

FULGOROMORPHA & CICADOMORPHA (HEMIPTERA) OF LATVIA. CURRENT STATE OF STUDY

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Borodin O., Borodina O. 2021. Fulgoromorpha & Cicadomorpha (Hemiptera) of Latvia. Current state of study. *Acta Biol. Univ. Daugavp.*, 21 (2): 155 – 184.

This research is considered as an analysis of publications and studies of Latvian cicadas. The annotated checklist is provided and includes 373 species, 146 genera from 7 families, 2 suborders. For the species which require confirmation for Latvia separate checklist was formed and presented.

Key words: Fulgoromorpha, Cicadomorpha, planthoppers, leafhoppers.

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INTRODUCTION

Cicadas are an ancient group of insects which are thriving today. Traditionally, they were considered as one of the 5 suborders of Cicadinea, or Auchenorrhyncha (Zabravkin 2001). Currently, cicadas are considered as two independent suborders - Fulgoromorpha and Cicadomorpha of Hemiptera order along with suborders Heteroptera and Sternorrhyncha (Cryan 2004, 2005a-b, 2010).

Cicadas are a well-studied taxon for most of European countries and there are many entomologists and scientific groups who continue to study these insects and also utilizing most modern methods and techniques.

At the same time, there are some countries which did not carry out any cicadas-focused studies for more than a quarter of a century. One of the European regions with similar situation is Baltic states region, including Latvia. Most

current information about cicadas for this region is patchy and usually could be find as as part of more extensive reports on biodiversity.

The first information on the cicadas of Latvia is dated to the second half of the 18th century [Fischer, 1778, 1784, 1791]. Later on, the information on the cicadas of Latvia was published in works of J. Groschke (1805), B.A. Gimmerthal (1846) and G. Flor (1861), J.H. Kwall (1865, 1866).

The research of Gustav August Adam von Flor “Die Rhynchoten Livlands” (Flor, 1961) is the first major summary of cicadas in Latvia. The work contains 170 species, 32 of which are described for the first time (Vilbaste 1960). The monograph is based on an extensive collection of cicadas collected in various regions of Livonia, including those belonging to the territory of modern Latvia, from 1851 to 1857. G. Flor collection materials are still stored in various natural history museums, in particular

a significant part of the collection is in the Entomological Collection, Estonian University of Life Science (Abarenkov et al. 2010). Some of the materials from these collections and summaries were taken into account and critically worked out in later works on cicadas in Latvia (for example, Vilbaste 1960, Velce & Danka 1970, Vilbaste 1973, Spuris 1996b).

The next significant period of studies about cicadas of Latvia begins from second half of the XX century (Spuris 1955, Rasiņa 1957, Danca 1959a-b). Later on in 60-s, there were different publications focused on individual taxonomic groups of cicadas (Vilbaste 1960, Spuris 1966, Velce 1968a, Velce 1968c), regional diversity of Latvian cicadas (Danca 1961a, 1964) and practically significant groups (Danca 1961b, c, Velce 1961, 1964, 1969). In the same period, a Ph.D. thesis on the fauna and ecology of cicadas of the Latvian SSR was defended (Velce 1968b). Finally, in 1970 the first catalogue of cicadas in Latvia (Velce & Danka 1970) was published. This work was based on the results of previously published materials and includes 231 species of cicadas.

In the 1970s, research on cicadas was continued. In particular, a complete summary allowing assessing the degree of study of the taxon in Latvia and Lithuania was made by one of the largest specialists in cicadas in Europe, the Estonian entomologist J. Vilbaste (1974), in which 320 species are given for the territory of Latvia. In the same decade, the several significant works were published about cicadas of Latvia (Danka & Stiprais 1972, Velce 1972, Danka 1973, Spuris 1974, Varzinska 1979, Velce & Rupais 1979).

In the 1980-1990s, several works were published with data on the cicadas of Latvia (Turka & Reinsone 1981, Spuris 1982, 1996a-b, Varzinska 1983, Ozols 1985). The most noticeable work of R. Varzinska (1983), with data on the distribution of 111 species of cicadas in coastal zone of Gulf of Riga, indicating 2 species new for Latvia - *Batracomorphus allionii* (Turton, 1802) and *Cosmotettix edwardsi* (Lindberg, 1924). As well

as the catalogue of cicadas of Latvia Z. Spuris (1996b), which contains an annotated list of cicadas registered by that time in Latvia. The catalog for each species contains a source of literature where the species was first indicated in the regional fauna. In total, 329 species are listed in the catalog.

The last major generalization on cicadas of Latvia is presented in the work on cicadas in Northern Europe (Söderman et al. 2009), where a list of 333 species is given for Latvia. In the first 2 decades of the 21st century, besides the specified work, only not numerous works on cicads of Latvia including data on the cicads collected in 2006 in Ziemupes Nature Reserve (Western Latvia) (Söderman & Spuņģis 2008) are known, to cicads as elements of separate ecosystems (Spuņģis 2002, 2008, Ziemelis 2012, Petrova et al. 2013).

Particular attention should be paid to the work on the directions of new species in Latvia. For example, V. Levins and A. Ziemelis [Ziemelis, 2012; Levins, Ziemelis, 2013; Ziemelis, 2014] authors indicate 15 new species for Latvia, 3 of which (*Pentastiridius leporinus* (Linnaeus 1761), *Igutettix oculata* (Lindberg, 1929) and *Arboridia parvula* (Boheman, 1845)), as our analysis showed, have already been registered in Latvia (see below). In 2013, a work was published on the spread of an invasive species of cicadas of Far Eastern origin, *Igutettix oculata* (Lindberg, 1929), which feeds on lilac [Stalazs, 2013], as well as a North American alien species, *Graphocephala fennahi* Young, 1977, which feeds on rhododendrons (Piterāns 2016).

Additionally, the separate data on cicadas of Latvia were provided in large catalogs on Cicadas of Palearctica (Nast, 1972), Europe (Nast 1982), Fennoscandia (Ossiannilsson 1978, 1981, 1983), and reports on distribution of separate species [Ануфриев & Емельянов 1988, Ануфриев & Кириллова 1998, 2001, Сивцев & Винокуров 2002, McKamey 2002, Бородин 2011).

The purpose of this work is to summarize all the information published to the date on the cicadas of Latvia.

MATERIAL AND METHODS

The list of the species in this work is provided in accordance with the current views on the taxonomy of the group. The list of publications for each species was provided with keeping the names of species used in these works. All species within genera are arranged in alphabetical order. After the annotated list, we provided the list of species which are still questionable or require additional confirmation, or species with not clear status for the territory of Latvia (like in the case of species indicated for the territory of Latvia in the works A. Gimmerthal (1846) and G. Flor (1861).

RESULTS

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) – [Вильбасте, 1960; Velce, 1968; Nast, 1972; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Cixius distinguendus Kirschbaum 1868 – [Вильбасте, 1960; Nast, 1972; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 2001; Söderman, Gillerfors, Endrestol, 2009].

Cixius nervosus (Linnaeus, 1758) – [Вильбасте, 1960; Velce, 1968; Nast, 1972; Velce, 1972; Danka, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Cixius similis Kirschbaum 1868 – [Вильбасте, 1960; Nast, 1972; Vilbaste, 1974; Nast, 1987; Söderman, Gillerfors, Endrestol, 2009].

Pentastirini Emeljanov, 1971

Pentastiridius Kirschbaum, 1868

Pentastiridius leporinus (Linnaeus 1761) – [Nast, 1987; Ziemelis, 2012, 2014].

Delphacidae Leach, 1815

Kelisiinae Wagner, 1963

Kelisia Fieber, 1866

Kelisia confusa Linnavuori, 1957 – [Ziemelis, 2014].

Kelisia guttula (Germar, 1818) – [Данка, 1964; Velce, 1968; Nast, 1972; Velce, 1972; Danka, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Kelisia monoceros Ribaut, 1934 – [Вильбасте, 1960; Nast, 1972; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 2001; Söderman, Gillerfors, Endrestol, 2009].

Kelisia pallidula (Boheman, 1847) – [Velce, 1968; Nast, 1972; Varzinska, 1983; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Kelisia pannonica Matsumura, 1910 – [Nast, 1987]; = *Kelisia sabulicola* W. Wagner, 1952 [Vilbaste, 1974; Varzinska, 1983; Spuris, 1996b; Söderman, Spunģis, 2008; Söderman, Gillerfors, Endrestol, 2009].

Kelisia praecox Haupt, 1935 – [Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Kelisia punctulum (Kirschbaum, 1868) – [Ziemelis, 2012].

Kelisia ribauti W. Wagner, 1938 – [Вильбасте, 1960; Velce, 1968; Nast, 1972; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Kelisia vittipennis (J. Sahlberg, 1868) – [Velce, 1968; Nast, 1972; Velce, 1972; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Anakelisia Wagner, 1963

Anakelisia perspicillata (Boheman, 1845) – [Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Stenocraninae Wagner, 1963

Stenocranus Fieber, 1866

Stenocranus fuscovittatus (Stål, 1858) – [Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Stenocranus major (Kirschbaum, 1868) – [Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman,

Gillerfors, Endrestol, 2009].

***Stenocranus minutus* (Fabricius, 1787)** – [Данка, 1964; Velce, 1968; Nast, 1972; Vilbaste, 1974; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009]; in doubt [Nast, 1987].

Delphacinae Leach, 1815

Delphacini Leach, 1815

***Megamelus* Fieber, 1866**

***Megamelus notula* (Germar, 1830)** – [Вильбасте, 1960; Велце, 1968; Velce, 1968; Nast, 1972; Velce, 1972; Danka, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

***Conomelus* Fieber, 1866**

***Conomelus anceps* (Germar, 1821)** – [Вильбасте, 1960; Velce, 1968; Nast, 1972; Danka, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009]; = *Conomelus limbatus* Fabr. [Данка, 1964].

***Delphacinus* Fieber, 1866**

***Delphacinus mesomelas* (Boheman, 1849)** – [Вильбасте, 1960; Данка, 1964; Velce, 1968; Nast, 1972; Danka, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Stiromella* Wagner, 1963**

***Stiromella obliqua* (Wagner, 1947)** – [Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Eurysula* Vilbaste, 1968**

***Eurysula lurida* (Fieber, 1866)** – [Вильбасте, 1960; Nast, 1972; Vilbaste, 1974; Nast, 1987; Ануфриев, Емельянов, 1988; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Stiroma* Fieber, 1866**

***Stiroma affinis* Fieber, 1866** – [Velce, 1972; Nast, 1972; Danka, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009]; = *Crimorphus affinis* (Fieb. 1866) [Velce, 1968].

***Stiroma bicarinata* (Herrich-Schäffer, 1835)**

– [Вильбасте, 1960; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009]; = *Crimorphus bicarinata* (H.S. 1835) [Velce, 1968].

***Euconomelus* Haupt, 1929**

***Euconomelus lepidus* (Boheman, 1847)** – [Velce, 1968; Nast, 1972; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Delphax* Fabricius, 1798**

***Delphax crassicornis* (Panzer, 1796)** – [Вильбасте, 1960; Velce, 1968; Nast, 1972; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Euides* Fieber, 1866**

***Euides basilinea* (Germar, 1821)** – [Nast, 1987; Söderman, Gillerfors, Endrestol, 2009]; = *Euides speciosa* (Boheman, 1845) [Vilbaste, 1974; Spuris, 1996b].

***Chloriona* Fieber, 1866**

***Chloriona chinai* Ossiannilsson, 1946** – [Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Chloriona dorsata* Edwards, 1898** – [Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Chloriona glaucescens* Fieber, 1866** – [Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Chloriona smaragdula* (Stål, 1853)** – [Данка, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Chloriona stenoptera* (Flor, 1861)** – [Nast, 1972; Nast, 1987; Vilbaste, 1974; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Chloriona vasconica* Ribaut, 1934** – [Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Unkanodes* Fennah, 1956**

***Unkanodes excisa* (Melichar, 1898)** – [Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Spunġis, 2008; Söderman, Gillerfors, Endrestol, 2009].

Megadelphax Wagner, 1963

Megadelphax sordidula (Stål, 1853) – [Nast, 1972; Velce, 1972; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009; Velce, 1968; Vilbaste, 1974]; in doubt [Nast, 1987].

Laodelphax Fennah, 1963

Laodelphax striatella (Fallén, 1826) – [Nast, 1972; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Spunģis, 2008; Söderman, Gillerfors, Endrestol, 2009; Varzinska, 1983]; = *Callidelphax striatella* (Fall. 1826) [Velce, 1968]; = *Calligypona marginata* (F., 1794) [Вильбасте, 1960].

Paraliburnia Jensen-Haarup, 1917

Paraliburnia adela (Flor, 1861) – [Nast, 1972; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009], *Delphax adela* Flor [Вильбасте, 1960].

Hyledelphax Vilbaste, 1968

Hyledelphax elegantula (Boheman, 1847) – [Nast, 1972; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009]; = *Calligypona elegantula* (Boh., 1847) [Вильбасте, 1960]; = *Struebingianella elegantula* (Boh., 1847) [Velce, 1968; Velce, 1972].

Delphacodes Fieber, 1866

Delphacodes venosus (Germar, 1830) – [Вильбасте, 1960; Nast, 1972; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

Gravesteiniella Wagner, 1963

Gravesteiniella boldi (Scott, 1870) – [Nast, 1972; Vilbaste, 1974; Ossiannilsson, 1978; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009; Varzinska, 1983]; = *Calligypona boldi* Scott. [Данка, 1964].

Muellerianella Wagner, 1963

Muellerianella brevipennis (Boheman, 1847) – [Velce, 1968; Nast, 1972; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris,

1996b; Söderman, Gillerfors, Endrestol, 2009]; = *Calligypona brevipennis* (Boh., 1847) [Вильбасте, 1960].

Muellerianella extrusa (Scott, 1871) – [Nast, 1987].

Muellerianella fairmairei (Perris, 1857) – [Nast, 1972; Vilbaste, 1974; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009; Varzinska, 1983]; = *Calligypona fairmairei* (Perr., 1857) [Вильбасте, 1960]; in doubt [Nast, 1987].

Muirodelphax Wagner, 1963

Muirodelphax aubei (Perris, 1857) – [Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009]; = *Calligypona aubei* (Perr., 1857) [Вильбасте, 1960].

Nothodelphax Fennah, 1963

Nothodelphax albocarinata (Stål, 1858) – [Nast, 1987; Söderman, Gillerfors, Endrestol, 2009]; = *Tyrphodelphax albocarinatus* (Stål, 1858) [Vilbaste, 1974; Spuris, 1996b].

Nothodelphax distinctus (Flor, 1861) – [Nast, 1987; Söderman, Gillerfors, Endrestol, 2009]; = *Tyrphodelphax distinctis* (Flor, 1861) [Nast, 1972; Vilbaste, 1974; Ossiannilsson, 1978; Spuris, 1996b]; = *Calligypona distincta* (Flor, 1861) [Вильбасте, 1960].

Dicranotropis Fieber, 1866

Dicranotropis hamata Boheman, 1847 – [Вильбасте, 1960; Данка, 1964; Nast, 1972; Danca, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009; Petrova, Jankevica, Samsone, 2013].

Florodelphax Vilbaste, 1968

Florodelphax leptosoma (Flor, 1861) – [Nast, 1972; Nast, 1987; Vilbaste, 1974; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009]; = *Calligypona straminea* (Stål) [Вильбасте, 1960].

Florodelphax paryphasma (Flor, 1861) – [Nast, 1972; Nast, 1987; Vilbaste, 1974; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009]; = *Calligypona leptosoma* (Fl., 1861) [Вильбасте, 1960].

Kosswigianella Wagner, 1963

Kosswigianella denticauda (Boheman, 1847) – = *Acanthodelphax denticauda* (Boheman, 1847) [Vilbaste, 1974; Varzinska, 1983; Nast, 1972; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009]; = *Calligypona denticauda* (Boh., 1847) [Вильбасте, 1960].

Kosswigianella exigua (Boheman, 1849) – [Nast, 1972; Danka, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Spunġis, 2008; Söderman, Gillerfors, Endrestol, 2009]; = *Calligypona exigua* (Boh., 1847) [Вильбасте, 1960].

Kosswigianella spinosus (Fieber, 1866) – = *Acanthodelphax spinosus* (Fieber, 1866) [Danka, 1973; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Struebingianella Wagner, 1963

Struebingianella lugubrina (Boheman, 1847) – [Velce, 1968; Nast, 1972; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009]; = *Calligypona lugubrina* (Boh., 1847) [Вильбасте, 1960].

Xanthodelphax Wagner, 1963

Xanthodelphax flaveolus (Flor, 1861) – [Danka, Stiprais, 1972; Nast, 1972; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Xanthodelphax stramineus (Stål, 1858) – [Velce, 1968; Nast, 1972; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Spunġis, 2008; Söderman, Gillerfors, Endrestol, 2009]; = *Calligypona straminea* (Stål) [Вильбасте, 1960].

Xanthodelphax xanthus Vilbaste, 1965 – [Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Paradelphacodes Wagner, 1963

Paradelphacodes paludosa (Flor, 1861) – [Вильбасте, 1960; Велце, 1968; Nast, 1972; Nast, 1987; Vilbaste, 1974; Varzinska, 1983; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Oncodelphax Wagner, 1963

Oncodelphax pullulus (Boheman, 1852) –

[Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Criomorphus Curtis, 1833

Criomorphus albomarginatus Curtis, 1833 – [Вильбасте, 1960; Nast, 1972; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Criomorphus borealis (J. Sahlberg, 1871) – [Вильбасте, 1960; Nast, 1972; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Ossiannilsson, 1978; Söderman, Gillerfors, Endrestol, 2009].

Criomorphus moestus (Boheman, 1847) – [Вильбасте, 1960; Nast, 1972; Vilbaste, 1974; Ossiannilsson, 1978]; [Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Javesella Fennah, 1963

Javesella discolor (Boheman, 1847) – [Nast, 1972; Danka, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009]; = *Calligypona discolor* (Boh., 1847) [Вильбасте, 1960].

Javesella dubia (Kirschbaum, 1868) – [Nast, 1972; Velce, 1972; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009]; = *Calligypona dubia* (Kb., 1868) [Вильбасте, 1960]; = *Weidnerianella dubia* (Kbm., 1868) [Velce, 1968].

Javesella forcipata (Boheman, 1847) – [Nast, 1972; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009]; = *Calligypona forcipata* (Boh., 1847) [Вильбасте, 1960].

Javesella obscurella (Boheman, 1847) – [Nast, 1972; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009; Petrova, Jankevica, Samsone, 2013]; = *Calligypona obscurella* (Boh., 1847) [Вильбасте, 1960]; = *Weidnerianella obscurella* (Boh., 1849) [Velce, 1968].

Javesella pellucida (Fabricius, 1794) – [Nast, 1972; Velce, 1972; Danka, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Spunġis, 2008; Söderman, Gillerfors, Endrestol, 2009]; = *Calligypona pellucida* (F., 1794) [Вильбасте, 1960; Данка, 1964]; = *Weidnerianella pellucida* (F., 1794)

[Velce, 1968].

Javesella stali (Metcalf, 1943) – [Nast, 1972; Vilbaste, 1974; Ossiannilsson, 1978; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009]; = *Calligypona stali* (Metc., 1943) [Вильбасте, 1960]; = *Weidnerianella stali* (Metc. 1943) [Velce, 1968].

Ribautodelphax Wagner, 1963

Ribautodelphax albostriata (Fieber, 1866) – [Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Ribautodelphax angulosa (Ribaut, 1953) – [Nast, 1972; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Ossiannilsson, 1978; Söderman, Gillerfors, Endrestol, 2009].

Ribautodelphax collina (Boheman, 1847) – [Velce, 1968; Nast, 1972; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009]; = *Calligypona collina* (Boh., 1847) [Вильбасте, 1960].

Ribautodelphax pallens (Stål, 1854) – [Danka, Stiprais, 1972; Nast, 1972; Vilbaste, 1974; Ossiannilsson, 1978; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009]; = *Calligypona pallens* (Stål., 1854) [Вильбасте, 1960; Данка, 1964].

Tettigometridae Germar, 1821

Tettigometrinae Germar, 1821

Tettigometrini Germar, 1821

Tettigometra Latreille, 1804

Tettigometra atra Hagenbach, 1825 – [Nast, 1972; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

Tettigometra atrata Fieber, 1872 – [Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b].

Caliscelidae Amyot et Serville, 1843

Ommatidiotinae Fieber, 1875

Ommatidiotini Fieber, 1875

Ommatidiotus Spinola, 1839

Ommatidiotus dissimilis (Fallen, 1806) – [Вильбасте, 1960; Данка, 1964; Velce, 1968; Velce, 1972; Nast, 1972; Danka, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris,

1996b; Söderman, Spuņģis, 2008; Söderman, Gillerfors, Endrestol, 2009].

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) – [Velce, 1968; Nast, 1972; Velce, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1995; Spuris, 1996a; Spuris, 1996b; Söderman, Spuņģis, 2008; Söderman, Gillerfors, Endrestol, 2009].

Philaenini Metcalf, 1955

Neophilaenus Haupt, 1935

Neophilaenus campestris (Fallen, 1805) – [Velce, 1968; Nast, 1972; Velce, 1972; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

Neophilaenus exclamationis (Thunberg, 1784) – [Данка, 1964; Velce, 1968; Nast, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Spuņģis, 2008; Söderman, Gillerfors, Endrestol, 2009].

Neophilaenus lineatus (Linnaeus, 1758) – [Данка, 1961a; Данка, 1964; Velce, 1968; Velce, 1968; Nast, 1972; Velce, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996a; Spuris, 1996b; Söderman, Spuņģis, 2008; Söderman, Gillerfors, Endrestol, 2009].

Neophilaenus minor (Kirschbaum, 1868) – [Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Philaenus Stål, 1864

Philaenus spumarius (Linnaeus, 1758) – [Данка, 1961a; Данка, 1964; Velce, 1968; Velce, 1968; Danka, Stiprais, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Velce, 1972; Varzinska, 1983; Nast, 1987; Spuris, 1995; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009; Petrova, Jankevica, Samsone, 2013].

Aphrophorini Amyot & Audinet-Serville, 1843***Aphrophora* Germar, 1821**

***Aphrophora alni* (Fallen, 1805)** – [Данка, 1964; Velce, 1968; Nast, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996a-b; Söderman, Gillerfors, Endrestol, 2009].

***Aphrophora major* Uhler, 1896** – [Ziemelis, 2012, 2014].

***Aphrophora pectoralis* Matsumura, 1903** – [Nast, 1987; Söderman, Gillerfors, Endrestol, 2009]; = *Aphrophora costalis* Matsumura, 1903 [Vilbaste, 1974; Spuris, 1996b].

***Aphrophora salicina* (Geoze, 1778)** – [Velce, 1968; Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996a-b; Söderman, Gillerfors, Endrestol, 2009].

***Peuceptyelus* Sahlberg, 1871**

***Peuceptyelus coriaceus* (Fallen, 1826)** – [Nast, 1972; Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009]; = *Aphrophora coriacea* Sahlb. [Vilbaste, 1973].

Membracoidea Rafinesque, 1815**Membracidae Rafinesque, 1815****Centrotinae Amyot & Audinet-Serville, 1843****Gargarini Distant, 1908*****Gargara* Amyot & Serville, 1843**

***Gargara genistae* (Fabricius, 1775)** – [Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

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

***Centrotus cornutus* (Linnaeus, 1758)** – [Velce, 1968; Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996a-b; Söderman, Gillerfors, Endrestol, 2009].

Cicadellidae Latreille, 1825**Ulopiinae Le Peletier de Saint-Fargeau & Audinet-Serville, 1825****Ulopiini Le Peletier de Saint-Fargeau & Audinet-Serville, 1825*****Ulopa* Fallen, 1814**

***Ulopa reticulata* (Fabricius, 1794)** – [Данка, 1961a; Данка, 1964; Velce, 1968; Danka,

Stiprais, 1972; Nast, 1972; Velce, 1972; Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Megophthalminae Kirkaldy, 1906**Megophthalmini Kirkaldy, 1906*****Megophthalmus* Curtis, 1833*****Megophthalmus scanicus* (Fallen, 1806)**

– [Velce, 1968; Nast, 1972; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Spunġis, 2008; Söderman, Gillerfors, Endrestol, 2009; Petrova, Jankevica, Samsone, 2013].

Agalliini Kirkaldy, 1901***Agallia* Curtis, 1833*****Agallia brachyptera* (Boheman, 1847)** – [Velce,

1968; Nast, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009; Petrova, Jankevica, Samsone, 2013].

***Anaceratagallia* Zachvatkin, 1946**

***Anaceratagallia estonica* Vilbaste, 1959** – [Söderman, Gillerfors, Endrestol, 2009].

***Anaceratagallia lithuanica* Vilbaste, 1974** – [Söderman, Spunġis, 2008; Söderman, Gillerfors, Endrestol, 2009].

***Anaceratagallia ribauti* Ossiannilsson, 1938**

– [Vilbaste, 1974; Nast, 1987; Söderman, Gillerfors, Endrestol, 2009; Varzinska, 1983]; = *Agallia ribauti* Ossiannilsson, 1938 [Spuris, 1996b].

***Anaceratagallia venosa* (Fourcroy, 1785)** –

[Данка, 1961a; Vilbaste, 1974; Nast, 1987; Söderman, Spunġis, 2008; Söderman, Gillerfors, Endrestol, 2009]; = *Agallia venosa* (Fourcroy, 1785) [Velce, 1968; Danka, Stiprais, 1972; Danka, 1973; Nast, 1972; Vilbaste, 1973; Spuris, 1996b].

Eurymelinae Amyot & Audinet-Serville, 1843**Macropsini Evans, 1935*****Oncopsis* Burmeister, 1838**

***Oncopsis alni* (Schrank, 1801)** – [Velce, 1968; Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Oncopsis appendiculata* Wagner, 1944** – [Данка, 1964; Велце, 1968; Velce, 1968; Nast, 1972; Danka, 1973; Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Oncopsis flavicollis* (Linnaeus, 1761)** – [Velce, 1968; Vilbaste, 1973; Nast, 1972; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; McKamey, 2002; Söderman, Gillerfors, Endrestol, 2009].

***Oncopsis subangulata* (J. Sahlberg, 1871)** – [Vilbaste, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Oncopsis tristis* (Zetterstedt, 1840)** – [Nast, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009; Velce, 1968].

***Pediopsis* Burmeister, 1838**

***Pediopsis tiliae* (Germar, 1831)** – [Velce, 1968; Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Macropsis* Lewis, 1834**

***Macropsis cerea* (Germar, 1837)** – [Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Macropsis fuscinervis* (Boheman, 1847)** – [Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Macropsis fuscula* (Zetterstedt, 1828)** – [Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Macropsis impura* (Boheman, 1847)** – [Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Macropsis infuscata* (J. Sahlberg, 1871)** – [Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Macropsis marginata* (Herrich-Schäffer, 1836)** – [Nast, 1972; Vilbaste, 1973; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Macropsis ocellata* Provancher, 1872** – [Nast,

1987: 574]; = *Macropsis albae* Wagner, 1950 [Vilbaste, 1974; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Macropsis prasina* (Boheman, 1852)** – [Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Söderman, Gillerfors, Endrestol, 2009].

***Macropsis scutellata* (Boheman, 1845)** – [Nast, 1972; Nast, 1987]; in doubt [Spuris, 1996b].

***Macropsis viridinervis* Wagner, 1950** – [Ziemelis, 2012].

***Hephathus* Ribaut, 1952**

***Hephathus achilleae* Mitjaev, 1967** – [Söderman, Gillerfors, Endrestol, 2009].

***Hephathus nanus* (Herrich-Schäffer, 1835)** – [Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b]

***Macropsidius* Ribaut, 1952**

***Macropsidius sahlbergi* (Flor, 1861)** – [Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Spunģis, 2008; Söderman, Gillerfors, Endrestol, 2009]; = *Macropsis sahlbergi* (Flor, 1861) [McKamey, 2002].

***Idiocerini* Baker, 1915**

***Idiocerus* Lewis, 1834**

***Idiocerus lituratus* (Fallen, 1806)** – [Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Idiocerus similis* Kirschbaum, 1868** – [Nast, 1972].

***Idiocerus stigmatalis* Lewis, 1834** – [Velce, 1968; Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996, 16-31; Söderman, Gillerfors, Endrestol, 2009; Levins, Ziemelis, 2013].

***Metidiocerus* Ossiannilsson, 1981**

***Metidiocerus elegans* (Flor, 1861)** – [Ossiannilsson, 1981; Nast, 1987; Söderman, Gillerfors, Endrestol, 2009]; = *Idiocerus elegans* Flor, 1861 [Nast, 1972], [Vilbaste, 1973; Vilbaste, 1974; Spuris, 1996b].

***Metidiocerus poecilus* (Herrich-Schäffer, 1835)** – [Nast, 1987: 578]; = *Idiocerus poecilus* (Herrich-Schäffer, 1835) [Nast, 1972: 222;

Vilbaste, 1973: 18; Spuris, 1996b; Vilbaste, 1974]; = *Stenidiocerus poecilus* Herrich-Schäffer, 1835 [Ossiannilsson, 1981; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

Tremulicerus Dlabola, 1974

***Tremulicerus tremulae* (Estlund, 1796)** – [Ossiannilsson, 1981; Nast, 1987; Söderman, Gillerfors, Endrestol, 2009]; = *Idiocerus tremulae* (Estlund, 1796) [Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Spuris, 1996b; Ануфриев, Кириллова, 1998].

Populicerus Dlabola, 1974

***Populicerus albicans* Kirschbaum, 1868** – [Ossiannilsson, 1981; Nast, 1987; Söderman, Gillerfors, Endrestol, 2009]; = *Idiocerus albicans* Kirschbaum, 1868 [Vilbaste, 1974; Spuris, 1996b].

***Populicerus confusus* (Flor, 1861)** – [Nast, 1987; Söderman, Gillerfors, Endrestol, 2009]; = *Idiocerus confusus* Flor, 1861 [Velce, 1968; Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Spuris, 1996b].

***Populicerus laminatus* Flor, 1861** – [Nast, 1987; Söderman, Gillerfors, Endrestol, 2009]; = *Idiocerus laminatus* Flor, 1861 [Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1981; Spuris, 1996b].

***Populicerus nitidissimus* (Herrich-Schäffer, 1835)** – [Ossiannilsson, 1981; Ануфриев, Кириллова, 1998]; = *Idiocerus nitidissimus* (Herrich-Schäffer, 1835) [Nast, 1972]; in doubt [Spuris, 1996b]

***Populicerus populi* (Linnaeus, 1761)** – [Nast, 1987; Söderman, Gillerfors, Endrestol, 2009]; = *Idiocerus populi* (Linnaeus, 1758) [Velce, 1968; Nast, 1972; Danka, 1973; Vilbaste, 1974; Spuris, 1996b].

Acericerus Dlabola, 1974

***Acericerus vittifrons* (Kirschbaum, 1868)** – = *Idiocerus affinis* Flor, 1861 [McKamey, 2002].

Iassinae Walker, 1870

Batracomorphiini Krishnankutty, Dietrich, Dai & Siddappaji, 2016

***Batracomorphus* Lewis, 1834**

***Batracomorphus allionii* (Turton, 1802)** –

[Varzinska, 1983; Nast, 1987; Spuris, 1996b].

***Batracomorphus irroratus* Lewis, 1834** – [Söderman, Spunġis, 2008; Söderman, Gillerfors, Endrestol, 2009].

Iassini Walker, 1870

***Iassus* Fabricius, 1803**

***Iassus lanio* (Linnaeus, 1761)** – [Nast, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996a-b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

Aphrodinae Haupt, 1927

Aphrodini Haupt, 1927

***Aphrodes* Curtis, 1833**

***Aphrodes bicinctus* (Schrank, 1776)** – [Данка, 1964; Велце, 1968; Velce, 1968; Nast, 1972; Velce, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Söderman, Spunġis, 2008; Söderman, Gillerfors, Endrestol, 2009; Petrova, Jankevica, Samsone, 2013]; and as *Aphrodes ochromelas* (Gmelin, 1789) [Spuris, 1996b].

***Aphrodes diminuta* Ribaut, 1952** – [Ziemelis, 2012]; in doubt [Söderman, Gillerfors, Endrestol, 2009].

***Aphrodes makarovi* Zachvatkin, 1948** – [Söderman, Gillerfors, Endrestol, 2009].

***Planaphrodes* Hamilton, 1975**

***Planaphrodes bifasciata* (Linnaeus, 1758)** – [Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009]; = *Aphrodes bifasciatus* (Linnaeus, 1758) [Данка, 1961a; Данка, 1964; Nast, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983]; = *Aphrodes bifasciatus* (L., 1758) and *Aphrodes tricinctus* Curt. 1836 [Velce, 1968].

***Planaphrodes laeva* (Rey, 1891)** – [Nast, 1987; Söderman, Spunġis, 2008; Söderman, Gillerfors, Endrestol, 2009].

***Planaphrodes nigrata* (Kirschbaum, 1868)** – [Ossiannilsson, 1981; Söderman, Gillerfors, Endrestol, 2009]; = *Aphrodes nigratus* [Nast, 1972], [Vilbaste, 1974]; in doubt [Nast, 1987; Spuris, 1996b].

***Planaphrodes trifasciata* (Fourcroy, 1785)** – [Ossiannilsson, 1981]; = *Aphrodes trifasciatus*

(G.) [Vilbaste, 1974; Spuris, 1996b].

Anoscopus Kirschbaum, 1868

Anoscopus albifrons (Linnaeus, 1758) – [Nast, 1987; Söderman, Spunģis, 2008; Söderman, Gillerfors, Endrestol, 2009]; = *Aphrodes albifrons* Linnaeus, 1758 [Nast, 1972; Vilbaste, 1974]; + as *Aphrodes* (= *Anoscopus*) *costatus* (Panzer, 1799) [Spuris, 1996b]; = *Aphrodes costatus* (Panzer, 1799) + *Aphrodes albifrons* Linnaeus, 1758 [Vilbaste, 1973].

Anoscopus albiger (Germar, 1821) – [Ossiannilsson, 1981; Nast, 1987; Söderman, Gillerfors, Endrestol, 2009]; = *Aphrodes albiger* (Germar, 1821) [Velce, 1968; Nast, 1972; Danka, 1973; Vilbaste, 1974; Varzinska, 1983; Spuris, 1996b].

Anoscopus flavostriatus (Donovan, 1799) – [Nast, 1987; Söderman, Spunģis, 2008; Söderman, Gillerfors, Endrestol, 2009]; = *Aphrodes flavostriatus* (Donovan, 1799) [Velce, 1968; Nast, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Spuris, 1996b].

Anoscopus histrionicus (Fabricius, 1794) – [Söderman, Gillerfors, Endrestol, 2009: 33-69]; = *Aphrodes histrionicus* (Fabricius, 1794) [Vilbaste, 1973; Vilbaste, 1974; Spuris, 1996b; Ануфриев, Кириллова, 1998], in doubt [Nast, 1987].

Anoscopus serratulae (Fabricius, 1775) – [Nast, 1987; Söderman, Gillerfors, Endrestol, 2009]; and as *Aphrodes fuscofasciatus* [Spuris, 1996b]; = *Aphrodes fuscofasciatus* (Cz., 1778) [Vilbaste, 1973]; = *Aphrodes serratulae* (Fabricius, 1775) [Vilbaste, 1974; Varzinska, 1983].

Stroggylocephalus Flor, 1861

Stroggylocephalus agrestis (Fallen, 1806) – [Velce, 1968; Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Stroggylocephalus livens (Zetterstedt, 1840) – [Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Evacanthinae Metcalf, 1939

Evacanthini Metcalf, 1939

Evacanthus Le Peletier & Serville, 1825

Evacanthus acuminatus (Fabricius, 1794) – [Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Evacanthus interruptus (Linnaeus, 1758) – [Velce, 1968; Nast, 1972; Velce, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009; Petrova, Jankevica, Samsone, 2013].

Cicadellinae Latreille, 1825

Cicadellini Latreille, 1825

Cicadella Latreille, 1817

Cicadella lasiocarpae Ossiannilsson, 1981 – [Ziemelis, 2012, 2014].

Cicadella viridis (Linnaeus, 1758) – [Velce, 1968; Nast, 1972; Velce, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1995; Spuris, 1996a; Spuris, 1996b; Spungis, 2002, 8-15; Söderman, Gillerfors, Endrestol, 2009]; = *Tettigella viridis* L. [Данка, 1964].

Graphocephala Van Duzee, 1916

Graphocephala fennahi Young Jr., 1977 – [Piterāns, 2016, 127-128].

Typhlocybinae Kirschbaum, 1868

Alebrini McAtee, 1926

Alebra Fieber, 1872

Alebra albostriella (Fallen, 1826) – [Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009; Petrova, Jankevica, Samsone, 2013].

Alebra wahlbergi (Boheman, 1845) – [Nast, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 2001; Söderman, Gillerfors, Endrestol, 2009].

Dikraneurini McAtee, 1926

Erythria Fieber, 1866

Erythria aureola (Fallen, 1806) – [Velce, 1968; Danka, Stiprais, 1972; Nast, 1972; Velce, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009]; = *Dicraneura aureola* (Fall.) [Данка, 1961a]; =

Dicraneura aureola Boh. [Данка, 1964].

Emelyanoviana Anufriev, 1970

Emelyanoviana mollicula (Boheman, 1845) – [Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009; Petrova, Jankevica, Samsone, 2013]; = *Dicraneura mollicula* (Boh. 1845) [Velce, 1968].

Dikraneura Hardy, 1850

Dikraneura variata Hardy, 1850 – [Velce, 1968; Nast, 1972; Velce, 1972; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

Igutettix Matsumura, 1932

Igutettix oculata (Lindberg, 1929) – [Stålazs, 2013, 59-67; Ziemelis, 2014].

Wagneriala Anufriev, 1970

Wagneriala minima (Sahlberg, J., 1871) – [Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1981; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Forcipata DeLong & Caldwell, 1936

Forcipata citrinella (Zetterstedt, 1828) – [Danka, Stiprais, 1972; Nast, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009]; = *Dicranoneura citrinella* (Zett. 1828) [Данка, 1964; Velce, 1968].

Forcipata forcipata (Flor, 1861) – [Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009]; = *Dicranoneura forcipata* (Fl. 1861) [Velce, 1968].

Notus Fieber, 1866

Notus flavipennis (Zetterstedt, 1828) – [Velce, 1968; Velce, 1968; Nast, 1972; Velce, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

Empoascini Distant, 1908

Kybos Fieber, 1866

Kybos abstrusus (Linnavuori, 1949) – [Söderman, Gillerfors, Endrestol, 2009].

Kybos butleri (Edwards, 1908) – [Vilbaste, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009]; = *Empoasca* (*Kybos*) *butleri* (Edwards, 1908) [Ossiannilsson, 1981].

Kybos lindbergi (Linnavuori, 1951) – [Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009]; = *Empoasca* (*Kybos*) *lindbergi* Linnavuori, 1951 [Ossiannilsson, 1981].

Kybos mucronatus (Ribaut, 1933) – [Söderman, Gillerfors, Endrestol, 2009]; = *Kybos verbae* (Zachvatkin, 1953) [Vilbaste, 1974; Nast, 1987: 588; Spuris, 1996b].

Kybos oshanini Zachvatkin, 1953 – [Vilbaste, 1974; Spuris, 1996b]; in doubt [Nast, 1987].

Kybos populi (Edwards, 1908) – [Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009]; = *Empoasca* (*Kybos*) *populi* (Edwards, 1908) [Ossiannilsson, 1981].

Kybos rufescens (Melichar, 1896) – [Levins, Ziemelis, 2013; Ziemelis, 2014].

Kybos smaragdulus (Fallen, 1806) – [Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

Kybos strigilifer (Ossiannilsson, 1941) – [Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009]; = *Empoasca* (*Kybos*) *strigilifera* Ossiannilsson, 1941 [Ossiannilsson, 1981].

Kybos virgator (Ribaut, 1933) – [Vilbaste, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Hebata DeLong, 1931

Hebata affinis Nast, 1937 – = *Empoasca pteridis* (Dahlbom, 1850) [Nast, 1987: 586; Söderman, Gillerfors, Endrestol, 2009], [Petrova, Jankevica, Samsone, 2013].

Hebata apicalis (Flor, 1861) – = *Empoasca apicalis* (Flor, 1861) [Nast, 1972: 265; Vilbaste,

1974; Ossiannilsson, 1981; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Hebata decipiens* Paoli, 1930** – = *Empoasca decipiens* Paoli, 1930 [Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Hebata kontkaneni* Ossiannilsson, 1949** – = *Empoasca kontkaneni* Ossiannilsson, 1949 [Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

***Hebata ossiannilssoni* Nuorteva, 1948** – = *Empoasca ossiannilssoni* Nuorteva, 1948 [Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996b; McKamey, 2002; Söderman, Gillerfors, Endrestol, 2009].

***Hebata solani* (Curtis, 1846)** – = *Empoasca solani* (Curtis, 1846) [Vilbaste, 1974; Spuris, 1996b].

***Hebata vitis* (Gothe, 1875)** – = *Empoasca flavescens* (F., 1794) [Velce, 1968; Velce, 1972] [Vilbaste, 1973]; = *Empoasca vitis* (Göthe, 1785) [Nast, 1972; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Spuņģis, 2008; Söderman, Gillerfors, Endrestol, 2009].

***Austroasca* Lower, 1952**

***Austroasca vittata* (Lethierry, 1884)** – [Nast, 1987]; in doubt [Söderman, Gillerfors, Endrestol, 2009].

***Chlorita* Fieber, 1872**

***Chlorita dumosa* (Ribaut, 1933)** – [Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996b; Söderman, Spuņģis, 2008; Söderman, Gillerfors, Endrestol, 2009].

***Chlorita paolii* (Ossiannilsson, 1939)** – [Nast, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1981; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

***Chlorita viridula* (Fallen, 1806)** – [Velce, 1968; Nast, 1972; Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996b; Söderman, Spuņģis, 2008; Söderman, Gillerfors, Endrestol, 2009].

***Typhlocybini* Kirschbaum, 1868**

***Fagocyba* Dlabola, 1958**

***Fagocyba carri* (Edwards, 1914)** – [Vilbaste, 1974; Ossiannilsson, 1981; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009]; = *Dryocyba carri* (Edw.) [Nast, 1987].

***Fagocyba cruenta* (Herrich-Schäffer, 1838)** – [Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Fagocyba douglasi* (Edwards, 1878)** – [Vilbaste, 1973; Spuris, 1996b].

***Edwardsiana* Zachvatkin, 1929**

***Edwardsiana alnicola* (Edwards, 1924)** – [Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Edwardsiana ampliata* (Wagner, 1947)** – [Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Edwardsiana avellanae* (Edwards, 1888)** – [Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Edwardsiana bergmani* (Tullgren, 1916)** – [Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

***Edwardsiana candidula* (Kirschbaum, 1868)** – [Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Edwardsiana flavescens* (Fabricius, 1794)** – [Spuris, 1996b].

***Edwardsiana geometrica* (Schrank, 1801)** – [Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996, 16-31; Ануфриев, Кириллова, 1998; Söderman, Spuņģis, 2008; Söderman, Gillerfors, Endrestol, 2009; Levins, Ziemelis, 2013]; = *Typhlocyba geometrica* (Schrnk. 1801) [Velce, 1968].

***Edwardsiana gratiosa* (Boheman, 1852)** – [Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009]; = *Typhlocyba gratiosa* Boh. 1851 [Velce, 1968].

***Edwardsiana ishidai* (Matsumura, 1932)** – [Levins, Ziemelis, 2013; Ziemelis, 2014].

***Edwardsiana menzbieri* Zachvatkini, 1948** – [Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998;

Söderman, Gillerfors, Endrestol, 2009].

***Edwardsiana plebeja* (Edwards, 1914)** – [Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Edwardsiana prunicola* (Edwards, 1914)** – [Söderman, Gillerfors, Endrestol, 2009]; = *Edwardsiana barbata* (Ribaut, 1931) [Vilbaste, 1974; Spuris, 1996b].

***Edwardsiana rosae* (Linnaeus, 1758)** – [Danka, Stiprais, 1972; Nast, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Velce, Rupais, 1979, 50-56; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009]; = *Typhlocyba rosae* (L. 1758) [Велце, 1968; Velce, 1968].

***Edwardsiana salicicola* (Edwards, 1885)** – [Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Edwardsiana soror* (Linnavuori, 1950)** – [Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Edwardsiana staminata* (Ribaut, 1931)** – [Söderman, Gillerfors, Endrestol, 2009].

***Eupterycyba* Dlabola, 1958**

***Eupterycyba jucunda* (Herrich-Schäffer, 1837)** – [Nast, 1972; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009]; = *Typhlocyba jucunda* H.S. 1836 [Velce, 1968]; in doubt [Vilbaste, 1974].

***Linnavuoriana* Dlabola, 1958**

***Linnavuoriana decempunctata* (Fallen, 1806)** – [Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

***Linnavuoriana sexmaculata* (Hardy, 1850)** – [Vilbaste, 1974; Nast, 1987; Spuris, 1996, 16-31; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009; Levins, Ziemelis, 2013].

***Ribautiana* Zachvatkin, 1947**

***Ribautiana ulmi* (Linnaeus, 1758)** – [Велце, 1968; Velce, 1968; Nast, 1972; Danka, 1973;

Vilbaste, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

***Typhlocyba* Germar, 1833**

***Typhlocyba quercus* (Fabricius, 1777)** – [Velce, 1968; Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

***Zonocyba* Vilbaste, 1982**

***Zonocyba bifasciata* (Boheman, 1851)** – [Nast, 1987; Söderman, Gillerfors, Endrestol, 2009]; = *Typhlocyba bifasciata* Boheman, 1851 [Nast, 1972; Vilbaste, 1974; Spuris, 1996b].

***Eurhadina* Haupt, 1929**

***Eurhadina concinna* (Germar, 1831)** – [Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

***Eurhadina kirschbaumi* W. Wagner, 1937** – [Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

***Eurhadina pulchella* (Fallen, 1806)** – [Velce, 1968; Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

***Eurhadina saageri* W. Wagner, 1935** – [Vilbaste, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

***Eupteryx* Curtis, 1833**

***Eupteryx adpersa* (Herrich-Schäffer, 1838)** – [Nast, 1987; Ануфриев, Кириллова, 1998].

***Eupteryx atropunctata* (Goeze, 1778)** – [Velce, 1968; Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009]; *Eupteryx* ex gr. *nigropunctata* (Linnaeus, 1758) [Petrova, Jankevica, Samsone, 2013].

***Eupteryx aurata* (Linnaeus, 1758)** – [Velce, 1968; Nast, 1972; Vilbaste, 1973; Vilbaste,

1974; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

***Eupteryx calcarata* (Ossiannilsson, 1936)** – [Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

***Eupteryx collina* (Flor, 1861)** – [Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Eupteryx cyclops* Matsumura, 1906** – [Velce, 1968; Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

***Eupteryx heydenii* (Kirschbaum, 1868)** – [Nast, 1972: 291; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009]; = *Eupteryx ornata* (Leth. 1874) [Velce, 1968].

***Eupteryx notata* Curtis, 1837** – [Velce, 1968; Nast, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Spunģis, 2008; Söderman, Gillerfors, Endrestol, 2009].

***Eupteryx origani* Zachvatkin, 1948** – [Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1981; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Eupteryx signatipennis* (Boheman, 1847)** – [Vilbaste, 1974; Ossiannilsson, 1981; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Eupteryx stachydearum* (Hardy, 1850)** – [Velce, 1968; Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

***Eupteryx tenella* (Fallen, 1806)** – [Velce, 1968; Velce, 1968; Nast, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1981; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

***Eupteryx urticae* (Fabricius, 1803)** – [Velce, 1968; Nast, 1972; Danka, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; McKamey, 2002;

Söderman, Gillerfors, Endrestol, 2009].

***Eupteryx vittata* (Linnaeus, 1758)** – [Velce, 1968; Nast, 1972; Velce, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009]; *Eupteryx* ex gr. *vittata* (Linnaeus, 1758) [Petrova, Jankevica, Samsone, 2013].

***Aguriahana* Distant, 1918**

***Aguriahana germari* (Zetterstedt, 1840)** – [Nast, 1972; Vilbaste, 1974; Spuris, 1996b]; = *Wagneripteryx germari* (Zetterstedt, 1840) [Velce, 1968; Vilbaste, 1973: 25; Nast, 1987; Ozols, 1985, 1-207; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009]; = *Cicadella germari* (Zett.) [Данка, 1961a].

***Aguriahana pictilis* (Stål, 1853)** – [Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Aguriahana stellulata* (Burmeister, 1841)** – [Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009]; = *Eupteroidea stellulata* (Burm. 1841) [Velce, 1968].

***Erythroneurini* Young Jr., 1952**

***Alnetoidia* Dlabola, 1958**

***Alnetoidia alneti* (Dahlbom, 1850)** – [Nast, 1972; Danka, 1973]; , [Vilbaste, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

***Zyginidia* Haupt, 1929**

***Zyginidia mocsaryi* (Horvath, 1910)** – [Vilbaste, 1974; Ossiannilsson, 1981; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Zyginidia pullula* (Boheman, 1845)** – [McKamey, 2002].

***Zyginidia viaduensis* (Wagner, 1941)** – [Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Spunģis, 2008; Söderman, Gillerfors, Endrestol, 2009].

***Zygina* Fieber, 1866**

***Zygina flammigera* (Fourcroy, 1785)** – [Nast,

1972; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009]; = *Erythroneura flammigera* (Geoffr. 1785 [Velce, 1968]); = *Flammigeroidia flammigera* (G., 1785) [Vilbaste, 1973; Vilbaste, 1974].

***Zygina hyperici* (Herrich-Schäffer, 1836)** – [Nast, 1972; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009]; = *Hypericiella hyperici* (H.-S.) [Nast, 1987; Vilbaste, 1973; Vilbaste, 1974].

***Zygina ordinaria* (Ribaut, 1936)** – [Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009]; = *Flammigeroidia ordinaria* (Rb.) [Vilbaste, 1973; Vilbaste, 1974].

***Zygina roseipennis* (Tollin, 1851)** – [Nast, 1972; Nast, 1987; Spuris, 1996b]; = *Flammigeroidia roseipennis* (Tl., 1851) [Vilbaste, 1973; Vilbaste, 1974]; = *Zygina rosea* (Flor, 1861) [Ossiannilsson, 1981; Söderman, Gillerfors, Endrestol, 2009].

***Zygina rubrovittata* (Lethierry, 1869)** – [Spuris, 1996b; Nast, 1972; Danka, 1973; Nast, 1987; Söderman, Gillerfors, Endrestol, 2009]; = *Erythroneura rubrovittata* Lethierry, 1869 [Данка, 1961a; Данка, 1964; Danka, Stiprais, 1972; Velce, 1968; Velce, 1972]; = *Flammigeroidia rubrovittata* (Lethierry, 1869) [Vilbaste, 1973; Vilbaste, 1974].

***Zygina suavis* Rey, 1891** – [Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009]; = *Flammigeroidia suavis* (Ry.) [Vilbaste, 1974].

***Zygina tiliae* (Fallen, 1806)** – [Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009]; = *Flammigeroidia tiliae* (G., 1785) [Vilbaste, 1973; Vilbaste, 1974].

***Arboridia* Zachvatkin, 1946**

***Arboridia erecta* (Ribaut, 1931)** – [Vilbaste, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Arboridia parvula* (Boheman, 1845)** – [Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Levins, Ziemelis, 2013; Ziemelis, 2014].

***Arboridia ribauti* (Ossiannilsson, 1937)** – [Velce, 1968; Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Deltocephalinae Dallas, 1870

Eupelicini Sahlberg, 1871

***Eupelix* Germar, 1821**

***Eupelix cuspidata* (Fabricius, 1775)** – [Данка, 1964; Velce, 1968; Nast, 1972; Velce, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Spunģis, 2008; Söderman, Gillerfors, Endrestol, 2009].

Fieberiellini Wagner, 1951

***Fieberiella* Signoret, 1880**

***Fieberiella septentrionalis* Wagner 1935**

– [Velce, 1968; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009; Levins, Ziemelis, 2013]; = *Fieberiella macchiaie* Linnavuori, 1962 [Nast, 1972].

Koebeliini Baker, 1897

***Grypotes* Fieber, 1866**

***Grypotes puncticollis* (Herrich-Schäffer, 1834)**

– [Velce, 1968; Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Ozols, 1985, 1-207; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

Opsiini Emeljanov, 1962

***Neocaliturus* Distant, 1918**

***Neocaliturus fenestratus* (Herrich-Schäffer, 1834)**

– [Vilbaste, 1974; Nast, 1972; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

***Neocaliturus guttulatus* (Kirschbaum, 1868)**

– [Velce, 1968; Vilbaste, 1973; Vilbaste, 1974].

Macrostelini Kirkaldy, 1906

***Coryphaelus* Puton, 1886**

***Coryphaelus gyllenhalii* (Fallén, 1826)**

– [Velce, 1968; Nast, 1972; Vilbaste, 1974; Ossiannilsson, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Balclutha* Kirkaldy, 1900**

***Balclutha boica* Wagner, 1950**

– [Söderman, Gillerfors, Endrestol, 2009]; = *Balclutha lineola* (F.) [Nast, 1987].

- Balclutha calamagrostis* Ossiannilsson, 1961** – [Vilbaste, 1974; Ossiannilsson, 1983; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].
- Balclutha lineolata* (Horváth, 1904)** – [Ossiannilsson, 1983; Spuris, 1996b]; = *Balclutha lineola* (Hv.) [Vilbaste, 1974].
- Balclutha punctata* (Fabricius, 1775)** – [Велце, 1968; Velce, 1968; Velce, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Наст, 1987; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].
- Balclutha rhenana* W. Wagner, 1939** – [Levins, Ziemelis, 2013; Ziemelis, 2014].
- Macrosteles* Fieber, 1866**
- Macrosteles alpinus* (Zetterstedt, 1828)** – [Velce, 1968; Nast, 1972; Ossiannilsson, 1983; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].
- Macrosteles cristatus* (Ribaut, 1927)** – [Velce, 1968; Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].
- Macrosteles cyane* (Boheman, 1845)** – [Vilbaste, 1974; Ossiannilsson, 1983; Spuris, 1996b]; = *Erotettix cyane* (Boheman, 1845) [Nast, 1972; Söderman, Gillerfors, Endrestol, 2009]; in doubt [Nast, 1987].
- Macrosteles frontalis* (Scott, 1875)** – [Velce, 1968; Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 2001; Söderman, Gillerfors, Endrestol, 2009].
- Macrosteles horvathi* (W. Wagner, 1935)** – [Velce, 1968; Nast, 1972; Vilbaste, 1974; Ossiannilsson, 1983; Varzinska, 1983; Spuris, 1996b; Ануфриев, Кириллова, 1998; McKamey, 2002; Söderman, Gillerfors, Endrestol, 2009].
- Macrosteles laevis* (Ribaut, 1927)** – [Велце, 1968; Velce, 1968; Danka, Stiprais, 1972; Nast, 1972; Velce, 1972; Danka, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009; Petrova, Jankevica, Samsone, 2013].
- Macrosteles lividus* (Edwards, 1894)** – [Velce, 1968; Nast, 1972; Vilbaste, 1974; Ossiannilsson, 1983; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].
- Macrosteles ossiannilssoni* (Lindberg, 1954)** – [Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1983; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].
- Macrosteles quadripunctulatus* (Kirschbaum, 1868)** – [Vilbaste, 1974; Ossiannilsson, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].
- Macrosteles septemnotatus* (Fallen, 1806)** – [Velce, 1968; Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].
- Macrosteles sexnotatus* (Fallen, 1806)** – [Velce, 1968; Nast, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Spuņģis, 2008; Söderman, Gillerfors, Endrestol, 2009].
- Macrosteles variatus* (Fallen, 1806)** – [Velce, 1968; Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].
- Macrosteles viridigriseus* (Edwards, 1924)** – [Velce, 1968; Nast, 1972; Velce, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1983; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Spuņģis, 2008; Söderman, Gillerfors, Endrestol, 2009].
- Sonronius* Dorst, 1937**
- Sonronius binotatus* (J. Sahlberg, 1871)** – [Velce, 1968; Nast, 1972; Vilbaste, 1974; Ossiannilsson, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].
- Sonronius dahlbomi* (Zetterstedt, 1840)** – [Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009]; = *Sonronius quadripunctatus* (Fall. 1806) [Velce, 1968].
- Sagatus* Ribaut, 1948**
- Sagatus punctifrons* (Fallen, 1826)** – [Velce, 1968; Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1983; Nast, 1987; Spuris,

1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009; Levins, Ziemelis, 2013].

Deltocephalini Dallas, 1870

***Deltocephalus* Burmeister, 1838**

***Deltocephalus pulicaris* (Fallen, 1806)** – [Данка, 1964; Велце, 1968; Velce, 1968; Nast, 1972; Velce, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Chiasmini Distant, 1908

***Doratura* Sahlberg, 1871**

***Doratura exilis* Horvath, 1903** – [Vilbaste, 1974; Ossiannilsson, 1983; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Doratura homophyla* (Flor, 1861)** – [Данка, 1964; Velce, 1968; Danka, Stiprais, 1972; Nast, 1972; Velce, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1983; Varzinska, 1983; Spuris, 1996b; Söderman, Spuņģis, 2008; Söderman, Gillerfors, Endrestol, 2009].

***Doratura impudica* Horvath, 1897** – [Vilbaste, 1974; Ossiannilsson, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Doratura littoralis* Kuntze, 1937** – [Söderman, Spuņģis, 2008; Söderman, Gillerfors, Endrestol, 2009].

***Doratura stylata* (Boheman, 1847)** – [Данка, 1961a; Данка, 1964; Велце, 1968; Velce, 1968; Nast, 1972; Velce, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Spuņģis, 2008; Söderman, Gillerfors, Endrestol, 2009].

Cicadulini Van Duzee, 1892

***Paluda* DeLong, 1937**

***Paluda flaveola* (Boheman, 1845)** – [Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Rhopalopyx* Ribaut, 1939**

***Rhopalopyx adumbrata* (C. Sahlberg, 1842)** – [Ossiannilsson, 1983; Nast, 1987; Söderman, Gillerfors, Endrestol, 2009]; = *Paluda adumbrata*

(C. Sahlberg, 1842) [Velce, 1968; Nast, 1972; Danka, 1973; Vilbaste, 1974; Varzinska, 1983; Spuris, 1996b].

***Rhopalopyx preysleri* (Herrich-Schäffer, 1838)** – [Данка, 1964; Ossiannilsson, 1983; Nast, 1987; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009]; = *Paluda preysleri* (Herrich-Schäffer, 1838) [Velce, 1968; Nast, 1972; Velce, 1972; Danka, 1973; Vilbaste, 1974; Varzinska, 1983; Spuris, 1996b].

***Rhopalopyx vitripennis* (Flor, 1861)** – [Nast, 1987; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009]; = *Paluda vitripennis* (Flor, 1861) [Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Spuris, 1996b].

***Elymana* DeLong, 1936**

***Elymana kozhevnikovi* (Zachvatkini, 1938)** – [Ossiannilsson, 1983; Nast, 1987; Söderman, Gillerfors, Endrestol, 2009]; = *Elymana ikumae* (Matsumura, 1911) [Vilbaste, 1974; Spuris, 1996b].

***Elymana sulphurella* (Zetterstedt, 1828)** – [Данка, 1964; Велце, 1968; Velce, 1968; Nast, 1972; Velce, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009; Petrova, Jankevica, Samsone, 2013].

***Cicadula* Zetterstedt, 1840**

***Cicadula flori* (J. Sahlberg, 1871)** – [Velce, 1968; Nast, 1972; Vilbaste, 1974; Ossiannilsson, 1983; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009]; in doubt [Nast, 1987].

***Cicadula frontalis* (Herrich-Schäffer, 1835)** – [Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1983; Spuris, 1996b; Ануфриев, Кириллова, 2001; Söderman, Gillerfors, Endrestol, 2009]; in doubt [Nast, 1987].

***Cicadula longiventris* (J. Sahlberg, 1871)** – [Vilbaste, 1973: 22; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b]; = *Cicadula rubroflava* Linnavuori, 1952 [Söderman, Gillerfors, Endrestol, 2009].

***Cicadula nigricornis* (J. Sahlberg, 1871)** – [Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1983; Nast, 1987; Spuris, 1996b; Söderman,

Gillerfors, Endrestol, 2009].

***Cicadula ornata* (Melichar, 1900)** – [Danka, 1973; Vilbaste, 1974; Ossiannilsson, 1983; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

***Cicadula persimilis* (Edwards, 1920)** – [Velce, 1968; Nast, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1983; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

***Cicadula quadrinotata* (Fabricius, 1794)** – [Данка, 1964; Велце, 1968; Velce, 1968; Nast, 1972; Velce, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Cicadula quinquenotata* (Boheman, 1845)** – [Velce, 1968; Nast, 1972; Vilbaste, 1974; Ossiannilsson, 1983; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 2001; Söderman, Gillerfors, Endrestol, 2009].

***Cicadula saturata* (Edwards, 1915)** – [Vilbaste, 1974; Ossiannilsson, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Limotettigini Baker, 1915

***Ophiola* Edwards, 1922**

***Ophiola cornicula* (Marshall, 1866)** – [Ossiannilsson, 1983; Nast, 1987; Söderman, Gillerfors, Endrestol, 2009]; = *Scleroracus corniculatus* (Marshall, 1866) [Velce, 1968; Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Spuris, 1996b].

***Ophiola decumanus* (Kontkanen, 1949)** – [Ossiannilsson, 1983; Nast, 1987; Söderman, Gillerfors, Endrestol, 2009]; = *Scleroracus decumanus* (Kontkanen, 1949) [Nast, 1972; Vilbaste, 1973; Danka, 1973; Vilbaste, 1974; Spuris, 1996b]; = *Scleroracus striatulus* (Fall.) [Данка, 1961a; Данка, 1964].

***Ophiola russeola* (Fallen, 1826)** – [Ossiannilsson, 1983; Nast, 1987; Söderman, Gillerfors, Endrestol, 2009]; = *Scleroracus russeolus* (Fallen, 1826) [Velce, 1968; Vilbaste, 1973; Spuris, 1996b].

***Ophiola transversus* (Fallen, 1826)** – [Ossiannilsson, 1983; Nast, 1987; Söderman, Gillerfors, Endrestol, 2009]; = *Scleroracus*

transversus (Fallen, 1826) [Velce, 1968; Nast, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Spuris, 1996b; Söderman, Spuņģis, 2008].

***Ophiolix* Ribaut, 1942**

***Ophiolix paludosus* (Boheman, 1845)** – [Vilbaste, 1973: 22; Vilbaste, 1974; McKamey, 2002; Söderman, Gillerfors, Endrestol, 2009]; = *Ophiola paludosa* (Boheman, 1845) [Ossiannilsson, 1983; Nast, 1987]; = *Scleroracus paludosus* (Boheman, 1845) [Spuris, 1996b].

***Limotettix* Sahlberg, 1871**

***Limotettix atricapillus* (Boheman, 1845)** – [Ziemelis, 2012, 2014].

***Limotettix ochrifrons* Vilbaste, 1973** – [Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Limotettix sphagneticus* Emeljanov, 1964** – [Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Limotettix striola* (Fallen, 1806)** – [Velce, 1968; Nast, 1972; Danka, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Athysanini Van Duzee, 1892

***Platymetopius* Burmeister, 1838**

***Platymetopius undatus* (De Geer, 1773)** – [Velce, 1968; Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Idiodonus* Ball, 1936**

***Idiodonus cruentatus* (Panzer, 1799)** – [Данка, 1964; Velce, 1968; Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

***Colladonus* Ball, 1936**

***Colladonus torneellus* (Zetterstedt, 1828)** – [Vilbaste, 1974; Ossiannilsson, 1983; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

Lamprotettix Ribaut, 1942

Lamprotettix nitidulus (Fabricius, 1787) – [Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Allygidius Ribaut, 1952

Allygidius atomarius (Fabricius, 1794) – [Nast, 1972; Vilbaste, 1974].

Allygidius commutatus Fieber, 1872 – [Velce, 1968; Danka, 1973; Nast, 1987; Nast, 1972; Söderman, Spunĝis, 2008; Söderman, Gillerfors, Endrestol, 2009; Vilbaste, 1973]; = *Allygus commutatus* Fieber, 1872 [Spuris, 1996b; Ануфриев, Кириллова, 1998].

Allygus Fieber, 1875

Allygus mixtus (Fabricius, 1794) – [Velce, 1968; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009]; and as *Athysanus pauperculus* (Flor, 1861) [McKamey, 2002]; in doubt [Nast, 1972; Nast, 1987].

Graphocraerus Thomson, 1869

Graphocraerus ventralis (Fallen, 1806) – [Velce, 1968; Velce, 1968; Nast, 1972; Velce, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Spunĝis, 2008; Söderman, Gillerfors, Endrestol, 2009].

Speudotettix Ribaut, 1942

Speudotettix subfuscus (Fallen, 1806) – [Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

Hesium Ribaut, 1942

Hesium domino (Reuter, 1880) – [Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1983; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009]; = *Hesium biguttatum* (Fall. 1806) [Velce, 1968].

Thamnotettix Zetterstedt, 1840

Thamnotettix confinis Zetterstedt, 1828 – [Nast,

1972; Vilbaste, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Pithyotettix Ribaut, 1942

Pithyotettix abietinus (Fallen, 1806) – [Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1983; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

Macustus Ribaut, 1942

Macustus grisescens (Zetterstedt, 1828) – [Velce, 1968; Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Spunĝis, 2008; Söderman, Gillerfors, Endrestol, 2009].

Doliotettix Ribaut, 1942

Doliotettix lunulatus (Zetterstedt, 1838) – [Nast, 1972; Vilbaste, 1974; Ossiannilsson, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009]; = *Doliotettix pallens* Zs., 1828 [Vilbaste, 1973].

Athysanus Burmeister, 1838

Athysanus argentarius Metcalf, 1955 – [Данка, 1964; Nast, 1972; Ossiannilsson, 1983; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009; Vilbaste, 1974]; = *Athysanus argentatus* (F. 1794) [Velce, 1968; Danka, 1973].
Athysanus quadrum Boheman, 1845 – [Velce, 1968; Nast, 1972; Velce, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1983; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

Handianus Ribaut, 1942

Handianus flavovarius (Herrich-Schäffer, 1835) – [Данка, 1964; Velce, 1968; Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; McKamey, 2002; Söderman, Gillerfors, Endrestol, 2009].

Stictocoris Thomson, 1869

Stictocoris picturatus (C. Sahlberg, 1842) –

[Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Laburrus Ribaut, 1942

Laburrus impictifrons (Boheman, 1852) – [Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Euscelidius Ribaut, 1942

Euscelidius schenckii (Kirschbaum, 1868) – [Danka, 1973; Vilbaste, 1974; Ossiannilsson, 1983; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

Conosanus Osborn & Ball, 1902

Conosanus obsoletus Kirschbaum, 1858 – [Nast, 1972; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Euscelis Brulle, 1832

Euscelis distinguendus (Kirschbaum, 1858) – [Danka, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009; Petrova, Jankevica, Samsone, 2013].

Euscelis incisus (Kirschbaum, 1858) – [Nast, 1972; Vilbaste, 1974; Nast, 1987; Spuris, 1996b].

Euscelis venosus (Kirschbaum, 1868) – [Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

Streptanus Ribaut, 1942

Streptanus aemulans (Kirschbaum, 1868) – [Velce, 1968; Nast, 1972; Danka, 1973; Vilbaste, 1974; Ossiannilsson, 1983; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Streptanus confinis (Reuter, 1880) – [Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1983; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

Streptanus marginatus (Kirschbaum, 1858) – [Данка, 1964; Velce, 1968; Nast, 1972; Velce,

1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1983; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Streptanus sordidus (Zetterstedt, 1828) – [Velce, 1968; Nast, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Paralimnini Distant, 1908

Paramesus Fieber, 1866

Paramesus obtusifrons (Stål, 1853) – [Nast, 1972: 406; Ossiannilsson, 1983; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009]; = *Paramesus nervosus* (Fallén, 1826) [Velce, 1968]; in doubt [Nast, 1987].

Paralimnus Matsumura, 1902

Paralimnus phragmitis (Boheman, 1847) – [Velce, 1968; Nast, 1972; Vilbaste, 1974; Ossiannilsson, 1983; Spuris, 1996b; Ануфриев, Кириллова, 2001; Söderman, Gillerfors, Endrestol, 2009]; in doubt [Nast, 1987].

Metalimnus Ribaut, 1948

Metalimnus formosus (Boheman, 1845) – [Nast, 1972; Vilbaste, 1974; Ossiannilsson, 1983; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

Metalimnus marmoratus (Flor, 1861) – [Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1983; Nast, 1987; Spuris, 1996b; McKamey, 2002; Söderman, Gillerfors, Endrestol, 2009].

Arocephalus Ribaut, 1946

Arocephalus languidus (Flor, 1861) – [Velce, 1972; Ossiannilsson, 1983; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998].

Arocephalus punctum (Flor, 1861) – [Данка, 1964; Velce, 1968; Nast, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1983; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Spunģis, 2008; Söderman, Gillerfors, Endrestol, 2009].

Psammotettix Haupt, 1929

Psammotettix alienus (Dahlbom, 1851) – [Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983;

Nast, 1987; Spuris, 1996b; Söderman, Spunģis, 2008; Söderman, Gillerfors, Endrestol, 2009]; and as *Psammotettix striatus* (Linnaeus, 1758) [Spuris, 1996b; McKamey, 2002].

***Psammotettix cephalotes* (Herrich-Schäffer, 1834)** – [Velce, 1968; Nast, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1983; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Psammotettix confinis* (Dahlbom, 1850)** – [Данка, 1961а; Данка, 1964; Велце, 1968; Velce, 1968; Danka, Stiprais, 1972; Nast, 1972; Velce, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Spunģis, 2008; Söderman, Gillerfors, Endrestol, 2009; Petrova, Jankevica, Samsone, 2013].

***Psammotettix frigidus* (Boheman, 1845)** – [Nast, 1972: 414; Ossiannilsson, 1983; McKamey, 2002]; in doubt [Spuris, 1996b].

***Psammotettix koeleriae* Zachvatkin, 1948** – [Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

***Psammotettix makarovi* Moravskaja, 1952** – [Nast, 1987; Vilbaste, 1974; Spuris, 1996b].

***Psammotettix nodosus* (Rb., 1925)** – [Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Psammotettix ornaticeps* (Horváth, 1897)** – [Данка, 1964; Nast, 1972; Spuris, 1996b].

***Psammotettix pallidinervis* (Dahlbom, 1851)** – [Данка, 1964; Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1983; Nast, 1987; Spuris, 1996b; Söderman, Spunģis, 2008; Söderman, Gillerfors, Endrestol, 2009].

***Psammotettix poecilus* (Flor, 1861)** – [Nast, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1983; Varzinska, 1983; Nast, 1987; Spuris, 1996b; McKamey, 2002; Söderman, Gillerfors, Endrestol, 2009].

***Psammotettix sabulicola* (Curtis, 1837)** – [Vilbaste, 1974; Ossiannilsson, 1983; Nast, 1987; Spuris, 1996b; Söderman, Spunģis, 2008; Söderman, Gillerfors, Endrestol, 2009; Thanou et al., 2018].

***Psammotettix slovacus* Dlabola, 1948** – [Söderman, Gillerfors, Endrestol, 2009].

Adarrus Ribaut, 1946

***Adarrus multinotatus* (Boheman, 1847)** – [Vilbaste, 1974; Ossiannilsson, 1983; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Errastunus Ribaut, 1946

***Errastunus ocellaris* (Fallén, 1806)** – [Данка, 1964; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Söderman, Spunģis, 2008; Söderman, Gillerfors, Endrestol, 2009; Petrova, Jankevica, Samsone, 2013]; = *Adarrus ocellaris* (Fallén, 1806) [Velce, 1968; Danka, Stiprais, 1972; Velce, 1972; Nast, 1972; Danka, 1973; Spuris, 1996b].

Turrutus Ribaut, 1946

***Turrutus socialis* (Flor, 1861)** – [Данка, 1964; Velce, 1968; Nast, 1972; Velce, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Spunģis, 2008; Söderman, Gillerfors, Endrestol, 2009].

Jassargus Zachvatkin, 1933

***Jassargus allobrogicus* (Ribaut, 1936)** – [Velce, 1968; Nast, 1972; Vilbaste, 1974; Ossiannilsson, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Jassargus alpinus* (Then, 1896)** – [Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009]; = *Jassargus neglectus* (Then, 1896) [Vilbaste, 1973: 20; Ossiannilsson, 1983]; = *Jassargus neglectus* (Wg.) [Vilbaste, 1974].

***Jassargus distinguendus* (Flor, 1861)** – [Nast, 1972; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b]; = *Jassargus pseudocellaris* (Fl. 1861) [Данка, 1964; Velce, 1968; Velce, 1972; Danka, 1973; Vilbaste, 1973; Söderman, Gillerfors, Endrestol, 2009].

***Jassargus flori* (Fieber, 1869)** – [Данка, 1964; Velce, 1968; Nast, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

***Jassargus repletus* (Fieber, 1869)** – [Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Сивцев, Винокуров, 2002].

***Jassargus sursumflexus* (Then, 1902)** – [Velce, 1968; Nast, 1972; Danka, 1973; Vilbaste, 1974;

Ossiannilsson, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Pinumius Ribaut, 1946

Pinumius areatus (Stål, 1858) – [Vilbaste, 1974; Ossiannilsson, 1983; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009].

Diplocolenus Ribaut, 1946

Diplocolenus abdominalis (Fabricius, 1803) – [Данка, 1964; Велце, 1968; Velce, 1968; Danka, Stiprais, 1972; Nast, 1972: 430; Danka, 1973; Velce, 1972; Nast, 1987; Spuris, 1996b]; = *Verdanus abdominalis* (Fabricius, 1803) [Vilbaste, 1973: 20; Vilbaste, 1974; Varzinska, 1983; Söderman, Gillerfors, Endrestol, 2009].

Diplocolenus bohemani (Zetterstedt, 1838) – [Данка, 1964; Velce, 1968; Nast, 1972; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Spuņģis, 2008; Söderman, Gillerfors, Endrestol, 2009].

Arthaldeus Ribaut, 1946

Arthaldeus arenarius Remane, 1960 – [Ziemelis, 2012].

Arthaldeus pascuellus (Fallen, 1826) – [Данка, 1964; Velce, 1968; Nast, 1972; Velce, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Arthaldeus striifrons (Kirschbaum, 1868) – [Данка, 1964; Velce, 1968; Nast, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Sorhoanus Ribaut, 1946

Sorhoanus assimilis (Fallen, 1806) – [Велце, 1968; Velce, 1968; Nast, 1972; Velce, 1972; Danka, 1973; Vilbaste, 1973; Vilbaste, 1974; Ossiannilsson, 1983; Varzinska, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Sorhoanus xanthoneurus (Fieber, 1869) – [Velce, 1968; Nast, 1972; Danka, 1973; Vilbaste, 1974; Ossiannilsson, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Cosmotettix Ribaut, 1942

Cosmotettix caudatus (Flor, 1861) – [Nast, 1972; Vilbaste, 1974; Ossiannilsson, 1983; Nast, 1987; Spuris, 1996b; McKamey, 2002; Ануфриев, Кириллова, 1998; Söderman, Gillerfors, Endrestol, 2009]; = *Palus caudatus* (Fl. 1861) [Velce, 1968; Velce, 1972; Danka, 1973].

Cosmotettix costalis (Fallén, 1826) – [Nast, 1972; Ossiannilsson, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009; Vilbaste, 1974]; = *Palus costalis* (Fall., 1806) [Velce, 1968; Danka, 1973; Vilbaste, 1973].

Cosmotettix edwardsi (Lindberg, 1924) – [Varzinska, 1983; Nast, 1987; Spuris, 1996b; Ануфриев, Кириллова, 1998].

Cosmotettix panzeri (Flor, 1861) – [Nast, 1972; Ossiannilsson, 1983; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009, = *Palus panzeri* Fl., 1861 [Vilbaste, 1973]; in doubt [Vilbaste, 1974].

Calamotettix Emeljanov, 1959

Calamotettix taeniatus (Horváth, 1911) – [Ziemelis, 2012, 2014].

Mocuellus Ribaut, 1946

Mocuellus collinus (Boheman, 1850) – [Данка, 1964; Velce, 1968; Nast, 1972; Velce, 1972; Danka, 1973; Vilbaste, 1974; Varzinska, 1983; Nast, 1987; Spuris, 1996b]. [Söderman, Gillerfors, Endrestol, 2009].

Erzaleus Ribaut, 1952

Erzaleus metrius (Flor, 1861) – [Söderman, Gillerfors, Endrestol, 2009; Vilbaste, 1974; Nast, 1987]; = *Mocuellus metrius* (Flor, 1861) [Velce, 1968; Nast, 1972: 442; Ossiannilsson, 1983; Spuris, 1996b].

Additional checklist (doubtful for Latvia)

Fulgoromorpha Evans, 1946

Fulgoroidea Latreille, 1807

Cixiidae Spinola, 1839

Cixiinae Spinola, 1839

Cixiini Spinola, 1839

Cixius stigmaticus (Germar, 1818) – [Nast, 1972; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Delphacidae Leach, 1815

Asiracinae de Motschulsky, 1863

Asiracini de Motschulsky, 1863

Asiraca clavicornis (Fabricius, 1794) – [Nast, 1972; Nast, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009].

Delphacidae of uncertain generic position

Delphax hemiptera Germar, 1818 – [Spuris, 1996b].

Delphax stenoptera Flor – [Вильбасте, 1960].

Tettigometridae Germar, 1821

Tettigometrinae Germar, 1821

Tettigometrini Germar, 1821

Tettigometra virescens (Panzer, 1799) – [Nast, 1972]

Cicadomorpha Evans, 1946

Cercopoidea Leach, 1815

Cercopidae Leach, 1815

Cercopinae Leach, 1815

Cercopini Leach, 1815

Cercopis sanguinolenta (Scopoli, 1763) – [Vilbaste, 1973; Spuris, 1996, 16-31].

Membracoidea Rafinesque, 1815

Cicadellidae Latreille, 1825

Eurymelinae Amyot & Audinet-Serville, 1843

Idiocerini Baker, 1915

Sahlbergotettix salicicola (Flor, 1861) – [Spuris, 1996b; McKamey, 2002].

Tremulicerus fulgidus (Fabricius, 1775) – = *Populicerus fulgidus* (Fabricius, 1775) [Nast, 1987]; = *Idiocerus fulgidus* (Fabricius, 1775) [Spuris, 1996b].

Tremulicerus vitreus (Fabricius, 1803) – [Nast, 1987; Ануфриев, Кириллова, 1998]; = *Idiocerus vitreus* (Fabricius, 1803) [Nast, 1972; Spuris, 1996b].

Idiocerini of uncertain generic position

Idiocerus varius Germar, nomen nudum – [Spuris, 1996b].

Typhlocybinae Kirschbaum, 1868

Empoascini Distant, 1908

Kybos limpidus (Wagner, 1955) – in doubt [Nast, 1987].

Erythroneurini Young Jr., 1952

Zyginidia scutellaris (Herrich-Schäffer, 1838) – [Spuris, 1996b].

Deltocephalinae Dallas, 1870

Penthimiini Kirschbaum, 1868

Penthimia nigra (Goeze, 1778) – [Nast, 1972, 1987; Spuris, 1996b].

Limotettigini Baker, 1915

Ophiola identica (Tishechkin, 2003) – [Söderman, Gillerfors, Endrestol, 2009].

Athysanini Van Duzee, 1892

Euscelis lineolata Brullé, 1832 – = *Euscelis stictoptera* (Flor, 1861) [McKamey, 2002].

Hardya tenuis (Germar, 1821) – [Nast, 1972, 1987; Spuris, 1996b; Söderman, Gillerfors, Endrestol, 2009], цит. Gimmerthal, 1846].

Paralimnini Distant, 1908

Psammotettix lividellus (Zetterstedt, 1840) – [McKamey, 2002].

DISCUSSION

Therefore, 373 species of cicadas related to 146 genera, 7 families and 2 suborders are currently registered in Latvia (Table 1). The habitation of 17 species in Latvia is in doubt.

The greatest taxonomic diversity is occurring in tribes Delphacini (Delphacidae), Typhlocybini, Macrostelini, Athysanini and Paralimnini (Cicadellidae), which is typical for this part of Eastern Europe (Borodin 2014, 2019).

To assess the degree of study of individual regions of Latvia, and the completeness of the coverage of taxonomic groups of cicadas, additional field studies need to be done, as well as analysis of materials stored in collection funds of Latvia (primarily in Latvian National Museum of Natural History, Museum of Zoology of University of Latvia, Institute of Biology, University of Latvia collections, Collection of University of Daugavpils) which containing, according to our preliminary analysis, at least

Table 1. Taxonomic structure of the Fulgoromorpha and Cicadomorpha fauna of Latvia

Taxon	Species		Genera	
	Number	%	Number	%
Fulgoromorpha Evans, 1946	75	20,2	37	25,3
Fulgoroidea Latreille, 1807	75	20,2	37	25,3
Cixiidae Spinola, 1839	5	1,3	2	1,4
Cixiinae Spinola, 1839	5	1,3	2	1,4
Cixiini Spinola, 1839	4	1,1	1	0,7
Pentastirini Emeljanov, 1971	1	0,3	1	0,7
Delphacidae Leach, 1815	67	18,0	33	22,6
Kelisiinae Wagner, 1963	10	2,7	2	1,4
Stenocraninae Wagner, 1963	3	0,8	1	0,7
Delphacinae Leach, 1815	54	14,5	30	20,5
Delphacini Leach, 1815	54	14,5	30	20,5
Tettigometridae Germar, 1821	2	0,5	1	0,7
Tettigometrinae Germar, 1821	2	0,5	1	0,7
Tettigometrini Germar, 1821	2	0,5	1	0,7
Caliscelidae Amyot et Serville, 1843	1	0,3	1	0,7
Ommatidiotinae Fieber, 1875	1	0,3	1	0,7
Ommatidiotini Fieber, 1875	1	0,3	1	0,7
Cicadomorpha Evans, 1946	298	80,1	109	74,7
Cercopoidea Leach, 1815	11	3,0	5	3,4
Aphrophoridae Amyot-Serville, 1843	11	3,0	5	3,4
Aphrophorinae Amyot & Audinet-Serville, 1843	11	3,0	5	3,4
Cloviini Schmidt, 1920	1	0,3	1	0,7
Philaenini Metcalf, 1955	5	1,3	2	1,4
Aphrophorini Amyot & Audinet-Serville, 1843	5	1,3	2	1,4
Membracoidea Rafinesque, 1815	287	77,2	104	71,2
Membracidae Rafinesque, 1815	2	0,5	2	1,4
Centrotinae Amyot & Audinet-Serville, 1843	2	0,5	2	1,4
Gargarini Distant, 1908	1	0,3	1	0,7
Centrotini Amyot & Audinet-Serville, 1843	1	0,3	1	0,7
Cicadellidae Latreille, 1825	285	76,6	102	69,9
Ulopinae Le Peletier de Saint-Fargeau & Audinet-Serville, 1825	1	0,3	1	0,7
Ulopiini Le Peletier de Saint-Fargeau & Audinet-Serville, 1825	1	0,3	1	0,7
Megophthalminae Kirkaldy, 1906	6	1,6	3	2,1
Megophthalmini Kirkaldy, 1906	1	0,3	1	0,7
Agalliini Kirkaldy, 1901	5	1,3	2	1,4
Eurymelinae Amyot & Audinet-Serville, 1843	31	8,3	10	6,8
Macropsini Evans, 1935	19	5,1	5	3,4

Taxon	Species		Genera	
	Number	%	Number	%
Idiocerini Baker, 1915	12	3,2	5	3,4
Iassinae Walker, 1870	3	0,8	2	1,4
Batracomorhini Krishnankutty, Dietrich, Dai & Siddappaji, 2016	2	0,5	1	0,7
Iassini Walker, 1870	1	0,3	1	0,7
Aphrodinae Haupt, 1927	14	3,8	4	2,7
Aphrodini Haupt, 1927	14	3,8	4	2,7
Evacanthinae Metcalf, 1939	2	0,5	1	0,7
Evacanthini Metcalf, 1939	2	0,5	1	0,7
Cicadellinae Latreille, 1825	3	0,8	2	1,4
Cicadellini Latreille, 1825	3	0,8	2	1,4
Typhlocybinae Kirschbaum, 1868	98	26,3	23	15,8
Alebrini McAtee, 1926	2	0,5	1	0,7
Dikraneurini McAtee, 1926	15	4,0	4	2,7
Empoascini Distant, 1908	21	5,6	4	2,7
Typhlocybini Kirschbaum, 1868	46	12,4	10	6,8
Erythroneurini Young Jr., 1952	14	3,8	4	2,7
Deltocephalinae Dallas, 1870	127	34,1	56	38,4
Eupelicini Sahlberg, 1871	1	0,3	1	0,7
Fieberiellini Wagner, 1951	1	0,3	1	0,7
Koebeliini Baker, 1897	1	0,3	1	0,7
Opsiini Emeljanov, 1962	2	0,5	1	0,7
Macrostelini Kirkaldy, 1906	22	5,9	5	3,4
Deltocephalini Dallas, 1870	1	0,3	1	0,7
Chiasmini Distant, 1908	5	1,3	1	0,7
Cicadulini Van Duzee, 1892	15	4,0	4	2,7
Limotettigini Baker, 1915	9	2,4	3	2,1
Athysanini Van Duzee, 1892	28	7,5	21	14,4
Paralimnini Distant, 1908	42	11,3	17	11,6
Total	373	100,0	146	100,0

50,000 specimens of cicadas, many of which are still not identified to species level (Jankevica 2017, Kagainis et al. 2020).

Sciences (Estonia) is stored several thousands of specimens of the cicadas collected in Latvia (Abarenkov et al. 2010).

The specimens stored in scientific organizations of other countries can also have significant interest. For example, in the collections Estonian Museum of Natural History, Natural History Museum of the University of Tartu, insect collection of the Estonian University of Life

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Received: 28.08.2021
Accepted: 25.10.2021.