1) garden, in flight, leg. D.Telnov; 16.06.2012 (2) garden, on dry *Corylus avellana*, leg. D.Telnov; Amata district, Kārļi vill, near bridge over river Amata, 24.05.2014 (1) roadside vegetation, on grass stem, photographed, not collected by U.Piterāns; Valka district, Ziemeļgauja PNT, Cunci house env., 57°40'56"N 26°10'19"E, 31.05.2014 (1) edge of mixed forest, photographed, not collected by U.Piterāns; Koknese district, Koknese, Baznīcas cemetery, 04.05.2015 (1) park, on old stump, photographed, not collected by U.Piterāns; Zemgale: Jelgava district, Poķi vill., study and research farm "Pēterlauki", 56°30'38.5"N 23°41'21.9"E, 20.05.2015 (1) on the wall of hangar, leg. J.Gailis; Olaine district, Stīpnieki vill. (between Rīga and Iecava) 56°42'14"N 24°06'46"E, 23.05.2014 (1) 14.04.2013 (1) clear-cut, on *Betula pendula* trunks, photographed, not collected by U.Piterāns; Latgale: Daugavpils district, Ilga env., near Sietiņi farm, 13.08.2014 (1) on fallen *Betula pendula* trunk, photographed, not collected by U.Piterāns.

Dryophthoridae

Dryophthorus corticalis (PAYKULL, 1792)
Vidzeme: Ķegums district, N of Spāres bog, 20-21.04.2015 (num.) old pine forests, under bark of dead *Pinus sylvestris*, photographed, not collected by U.Piterāns.

Curculionidae

Otiorhynchus smreczynskii CMOLUCH, 1968
Latgale: Daugavpils, Jaunforštade, 01.08.2011 (2) on *Syringa vulgaris*, leg. A.Bukejs; 24.08.2011 (3) on *Syringa vulgaris*, leg. A.Bukejs; 04.09.2011 (2) on *Syringa vulgaris*, leg. A.Bukejs; 24.09.2011 (3) on *Syringa vulgaris*, leg. A.Bukejs; 9.10.2011 (1) on *Syringa vulgaris*, leg. A.Bukejs.

Cyphocleonus trisulcatus (HERBST, 1795)
Vidzeme: Ogre district, NW of Žļaugu bog, 56°53'15"N 24°45'6"E, 14.05.2012 (1) on a road, photographed, not collected by U.Piterāns.

Cossonus cylindricus R.F. SAHLBERG, 1835
Vidzeme: Skrīveri district, Skrīveri dendrological park, 6°59.0"N 25°03'17"E, 13.06.2013 (1) park, in hollow *Populus* sp., photographed, not collected by U.Piterāns.

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