

REVIEW OF THE LEAF-BEETLES SUBFAMILY CRYPTOCEPHALINAE GYLLENHAL, 1813 (COLEOPTERA: CHRYSOMELIDAE) OF THE FAUNA OF LATVIA

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The information about leaf-beetles Cryptocephalinae Gyllenhal, 1813 (Coleoptera: Chrysomelidae) subfamily of Latvian fauna is presented. The list of Latvian species of Cryptocephalinae is given, in which 36 species have been divined. Faunistic data about 27 leaf beetles, which are stored in the collection of Daugavpils Universitate Institute of Systemetic Biology (DUBC), have been published. In total 663 specimens were reviewed in the investigation.

Key words: Coleoptera, Chrysomelidae, Cryptocephalinae, Latvia, fauna.

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INTRODUCTION

Cryptocephalinae Gyllenhal, 1813 is one of largest, widespread subfamily of the leaf-beetles (Chrysomelidae). 5 tribus, about 40 genera are known. In Latvia 2 genera and 36 species are known (Telnov 2004; Silfverberg 2004). In adjacent territories the number of the registered species from this subfamily differs a little: Byelarus - 40 species (Lopatin, Nesterova 2005), Lithuania – 35 species, Estonia - 29 species (Silfverberg 2004), St. Peterburg and Leningrad province - 31 species (Romantsov 2007).

Four species, which occur in Latvia, in Northern Europe are known only from Latvia – *C. (C.) signatifrons* Suffrian, 1847, *C. (Burlinius) chrysopus* (Gmelin, 1788), *C. (Burlinius) elegantulus* Gravenhorst, 1807 and *C. (Burlinius) pygmaeus* Fabricius, 1792 (Silfverberg 2004).

Imago of Cryptocephalinae occur mostly on herbs and deciduous trees, often on flowers, rarely on coniferous trees. Larvae live within larval case, inhabit ground-litter, sometimes occur on plants, feed on leaf-litter or fresh leaves (especially in young instars), pupate

in the soil or on stems of herbs (Bieńkowski 2003).

The first data about the leaf-beetles' species of *Cryptocephalinae* Gyllenhal, 1813 subfamily in Latvian fauna appeared in following works (Fischer 1784, 1791; Kawall 1866; Seidlitz 1887-1891; and others).

Latvian fauna of leaf-beetles of this subfamily has been investigated irregularly till now. In M. Stiprais' (1977) publication one can find faunistic data on 19 species of *Cryptocephalus* Müller, 1764 and one species of *Pachybrachis* Chevrolat, 1837. In 1993 A. Barševskis' monograph „The beetles of Eastern Latvia” was issued, data about 27 species of *Cryptocephalinae* subfamily can be found there. In recent years only separate data about occurrence of some rare species have been published (Barševskis et al. 2004; Telnov 2001; Telnov, Kalniņš 2003; Telnov et al. 2005; Telnov et al. 2006), as well as list of species of leaf-beetles of *Cryptocephalinae* subfamily can be found in the published list of Latvian beetles (Telnov et al. 1997; Telnov 2004).

The aim of this work is to summarize information on *Cryptocephalinae* subfamily from the collection of Daugavpils University Institute of Systematic Biology (DUBC). In the article also the list of Latvian species of *Cryptocephalinae* has been published. 36 species have been defined for Latvian fauna.

MATERIAL AND METHODS

The material has been collected in the time period from 1986 till 2007. In total 663 specimens of *Cryptocephalinae* subfamily have been defined. The material is stored in Daugavpils University Institute of Systematic Biology (DUBC).

In this article the systematics of leaf-beetles conforms with H. Silfverberg (2004) and A. Warchalowski (2003) works. Scientific works of the following authors (Bieńkowski 2004; Lopatin, Nesterova 2005; Gurjeva, Kryzhanovskij 1965; Mohr 1966; Warchalowski 2003) were used for determination of the species.

The information about the species, which can be found in Latvia was based on Latvian (Telnov 2004) and North European (Silfverberg 2004) catalogues of beetles, and work “The genus *Cryptocephalus* (Chrysomelidae) of Palearctic region” (Lopatin, Dvogoilo 2002).

The publication is supplemented with the cartographic material with the findings of the enlisted species, it has been produced in ArcGis 9.1. The pictures are made by stereomicroscope *Zeiss SteREO Lumar V12* and *Axiocam* digital camera.

RESULTS AND DISCUSSION

During the research 27 species and 2 genera of *Cryptocephalinae* subfamily were recorded. Overall, the species list of the Latvian fauna of this subfamily includes 36 species. Species marked with (-) are considered by the authors as possibly to be found in Latvia in the future, but they were presented in old data (Seidlitz 1887-1891; Rathlef 1905) or in adjacent countries.

LIST OF LATVIAN CRYPTOCEPHALINAE

CRYPTOCEPHALINAE Gyllenhal, 1813

PACHYBRACHINI Chapuis, 1874

PACHYBRACHIS Chevrolat, 1837

1. *P. hieroglyphicus hieroglyphicus* (Laicharting, 1781) Norway, Estonia and Lithuania (Silfverberg 2004). Is known also from Byelarus (Lopatin, Nesterova 2005).
- CRYPTOCEPHALINI** Gyllenhal, 1813
CRYPTOCEPHALUS Müller, 1764
subgenus *Cryptocephalus* s. str.
2. *C. (C.) coryli* (Linnaeus, 1758)
 3. *C. (C.) cordiger* (Linnaeus, 1758)
 4. *C. (C.) octopunctatus* (Scopoli, 1763)
 5. *C. (C.) sexpunctatus* (Linnaeus, 1758)
 6. *C. (C.) distinguendus* Schneider, 1792
 7. *C. (C.) bipunctatus* (Linnaeus, 1758)
 8. *C. (C.) biguttatus* (Scopoli, 1763)
 9. *C. (C.) aureolus* Suffrian, 1847
 10. *C. (C.) sericeus* (Linnaeus, 1758)
 11. *C. (C.) hypochoeridis* (Linnaeus, 1758)
crustula Dufour, 1843
 (-) *C. (C.) solivagus* Leonardi & Sassi, 2001
 Note: The nearest locality of this species in Byelarus (Lopatin, Nesterova 2005) and Lithuania (Silfverberg 2004).
 12. *C. (C.) nitidus* (Linnaeus, 1758)
 13. *C. (C.) nitidulus* Fabricius, 1787
 14. *C. (C.) parvulus* Müller, 1776
 15. *C. (C.) coerulescens* Sahlberg, 1839
androgynus Marseul, 1875
 16. *C. (C.) decemmaculatus* (Linnaeus, 1758)
 (-) *C. (C.) frenatus* Laicharting, 1781
 Note: The nearest localities of this species in Byelarus (Lopatin, Nesterova 2005) and Lithuania (Silfverberg 2004).
 (-) *C. (C.) anticus* Suffrian, 1848
octacosmus Bedel, 1891
 Note: It is mentioned for Latvian fauna (Lopatin, Dovgailo 2002). The nearest localities of this species in Byelarus (Lopatin, Nesterova 2005) and Lithuania (Silfverberg 2004).
 17. *C. (C.) moraei* (Linnaeus, 1758)
 (-) *C. (C.) quadripustulatus* Gyllenhal, 1813
 Note: It is mentioned for Latvian fauna (Lopatin, Dovgailo 2002). In North Europe this species is known from Sweden, Finland, Norway, Estonia and Lithuania (Silfverberg 2004). Is known also from Byelarus (Lopatin, Nesterova 2005).
18. *C. (C.) flavipes* Fabricius, 1781
 19. *C. (C.) signatifrons* Suffrian, 1847
 20. *C. (C.) vittatus* Fabricius, 1775
- subgenus *Disopus* Stephens, 1839**
21. *C. (Disopus) pini* (Linnaeus, 1758)
- subgenus *Burlinius* Lopatin, 1965**
22. *C. (Burlinius) punctiger* Paykull, 1799
 23. *C. (Burlinius) pallifrons* Gyllenhal, 1813
 (-) *C. (Burlinius) janthinus* Germar, 1824
 Note: It is mentioned for Latvian fauna (Lopatin, Dovgailo 2002; Bieńkowski 2003). The nearest localities of this species in Byelarus (Lopatin, Nesterova 2005) and Lithuania (Silfverberg 2004).
 24. *C. (Burlinius) bilineatus* (Linnaeus, 1767)
 25. *C. (Burlinius) elegantulus* Gravenhorst, 1807
 26. *C. (Burlinius) chrysopus* (Gmelin, 1788)
 27. *C. (Burlinius) frontalis* Marsham, 1802
 28. *C. (Burlinius) ocellatus* Drapiez, 1819
 29. *C. (Burlinius) querceti* Suffrian, 1848
 30. *C. (Burlinius) labiatus* (Linnaeus, 1761)
 31. *C. (Burlinius) exiguus* Schneider, 1792
 32. *C. (Burlinius) pygmaeus* Fabricius, 1792
 33. *C. (Burlinius) fulvus* Goeze, 1777
 34. *C. (Burlinius) populi* Suffrian, 1848
 35. *C. (Burlinius) pusillus* Fabricius, 1777
 36. *C. (Burlinius) rufipes* (Goeze, 1777)
- Recently described *C. solivagus* Leonardi & Sassi, 2001 is very similar with *C. hypochoeridis* (L.). The authentic determination is possible at analysis of aedeagus and spermathecae. In our research we did

not ascertain *C.solivagus* Leonardi & Sassi, 2001. It is possible to predict a finding of this species in Latvia, as western border of its habitat is not specified yet. We give pictures of aedeagus of *C. hypochoeridis* (L.) (Fig. 1, 2, 3), *C.aureolus* Sffr. (Fig. 4, 5) and *C.sericeus* (L.) (Fig. 6. 7).

The status of *C.frenatus* Laich. is not clear. Some authors (Schöller 2002; and others) consider it as a colour variation and synonym of *C.decemmaculatus* (L.) (Fig. 8).

Occurrence of two species of the genus *Cryptocephalus* Geoffr. is unclear in Latvia. In 19th century *C. anticus* Sffr. and *C. quadripustulatus* Gyll. were recorded for „Livland” (or Livonia) with no precise locality. The southern part of the former Livland now belongs to Latvia, but the northern one is part of Estonia (Telnov 2004). In later years no data about the occurrence of this species in Latvia can be found, therefore it is unlikely that these species can be traced in Latvia.

FAUNISTIC DATA

In the list after the species name the place where it was found and the collecting date are indicated, in the brackets are indicated the number of collected specimens, information about habitat and collector's name.

Pachybrachis hieroglyphicus *hieroglyphicus* (Laicharting, 1781)

Examined material: 33 exs. - Localities (fig. 9): Daugavpils, 26.VI.1992. (1, valley of river Daugava; xeric meadow, leg. A.Barševskis); Daugavpils, Mežciems, Jaunciema Str. 2, 19.VII.2007. (2, leg. K.Aksjuta, M.Murd); Daugavpils d., Slutiški, 01.VII.1995. (9, valley of river Daugava, leg. A.Barševskis), 07.VII.1995. (5, old valley of river Daugava, leg. A.Barševskis); Daugavpils d., Elerne, 26.VI.2005. (1, leg. A.Barševskis & K.Barševska); Krāslava d., Krāslava, 05.VI.1989. (1, leg. A.Barševskis); Krāslava d., Piedruja, 23.V.1989. (4, leg. A.Barševskis), 25.V.1995. (1, light trap, leg. N.Savenkovs);



Figs. 1-3. *C.hypochoeridis* (L.): 1 - sclerite of internal sac of aedeagus, 2 - aedeagus in dorsal view, 3 - aedeagus in lateral view.

Krāslava d., Indrica, 16.VI.1989. (3, leg. A.Barševskis); Jēkabpils d., Dunava, 01.VIII.2005. (2, leg. A.Barševskis); Valmiera d., Kauguri rural municipality, 03.VII.2006. (4, forest near river Gauja, leg. A.Barševskis, U.Valainis, A.Pankjāns).

***Cryptocephalus (Cryptocephalus) coryli* (Linnaeus, 1758)**

Examined material: 10 exs. - Localities (fig. 10): Daugavpils d., Silene Nature Park, Ilgas, 1984. (1, leg. A.Barševskis), 13.VI.1991. (1, leg. A.Barševskis), 05.VI.1994. (1, leg. A.Barševskis), 29.VI.1995. (1, leg. A.Barševskis), 04.VII.1996. (1, leg. A.Barševskis), 25-30.V.1998. (2, leg. A.Barševskis), 11-14.VI.1998. (1, leg. A.Barševskis), 25.V.1999. (1, leg. A.Barševskis); Limbāži d., Kūiķule, near Lībiešu upurālas, 27.VII.2007. (1, leg. A.Barševskis).

***Cryptocephalus (Cryptocephalus) cordiger* (Linnaeus, 1758)**

Examined material: 1 ex. - Localities (fig. 11): Daugavpils d., Silene Nature Park, Ilgas, 1991. (1, leg. A.Barševskis).

***Cryptocephalus (Cryptocephalus) octopunctatus* (Scopoli, 1763)**

Examined material: 52 exs. - Localities (fig. 12): Daugavpils, near Mežciems, 24.VI.1991. (1, xeric habitat, leg. A.Barševskis); Daugavpils, 08.VII.1991. (1, xeric habitat, leg. A.Barševskis); Daugavpils d., Līksna rural municipality, Rīga-Krāslava beltway, near Ļubaste, 06.VI.2002. (2, leg. A.Barševskis), 17.V.2007. (1, leg. A.Barševskis, K.Barševska); Daugavpils d., Slutiški, 01.VII.1995. (1, valley of river Daugava, leg. A.Barševskis); Daugavpils d., Silene Nature Park, Ilgas, VI.1984. (1, leg. A.Barševskis), 02.VII.1994. (2, leg. A.Barševskis), 05.VI.1994. (2, leg. A.Barševskis), 15.VI.1996. (1, leg. A.Barševskis), 06.VII.1997. (1, leg. A.Barševskis), 29.IV.-10.VII.2000. (1, leg. L.Nikitina), 29.04.-10.VII.2000. (1, leg. A.Rutka), 06-15.VI.2004. (1, leg. A.Barševskis),



Figs. 4-5. *C. aureolus* Sffr.: 4 - aedeagus in dorsal view, 5 - aedeagus in lateral view.



Figs. 6-7. *C.sericeus* (L.): 6 - aedeagus in dorsal view, 7 - aedeagus in lateral view.

10.V.2006. (1, leg. A.Barševskis); Daugavpils d., Nature Park Daugavas Loki, Elerne, "Murauki", 24.V.2007. (1, leg. U.Valainis); Daugavpils d., Maļinova, 10.V.2001. (5, leg. R.Cibuļskis); Daugavpils d., Višķi, 17.V.1986. (3, A.Ba), 25.V.1987. (3, leg. A.Barševskis), 02.VI.1987. (1, leg. A.Barševskis), 20.V.1988. (1, leg. A.Barševskis); Krāslava d., Šķeltini, 21.V.1994. (2, leg. A.Barševskis); Krāslava d., Piedruja, 28.V.1991. (4, xeric meadow, leg. A.Barševskis); Krāslava d., Kļaslava, 11.VI.1987. (1, leg. A.Barševskis); Jēkabpils d., Dunava, 23.V.1993. (1, leg. A.Barševskis), 23.VI.1993. (1, leg. A.Barševskis), 22-23.VI.1998. (3, leg. A.Barševskis), 13.V.2007. (1, leg. A.Barševskis, K.Barševska), 03.VI.2007. (1, leg. A.Barševskis); Jēkabpils d., Rubene rural municipality, Rubeņi, 01.VI.1997. (1, leg. I.Leiskina); Preiļi d., Jersika, "Kurpnieki", 07.VI.2005. (1, leg. A.Barševskis), 04.VI.2006 (3, leg. A.Barševskis), 10.VI.2007. (1, leg. A.Barševskis & K.Barševska); Preiļi d., Līvāni, 30.V.2005. (1, leg. A.Barševskis).

Cryptocephalus (Cryptocephalus) sexpunctatus (Linnaeus, 1758)

Examined material: 6 exs. - Localities (fig. 13): Krāslava d., Šķeltova, 01.VI.1985. (1, leg. A.Barševskis); Daugavpils d., Vabole, 1993. (1, leg. M.Jukšs); Daugavpils d., Višķi,



Fig. 8. *C.decemmaculatus* (L.): aedeagus in dorsal view.

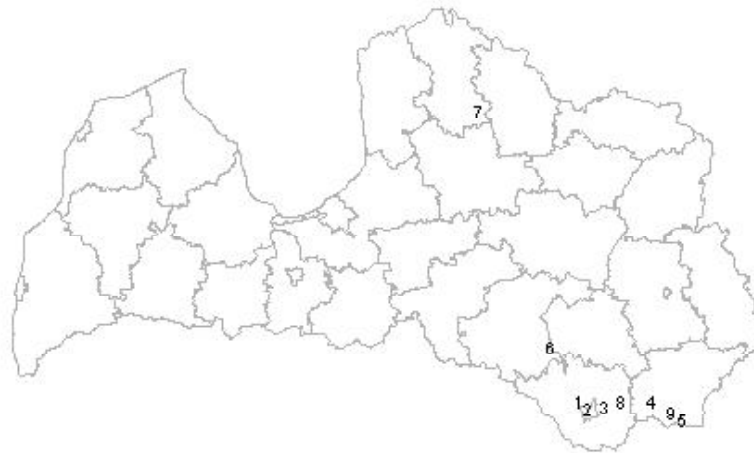


Fig. 9. Localities of *Pachybrachis hieroglyphicus hieroglyphicus* (Laicharting, 1781).
1 – Mežciems, 2 – Daugavpils, 3 – Elerne, 4 – Krāslava, 5 – Piedruja, 6 – Dunava, 7 – Kauguri, 8 – Slutišķi, 9 – Indrica.



Fig. 10. Localities of *Cryptocephalus (Cryptocephalus) coryli* (Linnaeus, 1758).
1 – Ilgas, 2 – Kuiķule.

1987, (1, leg. A.Barševskis); Daugavpils d., Silene Nature Park, Ilgas, 01.VI.1994. (1, leg. A.Barševskis), 18.VI.1996. (1, leg. A.Barševskis); Rīga d., Plakanciems, 23.VI.1993. (1, leg. N.Savenkovs).

***Cryptocephalus (Cryptocephalus) distinguendus* Schneider, 1792**

Examined material: 3 exs. - Localities (fig. 14): Jēkabpils d., Teiču Nature Reserve, Atašiene, 22.V.1991. (3, leg. A.Barševskis).

***Cryptocephalus (Cryptocephalus) bipunctatus* (Linnaeus, 1758)**

Examined material: 1 ex. - Localities (fig. 15): Rīga d., Lilaste, 21.VII.1991. (1, leg. N.Savenkovs).

Cryptocephalus (Cryptocephalus) biguttatus (Scopoli, 1763)

Examined material: 31 exs. - Localities (fig. 16): Daugavpils d., Silene Nature Park, Ilgas, 06.VII.1991. (2, leg. A.Barševskis), 03.VII.1992. (1, leg. A.Barševskis), 04.VII.1993. (1, leg. A.Barševskis), 12.VI.1994. (1, leg. A.Barševskis), 14.VI.1994. (3, leg. A.Barševskis), 18.VI.1994. (1, leg. A.Barševskis),

19.VI.1994. (2, leg. A.Barševskis), 18.VI.1996. (3, leg. A.Barševskis), 20.VI.1995. (1, leg. A.Barševskis), 15.VI.1997. (1, leg. A.Barševskis), 02.VII.1997. (1, leg. A.Barševskis), 25-30.VI.1998. (1, leg. A.Barševskis), 29.IV-10.VII.2000. (1, leg. L.Bogdāne), 02-10.VII.2004. (2, leg. A.Barševskis), 11.VI.2007. (2, leg. A.Barševskis), 25-27.VI.2007. (1, leg. A.Čukļiņa, J. Daņilova); Daugavpils d., 4,5 km NW Maļinova,



Fig. 11. Localities of *Cryptocephalus (Cryptocephalus) cordiger* (Linnaeus, 1758). 1 – Ilgas.

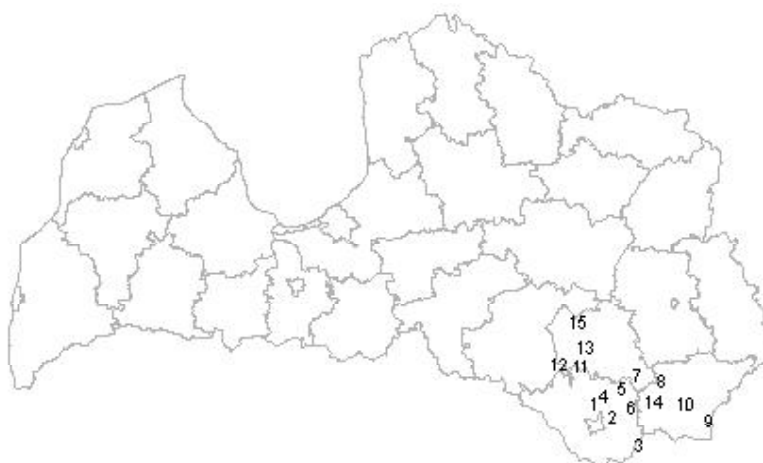


Fig. 12. Localities of *Cryptocephalus (Cryptocephalus) octopunctatus* (Scopoli, 1763). 1 – Mežciems, 2 – Daugavpils, 3 – Ilgas, 4 – Ļubaste, 5 – Maļinova, 6 – Elerne, 7 – Višķi, 8 – Šķeltova, 9 – Piedruja, 10 – Krāslava, 11 – Dunava, 12 – Rubeņi, 13 – Jersika, 14 – Slutišķi, 15 – Līvāni.

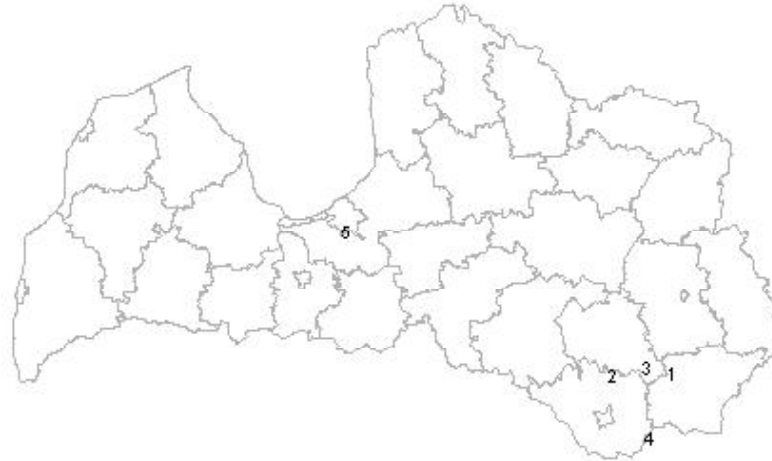


Fig. 13. Localities of *Cryptocephalus (Cryptocephalus) sexpunctatus* (Linnaeus, 1758).
1 – Šķeltova, 2 – Vabole, 3 – Višķi, 4 – Ilgas, 5 – Plakanciems.

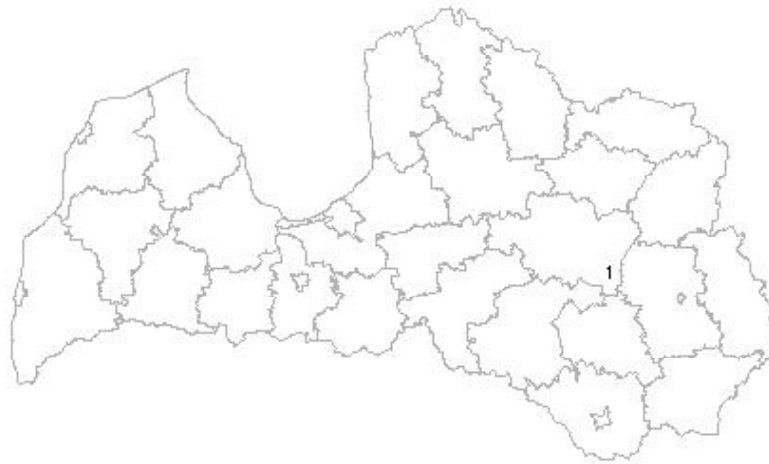


Fig. 14. Localities of *Cryptocephalus (Cryptocephalus) distinguendus* Schneider, 1792.
1 – Atašiene.

Medupe, 01.VII.1988. (1, leg. A.Barševskis);
Jēkabpils d., Rubene rural municipality,
Rubeņi, 28.VI.1998. (1, leg. I.Leiskina);
Jēkabpils d., Teiči Nature Reserve, Atašiene,
02.VII.1990. (1, leg. N.Savenkovs); Preiļi d.,
Jersika, 29.VI.1992. (1, leg. A.Barševskis),
23-24.VI.2006. (1, leg. A.Barševskis,
K.Barševska), 10.VII.2007. (1, leg.
A.Barševskis, K.Barševska); Rīga d.,
Plakanciems, 23.VI.1993. (1, leg.
N.Savenkovs).

***Cryptocephalus (Cryptocephalus)*
aureolus Suffrian, 1847**

Examined material: 66 exs. - Localities (fig.
17): Daugavpils d., Līksna rural municipality,
Rīga-Krāslava beltway, near Ļubaste,
01.VII.1991. (1, xeric habitat, leg.
A.Barševskis); Daugavpils d., Naujene,
13.VI.1989. (1, leg. A.Barševskis);
Daugavpils d., Silene Nature Park, Ilgas,

06.VI.1989. (2, leg. A.Barševskis), A.Barševskis), 14.VI.1997. (2, leg.
 30.VI.1989. (1, leg. A.Barševskis), A.Barševskis), 04.VII.1997. (1, leg.
 04.VII.1989. (1, leg. A.Barševskis), 1991. (1, A.Barševskis), 06.VII.1997. (5, leg.
 leg. A.Barševskis), 13.VI.1994. (3, leg. A.Barševskis), 25-30.V.1998. (3, leg.
 A.Barševskis), 14.VI.1994. (1, leg. A.Barševskis), 08-10.VI.1998. (3, leg.
 A.Barševskis), 19.VI.1994. (1, leg. A.Barševskis), 11-14.VI.1998. (1, leg.
 A.Barševskis), 18.VI.1995. (2, leg. A.Barševskis), 22-23.VI.1998. (1, leg.
 A.Barševskis), 29.VI.1995. (1, leg. A.Barševskis), 25-30.VI.1998. (2, leg.
 A.Barševskis), 13.VI.1996. (1, leg. A.Barševskis), 29.IV.-10.VII.2000. (1, leg.
 A.Barševskis), 14.VI.1996. (1, leg. A.Rutka), 29.IV.-10.VII.2000. (1, leg.
 A.Barševskis), 26.VII.1996. (1, leg. L.Nikitina), 29.IV.-10.VII.2000. (1, leg.



Fig. 15. Localities of *Cryptocephalus (Cryptocephalus) bipunctatus* (Linnaeus, 1758).
 1 – Lilaste.

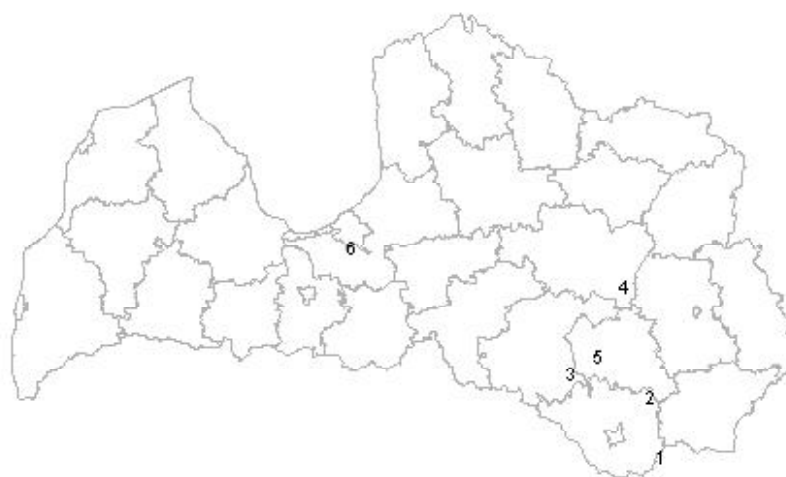


Fig. 16. Localities of *Cryptocephalus (Cryptocephalus) biguttatus* (Scopoli, 1763).
 1 – Ilgas, 2 – Medupe, 3 – Rubeņi, 4 – Teiči Nat. Reserve, 5 – Jersika, 6 – Plakanciems.



Fig. 17. Localities of *Cryptocephalus (Cryptocephalus) aureolus* Suffrian, 1847.
1 – Ļubaste, 2 – Naujene, 3 – Ilgas, 4 – Višķi, 5 – Šķeltova, 6 – Rubeņi, 7 – Tadenava, 8 – Kalsnava, 9 – Fal̄topi.

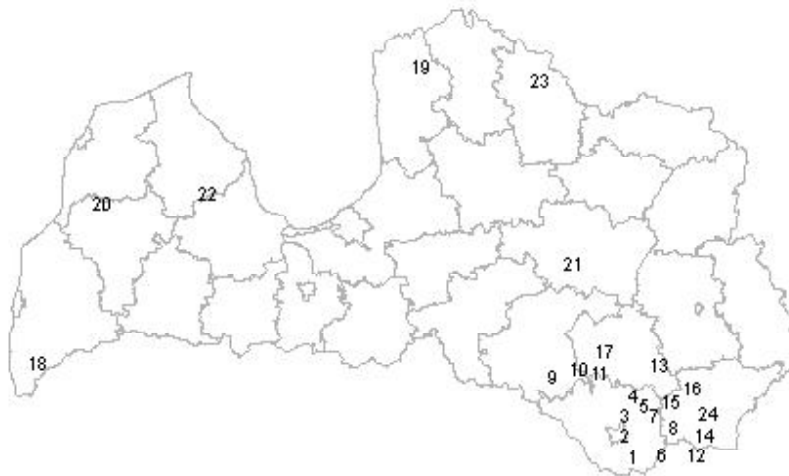


Fig. 18. Localities of *Cryptocephalus (Cryptocephalus) sericeus* (Linnaeus, 1758).
1 – Daugavpils, 2 – Mw̄zciems, 3 – Ļubaste, 4 – Maļinova, 5 – Naujene, 6 – Ilgas, 7 – Elerne, 8 – Saliene, 9 – Gārsene, 10 – Rubeņi, 11 – Dunava, 12 – Kaplava, 13 – Pelēči, 14 – Vilmaņi, 15 – Izvalta, 16 – Šķeltova, 17 – Jersika, 18 – Pape, 19 – Kuiķule, 20 – Alsunga, 21 – Kalsnava, 22 – Sabile, 23 – Strenči, 24 – Priedaine.

L.Bogdāne), VI-VII.2000. (1, leg. I.Haka, G.Hļebnaja), 13.VI.2001. (1, leg. G.Lociks), 14-20.VI.2002. (1, leg. A.Barševskis), 06-15.VI.2004. (2, leg. A.Barševskis), 28-30.VI.2004. (1, leg. A.Barševskis), 02-10.VII.2004. (2, leg. A.Barševskis), 30.VI.2005. (3, leg. A.Barševskis), 04.VII.2005. (1, leg. A.Barševskis), 01-05.VII.2006. (1, leg. A.Barševskis); Daugavpils d., Salienu rural municipality, Fal̄topi, 08.VI.2001. (1, leg. R.Cibuļskis); Daugavpils d., Višķi, 07.VI.1990. (1, leg.

A.Barševskis); Krāslava d., Šķeltova, 13.VI.1987. (6, leg. A.Barševskis), 20.VII.1993. (1, leg. A.Barševskis); Jēkabpils d., Rubene rural municipality, Rubeņi, 10.V.2000. (1, leg. I.Leiskina), 04.VII.2001. (1, leg. I.Leiskina), 05.VII.2001. (1, leg. I.Leiskina); Jēkabpils d., Tadenava, 22.VI.2002. (1, leg. A.Barševskis); Madona d., Kalsnava, 03.VII.2006. (1, leg. A.Pankjāns, E.Rudans & A.Barševskis).

Cryptocephalus (Cryptocephalus) sericeus (Linnaeus, 1758)

Examined material: 65 exs. - Localities (fig. 18): Daugavpils, 30.VI.2001. (1, leg. R.Cibuļskis); Daugavpils, Mežciems, 17.VI.1991. (1, xeric habitat, leg. A.Barševskis); Daugavpils d., Līksna rural municipality, Rīga-Krāslava beltway, near Ļubaste, 24.VI.1991. (1, leg. A.Barševskis), 01.VII.1991. (1, leg. A.Barševskis),

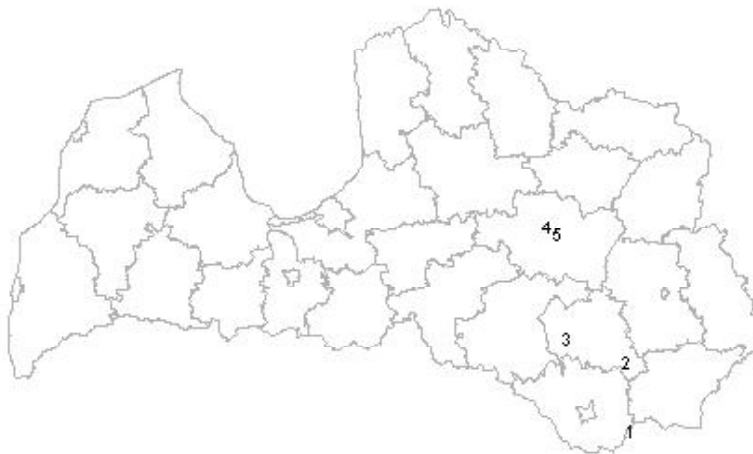


Fig. 19. Localities of *Cryptocephalus (Cryptocephalus) hypochoeridis* (Linnaeus, 1758). 1 – Ilgas, 2 – Višķi, 3 – Dunava, 4 – Sauleskalns, 5 – Krustkalni Nat. Reserve.

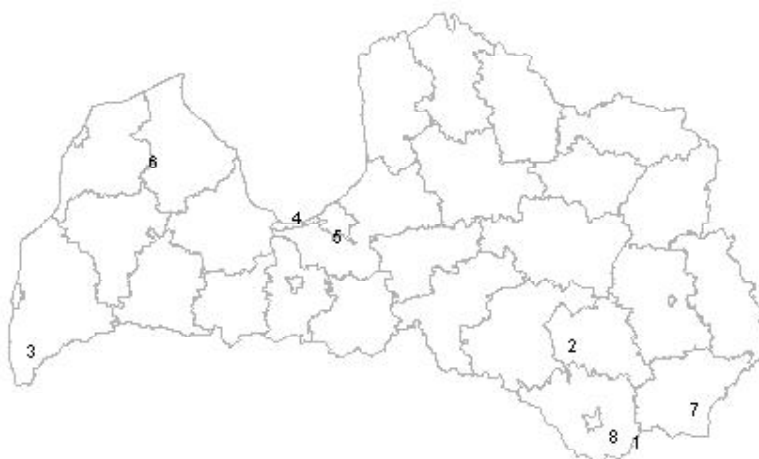


Fig. 20. Localities of *Cryptocephalus (Cryptocephalus) nitidus* (Linnaeus, 1758). 1 – Ilgas, 2 – Dunava, 3 – Pape, 4 – Kūdra, 5 – Plakanciems, 6 – Moricsala Isl., 7 – Indrica, 8 – Demene.



Fig. 21. Localities of *Cryptocephalus (Cryptocephalus) nitidulus* Fabricius, 1787.
1 - near lake Ušurs.

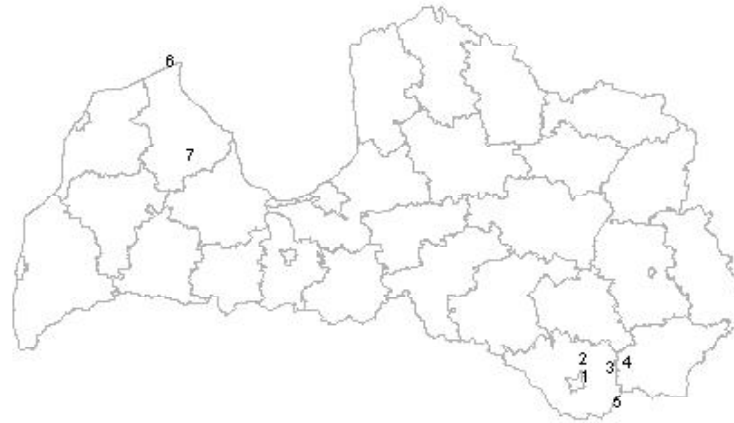


Fig. 22. Localities of *Cryptocephalus (Cryptocephalus) coeruleus* Sahlberg, 1839.
1 – Mežciems, 2 – Ļubaste, 3 – Elerne, 4 – Slutišķi, 5 – Ilgas, 6 – Mazirbe, 7 – Stende.

02.VII.1991. (1, leg. A.Barševskis); Daugavpils d., Maļinova, 30.VI.2001. (1, leg. R.Cibuļskis); Daugavpils d., Naujene, 14.VI.1989. (1, valley of river Daugava, leg. A.Barševskis); Daugavpils d., Silene Nature Park, Ilgas, 17.VI.1987. (2, leg. A.Barševskis), 06.VI.1989. (1, leg. A.Barševskis), 01.VII.1989. (1, leg. A.Barševskis), 14.VI.1994. (1, leg. A.Barševskis), 18.VI.1994. (1, leg. A.Barševskis), 03.VII.1996. (1, leg. A.Barševskis), 04.VII.1996. (1, leg. A.Barševskis), 06.VII.1997. (2, leg. A.Barševskis), 25-30.VI.1998. (1, leg. A.Barševskis), 29.IV.-10.VII.2000. (1, leg. L.Bogdāne), VI-VII.2000. (3, leg. I.Haka & G.Hļebnaja), 06.VI.2001. (1, leg. G.Lociks), 14.VI.2001. (1, leg. G.Lociks), 16.VI.2001. (1, leg. I.Valpētere), 09.VII.2001. (1, leg. G.Lociks), 14-20.VI.2002. (2, leg.

A.Barševskis), 30.VI.2005. (2, leg. A.Barševskis), 25-27.VI.2007. (1, leg. A.Čukļiņa, J. Daņilova), 25-27.VI.2007. (1, leg. J.Staskevica), 26.VI.2007. (2, leg. A.Barševskis), 27.VI.-03.VII.2007. (1, leg. J.Daņilova, A.Čukļiņa); Daugavpils d., Elerne, 07.VI.2002. (1, leg. A.Barševskis); Daugavpils d., Saliēna, 09.VII.1999. (1, leg. R.Cibuļskis); Jēkabpils d., Gārsēne, 11.VIII.2000. (1, leg. I.Leiskina); Jēkabpils d., Dunava, 23.IV.2000. (1, leg. A.Barševskis), 02-05.VI.2007. (1, leg. K.Barševska), 23-30.VI.2007. (1, leg. K.Barševska); Jēkabpils d., Rubēne rural municipality, Rubēni, 10.V.2000. (1, leg. I.Leiskina); Krāslava d., Kaplava, 10.VII.1991. (2, leg. A.Barševskis); Krāslava d., Priedaine, 09.VII.1991. (1, leg.



Fig. 23. Localities of *Cryptocephalus (Cryptocephalus) decemmaculatus* (Linnaeus, 1758).
1 – Ilgas, 2 – Vabole, 3 – Šķeltova, 4 – Punduri.

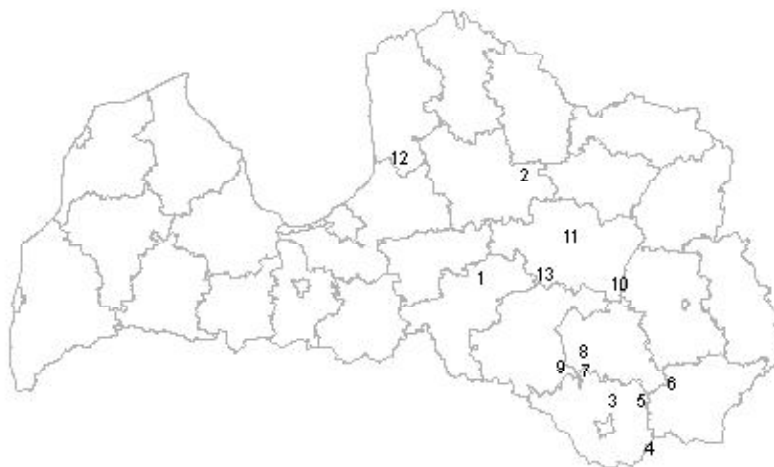


Fig. 24. Localities of *Cryptocephalus (Cryptocephalus) moraei* (Linnaeus, 1758).
1 – Aizkraukle, 2 – Brežģa hill, 3 – Lubaste, 4 – Ilgas, 5 – Naujēne, 6 – Šķeltova, 7 – Jersika, 8 – Dunava, 9 – Rubēni, 10 – Teiči Nat. Res., 11 – Sauleskalns, 12 – Saulkrasti, 13 – Gostinī.



Fig. 25. Localities of *Cryptocephalus (Cryptocephalus) flavipes* Fabricius, 1781.
1 – Ļubaste, 2 – Ilgas, 3 – Priedaine, 4 – Teiči Nat. Reserve, 5 – Skrundaliena.



Fig. 26. Localities of *Cryptocephalus (Disopus) pini* (Linnaeus, 1758).
1 – Izvalta, 2 – Lejasciems.

A.Barševskis); Krāslava d., Vilmaņi, 14.VI.1989. (2, leg. A.Barševskis); Krāslava d., Pelēči, 09.VI.1997. (2, leg. I.Jurkjāne); Krāslava d., Izvalta, 25.VI.2002. (1, leg. A.Barševskis); Krāslava d., Šķeltova, 13.VI.1987. (1, leg. A.Barševskis), 14.VI.1987. (1, leg. A.Barševskis), 27.VII.1989. (1, leg. A.Barševskis), 27.VII.1996. (1, leg. A.Barševskis); Preiļi d., Jersika, „Kurpnieki”, 09-10.VI.2007. (1, leg. A.Barševskis, K.Barševska); Liepāja d., Pape, 23-25.VI.1994. (1, dunes, leg. N.Savenkovs); Limbaži d., Kuikule, near „Lībiešu upurāla”, 27.VII.2007. (1, leg. A.Barševskis); Kuldīga d., Augšužavas Nat. Prot. Area, Alsunga, 28.VIII.2005. (1, leg.

A.Barševskis, A.Bukejs, U.Valainis); Madona d., Kalsnava, 03.VII.2006. (1, leg. A.Barševskis, U.Valainis, A.Pankjāns); Talsi d., Sabile, 15.VII.2005. (1, leg. A.Barševskis); Valka d., Strenči, 03.VII.2006. (4, leg. A.Barševskis, U.Valainis, A.Pankjāns).

Cryptocephalus (Cryptocephalus) hypochoeridis (Linnaeus, 1758)

Examined material: 14 exs. - Localities (fig. 19): Daugavpils d., Silene Nature Park, Ilgas, 29.VI.1988. (2, leg. A.Barševskis), 06.VI.1989. (1, leg. A.Barševskis), 25-29.VI.2007. (1, leg. V.Krone); Daugavpils

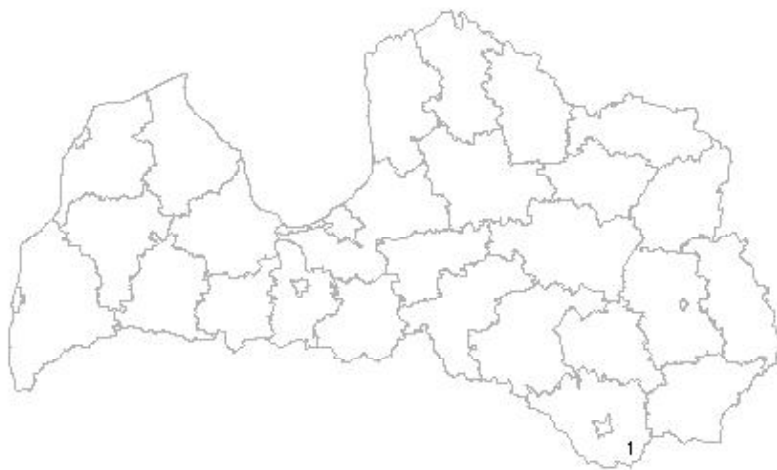


Fig. 27. Localities of *Cryptocephalus (Burlinius) punctiger* Paykull, 1799.
1 – Ilgas.



Fig. 28. Localities of *Cryptocephalus (Burlinius) pallifrons* Gyllenhal, 1813.
1 – Aizkraukle, 2 – Ilgas, 3 – Vabole.



Fig. 29. Localities of *Cryptocephalus (Burlinius) bilineatus* (Linnaeus, 1767).
1 – Mežciems, 2 – Ļubaste, 3 – Naujene, 4 – Slutišķi, 5 – Elerne, 6 – Tabore, 7 – Šķeltova, 8 – Atašiene.



Fig. 30. Localities of *Cryptocephalus (Burlinius) frontalis* Marsham, 1802.
1 - Moricsala Isl.

d., Višķi, 1987. (1, leg. A.Barševskis); Jēkabpils d., Dunava, 12.VII.1997. (1, leg. A.Barševskis), 09.VII.2000. (1, leg. I.Leiskina), 01-08.VIII.2006. (1, leg. A.Barševskis, K.Barševska); Madona d., Saules kalns (hill), 07.VII.2006. (1, leg. A.Pankjāns, A.Barševskis, E.Rudāns); Madona d., Krustkalni Nature Reserve, 07.VII.2006. (3, leg. A.Pankjāns, A.Barševskis, E.Rudāns).

***Cryptocephalus (Cryptocephalus) nitidus* (Linnaeus, 1758)**

Examined material: 22 exs. - Localities (fig. 20): Daugavpils d., Silene Nature Park, Ilgas, 1992. (1, leg. A.Barševskis), 05.VI.1993. (1, leg. A.Barševskis), 18.VI.1993. (1, leg. A.Barševskis), 17.VI.1996. (1, leg. A.Barševskis), 18.VI.1996. (4, leg. A.Barševskis), 14.VI.1997. (1, leg.

A.Barševsksi), 13.VI.2001. (1, leg. G.Lociks); Jēkabpils d., Dunava, 22-23.VI.1998. (1, leg. A.Barševskis), 01.VII.1999. (1, leg. A.Barševskis); Krāslava d., Indrica, 23.VII.1991. (1, leg. A.Barševskis); Daugavpils d., Demene, 01.VI.2000. (2, leg. R.Cibuļskis); Liepāja d., Pape, 21.VI.1996. (1, leg. N.Savenkovs); Rīga d., Sala rural municipality, Kūdra, 20.VI.2006. (1, leg. A.Titovs), 24.VI.2006.

(1, leg. A.Titovs); Rīga d., Plakanciems, 23.VI.1993. (2, leg. N.Savenkovs); Ventspils d., Moricsala Nature Reserve, Moricsala Isl., 29.VI.2002. (1, leg. U.Valainis), 26.VI.2004. (1, leg. A.Barševskis).

***Cryptocephalus (Cryptocephalus) nitidulus* Fabricius, 1787**



Fig. 31. Localities of *Cryptocephalus (Burlinius) ocellatus* Drapiez, 1819.

1 – Ilgas, 2 – Priedaine, 3 – Robežnieki, 4 – Indrica, 5 – Jersika, 6 – Dunava, 7 – Ņeģa riv., 8 – Kauguri, 9 – Oviši, 10 – Babīte, 11 – Kauguri.



Fig. 32. Localities of *Cryptocephalus (Burlinius) labiatus* (Linnaeus, 1761).

1 – Daugavpils, 2 – Ilgas, 3 – Šķeltova, 4 – Ušurs, 5 – Stende, 6 – Vabole, 7 – Maļinova.



Fig. 33. Localities of *Cryptocephalus (Burlinius) exiguus* Schneider, 1792.
1 – Ilgas.

Examined material: 1 ex. - Localities (fig. 21): Gulbene d., near lake Ušurs, 08.VI.2005. (1, along marsh, leg. A.Barševskis).

***Cryptocephalus (Cryptocephalus) coerulescens* Sahlberg, 1839**

Examined material: 30 exs. - Localities (fig. 24): Daugavpils, Mežciems, 17.VI.1991. (4, xeric habitat, leg. A.Barševskis); Daugavpils d., Līksna rural municipality, Rīga-Krāslava beltway, near Ļubaste, 01.VII.1991. (1, leg. A.Barševskis), 15.VI.2006. (1, leg. A.Barševskis); Daugavpils d., Elerne, 16.VI.2002. (1, leg. A.Barševskis); Daugavpils d., Slutiški, 14.VI.1989. (1, leg. A.Ba); Daugavpils d., Silene Nature Park, Ilgas, 1990. (1, leg. A.Barševskis), 06.VII.1997. (1, leg. A.Barševskis); Talsi d., Mazirbe, 21.VI.2004. (2, leg. A.Barševskis), 10.VII.2004. (17, dunes, leg. A.Barševskis); Talsi d., Stende, 57°07'19"N 022°32'26"E, 19.VII.2007. (2, cutting area in pine forest, leg. A.Barševskis, U.Valainis, A.Pankjāns, A.Soldāns).

***Cryptocephalus (Cryptocephalus) decemmaculatus* (Linnaeus, 1758)**

Examined material: 27 exs. - Localities (fig. 23): Daugavpils, Križi, 28.VI.1992. (1, leg. A.Barševskis); Daugavpils d., Silene Nature Park, Ilgas, 1991. (1, leg. A.Barševskis), 03.VII.1995. (3, leg. A.Barševskis), 30.VI.1996. (1, leg. A.Barševskis), 03.VII.1996. (2, leg. A.Barševskis); Daugavpils d., Vabole, 19.VI.1999. (10, leg. R.Cibuļskis), 04.VII.1999. (1, leg. R.Cibuļskis); Krāslava d., Šķeltova, 31.VII.1995. (3, leg. A.Barševskis), 23.VII.1996. (3, leg. A.Barševskis); Krāslava d., Punduri, 27.VII.1990. (1, leg. A.Barševskis);

***Cryptocephalus (Cryptocephalus) moraei* (Linnaeus, 1758)**

Examined material: 36 exs. - Localities (fig. 24): Aizkraukle d., Aizkraukle, 09.VI.1991. (1, leg. N.Savenkovs); Aizkraukle d., Pļaviņas, "Gostiņi", 06.VIII.2007. (1, leg.

A.Barševskis); Cesis d., Taurenas rural municipality, Brežģa kalns (hill), 03.VII.2003. (2, leg. A.Barševskis, U.Valainis, A. Pankjāns); Daugavpils d., Līksna rural municipality, Rīga-Krāslava beltway, near Ļubaste, 02.VII.1991. (2, leg. A.Barševskis), 08.VII.1991. (1, leg. A.Barševskis); Daugavpils d., Silene Nature Park, Ilgas, 06.VII.1991. (1, leg. A.Barševskis), 19.VI.1994. (1, leg. A.Barševskis), 20.VI.1996. (1, leg. A.Barševskis), 30.VI.2007. (1, leg. A.Pankjāns); Daugavpils d., Naujene, 13.VI.1989. (1, leg. A.Barševskis); 01.VII.1999. (1, leg. A.Barševskis), 18.VII.1999. (1, leg. R.Cibuļskis), 29.IV.-10.VII.2000. (1, leg. A.Rutka), 14-20.VI.2002. (1, leg. A.Barševskis), VI.2003. (1, leg. U.Valainis & A.Barševskis), 02-10.VII.2004. (1, leg. A.Barševskis), 27-28.VI.2005. (1, leg. A.Barševskis), 25-27.VI.2007. (1, leg. J.Staskevica); Krāslava d., Šķeltova, 22.VII.1986. (1, leg. A.Barševskis), 21.VII.1986. (1, leg. A.Barševskis), 22.VIII.1992. (1, leg. A.Barševskis),

26.VII.1995. (4, leg. A.Barševskis); Preiļi d., Jersika, „Kurpnieki”, 23-24.VI.2006. (2, leg. A.Barševskis, K.Barševska); Jēkabpils d., Dunava, 01.VI.2002. (1, leg. A.Barševskis), VI.2002. (1, leg. A.Barševskis); Jēkabpils d., Rubene rural municipality, Rubeņi, 02.VII.1999. (1, leg. I.Leiskina); Jēkabpils d., Teiči Nature Reserve, Atašiene, 30.VI.1991. (2, leg. N.Savenkovs); Madona d., Saules kalns (hill), 07.VII.2006. (1, leg. A.Barševskis, A.Pankjāns, E.Rudāns); Rīga d., Saulkrasti, 12.VIII.1997. (1, beach, leg. A.Barševskis); Valmiera d., Burtnieki rural municipality, Briede vill., 57°39'85"N 25°13'54"E, 21.VIII.2006. (1, leg. A.Barševskis).

Cryptocephalus (Cryptocephalus) flavipes Fabricius, 1781

Examined material: 8 exs. - Localities (fig. 25): Daugavpils d., Līksna rural municipality, Rīga-Krāslava beltway, near Ļubaste, 15.VI.2006. (1, leg. A.Barševskis);

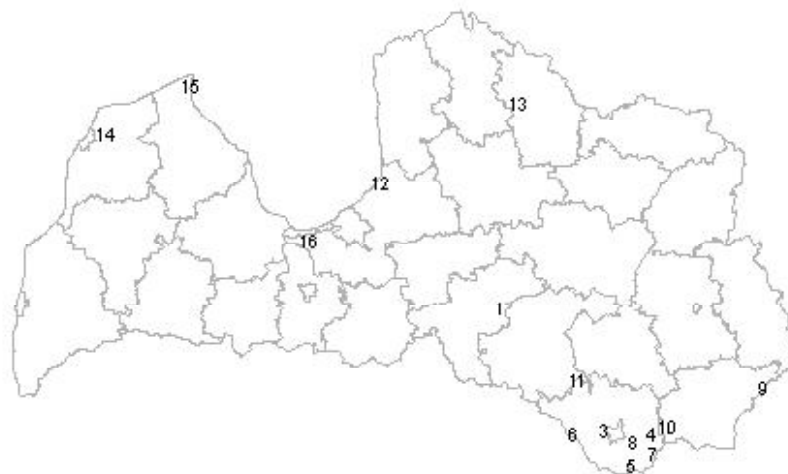


Fig. 34. Localities of *Cryptocephalus (Burlinius) fulvus* Goeze, 1777.
 1 – Rīteri, 2 – Mežciems, 3 – Ļubaste, 4 – Slutišķi, 5 – Ilgas, 6 – Šedere, 7 – Saliēna, 8 – Elerne, 9 – Šķaune, 10 – Izvalta, 11 – Dunava, 12 – Saulkrasti, 13 – Seda, 14 – Muižnieki, 15 – Kolka, 16 – Kauguri.

Daugavpils d., Silene Nature Park, Ilgas, 1985. (1, leg. A.Barševskis), 13.VI.1991. (2, leg. A.Barševskis), 02.VII.1997. (1, leg. A.Barševskis); Daugavpils d., Skrundaliena, 11.VII.2001. (1, leg. R.Cibuļskis); Krāslava d., Priedaine, 09.VII.1991. (1, leg. A.Barševskis); Jēkabpils d., Teiči Nature Reserve, Atašiene, 21.VI.1991. (1, leg. A.Barševskis).

***Cryptocephalus (Disopus) pini* (Linnaeus, 1758)**

Examined material: 2 exs. - Localities (fig. 26): Kraslava d., Izvalta, 19.VIII.1987. (1, leg. A.Barševskis); Gulbene d., Lejasciems, VII.2005. (1, leg. A.Barševskis, A.Bukejs, R.Cibuļskis).

***Cryptocephalus (Burlinius) punctiger* Paykull, 1799**

Examined material: 1 ex. - Localities (fig. 27): Daugavpils d., Silene Nature Park, Ilgas, 18.VI.1996. (1, leg. A.Barševskis).

***Cryptocephalus (Burlinius) pallifrons* Gyllenhal, 1813**

Examined material: 4 exs. - Localities (fig. 28): Aizkraukle d., Aizkraukle, 21.VI.1995. (1, cutting area in broad-leaved forest, leg. A.Barševskis); Daugavpils d., Silene Nature Park, Ilgas, 30.VI.1989. (1, leg. A.Barševskis); Daugavpils d., Vabole, 19.VI.1999. (1, leg. R.Cibuļskis), 26.VI.1999. (1, leg. A.Barševskis).

***Cryptocephalus (Burlinius) bilineatus* (Linnaeus, 1767)**

Examined material: 17 exs. - Localities (fig. 29): Daugavpils, Mežciems, Jaunciema Str.

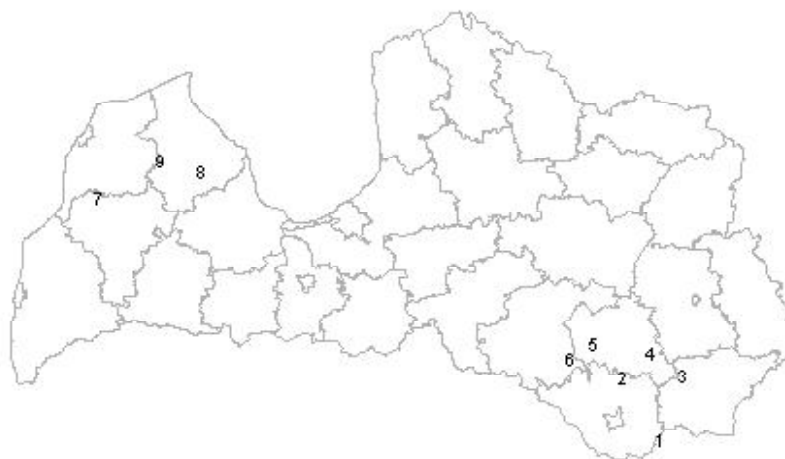


Fig. 35. Localities of *Cryptocephalus (Burlinius) pusillus* Fabricius, 1777.
1 – Ilgas, 2 – Vabole, 3 – Šķeltova, 4 – Pelēči, 5 – Dunava, 6 – Rubeņi, 7 – Augšdaugava Nat. Prot. Area, 8 – Stende, 9 – Moricsala Isl., 10 – Peipiņi.

2, 19.VII.2007. (1, leg. K.Aksjuta, M.Murd); Daugavpils d., Līksna rural municipality, Rīga-Krāslava beltway, near Ļubaste, 01.VII.1991. (1, leg. A.Barševskis); Daugavpils d., Naujene, 13.VI.1989. (1, leg. A.Barševskis), 18.VII.1999. (2, leg. R.Cibuļskis); Daugavpils d., Slutiški, 14.VI.1989. (1, leg. A.Barševskis), 01.VII.1995. (2, valley of river Daugava, leg. A.Barševskis); Daugavpils d., Elerne, 26.VI.2005. (3, leg. A.Barševskis, K.Barševska); Daugavpils d., Tabore, 02.VII.2007. (1, bank of river Daugava, leg. A.Pankjāns); Krāslava d., Šķeltova, 13.VI.1987. (1, leg. A.Barševskis), 01.VII.1987. (1, leg. A.Barševskis), 18.VIII.1987. (1, leg. A.Barševskis); Jēkabpils d., Teiči Nature Reserve, Atašiene, 30.VI.1991. (1, leg. N.Savenkovs).

***Cryptocephalus (Burlinius) frontalis*
Marsham, 1802**

Examined material (DUBC): 1 ex. - Localities (fig. 30): Ventspils d., Moricsala Nature Reserve, Moricsala Isl., VIII.2003. (1, leg. U.Valainis).

***Cryptocephalus (Burlinius) ocellatus*
Drapiez, 1819**

Examined material: 41 exs. - Localities (fig. 31): Daugavpils d., Silene Nature Park, Ilgas, VI.2003. (2, leg. A.Barševskis); Krāslava d., Priedaine, 01.VII.1990. (1, leg. A.Barševskis); Krāslava d., Robežnieki, 28.VII.1990. (1, leg. A.Barševskis); Krāslava d., Indrica, 17.VI.1989. (1, leg. A.Barševskis); Preiļi d., Jersika, "Kurpnieki", 05.VI.2007. (2, leg. A.Barševskis); Jēkabpils d., Dunava, 18.VII.1995. (2, leg. A.Barševskis), 13.VIII.1996. (2, leg.

A.Barševskis), 16.VIII.1996. (1, leg. A.Barševskis), 12.VII.1997. (1, leg. A.Barševskis), 16.VIII.1997. (1, leg. A.Barševskis), VI.2002. (7, leg. A.Barševskis), 01.VIII.2005. (1, leg. A.Barševskis); Ogre d., Birzgaļe rural municipality, river Ņega connect. with river Daugava, 29.VI.2006. (1, leg. A.Pankjāns); Rīga d., Babīte, 04.VIII.1998. (1, LU Rodendru dārzs (garden), leg. A.Barševskis); Jūrmala, Kauguri, 30.VI.1998. (12, dunes, on *Salix sp.*, leg. A.Barševskis); Talsis d., Mazirbe, 05.VIII.2002. (1, leg. A.Barševskis); Valmiera d., Kauguri rural municipality, 03.VII.2006. (1, forests near river Gauja, leg. A.Barševskis, U.Valainis, A.Pankjāns); Ventspils d., Oviši, 17.VII.2005. (1, leg. A.Barševskis).

***Cryptocephalus (Burlinius) labiatus*
(Linnaeus, 1761)**

Examined material: 23 exs. - Localities (fig. 32): Daugavpils, 09.VII.1991. (1, xeric habitat, leg. A.Barševskis); Daugavpils d., Līksna rural municipality, Rīga-Krāslava beltway, near Ļubaste, 02.VII.1991. (1, leg. A.Barševskis); Daugavpils d., Vabole, 13.VII.1997. (1, leg. R.Cibuļskis), 19.VI.1999. (4, leg. R.Cibuļskis), 10.VII.1999. (1, leg. R.Cibuļskis); Daugavpils d., Maļinova, 30.VI.2001. (1, leg. R.Cibuļskis); Daugavpils d., Silene Nature Park, Ilgas, 01.VII.1989. (1, leg. A.Barševskis), 04.VI.1991. (1, leg. A.Barševskis), 02.VII.1994. (1, leg. A.Barševskis), 18.VI.1995. (1, leg. A.Barševskis); 03.VII.1995. (1, leg. A.Barševskis), 26.VI.1996. (1, leg. A.Barševskis), 27.VI.1996. (1, leg. A.Barševskis), 30.VI.1996. (1, leg. A.Barševskis); Krāslava d., Šķeltova, 23.VII.1996. (1, leg. A.Barševskis); Preiļi d.,

Jersika, „Kurpnieki”, 17.VI.2006. (1, leg. A.Barševskis); Gulbene d., bank of lake Ušurs, 10.VII.2005. (2, leg. A.Barševskis); Talsi d., Stende, 57°07'19"N 022°32'26"E, 19.VII.2007. (2, cutting area in pine forest, leg. A.Barševskis, U.Valainis, A.Pankjāns, A.Soldāns).

***Cryptocephalus (Burlinius) exiguus* Schneider, 1792**

Examined material: 9 exs. - Localities (fig. 33): Daugavpils d., Silene Nature Park, Ilgas, 04.VII.1995. (1, leg. A.Barševskis), 04.VII.1995. (1, leg. A.Barševskis), 05.VII.1995. (3, leg. A.Barševskis), 16.VI.1996. (2, leg. A.Barševskis), 02.VII.1996. (2, leg. A.Barševskis).

***Cryptocephalus (Burlinius) fulvus* Goeze, 1777**

Examined material: 122 exs. - Localities (fig. 34): Aizkraukle d., Rīteri, 29.VI.2006. (1, leg. A.Barševskis); Daugavpils, Mežciems, 19.VII.1990. (1, leg. A.Barševskis), 01.VII.1995. (1, xeric habitat, leg. A.Barševskis), 19.VII.2007. (13, Jaunciema Str. 2, leg. K.Aksjuta, M.Murd); Daugavpils d., Līksna rural municipality, near Ļubaste, 55°57'20"N 026°29'38"E, 25.VII.2005. (2, leg. A.Barševskis); Daugavpils d., Slutiški, 01.VII.1995. (1, valley of river Daugava, leg. A.Barševskis), 07.VII.1995. (2, old valley of river Daugava, leg. A.Barševskis); Daugavpils d., Silene Nature Park, Ilgas, 29.VI.1995. (1, leg. A.Barševskis), 05.VII.1995. (1, leg. A.Barševskis), 27.VI.1996. (1, leg. A.Barševskis), 25-30.VI.1998. (1, leg. A.Barševskis), VI-VII.2000. (1, leg. I.Haka & G.Hļebnaja), 07.VII.2001. (2, leg. G.Lociks), V.2002. (1, leg. U.Valainis & A.Barševskis), 02-

10.VII.2004. (4, leg. A.Barševskis), 25-26.VI.2007. (6, leg. R.Cibuļskis); Daugavpils d., Šēdere, 29.VII.2007. (2, leg. M.Murd); Daugavpils d., Saliena, 09.VII.1999. (1, leg. R.Cibuļskis); Daugavpils d., Elerne, 26.VI.2005. (2, leg. A.Barševskis, K.Barševska); Krāslava d., Šķaune, 26.VI.1990. (1, leg. A.Barševskis); Krāslava d., Izvalta, 25.VI.2002. (3, leg. A.Barševskis), 05.VII.2006. (8, leg. A.Barševskis); Jēkabpils d., Dunava, 18.VII.1995. (2, leg. A.Barševskis), 05.VIII.1996. (17, leg. A.Barševskis), 13.VIII.1996. (13, leg. A.Barševskis), 12.VII.1997. (4, leg. A.Barševskis), 03.VIII.1997. (4, leg. A.Barševskis), 01.VIII.2005. (2, leg. A.Barševskis), 15.VII.2006. (1, leg. A.Barševskis); Rīga d., Saulkrasti, 12.VIII.1997. (2, beach, leg. A.Barševskis); Jūrmala, Kauguri, 03.VIII.1998. (1, dunes, leg. A.Barševskis); Talsi d., Mazirbe, 05.VI.2002. (1, leg. A.Barševskis); Valka d., Seda, Sedas bog, 03.VII.2006. (1, leg. A.Barševskis, U.Valainis, A.Pankjāns); Ventspils d., Muižnieki, 57°28'20"N 021°43'19"E, 29.VII.2005. (9, leg. A.Barševskis, A.Bukejs, U.Valainis); Ventspils d., Kolka, 04.VIII.2004. (2, leg. A.Barševskis).

***Cryptocephalus (Burlinius) pusillus* Fabricius, 1777**

Examined material: 34 exs. - Localities (fig. 35): Daugavpils d., Silene Nature Park, Ilgas, 02.VI.1993. (1, leg. A.Barševskis), 05.VII.1993. (1, leg. A.Barševskis), 09.VII.1993. (1, leg. A.Barševskis), 02.IX.1993. (1, leg. A.Barševskis), 18.VI.1995. (1, leg. A.Barševskis), 03.VII.1995. (1, leg. A.Barševskis), 05.VII.1995. (1, leg. A.Barševskis), 11.IX.1997. (2, leg. A.Barševskis); Daugavpils d., Vabole, 04.VII.1999. (7, leg.

R.Cibuļskis), 10.VII.1999. (1, leg. R.Cibuļskis); Krāslava d., Peipiņi, 21.VIII.1989. (1, leg. A.Barševskis); Krāslava d., Škeltova, 02.VII.1987. (1, leg. A.Barševskis); Preiļi d., Pelēči, 18.VIII.1997. (1, leg. I.Jurkjāne), 24.VIII.1997. (1, leg. I.Jurkjāne); Jēkabpils d., Dunava, 25.VII.1993. (1, leg. A.Barševskis), 16.VIII.1997. (1, leg. A.Barševskis); Jēkabpils d., Rubene rural municipality, Rubeni, 01.VI.1997. (1, leg. I.Leiskina); Kuldīga d., Augšdaugavas Nat. Prot. Area, Alsunga, 28.VIII.2005. (1, leg. A.Barševskis, A.Bukejs, U. Valainis); Talsi d., Stende, 57°07'19"N 022°32'26"E, 19.VII.2007. (3, cutting area in pine forest, leg. A.Barševskis, U. Valainis, A.Pankjāns, A.Soldāns); Valmiera d., Briede, 57°39'85"N 25°13'54"E, 21.VIII.2006. (1, leg. A.Pankjāns); Ventspils d., Moricsala Nature Reserve, Moricsala Isl., VII.2003. (1, leg. U.Valainis), VIII.2003. (1, leg. U.Valainis), IX.2003. (1, leg. U.Valainis), 03.IX.2004. (1, leg. A.Barševskis), 14.IX.2005. (1, leg. A.Barševskis).

CONCLUSION

The following species can be mentioned as the most frequent: *C. (C.) octopunctatus* (Scopoli, 1763) (52 specimens), *C. (C.) aureolus* Suffrian, 1847 (66 specimens), *C. (C.) sericeus* (Linnaeus, 1758) (65 specimens), *C. (C.) moraei* (Linnaeus, 1758) (36 specimens), *C. (Burlinius) ocellatus* Drapiez, 1819 (41 specimens) and *C. (Burlinius) fulvus* Goeze, 1777 (122 specimens).

C. (C.) cordiger (Linnaeus, 1758) (1 specimen), *C. (C.) sexpunctatus* (Linnaeus, 1758) (6 specimens), *C. (C.) distinguendus* Schneider, 1792 (3 specimens), *C. (C.) bipunctatus* (Linnaeus, 1758) (1 specimen),

C. (C.) nitidulus Fabricius, 1787 (1 specimen), *C. (C.) flavipes* Fabricius, 1781 (8 specimens), *C. (Disopus) pini* (Linnaeus, 1758) (2 specimens), *C. (Burlinius) punctiger* Paykull, 1799 (1 specimen), *C. (Burlinius) pallifrons* Gyllenhal, 1813 (4 specimens) and *C. (Burlinius) frontalis* Marsham, 1802 (1 specimen) could be indicated as rarer species.

Nine species were not registered in our research: *C. (C.) parvulus* Müller, 1776, *C. (C.) signatifrons* Suffrian, 1847, *C. (C.) vittatus* Fabricius, 1775, *C. (Burlinius) elegantulus* Gravenhorst, 1807, *C. (Burlinius) chrysopus* (Gmelin, 1788), *C. (Burlinius) pygmaeus* Fabricius, 1792, *C. (Burlinius) querceti* Suffrian, 1848, *C. (Burlinius) populi* Suffrian, 1848 and *C. (Burlinius) rufipes* (Goeze, 1777).

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