

THE GENUS *STENURELLA* VILLIERS, 1974 (COLEOPTERA: CERAMBYCIDAE) IN THE FAUNA OF LATVIA

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Abstract

The current study presents new faunistic records of three species of the genus *Stenurella* Villiers, 1974 in the fauna of Latvia.

Keywords: Coleoptera, Cerambycidae, *Stenurella*, fauna, Latvia.

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INTRODUCTION

The genus *Stenurella* Villiers, 1974 (Coleoptera: Cerambycidae) belongs to the subfamily Lepturinae Latreille, 1802 and tribe Lepturini Latreille, 1802. Species of this genus are small, narrow, with elongate head and well developed cheeks. Imago usually can be collected on flowers, but larval stages are associated with decaying wood, contacting with soil. In the world fauna this genus is represented by 12 species, some of which were divided into several subspecies. Status of some taxa are unclear. For instance, Danilevsky (2014) suggested that *Stenurella samai* Rapuzzi, 1995, *Stenurella pamphyliae* Rapuzzi & Sama, 2010 and *Stenurella zehrae* Özdikmen et al. 2012 to be regarded as subspecies of *Stenurella melanura* (Linnaeus, 1758).

The species of the genus *Stenurella* are distributed in Western Palearctic Region, except *S. melanura*, which has Transpalearctic distribution range (Sama 2002, Löbl & Smetana 2010, Özdikmen et al. 2012, Danilevsky 2014).

Özdikmen (2013) divided this genus into six subgenera: *Priscostenurella* Özdikmen, 2013, *Stenurelloides* Özdikmen, 2013, *Nigrostenurella* Özdikmen, 2013, *Crassostenurella* Özdikmen, 2013, *Iberostenurella* Özdikmen, 2013 and *Stenurella* (s. str.). Danilevsky (2014) confirmed these taxonomic changes and also used this system in his study.

In the fauna of Latvia genus *Stenurella* represented by three species: *S. (s. str.) melanura*, *S. (Priscostenurella) bifasciata* (O. F. Müller, 1776) and *S. (Nigrostenurella) nigra* (Linnaeus, 1758). The first two species are presented by nominative subspecies in the fauna of Latvia.

First faunistic data about *Stenurella* collected in the territory of Latvia were published by Fischer (1784, 1791) and it was the first record of *S. me-*

lanura from Kurzeme region (Western part of Latvia (Kurland)). Later faunistic data about finding of *Stenurella* in Latvia were published by several authors in more than ten publications.

The present study summarizes our knowledge of the genus of the fauna of Latvia.

Analyzing distribution of the genus *Stenurella* in Latvia – was found that *S. melanura* is wide-spread species throughout the country, while other two species are rather rare: *S. nigra* distributed mainly in the western and central parts of Latvia, and *S. bifasciata* are known mainly in the south-eastern part of Latvia.

MATERIAL AND METHODS

The present study was based on the material collected during the period from 2021 to 2022 from May to August.

All studied specimens are deposited in DUBC (Beetle collection, Coleopterological Research Centre, Institute of Life Sciences and Technology Daugavpils University) located in Ilgas, Skrudaliena parish, Daugavpils District, Latvia.

The list of faunistic references are listed in the beginning of each species in chronological order and contains faunistic data about finding of species *Stenurella* in Latvia. Localities in alphabetical order, collecting date and number of specimens are provided in the list of the examined material. The taxonomic system used in the present study is following Danilevsky (2014).

The laboratory research have been performed using *Nikon AZ100*, *Nikon SMZ745T* and *Zeiss Stereo Lumar V12* digital stereomicroscopes and *NIS-Elements 6D* software.

List of species

1. *Stenurella* (*s. str.*) *melanura* (Linnaeus, 1758)

Leptura melanura Linnaeus, 1758: 397

Strangalia melanura v. melanurella Reitter, 1901: 78

Leptura semicrassa Pic, 1901: 58

References: Fischer 1784, 1791, Precht 1818, Gimmerthal 1829, Kawall 1868, Seidlitz 1872–1875, 1878–1891, Stiprais 1964, Ozols 1968, 1970, 1982, Rūtenberga 1980, Spuris & Stiprais, 1982, Spuris 1984, Barševskis 1988, 1993, Dunsksis & Barševskis 2018, Barševskis & Lecka 2019.

General distribution: Europe, NW Turkey, Caucasus, Kazakhstan, Siberia.

Material: Aglona, 14.08.2022 (2); Aiviekste, 22.07.2022 (>20); Aizkraukle, 23.07.2022 (>20); Aknīste, 12.07.2022 (11); Alsunga, 08.06.2021 (>20); Ambeļi, 18.07.2022 (>20); Annenieki, 09.06.2021 (14); Asare, 07.2022 (>20), 08.2022 (>20); Auce, 06.07.2021 (>20); Audriņi, 27.07.2022 (>20), 28.08.2022 (2); Ābeļi, 03.08.2022 (>20); Baldone, 12.07.2022 (>20); Balvi, 27.07.2022 (4), 28.08.2022 (3); Bekši, 01.08.2022 (9), 28.08.2022 (1); Birkeneļi, 23.06.2021 (>20); Blāzma, 08.06.2021 (>20); Brocēni, 09.06.2021 (>20); Červonka, 06.2022 (15); Daugmale, 10.06.2021 (>20), 11.08.2021 (15), 23.07.2022 (>20); Daugavpils, Nīderkūni, 24.06.2021 (1), 12.06.2022 (3), 23.06.2022. (1); Demene, 20.07.2022 (>20); Dobeļe, “Reķi”, 06.07.2021 (>20); Dzelmes, 14.07.2022 (14); Dunava, 12.06.2022 (>20), 08.07.2022 (>20), 03.08.2022 (>20); Dundaga, 08.06.2021 (7), 12.07.2021 (>20); Dviete, 12.06.2022 (>20), 08.07.2022 (>20), Eglaine, 27.06.2021 (>20); Elerne, Nature Park “Daugavas loki”, 21.07.2022 (11); Engure, 19.07.2022 (7); Gaigalava, 27.07.2022 (>20), 28.08.2022 (3); Grobiņa, 09.06.2021 (>20); Ilgas, Nature park “Silene”, 02.07.2021 (>20), 18.08.2021 (13), 06.–11.06.2022 (>20), 15.06.2022 (>20), 18.–22.06.2022 (>20), 25.–29.06.2022 (>20), 01.–07.07.2022 (>20), 17.07.2022 (>20), 20.07.2022 (7), 02.08.2022 (6), 09.08.2022 (8), 16.08.2022 (5), 20.08.2022 (1), 03.09.2022 (1); Ilūkste,

12.06.2022 (10), 08.07.2022 (2); Irši, 11.08.2021 (11); Izvalta, 18.07.2022 (>20); Jaunagļona, 01.08.2022 (4); Jaunbērze, 07.07.2021 (9); Jaunjelgava, 23.07.2022 (>20); Jaunpils, 07.07.2021 (2); Jāņkalns, 22.07.2022 (>20); Jersika, 14.07.2022 (13); Jezufova, 21.07.2022 (>20); Jēkabpils, 14.07.2022 (8); Jūrkalne, 08.06.2021 (9); Kalsnava, 22.07.2022 (>20); Kalupe, 05.07.2021 (>20); Kaļķi, Kaļķupe Nature Reserve, 12.07.2021 (>20); Kandava, 08.06.2021 (17); 07.07.2021 (>20); Kaplava, Nature Park "Daugavas loki", 21.07.2022 (>20); Ķegums, 09.07.2021 (5); 14.07.2022 (2), 23.07.2022 (13); Ķekava, 12.07.2022 (7); Koknese, 14.07.2022 (15); Krauja, 06.2022. (11), 07.2022 (>20); Krāslava, Nature Park "Daugavas loki", 21.07.2022 (>20); Kolka, Slītere National park, 12.07.2021 (>20); Kombuļi, 20.07.2022 (>20); Laucese, 20.07.2022 (>20); Lielvārde, 14.07.2022 (6); Līvāni, 14.07.2022 (3); Malta, 01.08.2022 (13), 28.08.2022 (1); Mazirbe, Slītere National park, 08.06.2021 (15), 12.07.2021 (>20); Medņi, 27.07.2022 (16), 28.08.2022 (3); Melnsils, 19.07.2021 (6); Nereta, 27.06.2021 (>20), 03.08.2021 (2), 12.07.2022 (>20); Neveja, 08.06.2021 (>20), 12.07.2021 (>20); Nīcgale, 05.07.2021 (>20); Pāvilosta, 09.06.2021 (>20); Pļaviņas, 14.07.2022 (4); Pope, 07.07.2021 (>20); Preiļi, 27.07.2022 (3); Ragačiemis, 19.07.2021 (>20); Randene, 23.06.2021 (>20); Rēzekne, 01.08.2022 (2), 28.08.2022 (1); Riebiņi, 27.07.2022 (>20), 28.08.2022 (8); Rite, 07.2022 (>20), 08.2022 (>20); Rīteri, 14.07.2022 (>20); Roja, 19.07.2021 (13); Rubeņi, 07.2022 (>20), 08.2022 (>20); Rudbārži, 09.06.2021 (>20); Rugāji, 27.07.2022 (4), 28.08.2022 (2); Saldus, 09.06.2021 (10); Sece, 23.07.2022 (10); Skrīveri, 14.07.2022 (9); Sabile, 08.06.2021 (>20), 07.07.2021 (>20); Sala, 23.07.2022 (11); Skrudaliena, 06.2022 (>20); Skruna, 09.06.2021 (>20); Slutišķi, Nature Park "Daugavas loki", 21.07.2022 (8); Spāre, 07.07.2021 (17); Sproģi, 27.06.2021 (>20); 07.2021 (>20), 03.08.2021 (3), 07.2022 (>20), 08.2022 (>20); Spuņciems, 07.07.2021 (8); Spuņģēni, 14.07.2022 (>20), 22.07.2022 (7); Subate, 27.06.2021 (>20); Suntaži, "Spainiši", 21.08.2021 (7); Šķeltova, 18.07.2022 (>20); Talsi, 08.06.2021 (3), 07.07.2021. (6), 12.07.2021 (4); Tukums, 12.07.2021 (9); Valle, 27.06.2021 (>20), 12.07.2022 (>20); Stabulnieki,

27.07.2022 (12), 28.08.2022 (1); Sudrabkalns, 03.08.2022 (11); Svente, 12.06.2022 (>20), 08.07.2022 (>20); Šlītere, Slītere National park, 12.07.2022 (>20); Tadenava, 12.06.2022 (>20), 08.07.2022 (>20); Ugāle, 07.07.2021 (>20); Usma, 07.07.2021 (>20); Vabole, 05.07.2021 (>20); Valle, 27.06.2021 (>20); Vandāni, 03.08.2022 (>20); Vasergelišķi, Nature Park "Daugavas loki", 21.07.2022 (9) Vecauce, 06.07.2021 (>20); Vecumnieki, 27.06.2021 (>20), 12.07.2022 (>20); Vērgale, 09.06.2021 (>20); Viesīte, 07.2022 (>20), 08.2022 (>20); Viļāni, 27.07.2022 (6), 28.08.2022 (1); Višķi, 01.08.2022 (13); Zalve, 07.2022 (>20), 08.2022 (>20); Zlēkas, 08.06.2021 (>20); Žocene, 18.–19.07.2021 (7).

2. *Stenurella (Nigrostenurella) nigra* (Linnaeus, 1758)

Leptura nigra Linnaeus, 1758: 398

References: Kawall 1865, 1866, 1868, Seidlitz 1872–1875, 1878–1891, Mikutowicz 1905, Lackschewitz & Mikutowicz 1939, Stiprais 1964, Spuris 1977, 1984, Spuris & Stiprais 1982, Dunsķis & Barševskis 2018, Barševskis & Lecka 2019.

General distribution: Europe, N Turkey, Caucasus, Transcaucasia, N Iran.

Material: Blāzma, 08.06.2021 (1); Jūrkalne, 08.06.2021 (1); Kaļķi, Kaļķupe Nature Reserve, 12.07.2021 (1); Pope, 07.07.2021 (1); Šlītere, Slītere National park, 12.07.2022 (1); Užava, 08.06.2021 (1); Zlēkas, 08.06.2021 (2).

Note: This species were found mainly in West and Central parts of Latvia.

3. *Stenurella (Priscostenurella) bifasciata* bifasciata (O. F. Müller, 1776)

Leptura bifasciata O. F. Müller, 1776: 93

References: Gimmerthal 1829, Kawall 1868, Seidlitz 1872–1875, 1878–1891, Stiprais 1964, Spuris 1977, Barševskis 1988, 1993, Barševskis & Savenkovs 1991, Barševskis & Lecka 2019, Dunsķis & Barševskis 2018.

General distribution: Europe, NW and C Turkey, Iraq, Caucasus, Kazakhstan, W Siberia.

Material: Aglona, 14.08.2022 (2); Aknīste, 12.07.2022 (1); Dunava 08.07.2022 (1); Elerne, Nature park "Daugavas loki", 21.07.2022 (3, A. Barševskis leg.); Eglaine, 27.06.2021 (1); Ilgas, Nature park "Silene", 18.08.2021 (5), 17.07.2022 (1), 20.07.2022 (3), 02.08.2022 (8), 09.08.2022 (2), 16.08.2022 (4), 20.08.2022 (3); Irši, 11.08.2021 (1); Jezufova, 21.07.2022 (1); Jēkabpils, 14.07.2022 (2); Kaplava, Nature Park "Daugavas loki", 21.07.2022 (4); Krāslava, Nature Park "Daugavas loki", 21.07.2022 (5); Pilskalne, 23.07.2022 (1); Rīteri, 14.07.2022 (1); Slutišķi, Nature Park "Daugavas loki", 21.07.2022 (2); Vandāni, 03.08.2022 (1); Vasergelišķi, Nature Park "Daugavas loki", 21.07.2022 (3).

Note: This species was found mainly in south-eastern and central part of Latvia.

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