



Estonian Additions to Silfverberg's „Enumeratio renovata Coleopterorum Fennoscandiae, Daniae et Baltiae“ Coleoptera Catalog

Uno Roosileht

A faunistic list which updates H. Silfverberg's "Enumeratio renovata Coleopterorum Fennoscandiae, Daniae et Baltiae" with respect to Coleoptera in Estonia is presented. The data is from specimens in the collection of the Estonian Museum of Natural History and from specimens collected by the author. The material were collected by hand, using nets and sifters and in recent years also using window and pitfall traps. The Estonian section of Silfverberg's catalogue is updated with 308 species. – Sahlbergia 21(2): 6–39.

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Keywords: Coleoptera, faunistic list, Estonia

Introduction

H. Silfverberg's catalogue of Coleoptera "Enumeratio renovata Coleopterorum Fennoscandiae, Daniae et Baltiae" was published in 2010, containing distribution data for beetle species in Finland (F), Karelia (K), Sweden (S), Norway (N), Denmark (D), Latvia (A), Lithuania (I) and Estonia (E). The collection of the Estonian Museum of Natural History contains species, collected in Estonia before 2010, whose data have not been previously published, and which therefore were not included in the list. New material has also been collected of species whose data, when published, would update the catalogue of beetles.

This article gives an overview of species that are missing from Silfverberg's 2010 catalogue, their localities, occurrences, collectors and determiners as given on the labels.

Material and methods

In total, more than 3000 species of Coleoptera in the collections were reviewed. The most important collecting localities are marked on the map (Fig. 1). The majority of the material were collected with traditional methods, using nets, from grass, trees, and shrubs. Most of the rove beetles (Staphylinidae) were collected using sifters, from river debris and decaying plant matter. Many species were simply caught by hand. Several rare species were caught using window traps installed on tree trunks. Most of the material was collected by Valentin Soo (1905-1984) and Uno Roosileht. The material is mostly deposited at the Estonian Museum of Natural History V. Soo Coleoptera Collection, and the Estonian Museum of Natural History Coleoptera Collection.

Several identification guides and handbooks (Szujecki

1961, Haberman 1962, Freude et al. 1964, 1967, 1971, 1974, Haberman 1968, Kryzhanovskii 1965, Miländer 1978, Voolma et al. 1997, Heliövaara et al. 2004, 2014) were used to determine the species. Different catalogs, checklists, lists and articles (Burakowski et al. 1978, 1979, 1980, 1981, 1986, 1990, 2000, Ferenca et al. 2002, Telnov 2004, Telnov et al. 2007, 2008, Süda 2009, Silfverberg 2010, 2014, Tamutis et al. 2011) as well as distribution atlases (Süda & Miländer 1998, Voolma et al. 2000, Suomen Kovakuoriaisatlas 2010) provided valuable additional information and helped to complete the work. Most of the specimens were also compared to the photos in the Lech Borowiec online catalog 2007-2015, University of Wrocław.

The list below uses Silfverberg's nomenclature (2010), updating Silfverberg's catalogue of Coleoptera with respect to Estonia (E). The names of collectors/determiners are abbreviated as follows: Valentin Soo (VS), Uno Roosileht (UR).



Fig. 1. Map of Estonia showing the main collecting localities.

List of species

DYTISCIDAE Leach, 1815

Bidessus grossepunctatus Vorbringer, 1907. Võõpsu, 17.06.1958, 4 ex., from a lake with a water net. (VS/VS).

Hygrotus quinquelineatus (Zetterstedt, 1828). Võõpsu, 10.06.1958, 2 ex., from a lake with a water net. Jaamaküla Narva River meander cutoff, 03.06.1965, 1 ex., from water with a water net. Loosina Lake Pihkva, 17.06.1975, 1 ex., from water with a water net. (VS/VS).

Paunküla, 59°09'/25°19', 17.08.1982, 3 ex., oxbow lake, from water with a water net. Tolli, 58°50'/24°16', 22.08.1996, 2 ex., bog pond, from water with a water net. (UR/UR).

Hydroporus glabriusculus Aubé, 1838. Tuudi, 30.06.1973, 1 ex., from a river with a water net. (VS/VS). Tolli, 58°50'/24°16', 22.08.1996, 8 ex., bog pond, from water with a water net. (UR/UR).

Nebrioporus canaliculatus (Lacordaire, 1835). Saaremaa Vanamõisa, 13.06.1997, 2 ex., from a sand quarry with a water net. Männiku, 59°19'/24°42', 10.09.1999, 6 ex., sand quarry, from a puddle of water with a water net. (UR/UR).

Ilybius crassus Thomson, 1856. Järvelja, 58°16'/27°19', 23.07.2011, 5 ex., a puddle of water in a forest, from water. (UR/UR).

CARABIDAE Latreille, 1802

Dyschirius intermedius Putzeys, 1846. Vaitka, 57°41'/26°10', 05.06.2010, 1 ex., the sand banks of a river, moistened sand. (UR/UR).

Tachys bistriatus (Duftschmid, 1812). Kavastu, 58°22'/27°06', 17.06.2012, 1 ex., river bank, beaten from river debris. Koivakonnu, 57°35'/26°19', 30.06.2012, 1 ex., meander scar, in the evening, netting from grass. (UR/UR).

Porotachys bisulcatus (Nicolai, 1822). Vaitka, 57°41'/26°12', 09.06.-26.06.2012, 1 ex., meadow, a single old birch snag, window trap. Vaitka, 57°41'/26°11', 01.07.-27.07.2012, 1 ex., oak woods, dead willow, window trap. (UR/UR).

Agonum consimile (Gyllenhal, 1810). Neeruti, 05.10.1958, 3 ex., river bank, river debris, sifting. (VS/VS). Kloogaranna, 59°22'/24°14', 01.05.2000, 1 ex., seashore, under marine debris. (UR/UR).

Agonum duftschmidi Schmidt, 1994. Vaibla, 58°24'/26°03', 01.05.2014, 1 ex., lake shore, shore debris, sifting. Laanemetsa, 57°37'/26°14', 26.07.2014, 1 ex., river bank, under a trunk. (UR/UR).

Amara montivaga Sturm, 1825. Salme, 58°09'/22°15', 12.07.2015, 1 ex., seashore, under a rock. (UR/UR).

Amara convexior Stephens, 1828. Vaitka, 57°41'/26°12', 22.06.-28.07.2013, 6 ex., dry meadow, pitfall trap. (UR/UR).

Amara fusca Dejean, 1828. Ellamaa, 18.07.1997, 2 ex., road verge, under a rock. Männiku, 59°19'/24°42', 10.09.1999. 1 ex., sands, netting from grass. (UR/UR).

Amara alpina (Paykull, 1790). Rannamõisa, 59°26'/24°31', 24.07.2014, 1 ex., seashore, under a trunk. (UR/UR).

Harpalus melanholicus Dejean, 1829. Mändjala, 58°12'/22°18', 15.06.2011, 1 ex., hot sandy beach, from beneath a plank. (UR/UR).

Harpalus serripes (Quensel, 1806). Voose, 59°12'/25°25', 21.08.2011, 1 ex., dry meadow, netting from grass. (UR/UR).

Harpalus autumnalis (Duftschmid, 1812). Piusa, 57°50'/27°29', 02.07.-27.07.2013, 3 ex., 27.07.-18.08.2013, 5 ex., railway verge, burned forest edge, pitfall trap. (UR/UR).

Harpalus honestus (Duftschmid, 1812). Tabina, 57°49'/27°17', 18.08.2013, 1 ex., sand quarry, under litter. (UR/UR).

Harpalus servus (Duftschmid, 1812). Tallinn Mähe, 06.09.1982, field verge, under a rock. (UR/UR).

Harpalus flavescens (Piller & Mitterpacher, 1783). Vaitka, 57°41'/26°11', 15.07.2006, 1 ex., river bank, under a trunk. (UR/UR).

Stenolophus teutonius (Schrank, 1781). Vasknarva, 58°59'/27°43', 10.05.2015, 4 ex., shallow boat channel in reed field, reed litter, sifting. (UR/UR).

Perigona nigriceps (Dejean, 1831). Koivakonnu, 57°35'/26°20', 01.09.2013, 1 ex., cattle corral, horse manure, sifting. Kanaküla, 58°14'/25°09', 08.06.-19.07.2014, 1 ex., mixed forest, spruce snag, window trap. (UR/UR).

HYDROPHILIDAE Latreille, 1802

Hydrochus elongatus (Schaller, 1783). Koseveski, 58°43'/26°51', 08.08.2015, 1 ex., pond, from water with a water net. (M. Vool/UR).

Paracymus aeneus (Germar, 1824). Saaremaa Siiksaare, 21.06.1957, 1 ex., seashore, seaweed, sifting. (VS/VS).

Hydrophilus piceus (Linnaeus, 1758). Jõesuu, 58°23'/26°07', 07.08.2010, 1 ex., lake shore, under a rock, reared from a pupa. (UR/UR).

Cercyon granarius Erichson, 1837. Pärnu, 58°21'/24°34', 13.05.1988, 1 ex., seashore, reeds, sifting. Uulu, 58°16'/24°32', 27.04.1991, 1 ex., seashore, seaweed, sifting. (UR/UR).

Cercyon sternalis Sharp, 1918. Mustjõe, 59°16'/25°27', 20.04.1988, 1 ex., mixed forest, litter, sifting. (UR/UR).

Sphaeridium marginatum Fabricius, 1787. Taheva, 57°36'/26°20', 30.08.2014, 1 ex., garden, dung, sifting. (UR/UR).

HISTERIDAE Gyllenhal, 1808

Abraeus granulum Erichson, 1839. Saaremaa Viidu, 17.06.1968, 1 ex., dry meadow, sheep manure. Saaremaa Kiratse, 02.06.1972, 1 ex., dry meadow, sheep manure. Saaremaa Viidu, 17.07.1972, 2 ex., dry meadow, sheep manure. (VS/VS).

Saprinus rugifer (Paykull, 1809). Koivakonnu, 57°35'/26°19', 21.05.-24.06.2011, 2 ex., oak woods, a dying oak, window trap. (UR/UR).

Hypocaccus dimidiatus (Illiger, 1807). Tallinn Rannamõisa, 27.08.1978, 2 ex., seashore, sifting. (VS/VS). Ruhnu, 57°48'/23°15', 01.-07.07.2003, 1 ex., sandy beach, under a trunk. (UR/UR).

Hetaerius ferrugineus (Olivier, 1789). Tallinn Haabersti, 10.07.1953, 2 ex., field, compost, sifting. (VS/VS). Pärnu, 18.04.1995, 1 ex., river bank, from an anthill. Vormsi Hullo, 24.05.1995, 1 ex., forest edge, from an anthill. (UR/UR).

HYDRAENIDAE Mulsant, 1844

Limnebius aluta Bedel, 1881. Koseveski, 58°43'/26°51', 08.08.2015, 1 ex., pond, from water with a water net. (M. Vool/UR).

Limnebius atomus (Duftschmid, 1805). Vasknarva, 58°59'/27°43', 07.08.2014, 2 ex., a shallow boat channel in reed field, from water with a water net. (UR/UR).

Ochthebius auriculatus Rey, 1886. Tolli, 58°50'/24°16', 22.08.1996, 1 ex., bog pond, from water with a water net. (UR/UR).

Ochthebius dilatatus Stephens, 1829. Tallinn Rannamõisa, 16.11.1978, 1 ex., seashore, debris, sifting. (VS/VS). Palupõhja, 58°25'/26°14', 01.05.2010, 1 ex., river bank, debris, sifting. (UR/UR).

Ochthebius bicolon Germar, 1824. Tallinn Kose, 16.10.1949, 1 ex., mixed forest, plant litter, sifting. Taebala, 13.10.1953, 3 ex., oak woods, plant litter, sifting. Vasalemma, 18.04.1965, 3 ex., river bank, debris, sifting. Matsalu Rannaküla, 23.10.1967, 1 ex., seashore, debris, sifting. (VS/VS). Mustjõe, 59°16'/25°27', 27.05.1993, 1 ex., river bank, on mud. Keila, 10.03.1997, river bank, debris, sifting. Tallinn Iru, 04.04.1997, river bank, debris, sifting. (UR/UR).

PTILIIDAE Heer, 1843

Ptenidium intermedium Wankowicz, 1869. Vaitka, 57°41'/26°12', 23.06.-27.07.2014, 1 ex., swampy meadow, birch snag, window trap. (UR/UR).

Ptilium myrmecophilum (Allibert, 1844). Tallinn Mustamäe, 59°24'/24°41', 19.11.1990, 1 ex., mixed forest, from an anthill, sifting. Kiisa, 59°15'/24°41', 08.02.1993, 3 ex., forest edge, from an anthill, sifting. (UR/UR).

Microptilium pulchellum (Allibert, 1844). Välgi, 58°34'/26°53', 15.06.-13.07.2014, 1 ex., mixed forest, dead aspen, window trap. (UR/UR).

Ptinella denticollis (Fairmaire, 1858). Kanaküla, 58°16'/25°10', 11.08.-04.10.2013, 1 ex., mixed forest, dying aspen, window trap. (UR/UR).

Ptinella aptera (Guérin-Ménéville, 1839). Ihamaru, 58°05'/26°55', 12.05.-13.07.2013, 1 ex., forest edge, birch snag with fungi, window trap. Vaitka, 57°41'/26°11', 28.07.-05.10.2013, 1 ex., oak woods, broken aspen, window trap. (UR/UR).

Ptinella tenella (Erichson, 1845). Välgi, 58°34'/26°53', 15.06.-13.07.2014, 1 ex., mixed forest, dead aspen, window trap. (UR/UR).

Pteryx suturalis (Heer, 1841). Parmu, 57°35'/26°23', 01.07.-28.07.2012, 3 ex., mixed forest, dead birch, window trap. Mooste, 58°09'/27°07', 30.07.-10.08.2012, 3 ex., mixed forest, birch snag, window trap, 15.08.-13.09.2012, 1 ex., mixed forest, birch snag with fungi, window trap, 03.09.-06.10.2012, 1 ex. mixed forest, birch snag, window trap. (UR/UR).

Nephanes titan (Newman, 1834). Pikakannu, 57°52'/27°14', 04.07.2013, 3 ex., village, in the evening, in flight. Koivakonnu, 57°35'/26°19', 14.07.2013, 1 ex., meadow, in the evening, netting from grass. (UR/UR).

Smicrus filicornis (Fairmaire & Laboulbène, 1855). Koivakonnu, 57°35'/26°19', 14.07.2013, 1 ex., meadow, in the evening, netting from grass. (UR/UR).

Baeocrara variolosa (Mulsant & Rey, 1873). Aegviidu, 59°18'/25°36', 19.05.2013, 2 ex., timber storage yard, in the evening, in flight. Mooste, 58°09'/27°07', 08.09.-07.10.2013, 2 ex., mixed forest, dead spruce, window trap. (UR/UR).

Acrotrichis thoracica (Waltl, 1838). Paldiski, 59°22'/24°02', 29.04.2013, 2 ex., broadleaf forest, plant litter, sifting. (UR/UR).

Acrotrichis rosskotheni Sundt, 1971. Mooste, 58°09'/27°07', 24.06.-26.07.2013, 2 ex., mixed forest, dead spruce, window trap. (UR/UR).

Acrotrichis sjobergi Sundt, 1958. Kiidjärve, 58°09'/27°02', 12.05.-24.06.2013, 1 ex., clear cut area, pine, window trap. (UR/UR).

LEIODIDAE Fleming, 1821

Hydnobius latifrons (Curtis, 1840). Koivakonnu, 57°35'/26°19', 14.07.2013, 1 ex., meadow, in the evening, netting from grass. (UR/UR).

Agaricophagus cephalotes Schmidt, 1841. Tali, 58°03'/24°47', 18.04-22.06.2014, 1 ex., mixed forest, dead alder, window trap. Laanemetsa, 57°37'/26°15', 24.05-26.07, 1 ex. and 26.07.-30.08.2014, 1 ex., river bank, dead willow, window trap. (UR/UR).

Agathidium pulchellum Wankowicz, 1869. Mooste, 58°09'/27°07', 24.06.-26.07.2013, 1 ex., mixed forest, birch snag with fungi, window trap. (UR/UR).

Agathidium confusum Brisout de Barneville, 1863. Aegviidu Mustjõe 09.07.1961, 1 ex., meadow, netting from grass. Aegviidu Mustjõe 19.07.1961, 1 ex., meadow, netting from grass. Aegviidu Tõrrepõhja, 09.09.1968, 1 ex., mixed forest, fungi, sifting. Taheva, 09.07.1976, 4 ex., mixed forest, on the fungi. (VS/VS). Raku, 59°22'/24°45', 07.04.1992, 1 ex., mixed forest, plant litter, sifting. Vaitka, 57°41'/26°10', 22.04.2012, 1 ex., mixed forest, on a bleeding birch stump. Parmu, 57°34'/26°21', 21.04.-19.05.2012, 1 ex., pine forest, dry pine, window trap. (UR/UR).

Colon zebei Kraatz, 1854. Saaremaa Kasti, 20.06.1972, 1 ex., forest edge, netting from grass. (VS/VS).

Nargus wilkinii (Spence, 1815). Keila, 59°18'/24°22', 28.09.2014, 2 ex., mixed oak forest, litter, sifting. (UR/UR).

Nargus badius (Sturm, 1839). Taebla, 11.10.1964, 1 ex., oak woods, plant litter, sifting. Rakvere Vinni, 05.09.1965, 1 ex., oak woods, plant litter, sifting. Risti Metsa railway station, 27.09.1971, 1 ex., mixed forest, plant litter, sifting. Mustjõe railway station, 30.11.1982, mixed forest, plant litter, sifting. (VS/VS).

Choleva sturmii Brisout de Barneville, 1863. Sõtke, 58°53'/24°22', 01.09.-29.09.2012, 1 ex., clear cut area, pitfall trap. (UR/UR).

SCYDMAENIDAE Leach, 1815

Euthiconus conicicollis (Fairmaire & Laboulbène, 1855). Kanaküla, 58°16'/25°11', 21.06.-10.07.2013, 1 ex., mixed forest, dying aspen, window trap. (UR/UR).

Scydmorephes helvolus (Schaum, 1844). Vaitka, 57°41'/26°11', 01.07.-27.07.2012, 1 ex., meadow, birch snag with fungi, window trap. Mooste, 58°09'/27°07', 24.06.-26.07.2013, 1 ex., mixed forest, old birch snag with fungi, window trap. (UR/UR).

Stenichnus godarti (Latreille, 1806). Piusa, 57°50'/27°29', 03.05.2014, 1 ex., pine forest, under pine bark. (UR/UR).

Euconnus pragensis (Machulka, 1923). Parmu, 57°35'/26°23', 15.06.-02.07.2012, 1 ex., mixed forest, birch with fungi, window trap. (UR/UR).

Euconnus rutilipennis (Müller & Kunze, 1822). Ahunapalu, 58°20'/27°16', 05.08.-27.08.2011, 1 ex., bog margin, pitfall trap. Vaitka, 57°41'/26°11', 22.06.-28.07.2013, 1 ex., oak woods, broken aspen, window trap. (UR/UR).

STAPHYLINIDAE Latreille, 1802

Acidota cruentata Mannerheim, 1830. Tallinn Pärnamäe, 08.11.1953, 1 ex., mixed forest, plant litter, sifting. Tallinn Veskimägi, 14.10.1954, 1 ex., plant litter, sifting. Taebla, 04.11.1973, 1 ex., pine forest, bushes, leaf litter, sifting. Vääna Vahiküla, 05.11.1975, 1 ex., mixed forest, plant litter, sifting. Mustjõe Jänijõe, 21.04.1976, 2 ex., river bank, debris, sifting. Hagudi, 30.10.1982, 1 ex., avenue, plant litter, sifting. (VS/VS). Mähe, 59°30'/24°52',

20.10.1982, 1 ex., klint foot, mixed forest, sifting. Aegviidu Pillapalu, 25.04.1995, 1 ex., clear cut area, on a bleeding birch stump. Mustamäe, 59°23'/24°42', 22.11.2009, 1 ex., sands, a willow thicket, sifting. Keila, 59°18'/24°26', 20.04.2013, 1 ex., river bank, flood, on a bush. Keila, 59°18'/24°26', 23.04.2013, 1 ex., river bank, flood, on a bush. (UR/UR).

Geodromicus nigrita (Müller, 1821). Rannamõisa, 59°26'/24°31', 24.07.2014, 1 ex., seashore, under a tree trunk. (UR/UR).

Euplectus infirmus Raffray, 1910. Ahunapalu, 58°20'/27°15', 06.06.-08.07.2012, 1 ex., mixed forest, birch snag, window trap. Kanaküla, 58°16'/25°10', 10.07.-11.08.2013, 1 ex., mixed forest, dying aspen, window trap. (UR/UR).

Euplectus punctatus Mulsant & Rey, 1861. Koivakonnu, 57°35'/26°19', 21.05.-24.06.2011, 2 ex., edge of a meadow, decayed birch, window trap. Vaitka, 57°41'/26°11', 20.05.-09.06.2012, 1 ex., oak woods, old birch snag, window trap. Parmu, 57°35'/26°23', 01.07.-28.07.2012, 1 ex., mixed forest, dead birch, window trap. Järvelja, 58°16'/27°19', 30.06.-19.08.2013, 1 ex., edge of a clear cut area, old birch snag, window trap. (UR/UR).

Biblopectus tenebrosus (Reitter, 1880). Palupõhja, 58°25'/26°14', 20.05.2011, 1 ex., river bank, debris, sifting. Vaitka, 57°41'/26°11', 01.09.-16.09.2012, 1 ex., oak woods, dead birch, window trap. Apnasaare, 58°20'/27°16', 01.09.-22.09.2012, 1 ex., mixed forest, dead rowan, window trap. (UR/UR).

Biblopectus minutissimus (Aubé, 1833). Koivakonnu, 57°35'/26°19', 24.06.-31.07.2011, 1 ex., edge of a meadow, rotten birch snag, window trap. (UR/UR).

Trichonyx sulcicollis (Reichenbach, 1816). Kurtna, 59°14'/27°33', 15.06.-25.07.2013, 1 ex., mixed forest, birch with fungi, window trap. Välg, 58°34'/26°53', 15.06.-13.07.2014, 1 ex., mixed forest, aspen snag, window trap. (UR/UR).

Bryaxis clavicornis (Panzer, 1805). Meleski Pedja River, 14.04.1970, 1 ex., river bank, debris, sifting. (VS/G.Miländer). Lake Ülemiste, 59°23'/24°47', 24.04.1994, 1 ex., lake shore, sifting. Valmassaare, 08.07.1998, 3 ex., floodplain, netting from grass. Valmassaare, 17.07.1998, 2 ex., floodplain, hay, sifting. Palupõhja, 58°25'/26°14', 24.04.2010, 2 ex., floodplain, debris, sifting. (UR/UR).

Brachygluta haematica (Reichenbach, 1816). Meleski Pedja River, 14.04.1970, 7 ex., river bank, debris, sifting. Kolga-Jaani Rõika, 28.05.1980, 2 ex., river bank, debris, sifting. (VS/VS). Kübassaare, 58°26'/23°18', 16.07.2009, 1 ex., seashore, netting from grass. (UR/UR).

Mycetoporus clavicornis (Stephens, 1832). Röpina Männisalu, 09.06.1958, 1 ex., field, from a trap hole. Tallinn Lake Ülemiste, 01.09.1961, 1 ex., lake shore, netting from grass. Kloogaranna, 01.08.1962, 1 ex., seashore, netting from grass. Tallinn Mustamäe, 07.10.1971, 1 ex., slope, mixed forest, plant litter, sifting. Vääna, 28.09.1973, 1 ex., klint slope, mixed forest, plant litter, sifting. Karuse, 23.10.1982, 1 ex., oak woods, plant litter, sifting. (VS/VS). Saue, 59°18'/24°33', 20.08.2010, 1 ex., meadow, netting from grass. (UR/UR).

Bryophacis rufus punctipennis (Thomson, 1861). Aegviidu, 59°18′/25°37′, 12.09.2013, 2 ex., sawmill, bark pile, sifting. Aegviidu, 59°18′/25°37′, 09.03.2014, 1 ex., timber storage yard, bark pile, sifting. (UR/UR).

Tachinus rufipennis Gyllenhal, 1810. Rakvere Vinni, 01.05.1966, 2 ex., oak woods, plant litter, sifting. (VS/VS).

Tachinus elongatus Gyllenhal, 1810. Kiisa, 26.05.1963, 1 ex., on a road. (VS/VS). Lelle, 58°53′/25°01′, 22.05.1986, 1 ex., on a gravel road. Kanaküla, 03.06.1997, 1 ex., on a forest road. (UR/UR).

Coproporus colchicus Kraatz, 1858. Aegviidu, 59°18′/25°36′, 19.05.2013, 3 ex., storage yard, in the evening, in flight, 12.09.2013, 5 ex., sawmill, bark pile, sifting. (UR/UR).

Aleochara spissicornis Erichson, 1839. Saku, 31.08.1965, 1 ex., park, netting from grass. (VS/VS).

Aleochara sanguinea (Linnaeus, 1758). Koivakonnu, 57°35′/26°19′, 01.09.-15.09.2012, 1 ex., meadow, dry oak, window trap. Pillapalu, 59°19′/25°40′, 22.09.2013, 1 ex., mixed forest, on fungi. (UR/UR).

Aleochara verna Say, 1836. Palamuse Kaiu, 58°39′/26°53′, 16.05.2010, 1 ex., sand quarry, in flight. (UR/UR).

Oxypoda vittata Märkel, 1842. Keila Ohtu, 24.09.1961, 1 ex., mixed forest, from an oak hollow, sifting. Paunküla, 15.10.1961, 1 ex., field verge, a pile of rye, sifting. Laanemetsa Koiva River, 02.07.1963, 1 ex., from an anthill, sifting. Aegviidu Mustjõe, 21.09.1975, 1 ex., mixed forest, stump with moss, sifting. Aegviidu Mustjõe, 25.09.1975, 1 ex., mixed forest, meat trap. Võrtsjärv Leie, 26.11.1982, mole nest, sifting. (VS/VS).

Oxypoda lentula Erichson, 1837. Vaitka, 57°41′/26°11′, 22.06.-28.07.2013, 1 ex., oak woods, broken aspen, window trap. (UR/UR).

Oxypoda flavicornis Kraatz, 1856. Kõima, 29.04.1968, 1 ex., oak woods, plant litter, sifting. (VS/VS).

Calodera aethiops (Gravenhorst, 1802). Lohu, 59°05′/24°48′, 23.04.2011, 1 ex., gravel pit, under a rock. Keila, 59°18′/24°26′, 01.05.2013, 1 ex. river bank, debris, sifting. (UR/UR).

Dexiogyia corticina (Erichson, 1837). Lake Ülemiste, 59°23′/24°46′, 03.05.2002, 1 ex., riparian forest, in flight. (UR/UR).

Thiasophila wockii (Schneider, 1862). Jaama Feodori Forest, 59°02′31″/27°40′32″, 11.05.-15.06.2013, 1 ex., burned forest edge, birch snag, window trap. (UR/UR).

Haploglossa picipennis (Gyllenhal, 1827). Vaitka, 57°41′/26°12′, 01.07.-27.07.2012, 1 ex., meadow, a single birch snag, window trap. (UR/UR).

Poromniusa crassa (Eppelsheim, 1883). Kanaküla, 58°16′/25°11′, 27.05.2007, 2 ex., forest road, wild pig manure (UR/UR).

Dinarda dentata (Gravenhorst, 1806). Kiisa, 28.03.1954, 2 ex., mixed forest, from an anthill, sifting. Aegviidu Mustjõe, 16.09.1962, 1 ex., mixed forest, from an anthill, sifting. (VS/VS). Pillapalu, 12.05.1994, 1 ex. (UR/UR).

Dinarda hagensii Wasmann, 1889. Aegviidu Mustjõe, 16.09.1962, 1 ex., mixed forest, from an anthill, sifting. (VS/UR).

Meotica pallens (Redtenbacher, 1849). Tallinn, Jüri, 59°21'/25°00', 20.04.2010, 1 ex., meadow, mole nest, sifting. (UR/UR).

Brachyusa concolor (Erichson, 1839). Kasari, 58°44'/23°59', 1 ex., river bank, debris, sifting. Laanemetsa, 57°38'/26°14', 22.06.2013, 1 ex., sandy river bank, on sand. (UR/UR).

Schistoglossa gemina (Erichson, 1837). Aegviidu Mustjõe, 25.04.1965, 1 ex., river bank, debris, sifting. Mustjõe Jänijõe, 14.04.1968, 1 ex., river bank, debris, sifting. Matsalu Rannamõisa, 24.09.1969, 1 ex., seashore, debris, sifting. Kasari, 14.04.1971, 2 ex., floodplain, debris, sifting. (VS/VS). Kasari, 58°44'/23°59', 10.04.1995, 1 ex., river bank, debris, sifting. (UR/UR).

Aloconota debilicornis (Erichson, 1839). Tallinn Lake Ülemiste, 04.09.1993, 1 ex., sifting. (UR/UR).

Aloconota currax (Kraatz, 1856). Mõisamõtsa, 57°34'/26°38', 11.07.-08.09.2013, 1 ex., mixed forest, pitfall trap. (UR/UR).

Amidobia talpa (Heer, 1841). Kiisa Kurtna, 18.04.1979, 2 ex., forest edge, from an anthill, sifting. Mustjõe Jänijõe, 23.11.1981, 5 ex., forest edge, from an anthill, sifting. (VS/VS). Kiisa, 08.02.1993, 1 ex., coniferous forest, from an anthill, sifting. Pillapalu, 59°22'/25°43', 19.05.1999, 1 ex., under bark of a dry pine. Raku, 59°22'36''/24°44'49'', 30.03.2013, 3 ex., edge of a pine forest, from an anthill, sifting. (UR/UR).

Notothecta flavipes (Gravenhorst, 1806). Tallinn Veskimägi, 13.03.1954, 4 ex., mixed forest, from an anthill, sifting. Risti Metsa Railway Station, 15.07.1963, 1 ex., forest edge, netting from grass. Saaremaa Kasti, 14.06.1972, 1 ex., forest edge, netting from grass. Kiisa, 14.04.1976, 2 ex., mixed forest, from an anthill, sifting. (VS/VS). Lake Ülemiste, 31.03.1991, 1 ex., sifting. Märjamaa Kükita, 07.01.1998, 6 ex., from an anthill. Kauksi, 58°59'/27°12', 22.06.2009, 1 ex., pine forest, netting from grass. (UR/UR).

Datomicra dadopora Thomson, 1867. Tallinn Muuga, 11.07.1978, 1 ex., garden, rotting grass, sifting. Saaremaa Mändjala, 29.05.1979, 4 ex., seashore, debris, sifting. Saaremaa Parrasmets, 16.07.1979, 1 ex., rotting grass, sifting. Tallinn Rannamõisa, 04.09.1979, 1 ex., seashore, debris, sifting. Põltsamaa Kaavere, 30.05.1980, 1 ex., riverbank bushes, sifting. (VS/VS).

Rhagocneme subsinuata (Erichson, 1839). Tallinn Maardu, 05.09.1959, 1 ex., under a rock. Ardu, 01.11.1964, 7 ex., decaying manure, sifting. Tallinn Muuga, 11.07.1978, 1 ex., garden, rotting grass, sifting. (VS/VS).

Atheta laevicauda J.Sahlberg, 1876. Massiaru, 57°59'/24°31', 09.09.-04.10.2013, 1 ex., mixed forest, pitfall trap. (UR/UR).

Atheta ravilla (Erichson, 1839). Rakvere Vinni, 16.08.1977, 1 ex., oak woods, on fungi on an oak. Tallinn Rannamõisa, 27.08.1978, 1 ex., seashore, debris, sifting. (VS/VS).

Bessobia occulta (Erichson, 1837). Kaberneeme, 20.09.1995, 1 ex., seashore, debris. (UR/UR).

Bessobia excellens (Kraatz, 1856). Mooste, 58°09′/27°07′, 08.09.-07.10.2013, 1 ex., mixed forest, old birch snag with fungi, window trap. (UR/UR).

Platarea nigrifrons (Erichson, 1839). Kuivastu, 58°34′/23°23′, 15.07.1994, 2 ex., seashore, under debris. (UR/UR).

Alevonota rufotestacea (Kraatz, 1856). Saue, 59°18′/24°32′, 15.05.2014, 2 ex., meadow, netting from grass. (UR/UR).

Acrotona clientula (Erichson, 1839). Kavastu, 58°22′/27°06′, 15.06.2015, 1 ex., river bank, debris, sifting. (UR/UR).

Acrotona amplicollis (Mulsant & Rey, 1873). Tallinn Mustamäe, 59°24′/24°42′, 17.10.1999, 1 ex., sands, in a willow thicket, sifting. Tallinn Mustamäe, 59°24′/24°41′, 23.10.1999, 3 ex., sands, in a willow thicket, sifting. (UR/UR).

Amischa bifoveolata (Mannerheim, 1830). Paluküla, 58°55′/25°02′, 09.09.2011, 1 ex., meadow, netting from grass. (UR/UR).

Myrmecocephalus concinnus (Erichson, 1839). Aegviidu, 59°18′/25°36′, 17.07.2013, 2 ex., storage yard, in flight. Aegviidu, 59°18′/25°36′, 20.07.2013, 6 ex., sawmill, bark debris, sifting. (UR/UR).

Lomechusa paradoxa Gravenhorst, 1806. Ridase, 26.06.1973, 1 ex., meadow, netting from grass. (VS/UR).

Gyrophana pseudonana Strand, 1939. Koikla, 58°28′/22°46′, 07.06.2013, 1 ex., park, on fungi. (UR/UR).

Agaricochara latissima (Stephens, 1832). Vatsküla, 58°16′/22°37′, 13.06.1987, 1 ex., field verge, netting from grass. (UR/UR).

Bolitochara lucida (Gravenhorst, 1802). Asuja, 58°06′/24°41′, 23.07.1991, 3 ex., mixed forest, on fungi. Kanaküla, 58°16′/25°11′, 24.08.1992, 1 ex., mixed forest, on fungi. (UR/UR).

Leptusa norvegica Strand, 1941. Rakvere, 59°25′/26°16′, 21.10.2008, 1 ex., field, old straw, sifting. (UR/UR).

Tachyusida gracilis (Erichson, 1837). Mooste, 58°09′/27°07′, 12.05.-24.06.2013, 1 ex., mixed forest, dead spruce, window trap. (UR/UR).

Autalia longicornis Scheerpeltz, 1947. Heisri, 58°02′/26°49′, 07.09.2010, 1 ex., mixed forest, on mushrooms. Kemba, 59°25′/25°39′, 10.09.2010, 1 ex., mixed forest, on mushrooms. (UR/UR).

Oligota pumilio Kiesenwetter, 1858. Tuudi, 58°39'/23°46', 28.08.2010, 1 ex., field, heap of wheat, sifting. (UR/UR).

Cypha discoidea (Erichson, 1839). Mustjõe Jänijõe, 17.04.1972, 1 ex., meadow, old hay, sifting. Aegviidu Mustjõe, 17.04.1972, 2 ex., forest edge, plant litter, sifting. (VS/VS). Lake Maardu, 31.10.1994, 1 ex., sifting. Pikasilla, 58°05'/26°04', 25.09.2011, 1 ex., floodplain, netting from grass. (UR/UR).

Cypha apicalis (Brisout de Barneville, 1863). Vaitka, 57°41'/26°11', 22.06.-28.07.2013, 1 ex., oak woods, broken aspen, window trap. (UR/UR).

Scaphisoma balcanicum Tamanini, 1954. Vaitka, 57°41'/26°11', 22.06.-28.07.2013, 1 ex., oak woods, dead oak, window trap. (UR/UR).

Scaphisoma boreale Lundblad, 1952. Kanaküla, 58°16'/25°11', 12.07.1992, 1 ex., mixed forest, under bark. Kanaküla, 58°16'/25°11', 01.08.-25.09.2011, 1 ex., mixed forest, aspen snag, window trap. Puhtu, 58°33'30"/23°33'02", 04.05.-07.06.2013, 1 ex., mixed forest, dead oak, window trap. Mooste, 58°09'/27°07', 24.06.-26.07.2013, 1 ex., mixed forest, dead spruce, window trap. Ihamaru, 58°05'40"/26°55'16", 12.05.-03.07.2013, 3 ex., forest edge, old birch snag with fungi, window trap. (UR/UR).

Carpelimus obesus (Kiesenwetter, 1844). Jõgeveste River of Väike-Emajõgi, 25.05.1981, 2 ex., river bank, lodged grass, sifting. (VS/VS).

Carpelimus exiguus (Erichson, 1839). Surju park, 16.07.1993, 1 ex. (UR/UR).

Bledius tibialis Heer, 1839. Laanemetsa Koiva River, 08.06.1963, 4 ex., river sand banks, moistened sand. Matsalu Rannaküla, 23.10.1967, 1 ex., seashore, debris, sifting. Piiriküla Koiva River, 19.06.1976, 1 ex., grass floating in a river, sifting. (VS/VS).

Anotylus politus (Erichson, 1840). Pikasilla, 58°04'/26°02', 30.05.2010, 8 ex., field verge, old manure, sifting. (UR/UR).

Stenus longipes Heer, 1839. Taheva Koiva River, 14.06.1995, 1 ex., river bank, on the mud. Koivakonnu, 57°35'/26°19', 21.05.2011, 1 ex., river bank, on sand. Koivakonnu, 57°35'/26°19', 25.06.2011, 3 ex., river bank, on sand. Koivakonnu, 57°35'/26°19', 08.06.2012, 3 ex., river bank, on sand. (UR/UR).

Stenus aterrimus Erichson, 1839. (Fig. 2). Pillapalu, 59°20'/25°38', 19.05.2013, 1 ex., on a forest road. (UR/UR).

Stenus proditor Erichson, 1839. Tallinn Lake Ülemiste, 30.10.1950, 2 ex., lake shore, bushes, sifting. Tallinn Lake Ülemiste, 14.06.1951, 1 ex., lake shore, debris, sifting. Sõmerpalu, 14.06.1953, 1 ex., lake shore, on mud. Tallinn Lake Ülemiste, 08.04.1961, 2 ex., lake shore, debris, sifting. Tallinn Lake Ülemiste, 14.09.1962, 1 ex., Kurna stream bank, bushes, sifting. Tallinn Lake Ülemiste, 11.05.1969, 1 ex., lake shore, debris, sifting. (VS/VS). Aegviidu Mustjõe, 20.04.1988, 1 ex., mixed forest, sifting. Keila-Joa, 09.03.1990, 1 ex., seashore, debris, sifting. Kasari, 58°43'/23°59', 11.04.2010, 1 ex., river bank, debris, sifting. (UR/UR).



Fig. 2. *Stenus aterrimus* Erichson, 1839.

Stenus ruralis Erichson, 1840. Gorodenka Narva River, 29.06.1995, 1 ex., river bank, washed. Koivakonnu 57°35'/26°19', 11.06.2011, 3 ex., river bank, on sand. Koivakonnu 57°35'/26°19', 08.06.2012, 4 ex., river bank, on sand. (UR/UR).

Stenus melanopus (Marsham, 1802). Stroomi, 59°26'/24°40', 14.05.2015, 14 ex., seashore, debris, sifting. (UR/UR).

Stenus pumilio Erichson, 1839. Pikasilla, 58°05'/26°20', 12.07.2009, 1 ex., floodplain, netting from grass. (UR/UR).

Stenus glabellus Thomson, 1870. Laeva Palupõhja, 58°25'/26°14', 01.05.2010, 1 ex., river bank, debris, sifting. Laeva Palupõhja, 58°25'/26°14', 15.05.2010, 1 ex., river bank, debris, sifting. Nina, 58°36'/27°12', 16.05.2010, 1 ex., lake shore, under reed debris. Kalli River, 58°24'/27°14', 27.05.2012, 1 ex., river bank, netting from grass. Smolnitsa, 50°00'/27°36', 21.06.2012, 1 ex., lake shore, under debris. (UR/UR).

Stenus eumerus Kiesenwetter, 1850. Vaibla, 58°24'/26°03', 01.05.2014, 1 ex., lake shore, debris, sifting. (UR/UR).

Stenus scabriculus J.Sahlberg, 1876. Tallinn Lake Ülemiste, 12.06.1955, 1 ex., lake shore, debris, sifting. (VS/VS).

Stenus intermedius Rey, 1884. Tallinn Mõigu, 09.10.1949, 1 ex., ditch verges, bushes, sifting. Aegviidu Mustjõe, 06.11.1950, 1 ex., river bank, sifting. Tallinn Haabersti, 12.04.1953, 2 ex., field, compost, sifting. Rannamõisa, 14.05.1961, 1 ex., seashore, seaweed, sifting. Vääna-Jõesuu, 21.08.1961, 1 ex., seashore, debris, sifting. Laanemetsa Koiva River, 30.06.1963, 1 ex., forest edge, pitfall trap. Tallinn Mähe, 29.09.1963, 1 ex., meadow, old hay, sifting. Kuimetsa, 27.10.1963, 1 ex., garden, rotten rye, sifting. (VS/VS). Orajõe, 28.04.1991, 1 ex., seashore, seaweed, sifting. Paldiski Laoküla, 01.11.1993, 1 ex., seashore, debris, sifting. Orajõe, 57°56'/24°26', 01.06.1995, 1 ex., seashore, on sand. Kloogaranna, 14.07.1998, 2 ex., seashore, sea debris. Nina, 58°36'/27°13', 22.08.2002, 2 ex., lake shore, debris. Mäksa, 58°22'/26°59', 06.09.2002, 1 ex., river bank, debris, sifting. (UR/UR).

Stenus fulvicornis Stephens, 1833. Kehra, 11.09.1949, 1 ex., stream bank, on rocks. Tallinn Rocca al Mare, 13.07.1953, 1 ex., seashore, in the evening, netting from grass. Tallinn Veskimägi, 11.09.1955, 1 ex., forest edge, netting from grass. Kiisa, 22.04.1957, 1 ex., haystack, sifting. Aegviidu, 27.09.1959, 2 ex., haystack, sifting. Mustjõe Jänijõe, 26.08.1961, 1 ex., floodplain, haystack, sifting. Risti Metsa railway station, 07.11.1961, 3 ex., forest edge, haystack, sifting. (VS/VS). Toila, 14.10.1989, 2 ex., seashore, sifting. Tallinn Saue, 07.04.1987, 1 ex., oak woods, plant litter, sifting. Tallinn Rocca al Mare, 01.10.1987, 2 ex., decaying grass, sifting. Tallinn Rocca al Mare, 19.01.1990, 1 ex., seashore, sifting. Lohu, 19.05.1991, 1 ex., river bank, debris, sifting. Tori, 01.06.1992, 1 ex., road verge, netting from grass. (UR/UR).

Stenus solutus Erichson, 1840. Pikasilla, 58°05'/26°04', 29.06.2009, 2 ex., floodplain, netting from grass. Laeva Palupõhja, 58°25'/26°14', 24.04.2010, 1 ex., river bank, debris, sifting. Vaibla Jõesuu, 58°23'/26°08', 20.05.2010, 1 ex., wet floodplain, netting from grass. Pikasilla, 58°05'/26°04', 30.05.2010, 2 ex., floodplain, netting from grass. Pikasilla,

58°05'/26°04', 16.07.2010, 1 ex., floodplain, netting from grass. Kolkja, 58°34'/27°13', 01.08.2010, 1 ex., river bank, netting from grass. (UR/UR).

Stenus kiesenwetteri Rosenhauer, 1856. (Fig. 3). Nina, 58°36'/27°12', 16.05.2010, 1 ex., lake shore, under litter. Keila 59°18'/24°26', 20.04.2013, 1 ex., river bank, flood, in a willow thicket. (UR/UR).

Stenus fornicatus Stephens, 1833. Kavastu, 58°23'/27°06', 01.07.2011, 2 ex., river bank, netting from grass. Ahunapalu, 58°20'/27°16', 27.08.2011, 1 ex., fen edge, netting from grass. Lindi, 58°18'/24°15', 04.09.2011, 1 ex., fen, netting from grass. Pikasilla, 58°05'/26°04', 25.09.2011, 1 ex., floodplain, netting from grass. Vaitka, 57°41'/26°11', 20.05.2012, 1 ex., oak woods, meander scar margin, netting from grass. Ihaste, 58°21'/26°45', 26.05.2012, 1 ex., floodplain, netting from grass. Kärevere, 58°24'/26°28', 27.05.2012, 1 ex., floodplain, netting from grass. (UR/UR).

Paederus brevipennis Lacordaire, 1835. Tallinn Kose, 30.11.1951, 2 ex., mixed forest, bushes, sifting. Keila Ohtu, 04.09.1952, 1 ex., oak woods, litter, sifting. Tallinn Mähe, 29.09.1963, 2 ex., meadow, old grass, sifting. Lohu, 06.10.1963, 2 ex., mixed forest, litter, sifting. Pikasilla, 28.08.1966, 1 ex., river bank, debris, sifting. (VS/VS). Pärnu, 58°22'/24°36', 02.07.1983, 1 ex., seashore, under a rock. Mähe, 59°30'/24°52', 07.04.1984, 1 ex., klint foot, mixed forest, sifting. Mähe, 59°30'/24°52', 14.04.1986, 1 ex., klint foot, mixed forest, sifting. Saue, 59°19'/24°33', 07.04.1987, 4 ex., oak woods, sifting. Mähe, 59°30'/24°52', 12.12.1991, 1 ex., klint foot, mixed forest, sifting. (UR/UR).

Astenus procerus (Gravenhorst, 1806). Pillapalu, 59°22'/25°43', 05.06.1996, 1 ex., sands, under timber. (UR/UR).

Medon apicalis (Kraatz, 1857). Aegviidu, 59°18'/25°36', 19.05.2013, 2 ex., timber storage yard, in the evening, in flight. (UR/UR).

Pseudomedon obsoletus (Nordmann, 1837). Võrtsjärv Vaibla, 11.06.1968, 8 ex., lake shore, debris, sifting. (VS/VS). Aegviidu Pillapalu, 09.07.1994, 1 ex., sands, under timber. (UR/UR).

Pseudomedon obscurellus (Erichson, 1840). Mähe, 59°30'/24°52', 24.05.1992, 1 ex., klint, mixed forest, in flight. (UR/UR).

Lithocharis ochracea (Gravenhorst, 1802). Tallinn Haabersti, 12.04.1953, 4 ex., field, compost, sifting. Valingu, 12.11.1961, 1 ex., mixed forest, litter, sifting. Kuimetsa, 27.10.1963, 2 ex., garden, old grass, sifting. Pikasilla, 28.08.1966, 1 ex., barn, sifting. (VS/VS). Tõhela, 58°26'/24°00', 23.07.1996, 4 ex., garden, dung, sifting. Tallinn Tihase street, 15.10.1998, 2 ex., garden, compost, sifting. Alam-Pedja Valmassaare, 03.07.1998, 1 ex., road verge, on firewood. Tallinn, 59°25'/24°43', 29.07.1999, 1 ex., garden, compost, sifting. (UR/UR).

Xantholinus dissimilis Coiffait, 1956. Tallinn Kose, 24.04.1949, 1 ex., klint foot, mixed forest, litter, sifting. Sõmerpalu, 16.06.1963, 1 ex., park, netting from grass. Saaremaa Sauaru, 06.06.1962, 1 ex., forest edge, pitfall trap. Saaremaa Sauaru, 07.06.1962, 1 ex., forest



Fig. 3. *Stenus kiesenwetteri* Rosenhauer, 1856.

edge, pitfall trap. (VS/H.Haberman). Laelatu, 05.04.1991, 1 ex., seashore, reeds, sifting. Kanaküla Riimaru, 12.07.1992, 1 ex., mixed forest, under pine bark. (UR/UR).

Gabrius astutus (Erichson, 1840). Tabina, 57°49'/27°17', 18.08.2013, 1 ex., sand quarry, human manure. (UR/UR).

Philonthus discoideus (Gravenhorst, 1802). Tallinn Muuga, 06.08.1982, 1 ex., garden, compost, sifting. (VS/VS).

Philonthus spinipes Sharp, 1874. Taheva, 57°36'/26°20', 06.10.2013, 1 ex., garden, dung, sifting. (UR/UR).

Philonthus rufipes (Stephens, 1832). Taebala, 13.10.1953, 1 ex., mixed oak forest, litter, sifting. (VS/H.Haberman).

Philonthus coprophilus Jarrige, 1949. Taheva, 57°36'/26°20', 30.08.2014, 1 ex., garden, dung, sifting. (UR/UR).

Tasgius winkleri (Bernhauer, 1906). Sõtke, 58°53'/24°22', 01.09.-29.09.2012, 1 ex., clear cut area, pitfall trap. (UR/UR).

Heterothops niger Kraatz, 1868. Kasari, 06.04.1994, 4 ex., river bank. Rõude, 58°46'/23°53', 11.04.2010, 1 ex., river bank, debris, sifting. Keila, 59°18'/24°26', 23.04.2013, 3 ex., river bank, flood, in a willow thicket. (UR/UR).

Quedius cruentus (Olivier, 1795). Kilingi-Nõmme Kalita, 26.05.1946, 1 ex., mixed forest, birch snag, on fungi. Antsla Annemõisa, 12.06.1953, 1 ex., mixed forest, broken aspen, under bark. Tallinn Haabersti, 10.07.1953, 2 ex., field, compost, sifting. Leevi, 11.06.1961, 2 ex., park, on fungi. Keeni, 06.06.1976, 1 ex., field, old grass, sifting. (VS/VS). Karinõmme, 58°37'/23°59', 08.06.1986, 1 ex., under bark. Sausti, 59°20'/24°47', 03.02.1990, 1 ex., old grass, sifting. Mähe, 59°30'/24°52', 24.05.1992, 2 ex., on cow bones. Taheva Koiva River, 18.07.1995, 4 ex., river bank, on sand. (UR/UR).

Quedius puncticollis Thomson, 1867. Tallinn Mähe, 02.05.1967, 1 ex., mixed forest, litter, sifting. Keila, 15.11.1967, 1 ex., meadow, in a mole nest. Tallinn Iru, 04.12.1967, 1 ex., meadow, in a mole nest. Keila, 06.11.1968, 1 ex., meadow, in a mole nest. Saaremaa Aste, 27.06.1979, 1 ex., field verge, old straw, sifting. (VS/VS). Muuksi, 59°31'/25°29', 09.05.1989, 1 ex., klint foot, on ground. Tallinn Jüri, 59°21'/25°00', 20.04.2010, 1 ex., in a mole nest, sifting. (UR/UR).

Quedius vexans Eppelsheim, 1881. Aegviidu Mustjõe, 08.11.1978, 1 ex., meadow, in a mole nest. Tallinn Mõigu, 22.11.1981, 3 ex., meadow, in a mole nest. (VS/VS). Abruka, 58°09'/22°30', 01.06.1994, 1 ex., mixed forest, on fungi. Laulasmaa, 59°22'/24°14', 20.09.2012, 1 ex., seashore, under timber. (UR/UR).

Quedius persimilis Mulsant & Rey, 1876. Marana, 58°10'/24°56', 06.04.-07.06.2014, 1 ex., mixed forest, aspen snag, window trap. (UR/UR).

SCARABAEIDAE Latreille, 1802

Aegialia rufa (Fabricius, 1792). Laanemetsa, 57°37'/26°14', 07.06.2008, 1 ex., river bank, netting from grass. (UR/UR).

Aphodius lapponum Gyllenhal, 1806. Taheva, 57°36'/26°20', 31.08.2013, 1 ex., garden, dung, sifting. (UR/UR).

SCIRTIDAE Fleming, 1821

Cyphon hilaris Nyholm, 1944. Apnasaare, 58°20'/27°16', 11.08.-04.09.2012, 8 ex., mixed forest, birch with fungi, window trap. (UR/UR).

Scirtes orbicularis (Panzer, 1793). Koikküla, 57°41'/26°16', 12.06.2011, 1 ex., pond margin, netting from grass. (UR/UR).

BUPRESTIDAE Leach, 1815

Anthaxia godeti Gory & Laporte, 1839. Palivere, 58°57'/23°54', 12.06.2013, 1 ex., forest edge, netting from grass. Ähijärv, 57°43'/26°29', 10.06.2014, 1 ex., forest edge, netting from grass. (UR/UR).

Agrilus convexicollis Redtenbacher, 1849. Kabli Mõisaküla, 29.06.1969, 1 ex., clear cut area, netting from grass. Meleski Pedja River, 10.07.1971, 1 ex., meadow, netting from grass. Asuja, 26.06.1974, 1 ex., forest edge, netting from grass and thickets. Asuja, 01.07.1974, 2 ex., forest edge, netting from grass and thickets. Surju, 12.07.1974, 1 ex., park, netting from grass. (VS/VS). Orajõe, 57°56'/24°26', 23.06.2007, 1 ex., clear cut area, netting from grass and thickets. Vaitka, 57°41'/26°11', 01.08.2011, 1 ex., oak woods, netting from the willow thickets. Kalli, 58°32'/24°04', 09.09.2012, 1 ex., meadow, netting from grass. (UR/UR).

Agrilus kaluganus Obenberger, 1940. (Fig. 4). Saue, 59°18'/24°32', 16.07.2015, 2 ex., 23.07.2015, 8 ex., edge of a meadow, netting from thickets. (UR/UR).

Agrilus auricollis Kiesenwetter, 1857. Nepste, 58°04'/24°40', 08.06.2014, 8 ex., mixed forest, fresh clear cut area, netting from grass. (UR/UR).

ELMIDAE Curtis, 1830

Limnius muelleri (Erichson, 1847). Vasalemma, 59°13'/24°18', 26.08.1982, 1 ex., a river, from water with a water net. (UR/UR).

Limnius opacus Müller, 1806. Vasalemma, 59°13'/24°18', 26.08.1982, 1 ex., a river, from water with a water net. (UR/UR).



Fig. 4. *Agrilus kaluganus* Obenberger, 1940.

HETEROCERIDAE MacLeay, 1825

Heterocerus fenestratus (Thunberg, 1784). Koikküla, 57°39'/26°14', 08.07.1982, 1 ex., river bank, on sand. Taheva, 57°36'/26°17', 25.07.1985, 1 ex., river bank, on sand. Koikküla, 57°39'/26°14', 28.06.1986, 2 ex., river bank, moistened sand. Surju, 58°14'/24°42', 21.06.1988, 1 ex., river bank, on muddy ground. (UR/UR).

Augyles intermedius (Kiesenwetter, 1843). Veriora Männisalu, 06.06.1961, 4 ex., stream bank, on muddy ground. Kanaküla Paleoja, 02.06.1964, 3 ex., stream bank, moistened sand. Roostoja, 19.06.1966, 1 ex., river bank, on muddy ground. (VS/VS). Alam-Pedja, 14.05.1997, 1 ex., on muddy ground. Saaremaa Vanamõisa, 13.06.1997, 1 ex., sand quarry, on sand. Alam-Pedja Madise, 07.07.1997, 1 ex., on muddy ground. Alam-Pedja Valmassaare, 21.07.1997, 1 ex., river bank, on ground. (UR/UR).

PSEPHENIDAE Lacordaire, 1854

Eubria palustris (Germar, 1818). Krabi Seveli, 26.06.1967, 6 ex., A swampy groove, netting from grass. (VS/VS).

EUCNEMIDAE Eschscholtz, 1829

Isorhipis melasoides (Laporte de Castelnau, 1845). Tali, 58°03'/24°47', 22.06.-24.08.2014, 1 ex., mixed forest, alder, window trap. (UR/UR).

Melasis buprestoides (Linnaeus, 1761). Jaama Feodori Forest, 59°02'/27°40', 11.05.-15.06.2013, 1 ex., burned forest edge, birch snag, window trap. Välgi, 58°34'/26°53', 04.05.-15.06.2014, 1 ex., mixed forest, aspen snag, window trap. (UR/UR).

Hylis foveicollis (Thomson, 1874). Kanaküla, 58°16'/25°10', 03.07.2010, 1 ex., mixed forest, netting from grass. Vaitka, 57°41'/26°11', 01.07.-27.07.2012, 2 ex., oak woods, dead willow, window trap. Kanaküla, 58°16'/25°10', 13.08.2013, 1 ex., mixed forest, netting from grass. (UR/UR).

THROSCIDAE Laporte de Castelnau, 1840

Aulonothroscus laticollis (Rybiński, 1897). Tudu, 59°10'/26°54', 08.05.-09.07.2011, 1 ex., clear cut area, dry aspen, window trap. Parmu, 57°35'/26°23', 15.06.-02.07.2012, 1 ex., mixed forest, birch with fungi, window trap. (UR/UR).

ELATERIDAE Leach, 1815

Negastrius arenicola (Boheman, 1854). Kaleste, 58°54'/22°07', 05.07.2014, 7 ex., seashore, on sand. (UR/UR).

Ampedus elegantulus (Schönherr, 1817). Vaitka, 57°41'/26°11', 09.06.-01.07.2012, 1 ex., oak woods, broken birch, window trap. Vaitka, 57°41'/26°11', 01.07.-27.07.2012, 1 ex., oak

woods, dead willow, window trap. Laanemetsa, 57°37'/26°15', 22.05.-22.06.2013, 2 ex., river bank, dead willow, window trap. (UR/UR).

CANTHARIDAE Imhoff, 1856 (1815)

Rhagonycha femoralis Brullé, 1832. Viljandi Sinialliku, 09.07.1971, 1 ex., forest edge, netting from grass. Põlva, 01.06.1975, 1 ex., forest edge, netting from grass. Põlva, 13.06.1975, 3 ex., forest edge, netting from grass. Põlva Tilleorg, 26.06.1975, 2 ex., forest edge, netting from grass. Vana-Koiola, 02.07.1975, 1 ex., forest edge, netting from grass. (VS/VS).

Malthodes debilis Kiesenwetter, 1852. Aegviidu Jänijõe, 23.07.1974, 1 ex., mixed forest, netting from grass. (VS/VS). Pillapalu, 59°22'/25°43', 04.07.1994, 1 ex., forest edge, netting from grass. (UR/UR).

Malthodes spretus Kiesenwetter, 1852. Rasina, 58°12'/27°23', 03.07.2010, 9 ex., forest road, netting from grass and thicket. (UR/UR).

BOSTRYCHIDAE Latreille, 1802

Lyctus linearis (Goeze, 1777). Saaremaa Võrsna, 09.07.1972, 1 ex., forest edge, on a pile of oak wood. (VS/VS). Koivakonnu, 57°35'/26°19', 21.05.2011, 6 ex., dry meadow, on a dry oak. Koivakonnu, 57°35'/26°19', 11.06.2011, 2 ex., dry meadow, on a dry oak. (UR/UR).

ANOBIIDAE Kirby, 1837

Ptinus sexpunctatus Panzer, 1789. Ämari, 59°16'/24°14', 16.06.1993, 1 ex., oak woods, light trapping. (U.Jürivete/ UR).

Episernus angulicollis Thomson, 1863. Kauksi, 58°59'/27°12', 22.06.2009, 1 ex., pine forest, netting from grass. (UR/UR).

Ernobius angusticollis (Ratzeburg, 1837). Tallinn Lasnamägi, 07.06.1949, 1 ex., old quarry, netting from grass. Kose, 20.05.1951, 1 ex., river bank, on a dry pine. Antsla Rimmi, 17.06.1953, 1 ex., mixed forest, netting from grass. Kilingi-Nõmme, 10.06.1954, 1 ex., pine forest margin, netting from grass. Alatskivi, 30.06.1955, 1 ex., park, netting from grass. Kiisa, 20.08.1965, 1 ex., clear cut area, netting from grass. Saaremaa Karujärv, 22.06.1968, 1 ex., clear cut area, netting from grass. (VS/VS).

Oligomerus brunneus (Olivier, 1790). Räpina Männisalu, 22.06.1958, 1 ex., in the evening, on a dry willow. (VS/VS). Rõuge, 57°43'/26°55', 27.06.2010, 1 ex., road verge, on an old willow with fungi. (UR/UR).

Hadrobregmus confusus (Kraatz, 1881). Sõmerpalu, 16.06.1953, 2 ex., a barn, on a log wall. Räpina Männisalu, 22.06.1958, 1 ex., in the evening, on a dry willow. Krabi Seveli,

02.06.1960, 1 ex., a farm, in a room. Veriora Pahtpää, 08.06.1961, 1 ex., in the evening, on a dry willow. Krabi Seveli, 20.06.1967, 1 ex., a farm, in a room. (VS/VS).

Dorcatoma minor Zahradnik, 1993. Kurtna, 59°14'/27°33', 15.06.-25.07.2013, 3 ex., mixed forest, birch with fungi, window trap. (UR/UR).

Caenocara bovistae (Hoffmann, 1803). Kanaküla Riimaru, 25.06.1954, 1 ex., clear cut area, on fungi. Saaremaa Üru, 01.07.1968, 1 ex., edge of a clear cut area, netting from grass. Räpina Toolamaa, 16.06.1975, 2 ex., coniferous forest margin, netting from grass. Räpina Toolamaa, 30.06.1975, 2 ex., coniferous forest margin, netting from grass. Häädemeeste Laiksaare, 05.07.1977, 1 ex., clear cut area, netting from grass. (VS/VS).

MALACHIIDAE Fleming, 1821

Ebaeus lapplandicus Evers, 1993. Tudu, 22.06.1966, 1 ex., meadow, netting from grass. Viljandi Parika, 13.06.1952, 1 ex., clear cut area, netting from grass. Räpina Toolamaa, 03.07.1975, 1 ex., clear cut area, netting from grass. Mooste, 04.07.1975, 2 ex., clear cut area, netting from grass. Kanaküla Riimaru, 08.07.1977, 1 ex., clear cut area, netting from grass. Tõrva Rulli, 11.07.1981, 1 ex., clear cut area, netting from grass. (VS/VS). Kanaküla, 58°16'/25°11', 06.06.1993, 1 ex., netting from grass. Taheva Koiva River, 18.07.1995, 1 ex., netting from grass. Endla, 58°52'/26°16', 24.07.2008, 1 ex., park, in flight. Järvselja, 58°16'/27°19', 23.07.2011, 1 ex., mixed forest, netting from grass. (UR/UR).

NITIDULIDAE Latreille, 1802

Carpophilus ligneus Murray, 1864. Reiu, 58°22'/24°36', 22.06.1991, 2 ex., forest edge, on a bone. (UR/UR).

Carpophilus marginellus Motschulsky, 1858. Mustjõe, 59°17'/25° 29', 20.06.-27.07.2015, 1 ex., freshly burned forest cut area, burned pine, window trap. (UR/UR).

Epuraea longula Erichson, 1845. Aegviidu Pillapalu, 17.05.1994, 1 ex. (UR/UR).

Epuraea longiclavis Sjöberg, 1939. Lindora, 57°49'/27°21', 23.06.2013, 1 ex., forest edge, netting from grass. (UR/UR).

Meligethes czwalinai Reitter, 1871. Palivere, 58°57'/23°54', 25.08.2012, 1 ex., forest edge, netting from grass. Koivakonnu, 57°35'/26°19', 22.05.2013, 1 ex., dry meadow, netting from grass. (UR/UR).

Meligethes brevis Sturm, 1845. Tallinn Iru, 59°27'/24°53', 27.05.2015, 3 ex., dry gravelly slope, netting from grass. (UR/UR).

Meligethes ovatus Sturm, 1845. Saue, 59°18'/24°33', 25.05.2010, 1 ex., meadow, netting from grass. Kalli, 58°32'/24°04', 09.09.2012, 1 ex., meadow, netting from grass. (UR/UR).

Meligethes submetallicus Sainte-Claire Deville, 1908. Kassari, 58°48'/22°52', 06.07.2014, 1 ex., seashore, netting from grass. (UR/UR).

Glischrochilus quadrisignatus (Say, 1835). Kiidjärve, 58°09'/27°02', 12.05.2013, 1 ex., clear cut area, birch stump, sifting. Obinitsa, 57°48'/27°27', 31.05.2013, 2 ex., clear cut area, birch stump. (UR/UR).

LAEMOPHLOEIDAE Ganglbauer, 1899

Cryptolestes weisei (Reitter, 1879). Aegviidu, Mustjõe, 19.09.1965, 1 ex., branches, shaken. (VS/UR). Kamba, 59°25'/25°38', 08.05.-05.08.2011, 1 ex., mixed forest, dry birch tree, window trap. (UR/UR).

CRYPTOPHAGIDAE Kirby, 1837

Telmatophilus brevicollis Aubé, 1862. Kärevere, 58°25'/26°30', 18.09.2011, 1 ex., river meadow, netting from grass. (UR/UR).

Micrambe woodroffei Johnson, 2007. Hagudi, 02.10.1993, 1 ex., park, leaf litter, sifting. (UR/UR).

Cryptophagus corticinus Thomson, 1863. Kiidjärve, 58°07'/27°00', 07.09.2010, 1 ex., mixed forest, on fungi. (UR/UR).

Cryptophagus cellaris (Scopoli, 1763). Kanaküla, 58°14'/25°09', 01.08.-12.08.2012, 2 ex., mixed forest, pitfall trap. (UR/UR).

Cryptophagus laticollis Lucas, 1846. Sõtke, 58°53'/24°22', 01.09.-29.09.2012, 1 ex., clear cut area, birch, window trap. (UR/UR).

Atomaria morio Kolenati, 1846. Kanaküla, 58°16'/25°10', 21.06.-10.07.2013, 1 ex., mixed forest, dry aspen, window trap. (UR/UR).

Atomaria clavigera Ganglbauer, 1899. Apnasaare, 58°20'/27°16', 05.05.-06.06.2012, 3 ex., mixed forest, dry rowan, window trap. (UR/UR).

Atomaria rhenonum Kraatz, 1853. Vaitka, 57°41'/26°14', 28.04.-20.05.2012, 1 ex., pine forest, dry pine, window trap. (UR/UR).

Atomaria affinis (F.Sahlberg, 1834). Tallinn Saue, 09.05.1943, 5 ex., oak woods, on a broken aspen. (VS/G.Miländer).

Atomaria wollastoni Sharp, 1867. Tallinn Mähe, 11.09.1968, 1 ex., klint, mixed forest, litter, sifting. (VS/G.Miländer). Haeska, 58°47'/23°39', 18.09.1997, 1 ex., seashore, debris, sifting. Haeska, 58°46'/23°39', 10.10.2009, 1 ex., seashore, reeds, sifting. (UR/UR).

Atomaria longicornis Thomson, 1863. Koikküla, 57°40'/26°14', 15.06.1985, 1 ex., road verge, netting from grass. Ahunapalu, 58°20'/27°15', 05.05.-06.06.2012, 1 ex., mixed forest, old birch snag, window trap. (UR/UR).

COCCINELLIDAE Latreille, 1807

Scymnus schmidtii Fürsch, 1958. Tallinn Rocca al Mare, 59°26'/24°38', 02.06.1989, 1 ex., netting from grass. (UR/UR).

Scymnus femoralis (Gyllenhal, 1827). Saue, 59°18'/24°32', 23.07.2015, 1 ex., edge of a meadow, netting from grass. (UR/UR).

Nephus quadrimaculatus (Herbst, 1783). Piusa, 57°50'/27°29', 12.07.-31.08.2014, 2 ex., forest edge, pitfall trap. (UR/UR).

CORYLOPHIDAE LeConte, 1852

Orthoperus punctatus Wankowicz, 1865. Tallinn Veskimägi, 13.04.1952, 1 ex., field, among potato stems, sifting. (VS/VS).

LATRIDIIDAE Erichson, 1842

Corticaria obscura Brisout de Barneville, 1863. Piiriküla Koiva River, 18.06.1976, 2 ex., meadow, barn floor, sifting. Tallinn Muuga, 12.06.1982, 2 ex., garden, old grass, sifting. (VS/VS).

Corticaria pietschi Ganglbauer, 1899. Koivakonnu, 57°35'/26°19', 24.06.-31.07.2011, 1 ex., oak woods, a dry oak, window trap. (UR/UR).

Corticaria fagi Wollaston, 1854. Vihterpalu, 59°13'/23°50', 14.09.1997, 1 ex., burned forest, under pine bark. (UR/UR).

CIIDAE Leach, 1819

Cis hansenii Strand, 1965. Kilingi-Nõmme Punapargi, 12.05.1946, 1 ex., mixed forest, spruce stump, on fungi. (VS/VS). Abruca, 58°08'/22°30', 16.07.1992, 3 ex., mixed forest, on fungi. Parmu, 57°35'/26°23', 15.06.-02.07.2012, 1 ex., mixed forest, birch with fungi, window trap. Vaitka, 57°40'/26°12', 01.07.-27.07.2012, 1 ex., meadow, birch snag, window trap. Vaitka, 57°40'/26°12', 01.07.-27.07.2012, 1 ex., mixed forest, dry pine, window trap. Vaitka, 57°41'/26°11', 01.07.-27.07.2012, 1 ex., oxbow lake margin, pitfall trap. Sõtke, 58°53'/24°22', 01.09.-29.09.2012, 1 ex., edge of a clearcut area, alder, window trap. (UR/UR).

Cis striatulus Mellié, 1848. Koivakonnu, 57°35'/26°19', 21.05.-24.06.2011, 1 ex., forest edge, dry birch tree, window trap. (UR/UR).

Cis villosulus (Marsham, 1802). Rakvere, 04.06.1950, 1 ex., mixed forest, birch snag, on fungi. (VS/VS).

Cis rugulosus Mellié, 1848. Asuja, 58°06'/24°40', 01.07.2004, 1 ex., forest edge, birch with fungi. Vaitka, 57°40'/26°12', 09.06.-01.07.2012, 2 ex., meadow, single old birch snag, window trap. (UR/UR).

Cis fagi Waltl, 1839. Kõpu, 58°55'/22°12', 02.06.2011, 1 ex., forest edge, netting from grass. Vaitka, 57°41'/26°12', 01.07.-27.07.2012, 1 ex., mixed forest, coarse dry pine, window trap. (UR/UR).

Cis fusciclavis Nyholm, 1954. Mustjõe Jänijõe, 29.04.1967, 1 ex., mixed forest, litter, sifting. Linnamäe Mõisaküla, 20.05.1968, 1 ex., marshy mixed forest, sifting. (VS/VS). Kauksi, 58°59'/27°12', 08.05.2011, 1 ex., pine forest, under pine bark. Vaitka, 57°41'/26°11', 20.05.-09.06.2012, 1 ex., oak woods, dry oak, window trap. (UR/UR).

Cis vestitus Mellié, 1848. Tallinn Saue, 16.09.1951, 1 ex., oak woods, bushes, litter, sifting. Tallinn Iru, 20.04.1952, 3 ex., gravel mound, bushes, litter, sifting. Matsalu Puise, 27.04.1970, 1 ex., oak woods, litter, sifting. Rakvere Vinni, 11.11.1975, 1 ex., oak woods, leaf litter, sifting. (VS/VS). Märjamaa Kükita, 18.12.1997, 1 ex., forest edge, anthill, sifting. Lake Ülemiste, 59°23'/24°46', 28.05.2009, 1 ex., mixed forest, birch with fungi. Vaitka, 57°41'/26°11', 24.05.-01.08.2011, 1 ex., oak woods, a large dead oak, window trap. (UR/UR).

Orthocis lucasi (Abeille de Perrin, 1874). Vaitka, 57°41'/26°12', 22.04.-20.05.2012, 1 ex., meadow, old birch snag, window trap. (UR/UR).

MELANDRYIDAE Leach, 1815

Orchesia fusiformis Solsky, 1871. Agali, 58°17'/27°15', 10.08.-03.09.2012, 1 ex., mixed forest, dead rowan, window trap. Massiaru, 57°59'/24°31', 01.09.-30.09.2012, 1 ex., mixed forest, dead alder, window trap. Vaitka, 57°41'/26°12', 01.09.-04.10.2012, 1 ex., mixed forest, thick dead pine, window trap. (UR/UR).

MORDELLIDAE Latreille, 1802

Variimorda basalis (Costa, 1854). Koivakonnu, 57°35'/26°19', 25.06.2011, 1 ex., oak woods, in the evening, from grass. (UR/UR).

Variimorda mendax (Méquignon, 1946). Koivakonnu, 57°35'/26°19', 25.06.2011, 10 ex., oak woods, in the evening, from grass. (UR/UR).

Mordella brachyura Mulsant, 1856. Palivere, 58°57'/23°54', 19.06.2013, 1 ex., forest edge, netting from grass. (UR/UR).

Mordella viridescens Costa, 1858. Vasknarva, 58°59'/27°43', 21.06.2015, 1 ex., forest edge, netting from grass. (UR/UR).

Mordellistena pseudoparvula Ermisch, 1956. Paldiski, 59°22'/24°02', 06.06.2013, 1 ex., limestone grassland, netting from grass. (UR/UR).

Mordellistena stenidea Mulsant, 1856. Elva, 58°10'/26°25', 09.07.2011, 1 ex., mixed forest, netting from grass. (UR/UR).

Mordellistena luteipalpis Schilsky, 1895. Elva, 58°10'/26°25', 09.07.2011, 1 ex., mixed forest, netting from grass. (UR/UR).

Mordellistena stoeckleini Ermisch, 1956. Hargla, 57°36'/26°24', 09.06.2014, 1 ex., forest edge, netting from grass. (UR/UR).

ZOPHERIDAE Solier, 1834

Colyidium elongatum (Fabricius, 1787). Vaitka, 57°41'/26°11', 05.06.2010, 2 ex., oak woods, on a dry oak. Vaitka, 57°41'/26°11', 27.06.2010, 1 ex., oak woods, on a dry oak. Vaitka, 57°41'/26°11', 23.07.2010, 2 ex., oak woods, on a dry oak. Vaitka, 57°41'/26°11', 24.07.2010, 1 ex., oak woods, on a dry oak. (UR/UR).

Colyidium filiforme Fabricius, 1792. Vaitka, 57°41'/26°11', 12.06.2011, 4 ex., oak woods, on a dry oak. Vaitka, 57°41'/26°11', 26.06.2011, 4 ex., oak woods, on a dry oak. (UR/UR).

TENEBRIONIDAE Latreille, 1802

Cynaesus angustus (LeConte, 1851). Aegviidu, 59°17'/25°36', 31.10.1999, 1 ex., timber storage yard, aspen log, under bark. Pääsküla, 59°22'/24°37', 18.05.2000, 1 ex., light trap. (A. Lindt /UR). Aegviidu, 59°18'/25°36', 08.09.2013, 1 ex., sawmill, bark debris, sifting. (UR/UR).

Myrmechixenus vaporariorum Guérin-Ménéville, 1843. Taheva, 57°36'/26°20', 31.08.2013, 1 ex., garden, animal dung, sifting. (UR/UR).

Allecula morio (Fabricius, 1787). Leevi, 57°57'/27°12', 28.06.2010, 1 ex., park, on fungi. (UR/UR).

Omopplus pubescens (Linnaeus, 1758). Saaremaa Mõntu, 22.06.1972, 2 ex., edge of a pine forest, netting from a willow thicket and 1 ex., park, netting from grass. Saaremaa Mõntu, 24.06.1972, 5 ex., park, netting from grass. (VS/VS).

ADERIDAE Winkler, 1927

Euglenes oculatus (Paykull, 1798). Saku, 27.08.1965, 1 ex., edge of a pine stand, netting from grass (VS/ UR). Tartu, 01.08.1994, 1 ex., garden, DRL-250W (J. Luig / UR). Jaama Feodori Forest, 59°02'/27°40', 21.06.-06.07.2012, 1 ex., old burned forest, birch snag, window trap. Kurtna, 59°14'/27°33', 15.06.-25.07.2013, 5 ex., old burned forest, birch snag, window trap. (UR/UR).

Otolelus pruinosis (Kiesenwetter, 1861). Kabli Mõisaküla, 20.06.1969, 1 ex., clear cut area, netting from grass (VS/ UR). Jaama Feodori Forest, 59°02'/27°40', 27.04. -28.06.2014, 1 ex., old burned forest, dead birch, window trap. (UR/UR).

CERAMBYCIDAE Latreille, 1802

Agapanthia intermedia Ganglbauer, 1884. (Fig. 5). Parmu, 57°31'/27°20', 31.05.2014, 1 ex., forest edge, netting from grass. (UR/UR, A. Barševskis). Hargla, 57°36'/26°24', 13.06.2014, 1 ex., forest edge, netting from grass. (M. Vool/UR) and 1 ex., forest edge, netting from grass. (UR/UR).

CHRYSOMELIDAE Latreille, 1802

Donacia brevitarsis Thomson, 1884. Laanemetsa Koiva River, 13.06.1976, 1 ex., pond shore, netting from grass. (VS/VS). Koivakonnu, 57°35'/26°19', 01.05.2012, 1 ex., meadow, netting from grass. Koivakonnu, 57°35'/26°19', 19.05.2012, 2 ex., meadow, meander scar, netting from grass. Koivakonnu, 57°35'/26°19', 08.06.2012, 1 ex., meadow, netting from grass. (UR/UR).

Labidostomis lepida Lefèvre, 1872. Keava, 58°58'/24°57', 19.06.2010, 5 ex., gravel pit, in a willow thicket. (UR/UR).

Labidostomis cyanicornis (Germar, 1822). Leevaku Vöhandu River, 13.06.1961, 3 ex., river bank, netting from grass. Vastseliina, 09.06.1970, 1 ex., gravel mound, netting from grass. Vastseliina, 20.06.1970, 4 ex., gravel mound, netting from grass. (VS/VS). Lääniste, 58°16'/27°08', 23.07.2011, 1 ex., river bank, netting from grass. Pikakannu, 57°52'/27°14', 01.07.2013, 1 ex., clear cut area, netting from grass. (UR/UR).

Cryptocephalus vittatus Fabricius, 1775. Krabi Seveli, 18.06.1967, 2 ex., Piirioja river bank, netting from grass. Krabi Kikkajärv, 19.06.1967, 2 ex., netting from grass. Krabi Seveli, 20.06.1967, 1 ex., Piirioja river bank, netting from grass. Krabi Seveli, 26.06.1967, 1 ex., Piirioja river bank, netting from grass. Tohkre Kütiorg, 25.06.1970, 1 ex., gravel mound, netting from grass. (VS/VS).

Cryptocephalus janthinus Germar, 1824. Jaama Feodori Forest, 59°02'/27°40', 21.06.2012, 1 ex., old burned forest, a willow thicket, netting. Kurtna, 59°18'/27°33', 14.07.2012, 1 ex., old burned forest, a willow thicket, netting. (UR/UR).

Aphthona pallida (Bach, 1859). Riisipere, 04.09.1949, 1 ex., field verge, netting from grass. (VS/VS). Ülgase, 59°29'/25°06', 20.08.2009, 1 ex., limestone grassland, netting from grass. (UR/UR).

Aphthona atrocaerulea (Stephens, 1831). Saue, 59°18'/24°35', 26.05.2011, 1 ex., meadow, netting from grass. Mõisamõtsa, 57°34'/26°39', 12.08.2012, 2 ex., meadow, netting from grass. (UR/UR).

Longitarsus symphyti Heikertinger, 1912. Jõesuu, 58°23'/26°07', 13.08.2011, 6 ex., river meadow, netting from grass. Jõesuu, 58°23'/26°07', 25.09.2011, 4 ex., river meadow, netting from grass. (UR/UR).

Longitarsus nigrofasciatus (Goeze, 1777). Loode, 58°14'/22°26', 08.06.2009, 1 ex., oak woods, netting from grass and willow thickets. (UR/UR).



Fig. 5. *Agapanthia intermedia* Ganglbauer, 1884.

Longitarsus ballotae (Marsham, 1802). Paldiski, 59°22'/24°02', 25.08.2013, 1 ex., road verge, netting from grass. (UR/UR).

Longitarsus ganglbaueri Heikertinger, 1912. Paldiski, 59°22'/24°02', 25.08.2013, 1 ex., road verge, netting from grass. (UR/UR).

Longitarsus fulgens (Foudras, 1860). Karula, 57°44'/26°18', 18.05.2012, 1 ex., dry meadow, netting from grass. Vaitka, 57°41'/26°11', 20.05.-09.06.2012, 1 ex., oak woods, a dead willow, window trap. (UR/UR).

Longitarsus minusculus (Foudras, 1860). Ülgase, 59°29'/25°06', 20.08.2009, 1 ex., limestone grassland, netting from grass. (UR/UR).

Longitarsus absynthii Kutschera, 1862. Klooga, 59°19'/24°16', 28.05.2013, 3 ex., 04.06.2013, 2 ex., forest edge, netting from grass, Paldiski. 59°22'/24°02', 06.06.2013, 3 ex., limestone grassland, netting from grass. (UR/UR).

Altica lythri Aubé, 1843. Keila, 59°18'/24°26', 10.03.1995, 1 ex., river bank, river debris, sifting. (UR/UR).

Altica carinthiaca Weise, 1888. Valingu, 59°19'/24°29', 06.09.1999, 1 ex., old grass, sifting. Koivakonnu, 57°35'/26°19', 30.06.2012, 1 ex., meander scar margin, in the evening, netting from grass. Mõisamõtsa, 57°34'/26°39', 12.08.2012, 2 ex., meadow, netting from grass. Vorobi, 57°50'/27°38', 01.06.2013, 2 ex., forest edge, netting from grass. (UR/UR).

Neocrepidodera interpunctata (Motschulsky, 1859). Emajõe Suursoo, 58°21'/27°16', 15.07.2007, 1 ex., fen edge, netting from grass. Lasnamäe, 59°27'/24°49', 13.08.2009, 2 ex., limestone, under litter. Sviby, 58°59'/23°17', 28.08.2009, 3 ex., road verge, netting from grass. Hullo, 58°59'/23°15', 28.08.2009, 1 ex., forest glade, netting from grass. Koivakonnu, 57°35'/26°19', 25.06.2011, 1 ex., oak woods, netting from grass. (UR/UR).

Neocrepidodera crassicornis (Faldermann, 1837). Vihtra, 58°34'/25°00', 20.07.1991, 1 ex., netting from grass. Asuja, 58°05'/24°41', 23.07.1991, 1 ex., netting from grass. Emajõe Suursoo, 16.07.1996, 1 ex., netting from grass. Valmassaare, 08.07.1998, 4 ex., floodplain, netting from grass. (UR/UR).

Chaetocnema breviscula (Faldermann, 1837). Risti Metsa, 59°01'/24°06', 20.07.2010, 1 ex., forest road, netting from a willow thicket. Koivakonnu, 57°35'/26°19', 01.05.2012, 1 ex., meadow, netting from grass. (UR/UR).

Chaetocnema arida Foudras, 1860. Nina, 58°36'/27°12', 25.07.2010, 1 ex., lake shore, under litter. (UR/UR).

Chaetocnema subcoerulea (Kutschera, 1864). Kurtna, 59°15'/24°44', 11.07.2010, 1 ex., meadow, netting from grass. (UR/UR).

Psylliodes picinus (Marsham, 1802). Tallinn Lake Harku, 01.10.1950, 1 ex., lake shore, sifting. Kasari, 08.04.1968, 1 ex., river bank, debris, sifting. Kasari, 14.04.1971, 4 ex., river bank, debris, sifting. (VS/VS). Kasari, 10.04.1995, 2 ex., river debris, sifting. Kasari, 28.04.1997, 1 ex., road verge, under a rock. Keila, 59°18'/24°26', 02.04.1999, 2 ex., river bank, debris, sifting. Kasari, 58°44'/23°59', 20.04.1999, 1 ex., river bank, debris, sifting.

Orajõe, 57°56'/24°26', 23.06.2007, 1 ex., clear cut area, netting from grass and willow thickets. Vaitka, 57°41'/26°11', 28.06.2009, 1 ex., dry grassland, netting from grass. (UR/UR).

Psylliodes attenuatus (Koch, 1803). Kurtna, 59°15'/24°44', 11.07.2010, 1 ex., meadow, netting from grass. (UR/UR).

Psylliodes cupreatus (Duftschmid, 1825). Sindi, 58°24'/24°39', 02.04.2010, 2 ex., flooded floodplain, in a willow thicket. (UR/UR).

Pilemostoma fastuosa (Schaller, 1783). Laelatu, 05.04.1991, 4 ex., seashore, reeds, sifting. (UR/UR).

Cassida stigmatica Suffrian, 1844. Harku, 59°24'/24°35', 28.08.1992, 1 ex., limestone, netting from grass. Vaitka, 57°41'/26°11', 09.06.2012, 5 ex., river bank, netting from grass. (UR/UR).

Cassida margaritacea Schaller, 1783. Laiksaare, 05.07.1977, 2 ex., clear cut area, netting from grass. (VS/VS). Vaitka, 57°41'/26°12', 27.06.2010, 3 ex., dry grassland, netting from grass. Vaitka, 57°41'/26°12', 24.07.2010, 1 ex., dry grassland, netting from grass. Vaitka, 57°41'/26°12', 26.06.2011, 1 ex., dry grassland, netting from grass. (UR/UR).

Bruchus affinis Frölich, 1799. Lindi, 58°21'/24°11', 04.09.2011, 2 ex., gravel quarry, netting from grass. (UR/UR).

ANTHRIBIDAE Billberg, 1820

Choragus horni Wolfrum, 1930. Palupõhja, 58°25'/26°14', 30.06-17.07.2011, 1 ex., riverbank, jar trap. Kavastu, 58°23'/27°06', 01.07.2011, 2 ex., riverbank, netting from grass. Jõesuu, 58°23'/26°07', 01.07.2011, 1 ex., lake shore, from grass. (UR/UR).

ATTELABIDAE Billberg, 1820

Apoderus erythropterus (Gmelin, 1790). Mooste, 27.06.1956, 1 ex., lake shore, netting from a willow thicket. (VS/VS). Värskä, 57°58'/27°36', 26.06.2001, 1 ex., forest edge, netting from grass and willow thickets. Tabina, 57°48'/27°18', 31.05.2008, 1 ex., river bank, netting from grass. Pikasilla, 58°05'/26°04', 30.05.2010, 1 ex., floodplain, netting from grass. (UR/UR).

APIONIDAE Schönherr, 1823

Apion origani Planet, 1918. Saue, 59°18'/24°32', 04.09.2014, 2 ex., meadow, netting from grass. (UR/UR).

Apion interjectum Desbrochers des Loges, 1895. Klooga, 59°19'/24°16', 28.05.2013, 1 ex., forest edge, netting from grass. (UR/UR).

Apion brevirostre Herbst, 1797. Lutepää, 57°55'/27°42', 25.05.2014, 1 ex., meadow, netting from grass. Kalita, 58°04'/24°51', 07.06.2014, 1 ex., forest edge, netting from grass. (UR/UR).

Apion oblongum Gyllenhal, 1827. Lutepää, 57°55'/27°42', 01.06.2013, 3 ex., dry grassland, netting from grass. (UR/UR).

Apion pullum Gyllenhal, 1833. Rumpo, 58°58'/23°15', 04.08.2014, 1 road verge, netting from grass. (UR/UR).

Apion dimidiatum Desbrochers des Loges, 1897. Saatse, 57°52'/27°45', 01.06.2013, 1 ex., dry grassland, netting from grass. (UR/UR).

Apion melanholicum Germar, 1824. Laeva, 58°29'/26°27', 15.10.2011, 1 ex., mixed forest, forest litter, sifting. Palivere, 58°57'/23°54', 25.08.2012, 1 ex., forest edge, netting from grass. (UR/UR).

Nanophyes globiformis Kiesenwetter, 1864. Koivakonu, 57°35'/26°20', 21.06.2013, 1 ex., meadow, in the evening, netting from grass. (UR/UR).

CURCULIONIDAE Latreille, 1802

Otiorhynchus hungaricus Germar, 1824. Tallinn Lasnamäe, 59°27'/24°48', 10.06.2003, 1 ex., from grass. (A.Lindt/UR). Tallinn Lasnamäe, 59°27'/24°48', 13.06.2003, 3 ex., limestone grassland, netting from grass. (UR/G.Miländer). Tallinn Lasnamäe, 59°27'/24°48', 13.06.2003, 1 ex., limestone grassland, netting from grass. (UR/Yumakov). Tallinn Lasnamäe, 59°27'/24°48', 13.06.2003, 1 ex., limestone grassland, netting from grass. (UR/UR).

Smicronyx jungermanniae (Reich, 1797). Tabina, 57°49'/27°17', 31.05.2013, 1 ex., forest edge, netting from grass. (UR/UR).

Smicronyx smreczynskii Solari, 1952. Puhtu, 58°33'/23°33', 24.08.2007, 1 ex., forest edge, netting from grass. (UR/UR).

Tychius schneideri (Herbst, 1795). Vorobi, 57°50'/27°38', 01.06.2013, 1 ex., forest edge, netting from grass. Elva, 58°14'/26°24', 30.08.2013, 1 ex., dry slope, netting from grass. Elva, 58°14'/26°24', 15.06.2014, 6 ex., dry slope, netting from grass. (UR/UR).

Tychius medicaginis Brisout de Barneville, 1862. Palivere, 29.06.1952, 2 ex., pine forest, netting from grass. Palivere, 10.06.1956, 2 ex., pine forest, netting from grass. (VS/UR). Salevere, 58°41'/23°35', 15.06.2010, 1 ex., mixed oak forest, netting from grass. Palivere, 58°58'/23°54', 20.06.2010, 1 ex., forest edge, netting from grass. Vaitka, 57°41'/26°12', 26.06.2011, 2 ex., dry grassland, netting from grass. Palivere, 58°58'/23°54', 11.06.2013, 1 ex., forest edge, netting from grass. Vaitka, 57°41'/26°11', 22.06.2013, 1 ex., oak woods, netting from grass. (UR/UR).

Tychius aureolus Kiesenwetter, 1851. Elva, 58°14'/26°24', 15.06.2014, 1 ex., dry slope, netting from grass. (UR/UR).

Tychius junceus (Reich, 1797). Tohkre Kütiorg, 05.07.1970, 1 ex., dry mound, netting from grass. Põlva, 01.06.1975, 1 ex., forest edge, netting from grass. Põlva, 13.06.1975, 4 ex., forest edge, netting from grass. Põlva, 14.06.1975, 1 ex., forest edge, netting from grass. (VS/VS). Palivere, 21.06.1982, 1 ex., netting from grass. Palivere, 15.06.1983, 2 ex., netting from grass. Pärnu, 25.07.1995, 2 ex., river bank, netting from grass. Aegviidu, 59°17'/25°36', 18.06.1999, 1 ex., forest edge, netting from grass. Abruka, 58°10'/22°30', 07.08.1999, 1 ex., meadow, hay, sifting. Männiku, 59°19'/24°42', 10.09.1999, 1 ex., sands, netting from grass. (UR/UR).

Sibinia unicolor (Fåhraeus, 1843). Piusa, 57°50'/27°26', 26.06.2013, 3 ex., forest edge, netting from grass. (UR/UR).

Sibinia pyrrhodactyla (Marsham, 1802). Elva, 58°14'/26°24', 30.08.2013, 2 ex., dry slope, netting from grass. (UR/UR).

Curculio venosus (Gravenhorst, 1807). Koivakonnu, 57°35'/26°19', 21.05.2011, 1 ex., oak woods, caught with a net from the crown of an oak. Koivakonnu, 57°35'/26°19', 19.05.2012, 3 ex., oak woods, caught with a net from the crown of an oak. (UR/UR).

Gymnetron plantaginis Eppelsheim, 1875. Tabina, 57°49'/27°17', 31.05.2013, 8 ex., forest edge, netting from grass. (UR/UR).

Rhinusa erinaceus Bedel, 1885. Saaremaa Turja, 15.06.1968, 1 ex., edge of a pine forest, netting from grass. Leevi Võhandu River, 27.05.1970, 1 ex., meadow, netting from grass. (VS/VS). Abruka, 58°09'/22°30', 07.-08.06.2007, 1 ex., broadleaf forest, netting from grass. (UR/UR).

Mecinus ianthinus Germar, 1821. Vaitka, 57°41'/26°12', 21.05.2013, 2 ex., dry meadow, netting from grass. (UR/UR).

Magdalis exarata (Brisout de Barneville, 1862). Palivere, 58°57'/23°54', 12.06.2013, 2 ex., mixed oak forest margin, on freshly cut oaks. (UR/UR).

Baris lepidii Germar, 1824. Koivakonnu, 57°35'/26°19', 21.05.2011, 1 ex., dry meadow, netting from grass. Koivakonnu, 57°35'/26°19', 08.06.2012, 1 ex., dry meadow, netting from grass. (UR/UR).

Mononychus punctumalbum (Herbst, 1784). Taheva, 57°36'/26°16', 15.06.2003, 2 ex., forest edge, netting from grass and willow thickets. Vaitka, 57°41'/26°11', 28.06.2003, 1 ex., dry meadow, netting from grass. Koivakonnu, 57°35'/26°19', 21.05.2011, 1 ex., dry meadow, netting from grass. Koivakonnu, 57°35'/26°19', 25.06.2011, 1 ex., dry meadow, netting from grass. Koivakonnu, 57°35'/26°19', 19.05.2012, 3 ex., dry meadow, netting from grass. (UR/UR).

Marmaropus besseri Gyllenhal, 1837. Lindora, 57°49'/27°21', 31.05.2013, 8 ex., dry grassland, netting from grass. (UR/UR).

Amalorrhynchus melanarius (Stephens, 1831). Pikasilla, 58°05'/26°04', 29.06.2009, 1 ex., floodplain, netting from grass. Palupõhja, 58°25'/26°14', 15.05.2010, 3 ex., road verge,

netting from grass. Jõesuu, 58°23'/26°08', 20.05.2010, 2 ex., wet glade, netting from grass. Kolkja, 58°34'/27°13', 01.08.2010, 2 ex., river bank, netting from grass. (UR/UR).

Thamiocolus signatus Gyllenhal, 1837. Saue, 59°18'/24°33', 25.05.2010, 5 ex., meadow, netting from grass. Palupõhja, 58°25'/26°14', 20.05.2010, 3 ex., forest edge, netting from grass. (UR/UR).

Ceutorhynchus arator Gyllenhal, 1837. Keila, 59°18'/24°26', 23.04.2013, 1 ex., river bank, flood, on alder stems. (UR/UR).

Ceutorhynchus griseus Brisout de Barneville, 1869. Kirbla, 58°43'/23°56', 2 ex., dry meadow, netting from grass. Koivakonnu, 57°35'/26°19', 08.06.2012, 1 ex., dry meadow, netting from grass. (UR/UR).

Ceutorhynchus posthumus Germar, 1824. Laitse, 11.05.1952, 2 ex., forest glade, netting from grass. (VS/VS).

Ceutorhynchus rhenanus Schultze, 1895. Rakvere Vinni, 23.10.1979, 1 ex., oak woods, leaf litter, sifting. (VS/VS). Vaitka, 57°41'/26°11', 28.06.2009, 2 ex., dry grassland, netting from grass. Mädaepa, 59°19'/26°15', 03.10.2009, 3 ex., oak woods, litter, sifting. Kalli, 58°32'/24°05', 28.08.2010, 1 ex., meadow, netting from grass. (UR/UR).

Ceutorhynchus suturalis (Fabricius, 1775). Hullo, 58°59'/23°15', 05.08.2014, 8 ex., dry grassland, netting from grass. (UR/UR).

Ceutorhynchus pollinarius (Forster, 1771). Moldova, 59°26'/27°06', 09.05.2015, 1 ex., forest road verge, netting from grass. (UR/UR).

Ceutorhynchus trimaculatus Germar, 1824. Saue, 59°18'/24°33', 25.05.2010, 1 ex., meadow, netting from grass. (UR/UR).

Hylastes ater (Fabricius, 1792). Vaitka, 57°41'/26°14', 28.04.-20.05.2012, 1 ex., 20.05.-09.06.2012, 1 ex., pine forest, dead pine, window trap. (UR/UR).

Pityophthorus pityographus (Ratzeburg, 1837). Koivakonnu, 57°34'/26°21', 28.04.2012, 1 ex., pine forest, under pine bark. (UR/UR).

Acknowledgements

The author would like to thank Arvīds Barševskis for confirming the identification of *Agapanthia intermedia*. Special thanks to Jere Kahanpää for valuable suggestions and improving the language. Maila Moor kindly assisted in collecting with the window and pitfall traps, prepared the map and revised the final English text.

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