

FULGOROMORPHA & CICADOMORPHA (HEMIPTERA) OF EASTERN LATVIA

Oleg Borodin*

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Abstract

The current state of study of Fulgoromorpha and Cicadomorpha of Eastern Latvia (within the borders of Latgale) is presented. The work includes previously published data, unpublished data from the collection of J. Vilbaste for the period 1959-1964, stored in the entomological collection (IZBE) of Estonian University Life of Science (Tartu, Estonia), as well as original collections of the author for the period 2021-2022. Currently, there are 242 species in the region, and for the first time, four species: *Eurybregma nigrolineata* Scott, 1875 (Delphacidae), *Edwardsiana spinigera* (Edwards, 1924), *E. sociabilis* (Ossiannilsson, 1936) and *Lebradea flavovirens* (Gillette & Baker, 1895) (Cicadellidae) are listed at the territory of Latvia, and 28 species were recorded in Eastern Latvia. *Lebradea flavovirens* has been recorded in the Baltic States for the first time.

Keywords: Auchenorrhyncha, Latgale, planthoppers, leafhoppers, cicadas

*Corresponding author: *Daugavpils University, Institute of Life Science and Technology, Parādes Str., 1a, Daugavpils, LV-5401, Latvia, E-mail: oleg.borodin@inbox.lv*

INTRODUCTION

The history of the study of Fulgoromorpha and Cicadomorpha of Latvia dates back almost 250 years. However, the degree of study of these insects in various regions of Latvia is very different. Currently, 373 species of cicadas belonging to 7 families are registered in Latvia (Borodin & Borodina 2021).

The majority of information on Fulgoromorpha and Cicadomorpha of Latvia refers to the western and central regions of the country (Spuris 1955, Danka 1959a, Danka 1959b, Danka 1961a, Danka 1961b, Velce 1961, Danka 1964, Velce 1964, Spuris 1966, Velce 1968a, Velce 1968b, Velce 1968c, Velce 1969, Velce & Danka 1970, Danka & Stiprais 1972, Velce 1972, Danka 1973, Spuris 1974, Varzinska 1979, Velce & Rupais 1979, Turka & Reynsone 1981, Spuris 1982, Varzinska 1983, Ozols 1985, Spuris 1996a, Spuris

1996b, Spuņģis 2002, Spuņģis 2008, Söderman & Spuņģis 2008, Söderman et al. 2009, Ziemelis 2012, Levins & Ziemelis 2013, Petrova et al. 2013, Stalazs 2013, Ziemelis 2014, Piterāns 2016). While the eastern part remains the least studied. In this article, Eastern Latvia is considered in the scale of the historical and cultural area – Latgale.

Indications about the registration of cicadas in Eastern Latvia are given only in one publication by the Estonian entomologist J. Vilbaste, who conducted studies of these insects in Latvia and Lithuania from 1954 to 1969. In addition, he took into account the collections of other authors, first of all G. Flor (1861), B.A. Gimmerthal (1846), and publications of L. Danka (Danka 1959a, Danka 1961a, Danka 1961b, Danka 1964, Danka 1973) and D. Velce (Velce 1961, Velce 1964, Velce 1968a, Velce 1968b, Velce 1968c, Velce 1969, Velce 1972).

The article by J. Vilbaste (1974) summarises the distribution of some cicada species, usually indicating registration at the level of geobotanical districts. At the same time, more detailed information (points, dates of registration, number of specimens) is given only for some, as a rule, rarely occurring species. No further studies of cicadians in Eastern Latvia have been carried out to date. Hence, the aim of this work is to assess the state of study of cicadas of Eastern Latvia and to obtain additional materials on this subject.

MATERIAL AND METHODS

To obtain more detailed information on the registration of cicadas and those not included in the generalised work of J. Vilbaste (1974), we conducted a revision of his collection of cicadas, which is a part of the entomological collection (IZBE) of Estonian University of Life Science (Tartu, Estonia). All specimens found in the collection and recorded by J. Vilbaste and his colleagues in the territory of modern Latgale are included in the analysis.

In addition, during the 2021 and 2022 field seasons, we conducted additional surveys at 36 locations in Augšdaugava district (parishes of Bebrene, Eglaine, Līksna, Saliena, Skrudaliena, Svente, Tabore, Vabole, Vecsaliena), Balvi district (parishes of Krišjāņi, Rugāji), Krāslava district (parishes of Izvalta, Robežnieki), Līvāni district (parishes of Jersika, Rožupe, Rudzāti), Ludza district (parishes of Goliševa, Kreiči, Malnava, Pilda, Salnava), Rēzekne district (parishes of Čornaja and Silmala).

The specimens were collected using an entomological net and light traps. All specimens collected by the author are located in the DUBD collection of Daugavpils University. Most specimens are stored on entomological cotton layers or in alcohol. Some insects are mounted on entomological pins. All accumulated information is included in a database on the PlutoF research platform.

Taxa were identified using the following diagnostic keys (Le Quesne 1960, Le Quesne

1965, Le Quesne 1969, Mityaev 1971, Anufriev 1978, Ossiannilsson 1978, Ossiannilsson 1981, Ossiannilsson 1983, Le Quesne & Payne 1981, Anufriev & Emelyanov 1988, della Giustiana 1989, Holzinger et al. 2003), as well as resources "World Auchenorrhyncha Database" (Dmitriev et al. 2023). The structure of the taxonomic list created and the valid species names used are consistent with this database.

All accumulated information is summarised below as an annotated list. For each previously recorded species, reference is made to the publication of J. Vilbaste (1974). Where an article provides the point, date of registration, and number of registered specimens, this information is also included in the annotated list with the appropriate reference. Whenever there is no specific indication of the registration of a species in a given publication, but we have obtained this data by analysing the J. Vilbaste collection, we include the label data as primary, previously unpublished data.

New for Latvia species recorded by us in the period from 2021 to 2022 are marked with "!", species recorded for the first time within the analysed region are marked with "*".

Geographical names are given in Latvian.

RESULTS AND DISCUSSION

Annotated checklist of Latvian Fulgoromorpha & Cicadomorpha

Fulgoromorpha Evans, 1946

Fulgoroidea Latreille, 1807

Cixiidae Spinola, 1839

Cixiinae Spinola, 1839

Cixiini Spinola, 1839

Cixius Latreille, 1804

***Cixius cunicularius* (Linnaeus 1767)** – (Vilbaste 1974).

****Cixius distinguendus* Kirschbaum 1868** – **Līvāni district**, Rudzāti parish, The Great Pelečare Swamp, peatbog, 56.4603, 26.5128, 10.09.2021, 1♂, lg. O.Borodin.

***Cixius nervosus* (Linnaeus, 1758)** – (Vilbaste 1974). **Augšdaugava district**, Bebrene

parish, Draudzīņi, 55.9966, 26.1267, light trap, 10.07.2021, 1♂, lg. O.Borodin. **Krāslava district**, Piedruja parish, Piedruja, 19.06.1967, 1♀, lg. J.Vilbaste.

Cixius similis Kirschbaum 1868 – (Vilbaste 1974). **Rēzekne district**, Strūžāni parish, Strūžāni, 08.06.1954, 2♂3♀, lg. J.Vilbaste.

Delphacidae Leach, 1815

Kelisiinae Wagner, 1963

Kelisia Fieber, 1866

Kelisia guttula (Germar, 1818) – (Vilbaste 1974).

Kelisia ribauti W. Wagner, 1938 – (Vilbaste 1974).

Kelisia vittipennis (J. Sahlberg, 1868) – (Vilbaste 1974).

Stenocraninae Wagner, 1963

Stenocranus Fieber, 1866

Stenocranus fuscovittatus (Stål, 1858) – (Vilbaste 1974). **Rēzekne district**, Strūžānu parish, Strūžānu raised peat bog, 08.06.1954, 2♀, lg. J.Vilbaste (Vilbaste 1974).

***Stenocranus major (Kirschbaum, 1868)** – **Līvāni district**, Rožupes parish, 56.4042, 26.2528, 09.09.2021, pine forest, 1♀, lg. O.Borodin.

Stenocranus minutus (Fabricius, 1787) – (Vilbaste 1974). **Augšdaugava district**, Līksna parish, 55.9186, 26.5386, 02.06.2021, 1♀, lg. O.Borodin. **Līvāni district**, Rožupe parish, 56.4042, 26.2528, 09.09.2021, pine forest, 1♂2♀, lg. O.Borodin.

Delphacinae Leach, 1815

Delphacini Leach, 1815

Megamelus Fieber, 1866

Megamelus notula (Germar, 1830) – (Vilbaste 1974).

Conomelus Fieber, 1866

Conomelus anceps (Germar, 1821) – (Vilbaste, 1974). **Augšdaugava district**, Medumi parish, Medumi, 15.08.1968, 1♀, lg. J.Vilbaste. **Līvāni district**, Rožupe parish, 56.4042, 26.2528, 09.09.2021, pine forest, 2♀, lg. O.Borodin.

Delphacinus Fieber, 1866

Delphacinus mesomelas (Boheman, 1849) – (Vilbaste 1974).

Eurysula Vilbaste, 1968

Eurysula lurida (Fieber, 1866) – (Vilbaste 1974). **Augšdaugava district**, Svente parish, Sventa Lake 06.07.1969, 1♀, lg. J.Vilbaste (Vilbaste 1974).

Eurybregma Scott, 1875

!Eurybregma nigrolineata Scott, 1875 – **Augšdaugava district**, Līksna parish, 55.9186, 26.5386, 02.06.2021, 2♂, lg. O.Borodin.

Stiroma Fieber, 1866

Stiroma affinis Fieber, 1866 – (Vilbaste 1974). **Krāslava district**, Krāslava, 18.06.1967, 2♂2♀; Auleja and Skaista parish, Sivera, 17.06.1967, 8♂9♀, lg. J.Vilbaste.

Stiroma bicarinata (Herrich-Schäffer, 1835) – (Vilbaste 1974). **Krāslava district**, Krāslava, 10 km E, 18.06.1967, 1♀, lg. J.Vilbaste; **Ludza district**, Mērdzenes parish, Mērdzene, 16.06.1967, 6♂9♀, lg. J.Vilbaste; **Nirzas parish**, Nirza, 17.06.1967, 2♂, lg. J.Vilbaste.

Delphax Fabricius, 1798

Delphax crassicornis (Panzer, 1796) – (Vilbaste 1974).

Euides Fieber, 1866

***Euides basilinea (Germar, 1821)** – **Krāslava district**, Izvalta parish, Tukāni, 55.9737, 27.0088, light trap, 21.06.2021, 1♀, lg. O.Borodin.

Chloriona Fieber, 1866

Chloriona dorsata Edwards, 1898 – (Vilbaste 1974). **Rēzekne district**, Bērzgale parish, Bērzgale, Micani Lake, 08.07.1969, 1♂1♀, lg. J.Vilbaste (Vilbaste 1974).

Chloriona glaucescens Fieber, 1866 – (Vilbaste 1974).

Chloriona smaragdula (Stål, 1853) – (Vilbaste 1974). **Krāslava district**, Auleja parish, Auleja, 18.06.1967, 2♂, lg. J.Vilbaste.

Chloriona stenoptera (Flor, 1861) – (Vilbaste 1974).

Paraliburnia Jensen-Haarup, 1917

Paraliburnia adela (Flor, 1861) – (Vilbaste 1974).

Hyledelphax Vilbaste, 1968

Hyledelphax elegantula (Boheman, 1847) – (Vilbaste 1974). Augšdaugava district, Liksna parish, 55.9186, 26.5386, 02.06.2021, 1♂, lg. O.Borodin.

Delphacodes Fieber, 1866

**Delphacodes venosus* (Germar, 1830) – Līvāni district, Rožupe parish, 56.4042, 26.2528, 09.09.2021, pine forest, 6♂7♀, lg. O.Borodin.

Gravestiniella Wagner, 1963

Gravestiniella boldi (Scott, 1870) – (Vilbaste 1974).

Muellerianella Wagner, 1963

Muellerianella brevipennis (Boheman, 1847) – (Vilbaste 1974).

Muirodelphax Wagner, 1963

Muirodelphax aubei (Perris, 1857) – (Vilbaste 1974).

Nothodelphax Fennah, 1963

Nothodelphax albocarinata (Stål, 1858) – (Vilbaste 1974). Rēzekne district, Strūžāni parish, Strūžāni, 08.06.1954, 1♂, lg. J.Vilbaste (Vilbaste, 1974).

Nothodelphax distinctus (Flor, 1861) – (Vilbaste 1974).

Dicranotropis Fieber, 1866

Dicranotropis hamata Boheman, 1847 – (Vilbaste 1974).

Florodelphax Vilbaste, 1968

Florodelphax leptosoma (Flor, 1861) – Augšdaugava district, Svente parish, Siliņi, 28.08.1968, 2♂, lg. J.Vilbaste (Vilbaste, 1974).

Florodelphax paryphasma (Flor, 1861) – (Vilbaste 1974). Rēzekne district, Strūžāni parish, Strūžānu raised peat bog, 08.06.1954, 1♂, lg. J.Vilbaste (Vilbaste 1974).

Acanthodelphax denticauda (Boheman, 1847) – (Vilbaste 1974).

Acanthodelphax spinosus (Fieber, 1866) – (Vilbaste 1974). Augšdaugava district, Liksna parish, 55.9186, 26.5386, 02.06.2021, 1♂, lg. O.Borodin.

Kosswigianella Wagner, 1963

Kosswigianella exigua (Boheman, 1849) – (Vilbaste 1974).

Struebingianella Wagner, 1963

Struebingianella lugubrina (Boheman, 1847) – (Vilbaste 1974).

Xanthodelphax Wagner, 1963

Xanthodelphax flaveolus (Flor, 1861) – (Vilbaste 1974).

Xanthodelphax stramineus (Stål, 1858) – (Vilbaste 1974).

Xanthodelphax xanthus Vilbaste, 1965 – (Vilbaste 1974). Balvi district, Baltinava parish, Baltinava, 16.06.1967, 1♂, lg. J.Vilbaste (Vilbaste, 1974).

Paradelphacodes Wagner, 1963

Paradelphacodes paludosa (Flor, 1861) – (Vilbaste 1974).

Criomorphus Curtis, 1833

Criomorphus albomarginatus Curtis, 1833 – (Vilbaste 1974).

Criomorphus moestus (Boheman, 1847) – Balvi district, Baltinava parish, Baltinava, 16.06.1967, 1♀, lg. E.Remm (Vilbaste, 1974).

Rēzekne district, Strūžāni parish, Strūžānu raised peat bog, 09.06.1954, 3♂3♀, lg. J.Vilbaste (Vilbaste, 1974).

Javesella Fennah, 1963

Javesella dubia (Kirschbaum, 1868) – (Vilbaste 1974). Augšdaugava district, Tabore parish, 55.9142, 26.6833, 02.06.2021, 2♂, lg. O.Borodin.

Javesella obscurella (Boheman, 1847) – (Vilbaste 1974).

Javesella pellucida (Fabricius, 1794) – (Vilbaste 1974). **Augšdaugava district**, Bebrene parish, Draudzīni, 55.9966, 26.1267, light trap, 06.08.2022, lg. O.Borodin; Eglaine parish, 55.9622, 26.1442, upland meadow, 13.07.2021, lg. O.Borodin; Līksna parish, 55.9186, 26.5386, 02.06.2021, 2♂2♀, lg. O.Borodin; Tabore parish, 55.9142, 26.6833, 02.06.2021, 2♂1♀, lg. O.Borodin; Svente parish, Svente lake, 55.8853, 26.3728, 16.07.2021, 1♂1♀, lg. O.Borodin. **Krāslava district**, Robežnieki parish, 55.9719, 27.6389, 11.07.2021, 2♂1♀, lg. O.Borodin. **Ludza district**, Pilda parish, Vientuļnieki, 56.4055, 27.7884, light trap, 10.08.2022, 1♂, lg. O.Borodin.

Ribautodelphax Wagner, 1963

Ribautodelphax albostrata* (Fieber, 1866) – **Augšdaugava district, Tabore parish, 55.9142, 26.6833, 02.06.2021, 1♂3♀, lg. O.Borodin. **Krāslava district**, Robežnieki parish, 55.9719, 27.6389, 11.07.2021, 1♂, lg. O.Borodin.

Ribautodelphax angulosa (Ribaut, 1953) – (Vilbaste 1974). **Krāslava district**, Auleja and Skaista parish, Sivers Lake, 18.06.1967, 1♂1♀, lg. J.Vilbaste (Vilbaste 1974).

Ribautodelphax collina (Boheman, 1847) – (Vilbaste 1974). **Augšdaugava district**, Līksna parish, 55.9186, 26.5386, 02.06.2021, 1♂1♀, lg. O.Borodin.

Ribautodelphax pallens (Stål, 1854) – (Vilbaste 1974).

Caliscelidae Amyot et Serville, 1843

Ommatidiotinae Fieber, 1875

Ommatidiotini Fieber, 1875

Ommatidiotus Spinola, 1839

Ommatidiotus dissimilis (Fallen, 1806) – (Vilbaste 1974).

Cicadomorpha Evans, 1946

Cercopoidea Leach, 1815

Aphrophoridae Amyot-Serville, 1843

Aphrophorinae Amyot & Audinet-Serville, 1843

Cloviini Schmidt, 1920

Lepyronia Amyot & Serville, 1843

Lepyronia coleoprata (Linnaeus, 1758) – (Vilbaste 1974). **Augšdaugava district**, Eglaine parish, 55.9622, 26.1442, upland meadow, 13.07.2021, 1♀, lg. O.Borodin. **Balvi district**, Krišjāni parish, 56.8225, 27.3289, pine forest, 26.08.2021, 1♀, lg. O.Borodin. **Līvāni district**, Rožupe parish, 56.4042, 26.2528, 09.09.2021, pine forest, 1♀, lg. O.Borodin.

Philaenini Metcalf, 1955

Neophilaenus Haupt, 1935

Neophilaenus campestris (Fallen, 1805) – (Vilbaste 1974).

Neophilaenus exclamationis (Thunberg, 1784) – (Vilbaste 1974).

Neophilaenus lineatus (Linnaeus, 1758) – (Vilbaste 1974). **Jēkabpil district**, Atašiene parish, 56.71083, 26.7330, sphagnum bog, 10.09.2021, 2♂1♀, lg. O.Borodin. **Līvāni district**, Rudzāti parish, The Great Pelečāre Swamp, 56.4514, 26.5097, 10.09.2021, 1♀; 56.4042, 26.2528, 09.09.2021, pine forest, 1♀, lg. O.Borodin. **Ludza district**, Goliševa parish, 56.7508, 27.8639, peatbog, 26.08.2021, 5♂6♀, lg. O.Borodin.

Neophilaenus minor (Kirschbaum, 1868) – (Vilbaste, 1974).

Philaenus Stål, 1864

Philaenus spumarius (Linnaeus, 1758) – (Vilbaste 1974). **Augšdaugava district**, Saliene parish, 55.8428, 26.9183, Pogulyanka river, floodplain, 03.07.2021, 1♀, lg. O.Borodin. **Krāslava district**, Robežnieki parish, 55.9511, 27.4847, 11.07.2021, 1♀, lg. O.Borodin, 55.9719, 27.6389, 11.07.2021, 1♂5♀, lg. O.Borodin. **Līvāni district**, Rožupe parish, 56.4042, 26.2528, 09.09.2021, pine forest, 1♂, lg. O.Borodin.

Aphrophorini Amyot & Audinet-Serville, 1843

Aphrophorini Amyot & Audinet-Serville, 1843

Aphrophora Germar, 1821

Aphrophora alni (Fallen, 1805) – (Vilbaste 1974). **Augšdaugava district**, Eglaine parish, 55.9622, 26.1442, upland meadow,

13.07.2021, 1♀, lg. O.Borodin; Svente parish, 55.8847, 26.3406, upland meadow, 16.07.2021, 1♂, lg. O.Borodin; Svente lake, 55.8853, 26.3728, 16.07.2021, 1♀, lg. O.Borodin. **Balvi district**, Krišjāni parish, 56.8225, 27.3289, pine forest, 26.08.2021, 1♀, lg. O.Borodin. **Krāslava district**, Robežnieki parish, Ieviņas, 55.9803, 27.6251, light trap, 12.08.2022, 1♂, lg. O.Borodin. **Līvāni district**, Pilda parish, Vientuļnieki, 56.4055, 27.7884, light trap, 16.08.2022, 1♀, lg. O.Borodin; Malnava parish, Akmentiņi, 56.8116, 27.7907, light trap, 01.08.2022, 1♂, lg. O.Borodin; Rudzāti parish, The Great Pelečare Swamp, peatbog, 56.4603, 26.5128, 10.09.2021, 3♂4♀, lg. O.Borodin, 56.4183, 26.2903, 09.09.2021, 1♀, lg. O.Borodin. **Ludza district**, Kreiču marsh, 56.7283, 27.8564, 26.08.2021, 1♂, lg. O.Borodin. **Rēzekne district**, Čornaja parish, 56.4003, 27.3447, 27.07.2021, 1♀, lg. O.Borodin; 56.4042, 27.3575, 27.07.2021, 1♀, lg. O.Borodin.

Aphrophora pectoralis **Matsumura, 1903** – (Vilbaste 1974). **Augšdaugava district**, Bebrene parish, Draudzīni, 55.9966, 26.1267, light trap, 03.07.2022, 1♂, lg. O.Borodin. **Ludza district**, Malnavas parish, Akmentiņi, 56.8116, 27.7907, light trap, 01.08.2022, 7♂5♀, lg. O.Borodin; Pilda parish, Vientuļnieki, 56.4055, 27.7884, light trap, 10.08.2022, 1♂, lg. O.Borodin.

Aphrophora salicina (**Geoze, 1778**) – (Vilbaste 1974); **Krāslava district**, Izvalta parish, Tukāni, 55.9737, 27.0088, light trap, 12.08.2022, 2♀, lg. O.Borodin; Robežnieki parish, 55.9511, 27.4847, 11.07.2021, 2♂1♀, lg. O.Borodin; 55.9719, 27.6389, 11.07.2021, 2♂4♀, lg. O.Borodin. **Ludza district**, Pilda parish, Vientuļnieki, 56.4055, 27.7884, light trap, 16.08.2022, 1♂1♀, lg. O.Borodin. **Rēzekne district**, Silmala parish, Baltmuiža, 56.4250, 26.9423, light trap, 05.07.2022, 6♂4♀, 12.07.2022, 1♀, lg. O.Borodin.

Membracoidea Rafinesque, 1815

Membracidae Rafinesque, 1815

Centrotinae Amyot & Audinet-Serville, 1843

Centrotini Amyot & Audinet-Serville, 1843 **Centrotus Fabricius, 1803**

Centrotus cornutus (**Linnaeus, 1758**) – (Vilbaste 1974). **Augšdaugava district**, Tabore parish, 55.9142, 26.6833, 02.06.2021, 1♀, lg. O.Borodin. **Krāslava district**, Robežnieki parish, 55.9719, 27.6389, 11.07.2021, 1♀, lg. O.Borodin; **Ludza district**, Mērdzene parish, Merdzene, 16.06.1967, 1♀, lg. J.Vilbaste.

Cicadellidae Latreille, 1825

Ulopininae Le Peletier de Saint-Fargeau & Audinet-Serville, 1825

Ulopinini Le Peletier de Saint-Fargeau & Audinet-Serville, 1825

Ulopa Fallen, 1814

Ulopa reticulata (**Fabricius, 1794**) – (Vilbaste 1974). **Līvāni district**, Jersika parish, 56.2583, 26.2522, 09.09.2021, peatbog, 1 larv., lg. O.Borodin. **Ludza district**, Goliševa parish, 56.7508, 27.8639, peatbog, 26.08.2021, 1♂, lg. O.Borodin; Zaļesje parish, Troški, 20.06.1967, 2 larv., lg. J.Vilbaste.

Megophthalminae Kirkaldy, 1906

Megophthalmini Kirkaldy, 1906

Megophthalmus Curtis, 1833

***Megophthalmus scanicus** (**Fallen, 1806**) – **Krāslava district**, Robežnieki parish, 55.9719, 27.6389, 11.07.2021, 1♂, lg. O.Borodin.

Eurymelinae Amyot & Audinet-Serville, 1843

Macropsini Evans, 1935

Oncopsis Burmeister, 1838

Oncopsis alni (**Schrank, 1801**) – (Vilbaste 1974).

Oncopsis appendiculata **Wagner, 1944** – (Vilbaste 1974). **Augšdaugava district**, Svente parish, Sventa Lake 06.07.1969, 1♂, lg. J.Vilbaste (Vilbaste 1974). **Preiļi district**, Aglona and Rušona parish, Rušona Lake, 07.07.1969, 3♂1♀, lg. J.Vilbaste (Vilbaste 1974).

Oncopsis flavicollis (**Linnaeus, 1761**) – (Vilbaste 1974). **Augšdaugava district**, Liksna parish, 55.9186, 26.5386, 02.06.2021, 1♂,

lg. O.Borodin. **Rēzekne district**, Bērzgale parish, Bērzgale, 08.07.1969, 1♀, lg. J.Vilbaste; Strūžāni parish, Strūžāni, 08.06.1954, 2♂3♀, lg. J.Vilbaste.

***Oncopsis subangulata* (J. Sahlberg, 1871)** – (Vilbaste 1974). **Krāslava district**, Auleja and Skaista parish, Sīvers Lake 18.06.1967, 1♂, lg. J.Vilbaste (Vilbaste, 1974). **Līvāni district**, Rudzāti parish, Rudžeti, 20.06.1967, 3♂1♀, lg. J.Vilbaste (Vilbaste, 1974).

***Oncopsis tristis* (Zetterstedt, 1840)** – (Vilbaste 1974).

***Macropsis* Lewis, 1834**

***Macropsis cerea* (Germar, 1837)** – (Vilbaste 1974).

***Macropsis fuscinervis* (Boheman, 1847)** – (Vilbaste 1974). **Augšdaugava district**, Vecsaliena parish, Šilovka, 03.07.1964, 1♂3♀, lg. J.Vilbaste. **Preiļi district**, Aglona and Rušona parish, Rušona Lake, 07.07.1969, 4♀, lg. A.Vilbaste.

***Macropsis fuscula* (Zetterstedt, 1828)** – (Vilbaste 1974). **Rēzekne district**, Mākonkalns parish, Ilzas ezers, 30.06.1964, 2 larv., lg. J.Vilbaste.

***Macropsis impura* (Boheman, 1847)** – (Vilbaste 1974). **Ludza district**, Nirza parish, Nirza, 17.06.1967, 2 larv., lg. J.Vilbaste.

***Macropsis infuscata* (J. Sahlberg, 1871)** – (Vilbaste, 1974). **Balvi district**, Tilža parish, Kapessils, 09.07.1969, 1♂, lg. A.Vilbaste. **Krāslava district**, Krāslava, 18.06.1967, 1♂, lg. J.Vilbaste; Piedruja parish, Piedruja, 19.06.1967, 3♂1♀, lg. J.Vilbaste. **Preiļu district**, Aglona and Rušona parish, Rušona Lake, 20.06.1967, 1♂, 5 larv., lg. J.Vilbaste.

***Macropsis marginata* (Herrich-Schäffer, 1836)** – (Vilbaste, 1974). **Krāslava district**, Piedruja parish, Piedruja, 19.06.1967, 1♂, lg. J.Vilbaste.

***Macropsis ocellata* Provancher, 1872** – (Vilbaste 1974).

***Macropsis prasina* (Boheman, 1852)** – (Vilbaste 1974).

***Hephathus* Ribaut, 1952**

***Hephathus nanus* (Herrich-Schäffer, 1835)** – (Vilbaste 1974)

***Macropsidius* Ribaut, 1952**

***Macropsidius sahlbergi* (Flor, 1861)** – **Krāslava district**, Piedruja parish, Piedruja, 19.06.1967, 1♂, lg. J.Vilbaste (Vilbaste, 1974).

Idiocerini Baker, 1915

***Idiocerus* Lewis, 1834**

***Idiocerus lituratus* (Fallen, 1806)** – (Vilbaste 1974).

***Idiocerus stigmaticalis* Lewis, 1834** – (Vilbaste 1974). **Krāslava district**, Piedruja parish, Piedruja, 02.07.1964, 1♂1♀, lg. J.Vilbaste.

***Tremulicerus* Dlabola, 1974**

***Tremulicerus tremulae* (Estlund, 1796)** – (Vilbaste 1974). **Krāslava district**, Piedruja parish, Piedruja, 02.07.1964, 1♂1♀, lg. J.Vilbaste (Vilbaste, 1974).

***Populicerus* Dlabola, 1974**

***Populicerus albicans* Kirschbaum, 1868** – (Vilbaste 1974). **Krāslava district**, Krāslava, 02.07.1964, 12♂15♀, lg. J.Vilbaste (Vilbaste, 1974).

***Populicerus confusus* (Flor, 1861)** – (Vilbaste 1974).

***Populicerus populi* (Linnaeus, 1761)** – (Vilbaste 1974). **Preiļi district**, Aglona and Rušona parish, Rušona Lake, 07.07.1969, 4 larv., lg. A.Vilbaste.

Iassinae Walker, 1870

Batracomorphini Krishnankutty, Dietrich, Dai & Siddappaji, 2016

***Batracomorphus* Lewis, 1834**

****Batracomorphus allionii* (Turton, 1802)** – **Krāslava district**, Robežnieki parish, Ieviņas, 55.9803, 27.6251, light trap, 12.08.2022, 1♀, lg. O.Borodin. **Ludza district**, Pilda parish, Vientuļnieki, 56.4055, 27.7884, light trap, 16.08.2022, 2♂, lg. O.Borodin.

Iassini Walker, 1870

***Iassus* Fabricius, 1803**

***Iassus lanio* (Linnaeus, 1761)** – (Vilbaste 1974).

Aphrodinae Haupt, 1927**Aphrodini Haupt, 1927****Aphrodes Curtis, 1833**

Aphrodes bicinctus (Schrank, 1776) – (Vilbaste 1974). **Krāslava district**, Robežnieki parish, 55.9511, 27.4847, 11.07.2021, 1♂, lg. O.Borodin; 55.9719, 27.6389, 11.07.2021, 1♀, lg. O.Borodin.

Planaphrodes Hamilton, 1975

Planaphrodes bifasciata (Linnaeus, 1758) – (Vilbaste 1974). **Līvāni district**, Rudzāti parish, Rudžeti, 20.06.1967, 1♂, 4 larv., lg. J.Vilbaste.

Anoscopus Kirschbaum, 1868

Anoscopus flavostriatus (Donovan, 1799) – (Vilbaste 1974).

Stroggylocephalus Flor, 1861

Stroggylocephalus agrestis (Fallen, 1806) – (Vilbaste 1974).

Stroggylocephalus livens (Zetterstedt, 1840) – (Vilbaste 1974).

Evacanthinae Metcalf, 1939**Evacanthini Metcalf, 1939****Evacanthus Le Peletier & Serville, 1825**

Evacanthus acuminatus (Fabricius, 1794) – (Vilbaste 1974).

Evacanthus interruptus (Linnaeus, 1758) – (Vilbaste 1974). **Augšdaugava district**, Dau-gavpils, 01.07.1964, 7♂1♀, lg. J.Vilbaste. **Krāslava district**, Robežnieki parish, 55.9719, 27.6389, 11.07.2021, 1♂, lg. O.Borodin.

Cicadellinae Latreille, 1825**Cicadellini Latreille, 1825****Cicadella Latreille, 1817**

Cicadella viridis (Linnaeus, 1758) – (Vilbaste 1974). **Krāslava district**, Robežnieki parish, 55.9511, 27.4847, 11.07.2021, 1♂1♀, lg. O.Borodin, Ieviņas, 55.9803, 27.6251, light trap, 12.08.2022, 1♀, lg. O.Borodin. **Rēzekne district**, Čornaja parish, 56.4042, 27.3575, 27.07.2021, 1♂1♀, lg. O.Borodin.

Typhlocybinae Kirschbaum, 1868**Alebrini McAtee, 1926****Alebra Fieber, 1872**

Alebra albostrigella (Fallen, 1826) – (Vilbaste 1974). **Augšdaugava district**, Svente parish, Svente lake, 55.8853, 26.3728, 16.07.2021, 4♀, lg. O.Borodin; 55.8694, 26.3256, mixed forest, 16.07.2021, 2♀, lg. O.Borodin; Vecsalienas parish, 55.8750, 26.8708, 03.07.2021, 1♂, lg. O.Borodin, 55.8819, 26.8606, floodplain Daugava river, 03.07.2021, 4♂6♀, lg. O.Borodin; 55.8917, 26.7733, mixed forest, 03.07.2021, 1♀, lg. O.Borodin. **Krāslava district**, Robežnieki parish, Ieviņas, 55.9803, 27.6251, light trap, 21.07.2022, 2♀, lg. O.Borodin. **Ludza district**, Malnava parish, Akmentiņi, 56.8116, 27.7907, light trap, 03.07.2021, 1♂1♀, lg. O.Borodin. **Rēzekne district**, Silmala parish, Baltmuiža, 56.4250, 26.9423, light trap, 08.07.2021, 1♀, lg. O.Borodin.

Dikraneurini McAtee, 1926**Erythria Fieber, 1866**

Erythria aureola (Fallen, 1806) – (Vilbaste 1974).

Emelyanoviana Anufriev, 1970

Emelyanoviana mollicca (Boheman, 1845) – (Vilbaste 1974). **Balvi district**, Baltinava parish, Baltinava, 16.06.1967, 1♂4♀, lg. J.Vilbaste.

Dikraneura Hardy, 1850

Dikraneura variata* Hardy, 1850 – **Augšdaugava district, Līksna parish, 55.9186, 26.5386, 02.06.2021, 1♂8♀, lg. O.Borodin.

Igutettix Matsumura, 1932

Igutettix oculata* (Lindberg, 1929) – **Augšdaugava district, Vecsaliena parish, 55.8917, 26.7733, mixed forest, 03.07.2021, 11♂15♀, lg. O.Borodin. **Ludza district**, Malnava parish, Akmentiņi, 56.8116, 27.7907, light trap, 03.07.2021, 2♂1♀, lg. O.Borodin; 10.07.2021, 1♀, lg. O.Borodin; 19.07.2022, 1♂, lg. O.Borodin; 01.08.2022, 1♂, lg. O.Borodin.

Wagneriala Anufriev, 1970

Wagneriala minima (Sahlberg, J., 1871) – (Vilbaste 1974). **Augšdaugava district**, Dviete parish, Dviete, 06.07.1969, 1♀, 2 larv., lg. J.Vilbaste.

Forcipata DeLong & Caldwell, 1936

Forcipata citrinella (Zetterstedt, 1828) – (Vilbaste 1974). **Līvāni district**, Rožupe parish, 56.4042, 26.2528, 09.09.2021, pine forest, 1♂, lg. O.Borodin; Rudzāti parish, Rudžeti, 20.06.1967, 1♂2♀, lg. J.Vilbaste. **Ludza district**, Malnava parish, Akmentiņi, 56.8116, 27.7907, light trap, 03.07.2021, 1♂, lg. O.Borodin; 10.07.2021, 1♂, lg. O.Borodin; Pilda parish, Vientuļnieki, 56.4055, 27.7884, light trap, 1♂1♀, 27.07.2022, 1♂, lg. O.Borodin; 10.08.2022, 2♂1♀, lg. O.Borodin. **Rēzekne district**, Silmala parish, Baltmuiža, 56.4250, 26.9423, light trap, 29.06.2022, 1♂1♀, lg. O.Borodin.

Forcipata forcipata (Flor, 1861) – (Vilbaste 1974).

Notus Fieber, 1866

Notus flavipennis (Zetterstedt, 1828) – (Vilbaste 1974). **Krāslava district**, Izvalta parish, Tukāni, 55.9737, 27.0088, light trap, 21.06.2021, 1♂, lg. O.Borodin. **Ludza district**, Malnava parish, Akmentiņi, 56.8116, 27.7907, light trap, 29.06.2022, 1♂, lg. O.Borodin; Pilda parish, Vientuļnieki, 56.4055, 27.7884, light trap, 16.08.2022, 1♂1♀, lg. O.Borodin.

Empoascini Distant, 1908

Kybos Fieber, 1866

Kybos butleri (Edwards, 1908) – (Vilbaste 1974).

Kybos lindbergi (Linnavuori, 1951) – (Vilbaste 1974). **Augšdaugava district**, Dviete parish, Dviete, 06.07.1969, 3♂10♀, lg. J.Vilbaste. **Krāslava district**, Izvalta parish, Tukāni, 55.9737, 27.0088, light trap, 21.06.2021, 3♂, lg. O.Borodin. **Rēzekne district**, Lendži parish, Lendzi, 30.06.1964, 1♂, lg. J.Vilbaste; Silmala parish, Baltmuiža, 56.4250, 26.9423, light trap, 25.08.2022, 2♂, lg. O.Borodin.

Kybos oshanini Zachvatkin, 1953 – (Vilbaste 1974). **Rēzekne district**, Bērzgale parish, Bērzgale, 08.07.1969, 3♂, lg. J.Vilbaste.

Kybos populi (Edwards, 1908) – (Vilbaste 1974). **Ludza district**, Pilda parish, Vientuļnieki, 56.4055 27.7884, light trap, 16.08.2022, 1♂, lg. O.Borodin.

Kybos rufescens (Melichar, 1896) – **Krāslava district**, Piedruja parish, Piedruja, 02.07.1964, 1♂, lg. J.Vilbaste. **Ludzas district**, Nirzas parish, Nirza, 17.06.1967, 1♂1♀, lg. J.Vilbaste.

Kybos smaragdulus (Fallen, 1806) – (Vilbaste 1974). **Krāslava district**, Auleja parish, Auleja, 18.06.1967, 1♀, lg. J.Vilbaste. **Rēzekne district**, Silmala parish, Baltmuiža, 56.4250, 26.9423, light trap, 29.06.2022, 3♂2♀, lg. O.Borodin.

Kybos strigilifer (Ossiannilsson, 1941) – **Ludza district**, Malnava parish, Akmentiņi, 56.8116, 27.7907, light trap, 03.07.2021, 1♂, lg. O.Borodin.

Kybos virgator (Ribaut, 1933) – (Vilbaste 1974). **Augšdaugava district**, Daugavpils, 01.07.1964, 7♂14♀, lg. J.Vilbaste. **Balvi district**, Tilža parish, Kapessils, 09.07.1969, 1♂, lg. A.Vilbaste. **Krāslava district**, Piedruja parish, Piedruja, 02.07.1964, 1♂, lg. J.Vilbaste. **Rēzekne district**, Bērzgale parish, Bērzgale, 08.07.1969, 10♂7♀, lg. J.Vilbaste.

Hebata DeLong, 1931

***Hebata affinis Nast, 1937** – **Līvāni district**, Rudzāti parish, The Great Pelečare Swamp, peatbog, 56.4603, 26.5128, 10.09.2021, 1♂, lg. O.Borodin.

***Hebata decipiens Paoli, 1930** – **Augšdaugava district**, Bebrene parish, Draudziņi, 55.9966, 26.1267, light trap, 03.07.2022, 1♂, lg. O.Borodin; 06.08.2022, 2♂1♀, lg. O.Borodin. **Krāslava district**, Izvalta parish, Tukāni, 55.9737, 27.0088, light trap, 12.08.2022, 1♂, lg. O.Borodin. **Ludza district**, Malnava parish, Akmentiņi, 56.8116, 27.7907, light trap, 01.08.2022, 1♂, lg. O.Borodin.

***Hebata kontkaneni Ossiannilsson, 1949** – **Līvāni district**, Rožupe parish, 56.4042, 26.2528, 09.09.2021, pine forest, 5♂3♀, lg. O.Borodin.

Hebata solani (Curtis, 1846) – (Vilbaste 1974).

Hebata vitis (Gothe, 1875) – (Vilbaste 1974). **Augšdaugava district**, Bebrene parish, Draudzīni, 55.9966, 26.1267, light trap, 06.08.2022, 1♂1♀, lg. O.Borodin; Līksna parish, 55.9186, 26.5386, 02.06.2021, 1♂3♀, lg. O.Borodin; Svente parish, Svente lake, 55.8736, 26.3525, 16.07.2021, 1♂, lg. O.Borodin; 55.8694, 26.3256, mixed forest, 16.07.2021, 11♂11♀, lg. O.Borodin; 55.8828, 26.3339, 16.07.2021, 1♂, lg. O.Borodin; Vecsaliena parish, 55.8917, 26.7733, mixed forest, *Ulmus glabra*, 03.07.2021, 1♂1♀, lg. O.Borodin. **Preiļi district**, Preiļi parish, Anspoki, 20.06.1967, 3♂3♀, 1 larv., lg. J.Vilbaste.

Chlorita Fieber, 1872

Chlorita dumosa (Ribaut, 1933) – (Vilbaste 1974). **Balvi district**, Baltinava parish, Baltinava, 16.06.1967, 1♂1♀, lg. J.Vilbaste (Vilbaste, 1974)

Chlorita paoliī (Ossiannilsson, 1939) – (Vilbaste 1974). **Augšdaugava district**, Eglaine parish, 55.9622, 26.1442, upland meadow, 13.07.2021, 1♂1♀, lg. O.Borodin. **Balvi district**, Baltinava parish, Baltinava, 16.06.1967, 15♂28♀, lg. J.Vilbaste.

Chlorita viridula (Fallen, 1806) – (Vilbaste 1974). **Krāslava district**, Piedruja parish, Piedruja, 14.06.1967, 1♂, lg. J.Vilbaste.

Typhlocybini Kirschbaum, 1868

Edwardsiana Zachvatkin, 1929

Edwardsiana alnicola (Edwards, 1924) – (Vilbaste 1974).

Edwardsiana bergmani (Tullgren, 1916) – (Vilbaste 1974). **Balvi district**, Tilža parish, Kapessils, 09.07.1969, 2♂, lg. A.Vilbaste (Vilbaste, 1974). **Krāslava district**, Izvalta parish, Tukāni, 55.9737, 27.0088, light trap, 21.06.2021, 1♂, lg. O.Borodin. **Ludza district**, Malnava parish, Akmentiņi, 56.8116, 27.7907, light trap, 03.07.2021, 1♂, lg. O.Borodin. **Rēzekne district**, Silmala parish, Baltmuiža, 56.4250, 26.9423, light trap, 29.06.2022, 2♂, lg. O.Borodin; 29.07.2022, 1♂, lg. O.Borodin.

Edwardsiana candidula (Kirschbaum, 1868) – (Vilbaste 1974). **Krāslavas district**, Krāslava, 02.07.1964, 7♂8♀, 1 larv., lg. J.Vilbaste (Vilbaste, 1974).

Edwardsiana geometrica (Schränk, 1801) – (Vilbaste 1974). **Augšdaugava district**, Bebrene parish, Draudzīni, 55.9966, 26.1267, light trap, 10.07.2021, 1♂, lg. O.Borodin; 06.08.2022, 5♂3♀, lg. O.Borodin. **Krāslava district**, Izvalta parish, Tukāni, 55.9737, 27.0088, light trap, 26.07.2022, 3♂4♀, lg. O.Borodin; 04.08.2022, 3♂, lg. O.Borodin, 12.08.2022, 1♂1♀, lg. O.Borodin; Krāslava, 02.07.1964, 1♂, lg. J.Vilbaste. **Ludza district**, Malnava parish, Akmentiņi, 56.8116, 27.7907, light trap, 03.07.2021, 2♂1♀, lg. O.Borodin; 10.07.2021, 3♂5♀, lg. O.Borodin; 01.08.2022, 3♂1♀, lg. O.Borodin; Pilda parish, Vientuļnieki, 56.4055, 27.7884, light trap, 27.07.2022, 1♂, lg. O.Borodin; 10.08.2022, 1♀, lg. O.Borodin. **Rēzekne district**, Silmala parish, Baltmuiža, 56.4250, 26.9423, light trap, 08.07.2021, 3♂2♀, lg. O.Borodin; 05.07.2022, 3♀, lg. O.Borodin; 12.07.2022, 2♀, lg. O.Borodin; 29.07.2022, 1♂1♀, lg. O.Borodin; 25.08.2022, 1♂, lg. O.Borodin.

Edwardsiana gratiosa* (Boheman, 1852) – **Ludza district, Pilda parish, Vientuļnieki, 56.4055, 27.7884, light trap, 16.08.2022, 1♂, lg. O.Borodin.

Edwardsiana menzbieri Zachvatkini, 1948 – (Vilbaste 1974). **Krāslava district**, Krāslava, 18.06.1967, 1♂, lg. J.Vilbaste. **Ludza district**, Malnava parish, Akmentiņi, 56.8116, 27.7907, light trap, 01.08.2022, 1♂, lg. O.Borodin; Pilda parish, Vientuļnieki, 56.4055, 27.7884, light trap, 16.08.2022, 1♂, lg. O.Borodin.

Edwardsiana prunicola* (Edwards, 1914) – **Rēzekne district, Silmala parish, Baltmuiža, 56.4250, 26.9423, light trap, 29.06.2022, 1♂, lg. O.Borodin.

Edwardsiana salicicola (Edwards, 1885) – (Vilbaste 1974). **Rēzekne district**, Bērzgale parish, Bērzgale, 08.07.1969, 1♂1♀, lg. J.Vilbaste (Vilbaste 1974).

Edwardsiana sociabilis* (Ossiannilsson, 1936) – **Ludza district, Pilda parish,

Vientuļnieki, 56.4055 27.7884, light trap, 16.08.2022, 2♂, lg. O.Borodin.

***Edwardsiana soror* (Linnavuori, 1950)** – (Vilbaste 1974). **Ludza district**, Pilda parish, Vientuļnieki, 56.4055 27.7884, light trap, 10.08.2022, 1♂, lg. O.Borodin; 16.08.2022, 1♂, lg. O.Borodin. **Rēzekne district**, Nagļi parish, Nagļi, 05.07.1969, 3♂3♀, lg. A.Vilbaste.

!Edwardsiana spinigera (Edwards, 1924) – **Augšdaugava district**, Vecsaliena parish, 55.8819, 26.8606, floodplain Daugava river, 03.07.2021, 2♂, lg. O.Borodin. **Krāslava district**, Izvalta parish, Tukāni, 55.9737, 27.0088, light trap, 12.08.2022, 1♂1♀, lg. O.Borodin.

Eupterycyba Dlabola, 1958

***Eupterycyba jucunda (Herrich-Schäffer, 1837)** – **Ludza district**, Pilda parish, Vientuļnieki, 56.4055 27.7884, light trap, 16.08.2022, 2♂, lg. O.Borodin.

Linnavuoriana Dlabola, 1958

***Linnavuoriana sexmaculata (Hardy, 1850)** – **Augšdaugava district**, Vecsaliena parish, 55.8819, 26.8606, floodplain Daugava river, 03.07.2021, 1♂, lg. O.Borodin. **Ludza district**, Pildas parish, Vientuļnieki, 56.4055, 27.7884, light trap, 10.08.2022, 3♂, lg. O.Borodin; 16.08.2022, 2♂, lg. O.Borodin.

Ribautiana Zachvatkin, 1947

***Ribautiana ulmi* (Linnaeus, 1758)** – (Vilbaste 1974). **Augšdaugava district**, Vecsaliena parish, 55.8917, 26.7733, mixed forest, *Ulmus glabra*, 03.07.2021, 4♂5♀, lg. O.Borodin.

***Typhlocyba* Germar, 1833**

***Typhlocyba quercus* (Fabricius, 1777)** – (Vilbaste 1974). **Augšdaugava district**, Bebrene parish, Draudziņi, 55.9966, 26.1267, light trap, 03.07.2022, 2♂, lg. O.Borodin; Vecsaliena parish, 55.8819, 26.8606, floodplain Daugava river, 03.07.2021, 2♀, lg. O.Borodin; Akmentiņi, 56.8116, 27.7907, light trap, 05.07.2022, 2♂2♀, lg. O.Borodin. **Ludza district**, Malnava parish, Akmentiņi,

56.8116, 27.7907, light trap, 19.07.2022, 1♂, lg. O.Borodin. **Rēzekne district**, Bērzgale parish, Bērzgale, 08.07.1969, 1♂, lg. J.Vilbaste.

Eurhadina Haupt, 1929

***Eurhadina concinna* (Germar, 1831)** – (Vilbaste 1974). **Augšdaugava district**, Bebrene parish, Draudziņi, 55.9966, 26.1267, light trap, 03.07.2022, 2♂, lg. O.Borodin. **Ludza district**, Malnava parish, Akmentiņi, 56.8116, 27.7907, light trap, 10.07.2021, 1♂2♀, lg. O.Borodin; Pilda parish, Vientuļnieki, 56.4055, 27.7884, light trap, 10.08.2022, 2♂, lg. O.Borodin. **Rēzekne district**, Lendži parish, Lendzi, 30.06.1964, 1♀, lg. J.Vilbaste (Vilbaste, 1974); Silmala parish, Baltmuiža, 56.4250, 26.9423, light trap, 05.07.2022, 3♂, lg. O.Borodin.

***Eurhadina pulchella* (Fallen, 1806)** – (Vilbaste 1974). **Augšdaugava district**, Bebrene parish, Draudziņi, 55.9966, 26.1267, light trap, 03.07.2022, 2♂, lg. O.Borodin. **Ludza district**, Malnava parish, Akmentiņi, 56.8116, 27.7907, light trap, 03.07.2021, 1♂, lg. O.Borodin; 10.07.2021, 7♂, lg. O.Borodin; Pilda parish, Vientuļnieki, 56.4055, 27.7884, light trap, 27.07.2022, 1♂, lg. O.Borodin; 16.08.2022, 2♂, lg. O.Borodin. **Rēzekne district**, Silmala parish, Baltmuiža, 56.4250, 26.9423, light trap, 05.07.2022, 1♂2♀, lg. O.Borodin; 29.07.2022, 1♂, lg. O.Borodin.

***Eupteryx* Curtis, 1833**

***Eupteryx atropunctata* (Goeze, 1778)** – (Vilbaste 1974).

***Eupteryx aurata* (Linnaeus, 1758)** – (Vilbaste 1974).

***Eupteryx calcarata* (Ossiannilsson, 1936)** – (Vilbaste 1974). **Augšdaugava district**, Vecsaliena parish, 55.8917, 26.7733, mixed forest, 03.07.2021, 1♂, lg. O.Borodin. **Preiļi district**, Preiļi parish, Anspoki, 20.06.1967, 1♂2♀, lg. J.Vilbaste. **Rēzekne district**, Bērzgale parish, Bērzgale, 09.07.1969, 1♂6♀, lg. J.Vilbaste.

***Eupteryx cyclops* Matsumura, 1906** – (Vilbaste 1974). **Preiļi district**, Preiļi parish, Anspoki, 20.06.1967, 1♂1♀, lg. J.Vilbaste;

Krāslava district, Auleja parish, Auleja, 18.06.1967, 10♂4♀, lg. J.Vilbaste.

Eupteryx notata Curtis, 1837 – (Vilbaste 1974).

Eupteryx origani Zachvatkin, 1948 – (Vilbaste 1974).

Eupteryx stachydearum (Hardy, 1850) – (Vilbaste 1974). **Krāslava district**, Piedruja parish, Piedruja, 19.06.1967, 1♀, lg. J.Vilbaste.

Eupteryx tenella (Fallen, 1806) – (Vilbaste 1974). **Rēzekne district**, Nagļi parish, Nagļi, 05.07.1969, 1♀, lg. A.Vilbaste.

Eupteryx urticae (Fabricius, 1803) – (Vilbaste 1974). **Rēzekne district**, Nagļi parish, Nagļi, 05.07.1969, 2♂3♀, lg. A.Vilbaste.

Eupteryx vittata (Linnaeus, 1758) – (Vilbaste 1974). **Augšdaugava district**, Vecsaliena parish, Šilovka, 02.07.1964, 3♂4♀, lg. J.Vilbaste. **Krāslava district**, Piedruja parish, Piedruja, 19.06.1967, 1♂, lg. J.Vilbaste.

Aguriahana Distant, 1918

Aguriahana germari (Zetterstedt, 1840) – (Vilbaste 1974). **Ludza district**, Pilda parish, Vientuļņieki, 56.4055 27.7884, light trap, 10.08.2022, 1♀, lg. O.Borodin. **Rēzekne district**, Nagļi parish, Nagļi, 05.07.1969, 1♂, lg. A.Vilbaste; Silmala parish, Baltmuiža, 56.4250, 26.9423, light trap, 12.07.2022, 2♂1♀, lg. O.Borodin; 29.07.2022, 1♂7♀, lg. O.Borodin.

Aguriahana pictilis (Stål, 1853) – (Vilbaste 1974). **Rēzekne district**, Mākonkalns parish, Ilzas ezers, 30.06.1964, 1♀, lg. J.Vilbaste (Vilbaste 1974).

Erythroneurini Young Jr., 1952

Alnetoidia Dlabola, 1958

Alnetoidia alneti (Dahlbom, 1850) – (Vilbaste 1974). **Augšdaugava district**, Bebrene parish, Draudziņi, 55.9966, 26.1267, light trap, 10.07.2021, 1♂, lg. O.Borodin; Vecsaliena parish, 55.8917, 26.7733, mixed forest, *Ulmus glabra*, 03.07.2021, 1♂1♀, lg. O.Borodin. **Krāslava district**, Robežnieki parish, Ieviņas, 55.9803, 27.6251, light trap, 21.07.2022, 2♂1♀, lg. O.Borodin. **Rēzekne**

district, Nagļi parish, Nagļi, 05.07.1969, 1♂, lg. A.Vilbaste.

Zyginidia Haupt, 1929

Zyginidia viaduensis (Wagner, 1941) – (Vilbaste 1974). **Augšdaugava district**, Dau-gavpils, 06.07.1969, 12♂13♀, lg. J.Vilbaste. **Krāslavas district**, Krāslava, 19.06.1967, 5♂16♀, lg. J.Vilbaste (Vilbaste 1974); Pie-druja parish, Piedruja, 19.06.1967, 103♂70f, lg. J.Vilbaste (Vilbaste 1974).

Zygina Fieber, 1866

Zygina flammigera (Fourcroy, 1785) – **Ludza district**, Kreiči marsh, 56.7283, 27.8564, 26.08.2021, 1♂1♀, lg. O.Borodin; Malnava parish, Akmentiņi, 56.8116, 27.7907, light trap, 01.08.2022, 1♀, lg. O.Borodin.

Zygina rubrovittata (Lethierry, 1869) – (Vilbaste, 1974).

Arboridia Zachvatkin, 1946

Arboridia parvula* (Boheman, 1845) – **Augšdaugava district, Līksna parish, 55.9186, 26.5386, 02.06.2021, 1♂, lg. O.Borodin; Vaboles parish, 55.9853, 26.5108, pine forest, 16.09.2021, 1♂1♀, lg. O.Borodin. **Ludza district**, Pilda parish, Vientuļņieki, 56.4055 27.7884, light trap, 16.08.2022, 3♂2♀, lg. O.Borodin.

Deltocephalinae Dallas, 1870

Eupelicini Sahlberg, 1871

Eupelix Germar, 1821

Eupelix cuspidata (Fabricius, 1775) – (Vilbaste 1974).

Koebeliini Baker, 1897

Grypotes Fieber, 1866

Grypotes puncticollis (Herrich-Schäffer, 1834) – (Vilbaste 1974). **Ludza district**, Pilda parish, Vientuļņieki, 56.4055 27.7884, light trap, 16.08.2022, 1♀, lg. O.Borodin.

Opsiini Emeljanov, 1962

Neoaliturus Distant, 1918

Neoaliturus fenestratus (Herrich-Schäffer, 1834) – (Vilbaste 1974). **Augšdaugava**

district, Daugavpils, 01.07.1964, 5♀, lg. J.Vilbaste.

Neoaliturus guttulatus (Kirschbaum, 1868) – Augšdaugava district, Daugavpils, 01.07.1964, 7♂1♀, lg. J.Vilbaste.

Macrostelini Kirkaldy, 1906

Coryphaeus Puton, 1886

Coryphaeus gyllenhalii (Fallén, 1826) – (Vilbaste 1974).

Balclutha Kirkaldy, 1900

Balclutha calamagrostis Ossiannilsson, 1961 – (Vilbaste 1974).

Balclutha punctata (Fabricius, 1775) – (Vilbaste 1974). Augšdaugava district, Līksna parish, 55.9186, 26.5386, 02.06.2021, 11♂7♀, lg. O.Borodin; Saliēna parish, 55.8428, 26.9183, Pogulyanka river, floodplain, 03.07.2021, 1♀, lg. O.Borodin; Svēte parish, 55.8847, 26.3406, upland meadow, 16.07.2021, 6♂4♀, lg. O.Borodin; 55.8694, 26.3256, mixed forest, 16.07.2021, 3♂1♀, lg. O.Borodin; 55.8828, 26.3339, 16.07.2021, 2♂, lg. O.Borodin; Svēte lake, 55.8853, 26.3728, 16.07.2021, 1♀, lg. O.Borodin; 55.8736, 26.3525, 16.07.2021, 3♂1♀, lg. O.Borodin; Tabore parish, 55.9117, 26.6753, 02.06.2021, 4♂2♀, lg. O.Borodin; 55.9142, 26.6833, 02.06.2021, 1♂5♀, lg. O.Borodin; Vabole parish, 55.9853, 26.5108, pine forest, 16.09.2021, 2♂3♀, lg. O.Borodin. Balvi district, Krišjāni parish, 56.8225, 27.3289, pine forest, 26.08.2021, 4♂2♀, lg. O.Borodin; Rugāji parish, 56.9725, 27.2294, pine forest, 26.08.2021, 3♂2♀, lg. O.Borodin. Krāslava district, Robežnieki parish, 55.9511, 27.4847, 11.07.2021, 6♂9♀, lg. O.Borodin; 55.9719, 27.6389, 11.07.2021, 1♂2♀, lg. O.Borodin. Līvāni district, Jersika parish, 56.2583, 26.2314, 09.06.2021, 4♂6♀, lg. O.Borodin; 56.2583, 26.2522, 09.09.2021, peatbog, 3♂6♀, lg. O.Borodin; 56.2539, 26.2239, 09.06.2021, 2♀, lg. O.Borodin; Rudzāti parish, Rudzēti, 20.06.1967, 2♂2♀, lg. J.Vilbaste; The Great Pelečare Swamp, 56.4514, 26.5097, 10.09.2021, 2♂, lg. O.Borodin; 56.4603, 26.5128, 10.09.2021, 3♂3♀, lg. O.Borodin; 56.4042, 26.2528, 09.09.2021,

pine forest, 3♂8♀, lg. O.Borodin. Ludza district, Kreiči marsh, 56.7283, 27.8564, 26.08.2021, 1♂1♀, lg. O.Borodin; Malnava parish, Akmentiņi, 56.8116, 27.7907, light trap, 05.07.2022, 1♀, lg. O.Borodin; Pilda parish, Vientuļnieki, 56.4055, 27.7884, light trap, 27.07.2022, 2♂2♀, lg. O.Borodin; Salnava parish, 56.8217, 27.4339, pine forest, 26.08.2021, 3♂2♀, lg. O.Borodin.

Macrosteles Fieber, 1866

**Macrosteles cyane* (Boheman, 1845) – Jēkabpils district, Vīpe parish, Ezermuiža, 56.4377, 26.1523, light trap, 07-12.07.2022, 5♂3♀, lg. O.Borodin. Krāslava district, Izvalta parish, Tukāni, 55.9737, 27.0088, light trap, 21.06.2021, 2♀, lg. O.Borodin. Ludza district, Pilda parish, Vientuļnieki, 56.4055, 27.7884, light trap, 28.06.2022, 2♀, lg. O.Borodin; 16.08.2022, 1♀, lg. O.Borodin. Rēzekne district, Silmāla parish, Baltmuiža, 56.4250, 26.9423, light trap, 29.06.2022, 1♂1♀, lg. O.Borodin.

Macrosteles frontalis (Scott, 1875) – (Vilbaste 1974). Augšdaugava district, Daugavpils, 01.07.1964, 2♀, lg. J.Vilbaste; Krāslavas district, Krāslava, 18.06.1967, 7♂7♀, lg. J.Vilbaste; Piedruja parish, Piedruja, 19.06.1967, 7♂1♀, 2 larv., lg. J.Vilbaste.

Macrosteles horvathi (W. Wagner, 1935) – (Vilbaste 1974). Krāslava district, Krāslava, 18.06.1967, 5♂10♀, 1 larv., lg. J.Vilbaste. Preiļi district, Rušona parish, Eikša ezers, 20.06.1967, 19♂18♀, lg. O.Borodin.

Macrosteles laevis (Ribaut, 1927) – (Vilbaste 1974). Augšdaugava district, Bebrene parish, Draudzīni, 55.9966, 26.1267, light trap, 06.08.2022, 5♂7♀, lg. O.Borodin; Vecsalienas parish, 55.8917, 26.7733, floodplain Daugava river, 03.07.2021, 1♂, lg. O.Borodin. Balvi district, Baltinava parish, Baltinava, 16.06.1967, 1♀, lg. J.Vilbaste; Krāslavas district, Krāslava, 02.07.1964, 1♂, lg. J.Vilbaste; Līvāni district, Rudzāti parish, Rudzēti, 20.06.1967, 2♂, 5 larv., lg. J.Vilbaste. Ludza district, Mērdzene parish, Mērdzene, 16.06.1967, 1♀, lg. J.Vilbaste. Rēzekne district, Silmāla parish, Baltmuiža,

56.4250, 26.9423, light trap, 29.06.2022, 3♂, lg. O.Borodin.

Macrosteles ossianilssoni (Lindberg, 1954) – (Vilbaste 1974). **Preiļi district**, Rušona parish, Eikša ezers, 20.06.1967, 8♂6♀, lg. J.Vilbaste.

Macrosteles quadripunctulatus (Kirschbaum, 1868) – (Vilbaste 1974). **Augšdaugava district**, Daugavpils, 01.07.1964, 3♀, lg. J.Vilbaste. **Krāslava district**, Piedruja parish, Piedruja, 19.07.1967, 1♀, lg. E.Remm.

Macrosteles variatus (Fallen, 1806) – (Vilbaste, 1974).

Macrosteles viridigriseus (Edwards, 1924) – (Vilbaste 1974). **Preiļi district**, Rušona parish, Eikša ezers, 20.06.1967, 15♂2♀, lg. J.Vilbaste.

Sagatus Ribaut, 1948

Sagatus punctifrons (Fallen, 1826) – (Vilbaste 1974). **Augšdaugava district**, Bebrene parish, Draudziņi, 55.9966, 26.1267, light trap, 10.07.2021, 2♀, lg. O.Borodin; 06.08.2022, 1♀; 14.08.2022, 1♂, lg. O.Borodin. **Ludzas district**, Malnava parish, Akmentiņi, 56.8116, 27.7907, light trap, 05-10.07.2021, 1♀, lg. O.Borodin; 01.08.2022, 1♀, lg. O.Borodin; Pilda parish, Vientuļnieki, 56.4055, 27.7884, light trap, 27.07.2022, 1♀, lg. O.Borodin, 10.08.2022, 3♀, lg. O.Borodin. **Krāslava district**, Izvalta parish, Tukāni, 55.9737, 27.0088, light trap, 26.07.2022, 3♀, lg. O.Borodin; 04.08.2022, 1♀, lg. O.Borodin; Robežnieku parish, 55.9511, 27.4847, 11.07.2021, 4♀, lg. O.Borodin. **Rēzekne district**, Silmala parish, Baltmuiža, 56.4250, 26.9423, light trap, 08.07.2021, 3♀, lg. O.Borodin; 29.07.2022, 1♀, lg. O.Borodin; 25.08.2022, 2♀, lg. O.Borodin.

Deltocephalini Dallas, 1870

Deltocephalus Burmeister, 1838

Deltocephalus pulicaris (Fallen, 1806) – (Vilbaste 1974).

Chiasmmini Distant, 1908

Doratura Sahlberg, 1871

Doratura exilis Horvath, 1903 – (Vilbaste 1974). **Augšdaugava district**, Dviete parish,

Dviete, 06.07.1969, 1♂, 1 larv., lg. J.Vilbaste. **Krāslava district**, Piedruja parish, Piedruja, 18.06.1967, 9♂1♀, lg. J.Vilbaste.

Doratura homophyla (Flor, 1861) – (Vilbaste, 1974). **Balvi district**, Tilža parish, Tilža, 09.07.1969, 7♂2♀, lg. J.Vilbaste. **Krāslava district**, Krāslava, 10 km E, 18.06.1967, 1♂1♀, 6 larv., lg. J.Vilbaste. **Ludza district**, Salnava parish, Salnava, 09.07.1969, 1♀, 2 larv., lg. J.Vilbaste. **Rēzekne district**, Mākonkalns parish, Ilzas ezers, 31.06.1964, 3♀, lg. J.Vilbaste.

Doratura impudica Horvath, 1897 – (Vilbaste 1974). **Augšdaugava district**, Dviete parish, Dviete, 06.07.1969, 1♂, 2 larv., lg. J.Vilbaste.

Doratura stylata (Boheman, 1847) – (Vilbaste 1974). **Augšdaugava district**, Vecsaliena parish, 55.8917, 26.7733, floodplain Daugava river, 03.07.2021, 1♂, lg. O.Borodin. **Līvāni district**, Rožupe parish, 56.4042, 26.2528, 09.09.2021, pine forest, 2♀, lg. O.Borodin.

Cicadulini Van Duzee, 1892

Rhopalopyx Ribaut, 1939

Rhopalopyx preysleri (Herrich-Schäffer, 1838) – (Vilbaste 1974). **Augšdaugava district**, Dviete parish, Dviete, 06.07.1969, 1 larv., lg. J.Vilbaste.

Elymana DeLong, 1936

***Elymana kozhevnikovi (Zachvatkini, 1938)** – **Augšdaugava district**, Svente parish, 55.8828, 26.3339, 16.07.2021, 1♂, lg. O.Borodin. **Balvu district**, Rugāji parish, 56.9725, 27.2294, pine forest, 26.08.2021, 1♂, lg. O.Borodin.

Elymana sulphurella (Zetterstedt, 1828) – (Vilbaste 1974). **Krāslava district**, Robežnieki parish, 55.9719, 27.6389, 11.07.2021, 1♂3♀, lg. O.Borodin. **Ludza district**, Malnava parish, Akmentiņi, 56.8116, 27.7907, light trap, 01.08.2022, 1♂1♀, lg. O.Borodin.

Cicadula Zetterstedt, 1840

Cicadula flori (J. Sahlberg, 1871) – (Vilbaste 1974). **Ludza district**, Malnava parish,

Akmentiņi, 56.8116, 27.7907, light trap, 03.07.2021, 1♂, lg. O.Borodin; Pilda parish, Vientuļnieki, 56.4055 27.7884, light trap, 16.08.2022, 1♂, lg. O.Borodin.

***Cicadula frontalis (Herrich-Schäffer, 1835) – Ludza district**, Pilda parish, Vientuļnieki, 56.4055 27.7884, light trap, 10.08.2022, 1♂, 16.08.2022, 1♂, lg. O.Borodin.

Cicadula persimilis (Edwards, 1920) – (Vilbaste 1974). Ludza district, Malnava parish, Akmentiņi, 56.8116, 27.7907, light trap, 01.08.2022, 1♂, lg. O.Borodin.

Cicadula quadripunctata (de Villers, 1789) – (Vilbaste 1974). Augšdaugava district, Bebrene parish, Draudzīni, 55.9966, 26.1267, light trap, 03.07.2022, 1♂, lg. O.Borodin; 06.08.2022, 1♂, lg. O.Borodin; Daugavpils, 01.07.1964, 3 larv., lg. J.Vilbaste; Svente parish, 55.8847, 26.3406, upland meadow, 16.07.2021, 1♂, lg. O.Borodin. **Krāslava district**, Izvalta parish, Tukāni, 55.9737, 27.0088, light trap, 21.06.2021, 1♂, lg. O.Borodin; Krāslava, 10 km E, 18.06.1967, 4♂1♀, 2 larv., lg. J.Vilbaste. **Ludza district**, Pilda parish, Vientuļnieki, 56.4055 27.7884, light trap, 16.08.2022, 1♂, lg. O.Borodin.

Cicadula quinquenotata (Boheman, 1845) – (Vilbaste 1974).

Limotettigini Baker, 1915

Ophiola Edwards, 1922

Ophiola cornicula (Marshall, 1866) – (Vilbaste 1974).

Ophiola decumanus (Kontkanen, 1949) – (Vilbaste 1974). Krāslava district, Krāslava, 02.07.1964, 1♀, lg. J.Vilbaste.

Ophiola russeola (Fallen, 1826) – (Vilbaste 1974). Ludza district, Zaļesje parish, Troški, 20.06.1967, 1 larv., lg. J.Vilbaste.

Ophiola transversus (Fallen, 1826) – (Vilbaste 1974).

Limotettix Sahlberg, 1871

Limotettix striola (Fallen, 1806) – Augšdaugava district, Daugavpils, 11.07.1964, 1♂1♀, 1 larv., lg. J.Vilbaste. **Rēzekne district**, Bērzgale parish, Bērzgale, 08.07.1969, 1 larv., lg. O.Borodin; Silmala parish, Baltmuiža,

56.4250, 26.9423, light trap, 29.06.2022, 1♂1♀, lg. O.Borodin; 29.07.2022, 1♂, lg. O.Borodin.

Athysanini Van Duzee, 1892

Platymetopius Burmeister, 1838

Platymetopius undatus (De Geer, 1773) – (Vilbaste 1974).

Idiodonus Ball, 1936

Idiodonus cruentatus (Panzer, 1799) – (Vilbaste 1974). Balvi district, Krišjāni parish, 56.8225, 27.3289, pine forest, 26.08.2021, 1♀, lg. O.Borodin. **Līvāni district**, Rožupe parish, 56.4183, 26.2903, 09.09.2021, 1♂, lg. O.Borodin; The Great Pelečare Swamp, peatbog, 56.4603, 26.5128, 10.09.2021, 1♀, lg. O.Borodin. **Ludza district**, Goliševa parish, 56.7508, 27.8639, peatbog, 26.08.2021, 3♂5♀, lg. O.Borodin; Salnava parish, 56.8217, 27.4339, pine forest, 26.08.2021, 1♀, lg. O.Borodin.

Lamprotettix Ribaut, 1942

***Lamprotettix nitidulus (Fabricius, 1787) – Augšdaugava district**, Bebrene parish, Draudzīni, 55.9966, 26.1267, light trap, 10.07.2021, 1♂, lg. O.Borodin; 14.08.2022, 1♂, lg. O.Borodin.

Allygidius Ribaut, 1952

Allygidius commutatus Fieber, 1872 – (Vilbaste 1974). Krāslava district, Piedruja parish, Piedruja, 02.07.1964, 2♀, lg. J.Vilbaste. **Rēzekne district**, Mākonkalns parish, Ilzas ezers, 30.06.1964, 1♀, 1 larv., lg. J.Vilbaste.

Allygus Fieber, 1875

Allygus mixtus (Fabricius, 1794) – (Vilbaste 1974). Augšdaugava district, Bebrene parish, Draudzīni, 55.9966, 26.1267, light trap, 06.08.2022, 1♀, lg. O.Borodin; 14.08.2022, 1♂, lg. O.Borodin; Vecsaliena parish, 55.8819, 26.8606, floodplain Daugava river, 03.07.2021, 1♀, lg. O.Borodin. **Krāslava district**, Robežnieku parish, Ieviņas, 55.9803, 27.6251, light trap, 15.07.2022, 1♂, lg. O.Borodin; 21.07.2022, 1♀, lg. O.Borodin;

12.08.2022, 1♂, lg. O.Borodin; **Ludza district**, Pilda parish, Vientuļnieki, 56.4055, 27.7884, light trap, 27.07.2022, 1♂, lg. O.Borodin; 10.08.2022, 1♂, lg. O.Borodin. **Preiļi district**, Aglona and Rušona parishes, Rušona Lake, 07.07.1969, 1 larv., lg. J.Vilbaste. **Rēzekne district**, Silmala parish, Baltmuiža, 56.4250, 26.9423, light trap, 25.08.2022, 1♂, lg. O.Borodin.

Graphocraerus Thomson, 1869

Graphocraerus ventralis (Fallen, 1806) – (Vilbaste 1974). **Augšdaugava district**, Vecsaliena parish, 55.8917, 26.7733, side of country road, 03.07.2021, 1♀, lg. O.Borodin. **Krāslava district**, Krāslava, 10 km E, 18.06.1967, 1♂, lg. J.Vilbaste.

Speudotettix Ribaut, 1942

Speudotettix subfuscus (Fallen, 1806) – (Vilbaste 1974). **Augšdaugava district**, Līksna parish, 55.9186, 26.5386, 02.06.2021, 1♀, lg. O.Borodin; Tabore parish, 55.9142, 26.6833, 02.06.2021, 1♂2♀, lg. O.Borodin; 55.9117, 26.6753, 02.06.2021, 1♂, lg. O.Borodin; Vecsaliena parish, Šilovka, 02.07.1964, 5♂1♀, lg. O.Borodin. **Krāslava district**, Krāslava, 18.06.1967, 1♀, lg. J.Vilbaste. **Ludza district**, Nirza parish, Nirza, 17.06.1967, 1 larv., lg. J.Vilbaste; Pilda parish, Vientuļnieki, 56.4055, 27.7884, light trap, 27.07.2022, 1♂, lg. O.Borodin.

Hesium Ribaut, 1942

Hesium domino (Reuter, 1880) – (Vilbaste, 1974). **Augšdaugava district**, Bebrene parish, Draudziņi, 55.9966, 26.1267, light trap, 10.07.2021, 1♂, lg. O.Borodin; 06.08.2022, 1♀, lg. O.Borodin. **Krāslava district**, Robežnieki parish, Ieviņas, 55.9803, 27.6251, light trap, 15.07.2022, 1♂, lg. O.Borodin; 04.08.2022, 2♀, lg. O.Borodin; 12.08.2022, 1♂, lg. O.Borodin; Vecsaliena parish, 55.8819, 26.8606, floodplain Daugava river, 03.07.2021, 1♂, lg. O.Borodin. **Ludza district**, Pilda parish, Vientuļnieki, 56.4055, 27.7884, light trap, 27.07.2022, 1♀, lg. O.Borodin; 10.08.2022, 3♂2♀, lg. O.Borodin; 16.08.2022, 1♂, lg. O.Borodin. **Rēzekne**

district, Silmala parish, Baltmuiža, 56.4250, 26.9423, light trap, 29.07.2022, 2♂, lg. O.Borodin.

Thamnotettix Zetterstedt, 1840

Thamnotettix confinis Zetterstedt, 1828 – (Vilbaste 1974). **Krāslava district**, Krāslava, 18.06.1967, 2♂1♀, lg. J.Vilbaste. **Ludza district**, Mērdzene parish, Merdzene, 16.06.1967, 3♂1♀, lg. J.Vilbaste; Nirza parish, Nirza, 17.06.1967, 1♀, 1 larv., lg. J.Vilbaste. **Preiļi district**, Preilist, 20.06.1967, 1♂, 1 larv., lg. J.Vilbaste. **Rēzekne district**, Silmala parish, Baltmuiža, 56.4250, 26.9423, light trap, 29.07.2022, 1♂, lg. O.Borodin.

Pithyotettix Ribaut, 1942

Pithyotettix abietinus (Fallen, 1806) – (Vilbaste 1974).

Macustus Ribaut, 1942

***Macustus grisescens (Zetterstedt, 1828)** – **Augšdaugava district**, Līksna parish, 55.9186, 26.5386, 02.06.2021, 1♀, lg. O.Borodin; Tabore parish, 55.9142, 26.6833, 02.06.2021, 1♀, lg. O.Borodin.

Doliotettix Ribaut, 1942

Doliotettix lunulatus (Zetterstedt, 1838) – (Vilbaste 1974).

Athysanus Burmeister, 1838

Athysanus argentarius Metcalf, 1955 – (Vilbaste 1974). **Augšdaugava district**, Medumi parish, Medumi, 15.08.1968, 2♂, lg. J.Vilbaste.

Athysanus quadrum Boheman, 1845 – (Vilbaste 1974). **Augšdaugava district**, Medumi parish, Medumi, 15.08.1968, 1♀, lg. J.Vilbaste.

Handianus Ribaut, 1942

***Handianus flavovarius (Herrich-Schäffer, 1835)** – **Augšdaugava district**, Skrudaliena parish, Ilgas, 55.6911, 26.7835, 18.07.2021, 2♂1♀, lg. O.Borodin.

Stictocoris Thomson, 1869

Stictocoris picturatus (C. Sahlberg, 1842) – (Vilbaste 1974). **Augšdaugava district**, Daugavpils, 01.07.1964, 1♂, lg. J.Vilbaste (Vilbaste, 1974).

Laburris Ribaut, 1942

Laburris impictifrons (Boheman, 1852) – (Vilbaste 1974).

Euscelidius Ribaut, 1942

Euscelidius schenckii (Kirschbaum, 1868) – (Vilbaste 1974). **Augšdaugava district**, Daugavpils, 04.07.1964, 1♂, lg. J.Vilbaste (Vilbaste, 1974).

Conosanus Osborn & Ball, 1902

***Conosanus obsoletus** Kirschbaum, 1858 – **Augšdaugava district**, Bebrene parish, Draudzīni, 55.9966, 26.1267, light trap, 10.07.2021, 1♀, lg. O.Borodin.

Euscelis Brulle, 1832

Euscelis distinguendus (Kirschbaum, 1858) – (Vilbaste 1974).

Streptanus Ribaut, 1942

Streptanus aemulans (Kirschbaum, 1868) – (Vilbaste 1974).

Streptanus marginatus (Kirschbaum, 1858) – (Vilbaste 1974). **Augšdaugava district**, Līksna parish, 55.9186, 26.5386, 02.06.2021, 12♂8♀, lg. O.Borodin.

Streptanus sordidus (Zetterstedt, 1828) – (Vilbaste 1974).

Paralimnini Distant, 1908

Paramesus Fieber, 1866

Paramesus obtusifrons (Stål, 1853) – (Vilbaste 1974).

Paralimnus Matsumura, 1902

***Paralimnus phragmitis** (Boheman, 1847) – **Augšdaugava district**, Bebrene parish, Draudzīni, 55.9966, 26.1267, light trap, 10.07.2021, 1♂, lg. O.Borodin. **Ludza district**, Malnava parish, Akmentiņi, 56.8116, 27.7907, light trap, 01.08.2022, 1♀, lg. O.Borodin; Pilda parish, Vientuļnieki, 56.4055,

27.7884, light trap, 27.07.2022, 1♂3♀, lg. O.Borodin; 10.08.2022, 1♂2♀, lg. O.Borodin. **Rēzekne district**, Silmala parish, Baltmuiža, 56.4250, 26.9423, light trap, 29.07.2022, 1♀, lg. O.Borodin.

Arocephalus Ribaut, 1946

Arocephalus languidus (Flor, 1861) – (Vilbaste 1974).

Arocephalus punctum (Flor, 1861) – (Vilbaste 1974).

Lebradea Remane, 1959

!**Lebradea flavovirens** (Gillette & Baker, 1895) – **Krāslava district**, Robežnieki parish, Ieviņas, 55.9803, 27.6251, light trap, 15.07.2022, 1♂, lg. O.Borodin. **Ludza district**, Malnava parish, Akmentiņi, 56.8116, 27.7907, light trap, 03.07.2021, 1♂; Pilda parish, Vientuļnieki, 56.4055, 27.7884, light trap, 27.07.2022, 1♂, lg. O.Borodin; 10.08.2022, 1♂3♀, lg. O.Borodin. **Rēzekne district**, Silmala parish, Baltmuiža, 56.4250, 26.9423, light trap, 29.06.2022, 2♂, lg. O.Borodin.

Psammotettix Haupt, 1929

Psammotettix alienus (Dahlbom, 1851) – (Vilbaste 1974). **Augšdaugava district**, Vecsaliena parish, Silovka, 03.07.1964, 4♂2♀, lg. J.Vilbaste. **Krāslava district**, Krāslava, 02.07.1964, 3♂5♀, 10 km E 18.06.1967, 1♂1♀, lg. J.Vilbaste.

Psammotettix cephalotes (Herrich-Schäffer, 1834) – (Vilbaste 1974).

Psammotettix confinis (Dahlbom, 1850) – (Vilbaste 1974).

Psammotettix koeleriae Zachvatkin, 1948 – (Vilbaste 1974). **Krāslava district**, Piedruja parish, Piedruja, 18.06.1962, 62♂71♀, 14 larv., lg. J.Vilbaste; 14.06.1966, 14♂5♀, lg. K.Elberg (Vilbaste, 1974).

Psammotettix nodosus (Rb., 1925) – (Vilbaste 1974).

Psammotettix pallidinervis (Dahlbom, 1851) – (Vilbaste 1974). **Augšdaugava district**, Daugavpils, 06.07.1969, 3♂3♀, lg. J.Vilbaste; Dviete parish, Dviete, 06.07.1969, 1♂, 1 larv., lg. J.Vilbaste.

Psammotettix poecilus (Flor, 1861) – (Vilbaste 1974). **Augšdaugava district**, Vecsaliena parish, Šilovka, 03.07.1964, 5♀, lg. J.Vilbaste. **Līvāni district**, Rudzāti parish, Rudžeti, 20.06.1967, 3♂1♀, 1 larv., lg. J.Vilbaste. **Preiļu district**, Aglona and Rušona parishes, Rušona Lake, 07.07.1969, 7♂, lg. J.Vilbaste.

Errastunus Ribaut, 1946

Errastunus ocellaris (Fallén, 1806) – (Vilbaste 1974). **Augšdaugava district**, Eglaine parish, 55.9622, 26.1442, upland meadow, 13.07.2021, 1♂, lg. O.Borodin. **Krāslavas district**, Piedruja parish, Piedruja, 19.06.1967, 1♂, lg. J.Vilbaste.

Turrutus Ribaut, 1946

Turrutus socialis (Flor, 1861) – (Vilbaste 1974). **Augšdaugavas district**, Daugavpils, 01.07.1964, 4♀, lg. J.Vilbaste; Eglaine parish, 55.9622, 26.1442, upland meadow, 13.07.2021, 1♂1♀, lg. O.Borodin; Saliena parish, 55.8428, 26.9183, Pogulyanka river, floodplain, 03.07.2021, 1♀, lg. O.Borodin; Vecsaliena parish, 55.8917, 26.7733, floodplain Daugava river, 03.07.2021, 1♀, lg. O.Borodin.

Jassargus Zachvatkin, 1933

Jassargus allobrogicus (Ribaut, 1936) – (Vilbaste 1974).

Jassargus alpinus* (Then, 1896) – **Augšdaugavas district, Svente parish, 55.8847, 26.3406, upland meadow, 16.07.2021, 1♂2♀, lg. O.Borodin.

Jassargus flori (Fieber, 1869) – (Vilbaste 1974).

Jassargus sursumflexus (Then, 1902) – (Vilbaste 1974).

Pinumius Ribaut, 1946

Pinumius areatus (Stål, 1858) – (Vilbaste 1974). **Krāslavas district**, Piedruja parish, Piedruja, 19.06.1967, 3♂, lg. J.Vilbaste (Vilbaste 1974)

Diplocolenus Ribaut, 1946

Diplocolenus abdominalis (Fabricius, 1803) – (Vilbaste 1974). **Augšdaugava district**, Saliena parish, 55.8428, 26.9183, Pogulyanka river, floodplain, 03.07.2021, 1♀, lg. O.Borodin.

Diplocolenus bohemani (Zetterstedt, 1838) – (Vilbaste 1974). **Līvāni district**, Rudzāti parish, Rudžeti, 20.06.1967, 5♂4♀, 1 larv., lg. J.Vilbaste.

Arthaldeus Ribaut, 1946

Arthaldeus pascuellus (Fallén, 1826) – (Vilbaste 1974).

Arthaldeus striifrons (Kirschbaum, 1868) – (Vilbaste 1974). **Krāslava district**, Robežnieki parish, 55.9511, 27.4847, 11.07.2021, 1♂, lg. O.Borodin.

Sorhoanus Ribaut, 1946

Sorhoanus assimilis (Fallén, 1806) – (Vilbaste 1974).

Cosmotettix Ribaut, 1942

Cosmotettix caudatus (Flor, 1861) – (Vilbaste 1974). **Augšdaugava district**, Svente parish, Sventa Lake, 06.07.1969, 1m, 2 larv., lg. J.Vilbaste (Vilbaste 1974). **Krāslava district**, Izvalta parish, Tukāni, 55.9737, 27.0088, light trap, 21.06.2021, 1♀, lg. O.Borodin. **Ludza district**, Malnava parish, Akmentīņi, 56.8116, 27.7907, light trap, 03.07.2021, 1♂, lg. O.Borodin; 29.06.2022, 1♀, lg. O.Borodin; Pildas parish, Vientuļnieki, 56.4055, 27.7884, light trap, 05.07.2022, 1♀, lg. O.Borodin.

Cosmotettix costalis (Fallén, 1826) – (Vilbaste 1974). **Preiļu district**, Rušona parish, Eikša ezers, 20.06.1967, 1♂, lg. J.Vilbaste.

Calamotettix Emeljanov, 1959

Calamotettix taeniatatus* (Horváth, 1911) – **Augšdaugava district, Bebrene parish, Draudziņi, 55.9966, 26.1267, light trap, 10.07.2021, 3♂2♀, lg. O.Borodin; Skrudaliena parish, Ilgas, 55.6911, 26.7835, 18.07.2021, light trap, 1♂, lg. O.Borodin. **Krāslava district**, Izvalta parish, Tukāni, 55.9737, 27.0088, light trap, 26.07.2022,

1♂1♀, lg. O.Borodin; Robežnieki parish, 55.9719, 27.6389, 11.07.2021, 1♀, lg. O.Borodin. **Ludza district**, Pilda parish, Vientuļnieki, 56.4055, 27.7884, light trap, 27.07.2022, 5♂, lg. O.Borodin; 10.08.2022, 6♀, lg. O.Borodin. **Rēzekne district**, Silmala parish, Baltmuiža, 56.4250, 26.9423, light trap, 29.07.2022, 5♂8♀, lg. O.Borodin; 25.08.2022, 1♀, lg. O.Borodin.

Mocuellus Ribaut, 1946

Mocuellus collinus (Boheman, 1850) – (Vilbaste 1974). **Augšdaugava district**, Daugavpils, 01.07.1964, 2♂3♀, lg. J.Vilbaste. **Balvi district**, Baltinava parish, Baltinava, 16.06.1967, 1♂, lg. J.Vilbaste; Tilžas parish, Tilža, 09.07.1969, 6♂7♀, 4 larv., lg. J.Vilbaste. **Krāslava district**, Krāslava, 02.07.1964, 1♂, lg. J.Vilbaste. **Līvāni district**, Rudzāti parish, Rudzēti, 20.06.1967, 4♂2♀, lg. J.Vilbaste.

Erzaleus Ribaut, 1952

***Erzaleus metrius (Flor, 1861)** – **Augšdaugava district**, Bebrene parish, Draudziņi, 55.9966, 26.1267, light trap, 03.07.2022, 1♂, lg. O.Borodin. **Krāslava district**, Izvalta parish, Tukāni, 55.9737, 27.0088, light trap, 21.06.2021, 1♂3♀, lg. O.Borodin.

Currently, 242 species of cicadas belonging to 127 genera and 6 families are registered in the territory of Eastern Latvia. Of these, 4 species – *Eurybregma nigrolineata* Scott, 1875 (Delphacidae), *Edwardsiana spinigera* (Edwards, 1924), *E. sociabilis* (Ossiannilsson, 1936) and *Lebradea flavovirens* (Gillette & Baker, 1895) (Cicadellidae) are listed for the first time for the territory of Latvia, 28 species – for the first time for Eastern Latvia.

It should be noted that *L. flavovirens* has been recorded in the Baltic States for the first time. Earlier in northern and eastern Europe, the species was recorded only in Sweden, Finland, as well as in Murmansk and Leningrad regions of Russia (Söderman et al. 2009, Dmitriev et al. 2023). Taking into account the records of species not previously recorded in Latvia, the total list of Latvian cicadas can be extended to

377 species. However, this list can still be expanded (Vilbaste 1974, Borodin 2015a, Borodin 2015b, Borodin 2015c, Petrašiūnas 2021).

CONCLUSIONS

More detailed study of the fauna of the cicadas region will expand its composition by at least another 50 species. This is evidenced by the analysis of the distribution of potential species, as well as the lists of cicadas known for neighboring territories.

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REFERENCES

- Anufriev G.A., Emelyanov A.F. 1988. Podotryad Cicadinea (Auchenorrhyncha) – Tsikadovyie (Suborder Cicadine (Auchenorrhyncha) – Cicadas). *Keys 50 the insects of the Far East of the USSR*. Nauka, Leningrad (Russia) 2: 12–495. (In Russian).
- Anufriev G.A. 1978. Tsikadki Primorskogo kraya (Homoptera, Auchenorrhyncha, Cicadellidae) (Cicadas of Primorskij region (Homoptera, Auchenorrhyncha, Cicadellidae)). *Trudyi Vsesoyuznogo entomologicheskogo obshchestva*. 60: 213 pp. (In Russian).

- Borodin O.I. 2015a, Raspredelenie tsikadovyih (Hemiptera: Fulgoromorpha & Cicadomorpha) po territorii Belarusi. Fiziko-geograficheskiy aspekt (Cicada's distribution (Hemiptera: Fulgoromorpha & Cicadomorpha) over the territory of Belarus. the physico-geographic aspect). *Baranovichy State University*. 3: 7-19. (In Russian).
- Borodin O.I. 2015b. Obschaya karakteristika fauny tsikadovyih (Hemiptera: Fulgoromorpha - Cicadomorpha) Belarusi. Horologicheskaya karakteristika. CHast 1. Fulgoromorpha-Cicadomorpha isklyuchaya Typhlocybiniae i Deltocephalinae (General characteristic of fauna Hemiptera (Fulgoromorpha & Cicadomorpha) of Belarus. Chorology characteristic. Part 1. Fulgoromorpha-Cicadomorpha exl. Typhlocybiniae и Deltocephalinae). *Proceedings of the Belarusian State University*. 10(1): 298-308. (In Russian).
- Borodin O.I. 2015c. Obschaya karakteristika fauny tsikadovyih (Hemiptera: Fulgoromorpha - Cicadomorpha) Belarusi. Horologicheskaya karakteristika. CHast 2. Typhlocybiniae i Deltocephalinae (General characteristic of fauna Hemiptera (Fulgoromorpha & Cicadomorpha) of Belarus. Chorology characteristic. Part 2. Typhlocybiniae and Deltocephalinae). *Proceedings of the Belarusian State University*. 10(1): 309-319. (In Russian).
- Borodin O., Borodina O. 2021. Fulgoromorpha & Cicadomorpha (Hemiptera) of Latvia. Current state of study. *Acta Biologica. Universitatis Daugavpiliensis* 21(2): 155–184.
- Danka L., Stiprais M. 1972. Dažas ziņas par pierīgas dārzu kolonijas “Dārziņi” kukaiņu faunu (Some news about insect fauna of Riga area garden colony “Dārziņi”). *LVU Zooloģijas Muzeja Raksti* 8: 45–64. (In Latvian).
- Danka L. 1959a. Issledovaniya po faune tsikad Latviyskoy SSR (Investigations about cicada fauna of Latvian SSR). *Trudy Instituta biologii AN LatvSSR*, 12: 95–106. (In Russian).
- Danka L. 1959b. Issledovaniya po faune tsikad Latviyskoy SSR (Investigations about cicada fauna in Latvian SSR). *Fauna Latviyskoy SSR* 2: 95–104. (In Russian).
- Danka L. 1961a. Fauna tsikad polevyih kultur Latviyskoy SSR (Fauna of cicadas in field cultures of Latvian SSR). *Trudy Instituta biologii Akademi Nauk Latviskoi SSR* 20: 177–185. (In Russian).
- Danka L. 1961b. Fauna tsikad polevyih kultur Latviyskoy SSR (Cicadas fauna in a field cultures of Latvian SSR). *Fauna Latviyskoy SSR* 3: 176–185. (In Russian).
- Danka L. 1964. Tsikadyi na vereschatnike u Vangaji (Cicadas on moorland in Vangaji). *Latvijas Entomologs* 8: 49–55. (In Russian).
- Danka L. 1973. Materiāli par Rīgas kukaiņu faunu, II. Cikādes – Auchenorrhyncha (Materials about Ruga insect fauna, II. Cicadas – Auchenorrhyncha) . *Latvijas Entomologs* 15: 8–17. (In Latvian).
- Dmitriev D.A., Anufriev G.A., Bartlett C.R., Blanco-Rodríguez E., Borodin O.I., Cao Y.-H., Deitz L.L., Dietrich C.H., Dmitrieva M.O., El-Sonbati S.A., Evangelista de Souza O., Gonçalves A.C., Hendrix S., McKamey S., Kohler M., Kunz G., Malenovský I., Morris B.O., Novoselova M., Pinedo-Escatel J.A., Rakitov R.A., Rothschild M.J., Sanborn A.F., Takiya D.M., Wallace M.S., Zahniser J.N. 2023. World Auchenorrhyncha Database. Taxon-Pages. <https://hoppers.speciesfile.org/>. [Accessed in 26.10.2023].

- Flor G. 1861. Die Rhynchoten Livlands. Zweiter Teil. *Rhynchota gulaerostris* Zett. (Homoptera Auct.) Cicadina und Psylloidea. *Archiv für die Naturkunde Liv-, Est- und Kurlands* (2)4: 638 s. (In German).
- Gimmerthal B.A. 1846. Zur Fauna der Ostseeprovinzen. Die Zikaden oder Zirpen. *Korrespondenzblatt des Naturforscher-Vereins zu Riga* 2(12): 26–27. (In German).
- della Giustina W. 1989. Homoptères Cicadellidae. III. Compléments aux ouvrages d'Henri Ribaut. In *Faune de France*. 73: 350 pp. (In French).
- Holzinger W.E., Kammerlander I., Nickel H. 2003. The Auchenorrhyncha of Central Europe. 1. Fulgoromorpha, Cicadomorpha excl. Cicadellidae. Brill, Leiden. 673 pp.
- Le Quesne W.J. 1960. Hemiptera (Fulgoromorpha). *Handbook for the identification of British Insects*. Society and Sold, London. 2(3): 68 pp.
- Le Quesne W.J. 1965. Hemiptera (Cicadomorpha). *Handbook for the identification of British Insects*. Society and Sold, London. 2(2a): 65 pp.
- Le Quesne W.J. 1969. Hemiptera (Cicadomorpha-Deltocephalinae). *Handbook for the identification of British Insects*. Society and Sold, London. 2(2b): 65–148.
- Le Quesne W.J., Payne K.R. 1981. Cicadellidae (Typhlocybinae) with a check list of the British Auchenorrhyncha (Hemiptera, Homoptera). *Handbook for the identification of British Insects*. Royal Entomological Society, London. 94 pp.
- Levins V., Ziemelis A. 2013. Hooper (Auchenorrhyncha) specialization on willow genus (*Salix*) plants. *Latvijas Universitātes 71. zinātniskā konference. Bioloģijas sekcija, Zooloģijas un dzīvnieku ekoloģija*. 01.02.2013.
- Mityaev I.D. 1971. Tsikadovyie Kazahstana (Homoptera-Cicadinea). Opredelitel (Identification key of cicades of Kazakhstan (Homoptera-Cicadinea). Publishing house "Science", Alma-Ata. 212 pp. (In Russian).
- Ossiannilsson F., 1978. The Auchenorrhyncha (Homoptera) of Fennoscandia and Denmark. Part 1: Introduction, infraorder Fulgoromorpha. *Fauna Entomologica Scandinavica*. Scandinavian Science Press Ltd, Klampenborg. 1(1): 1–222.
- Ossiannilsson F., 1981. The Auchenorrhyncha (Homoptera) of Fennoscandia and Denmark. Part 2: The families Cicadidae, Cercopidae, Membracidae, and Cicadellidae (excl. Deltocephalinae). *Fauna Entomologica Scandinavica*. Scandinavian Science Press Ltd, Klampenborg. 7(2): 223–593.
- Ossiannilsson F., 1983. The Auchenorrhyncha (Homoptera) of Fennoscandia and Denmark. Part 3: The family Cicadellidae: Deltocephalinae, Catalogue, Literature and Index. *Fauna Entomologica Scandinavica*. Scandinavian Science Press Ltd, Copengagen. 7(3): 594–979.
- Ozols G. 1985. Priedes un egles dendrofāģie kukaiņi Latvijas mežos (Pine and spruce dendrophagous insects in Latvian forests). *Zinātne, Rīga*. 207 pp. (In Latvian).
- Petrašiūnas A. 2021. *Gargara genistae* and *Stictocephala bisonia* (Hemiptera: Cicadomorpha, Membracidae) new for Lithuania fauna. *Lietuvos entomologu draugijos darbai*. 5(33): 23–25.
- Petrova V., Jankevica L., Samsone I. 2013. Species of phytophagous insects associated with strawberries in Latvia.

- Proceedings of the Latvian Academy of Sciences. Section B* 67(2): 124–129.
- Piterāns U. 2016. First record of *Graphocephala fennahi* Young, 1977 (Hemiptera: Cicadellidae) in Latvia. *Latvijas Entomologs* 53: 127–128.
- Söderman G., Spuņģis V. 2008. Auchenorrhyncha (Hemiptera: Fulgoromorpha et Cicadomorpha) of the Baltic Sea Coastal Dunes in the Ziemupes Nature Reserve, Western Latvia. *Latvijas Entomologs* 46: 59–69.
- Söderman G., Gillerfors G., Endrestol A. 2009. An annotated catalogue of the Auchenorrhyncha of Northern Europe (Insecta, Hemiptera: Fulgoromorpha et Cicadomorpha). *Cicadina* 10: 33–69.
- Spuņģis V. 2002. Invertebrates of the sandy coastal habitats in Latvia. *Latvijas Entomologs* 39: 8–15.
- Spuņģis V. 2008. Fauna and ecology of terrestrial invertebrates in the raised bog in Latvia. *Latvijas Entomoloģijas biedrība*, Rīga. 80 pp.
- Spuris Z. 1955. Nekotoryie dannye o tsikadovyih, tlyah i nastoyaschih polujestkokryilyih – obitateljah okolovodnyih statsiy Latviyskoy SSR (Some data on cicadas, aphids and Heteroptera - inhabitants of near-water stations of the Latvian SSR). *Entomologicheskoe obozrenie* 34: 178–179. (In Russian).
- Spuris Z. 1966. Cikādes – Auchenorrhyncha (Cicadina) (Cicades – Auchenorrhyncha (Cicadina)). *Latvijas dzīvnieki*. Rīga, Zvaigzne. 134–135. (In Latvian).
- Spuris Z. 1974. Cikādes – Auchenorrhyncha (Cicadina) (Cicades – Auchenorrhyncha (Cicadina)). *Latvijas dzīvnieku pasaule*. Rīga, Liesma. 134–135. (In Latvian).
- Spuris Z. 1982. Cikādes – Auchenorrhyncha (Cicadina) (Cicades – Auchenorrhyncha (Cicadina)). *Latvijas Padomju enciklopēdija*. Galvenā enciklopēdiju redakcija, Rīga. 2: 270 pp. (In Latvian).
- Spuris Z. 1996a. Cikādes (Auchenorrhyncha) kā kukaiņu izplates kartēšanas objekti (Cicades (Auchenorrhyncha) as insect dispersal mapping objects). *Latvijas Entomoloģijas arhīvs* 3: 12–15. (In Latvian).
- Spuris Z. 1996b. 11. cikāžu (Auchenorrhyncha) saraksts (11th checklist of cicades (Auchenorrhyncha)). *Latvijas Kukaiņu Katalogs*. *Latvijas Entomoloģijas arhīvs* 3: 16–31. (In Latvian).
- Stalazs A. 2013. The invasive lilac leafhopper, *Iguttix oculatus* (Lindberg, 1929), continues to spread in Europe: new host plant and findings (Hemiptera: Cicadellidae, Typhlocybinae). *Cicadina* 13: 59–67.
- Turka I., Reynsone M. 1981. Vidovoy sostav i sezonnaya dinamika chislennosti tsikadok (Auchenorrhyncha) v kartofelnyih agrobiotsenozah Zemgalskoy ravniny Latviyskoy SSR (Species composition and seasonal dynamics of amount of cicadas (Auchenorrhyncha) in agrobiocenosis of potatoe field in Zemgale plains of Latvian SSR). *Trudy Latviyskoy sel'skohozyaystvennoy akademii* 188: 19–26. (In Russian).
- Varzinska R. 1979. Daži novērojumi par zāļu stāva entomofaunu pie asfaltētiem ceļiem (Some observations about grass layer entomofauna next to asphalt roads). *Latvijas Entomologs* 21: 65–71. (In Latvian).
- Varzinska R. 1983. Cikādes Rīgas līča piejūras zonas zālajos (Cicada in Riga bay seashore grasslands). *Latvijas Entomologs*, 26: 68–82. (In Latvian).

- Velce D. 1961. Materialyi po faune tsikadovyih (Auchenorrhyncha) v polyah krasnogo klevera (Materials about cicadas (Auchenorrhyncha) fauna) . *Kratkie itogi nauchnyih issledovaniy po zaschite rasteniy v Pribaltiyskoy zone SSR*. Riga. 1: 72. (In Russian).
- Velce D. 1964. Fauna tsikad sel'skohozyaystvennyih kultur Latviyskoy SSR. *Tezisy dokladov XXIV nauchno-metodicheskoy konferentsii LatvGU*. Latvian State University, Riga. 14–16. (In Russian).
- Velce D. 1968a. O faune i ekologii tsikad (Auchenorrhyncha) Latviyskoy SSR (About fauna and ecology of cicada (Auchenorrhyncha) in Latvian SSR). *Tezisy dokladov konferentsii molodyih uchenyih biologov*. Zinātne, Riga. 70–74. (In Russian).
- Velce D. 1968b. Issledovaniya po faune i ekologii tsikad (Auchenorrhyncha) Latviyskoy SSR (Study about cicadas (Auchenorrhyncha) fauna and ecology in Latvian SSR). *Avtoreferat disertacij kandidata biologii nauk*. Latvian State University, Riga. 36 pp. (In Russian).
- Velce D. 1968c. Jaunas ziņas par Latvijas PSR cikāžu (Auchenorrhyncha) faunu (New information about Latvian SSR cicada (Auchenorrhyncha) fauna). *LVU Zooloģijas Muzeja Raksti* 3: 37–68. (In Latvian).
- Velce D. 1969. Materialyi po lugovoy faune tsikad Latviyskoy SSR (Materials about grassland fauna cicada in Latvian SSR). *Voprosy biologii*, Riga. 189–197. (In Russian).
- Velce D. 1972. Materiāli par cikāžu fenoloģiju un sezonālo dinamiku (Materials about cicada phenology and seasonal dynamics). *LVU Zooloģijas Muzeja Raksti* 8: 65–82. (In Latvian).
- Velce D., Danka L.Y. 1970. Katalog tsikadovyih (Auchenorrhyncha) Latviyskoy SSR (Catalogue of Auchenorrhyncha in Latvian SSR). *Zooloģijas Muzeja Raksti* 4: 15–65. (In Russian).
- Velce D., Rupais A. 1979. Materiāli par dekoratīvo lakstaugu kaitēkļiem ar dūrēja-sūcēja tipa mutes orgāniem Latvijā (Materials about decorative plant pests with poked-sucked type mouth organs in Latvia). *Latvijas Entomologs* 22: 50–56. (In Latvian).
- Vilbaste J., 1974. Preliminary list of Homoptera-Cicadinea of Latvia and Lithuania. *EESTI NSV Teaduste Akadeemia Toimetised* 23(2): 131–163.
- Ziemelis A. 2012. Effect of vegetation on hopper (Auchenorrhyncha) communities in calcareous fens of maritime lowland. *Latvijas Universitātes 70. zinātniskā konference Bioloģijas sekcija, Zooloģijas un dzīvnieku ekoloģijas apakšsekcija, 2012. gada 10. februāris*.
- Ziemelis A. 2014. Jauni cikāžu (Auchenorrhyncha) sugu konstatējumi Latvijas faunā (New cicadas (Auchenorrhyncha) species records in Latvian fauna). *Daugavpils Universitātes 55. Starptautiskās Zinātniskās Konferences Materiāli*. 69–71. (In Latvian).

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