

Sixty three new and rare species of *Coleoptera* in the fauna of Latvia

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Abstract

15 new for the fauna of Latvia and 48 rare species of beetles have been collected from 1987 to 1995, mainly in the central part of Latvia.

Key words: *Coleoptera*, fauna, Latvia, rare species.

Introduction

The article contains information on 63 beetle species collected mainly in the central part of Latvia in 1987-1995 mainly by the author. Of them 15 species are new for Latvia (marked with an asterisk in text). New data on distribution of 48 rare species are added. The material is deposited in the author's collection in Riga.

Explanations to the list of species.

The number of specimens caught is given in brackets after the date of collecting. The collector's name is given if the other person than author has collected beetles.

The abbreviations of districts of Latvia used in the text are as follow: Ces.-Cesis district, Jelg.-Jelgava district, Mad.-Madona district, Rez.-Rezekne district, R.-Riga district, Tals.-Talsi district, Tuk.-Tukums district, Valm.-Valmiera district.

List of species

Familia Carabidae

1. *Nebria brevicollis* (Fabricius, 1792)

R.: Cekule, 4.5.1991 (1) bank of Maza Jugla river; 15.6.1994 (2); 1.9.1994 (2) vegetable garden, females were laying eggs into the very humid soil; 10.8.1995 (2); Kemeris, 21.7.1994 (1) moist alder thicket at the bank Versupite river; Carnikava, 29.4.1995 (1); Riga, Plavnieki, 25.6.1995 (1); Riga, Rumbula, 18.8.1995 (1) bank of Daugava river; Tuk.: between Berzciems and Abragciems, 26.8.1991 (2) beach close to water; Ziedoni, 9.9.1995 (9) bank of Valguma lake; Abragciems, 9.9.1995 (many specimens) beach; Tals.: Pitragis, 18.9.1994 (1) moist alder forest at the bank of Pitragupe river; Kolka, 4.7.1995 (2) near "Zenu dikis" pond; Vizenti, 16.9.1995 (2) field, under the stones.

This species was mentioned for the first time for Latvia by Gimmerthal (1829), but this record could not be confirmed because of the lack of collected specimens (Smits, 1973). Due to this the species was not included in the catalogue (Spuris, 1983). It was found also by Barsevskis (1993) recently.

2. *Stenolophus teutonius* (Schrank, 1781)

R.: Riga, Saules darzs, 17.6.1991 (1) bank of Kisezers lake; Riga, Purvciems, 31.5.1992 (12) corner of the Dzelzavas Str. and A.Rozes Str., close to puddle; Jelg.: Ozolnieki, 29.8.1991 (1) valley of Iecava river; R: Kalngale, 3.5.1995 (1) beach.

This species was recorded for Latvia by Precht (1818), but Spuris (1983) excluded it from the catalogue of *Carabidae* of Latvia because of absence of new records during more than 100 years. It was found by Barsevskis (1993) recently.

3. *Chlaenius quadrisulcatus* (Paykull, 1790)

Tuk.: Abragciems, 26.8.1991 (1) beach in the reed.

4. *Dromius linearis* (Olivier, 1795)

R.: Sigulda, 5.11.1992 (1, R. Matrozis) mixed forest under the pine bark; Tals.: Kolka, 06-28.7.1993 (2) dunes; Vaide, 5.7.1995 (many specimens) sandy dunes.

Familia Silphidae

* 5. *Nicrophorus sepultor* Charpentier, 1825

R.: Sigulda, 10.7.1992 (1) on dead mole; 21.8.1992 (1, F. Kovalevsky); Tals.: Kolka, 10-19.7.1993 (1) beach, on dead swan.

6. *Dendroxena* (= *Xylodrepa*) *quadrimaculata* (Scopoli, 1772) (= *quadripunctata* Linnaeus, 1761 nec Linnaeus, 1758)

R.: Sigulda, 9.5.1994 (1, F. Kovalevsky) glen "Paparzu grava", in flight; Turaida, 28.6.1994 (1) edge of mixed forest.

Familia Lucanidae

7. *Ceruchus chrysomelinus* (Hochenwarth, 1785)

Tals.: Jaun-Lidumi (Slitere reserve), 16.9.1995 (3 imago, many larvae) in rotting fire-tree wood.

Familia Scarabaeidae

* 8. *Pleurophorus caesus* (Creutzer, 1796)

R.: Cekule, 14.5.1992 (1) in dry cow's dung.

The species was found in Latvia by Kawall (1868), but Spuris (1991) did not include it in the catalogue of *Scarabaeidae* of Latvia because it was not found there for more than 100 years.

9. *Diastictus vulneratus* (Sturm, 1805)

R.: Cekule, 12.4.1994 (1) in dry cow's dung.

The species was found for the last time by Seidlitz (1888).

10. *Omaliopia ruricola* (Fabricius, 1775)

R.: Cekule, 28.6.1993 (6) on flowers of *Anthriscus* sp. and in canopy of the young willow.

11. *Maladera holosericea* (Scopoli, 1772)

R.: island Dolessala, 6.5.1993 (1, R. Matrozis) bank of Daugava river in sweepings.

12. *Hoplia zaitzevi* Jacobson, 1914

R.: Lilaste, 21.6.1992 (1, R. Matrozis) beach.

* 13. *Hoplia praticola* Duftschmid, 1805

R.: Cekule, 19.6.1987 (1) in canopy of willow.

* 14. *Oxythyrea funesta* (Poda, 1761)R.: Riga, Mezaparks, 15.6.1992 (4, from which 3 A. Pushko) corner of Kokneses Str. and Kisezera Str., on flowers of *Centaurea* sp. in the wasteland.15. *Gnorimus nobilis* (Linnaeus, 1758)Tals.: Slitere, 8.7.1994 (1) on flowers of *Filipendula ulmaria* at edge of deciduous forest.**Familia Helodidae**16. *Scirtes orbicularis* (Panzer, 1793)

R.: Cekule, 12.5.1991 (2) moist meadow on bank Maza Jugla river.

Familia Dermestidae17. *Trogoderma versicolor* (Creutzer, 1799)

R.: Cekule, 14.9.1991 (2, F. Kovalevsky) in flat; Riga, Plavnieki, 2.1.1992 (1, F. Kovalevsky) in flat, at home in food storage.

18. *Anthrenus polonicus* Mroczkowski, 1951R.: Riga, Plavnieki, 1.6.1992 (1, F. Kovalevsky) in flat; Cekule, 9.7.1992 (1) on flowers of *Ranunculus* sp.; Tals.: Kolka, 9.7.1994 (1) on flowers of *Achillea millefolium*.**Familia Byrrhidae**19. *Syncalyptra setosa* (Waltl, 1838)

R.: Jurmala, Lielupe's outfall, 23.6.1992 (1) sandy dunes.

* 20. *Simplocaria acuminata* Erichson,

Ces.: Ligatne, 27.5.1995 (2) sandy bank of Gauja river.

* 21. *Simplocaria metallica* (Sturm, 1807)

R.: Riga, Rumbula, 21.1.1992 (1, F. Kovalevsky) in soil at edge of mixed forest; Silciems, 19.3.1995 (1, F. Savics).

Familia Lampyridae22. *Phosphaenus hemipterus* (Goeze, 1777)

R.: Sigulda, 15.7.1991 (1) on soil of mixed forest at the bank of Gauja river.

Familia Malachiidae23. *Charopus flavipes* (Paykull, 1798) (= *graminicola* (Dejean, 1833))R.: Riga, Mezaparks, 1.8.1991 (1) on flowers of *Apiaceae* in pine forest.24. *Ebaeus pedicularis* (Linnaeus, 1758)

Mad.: the moor Teicu purvs, 23.7.1993 (1, F. Savics) on flowers in wet meadow.

25. *Anthocomus bipunctatus* (Harrer, 1784)

R.: Riga, Ilguciems, 18.5.1992 (1) in flat.

26. *Anthocomus rufus* (Herbst, 1784)

Tuk.: Abragciems, 26.8.1991 (1) beach, in flight; Engure, 19.9.1994 (1) in flight; R.: Riga, Daugavgriva, 10.9.1991 (many specimens, F. Savics) on reed; Riga, Ciekurkalns, 21-29.8.1992 (1) in grass; Riga, Mezaparks, 16.8.1995 (3) in flight; Rez.: Dubuli, 8.1992 (1, F. Kovalevsky); Valm.: Mazsalaca, 10.9.1994 (1, F. Savics).

* 27. *Axinotarsus marginalis* (Laporte de Castelneau, 1840)

Jelg.: Ozolnieki, 30.8.1991 (1, F. Kovalevsky) wet meadow near Iecava river.

28. *Axinotarsus pulicarius* (Fabricius, 1775)

R.: Riga, Ciekurkalns, 3.7.1990 (3, M. Doronin) on soil and in grass.

29. *Malachius marginellus* Olivier, 1790

R.: Sigulda, 11.6.1991 (2) on flowers of *Aegopodium podagraria* in meadow near "Paradizes kalns" hill.

Familia Melyridae

30. *Dasytes cyaneus* Fabricius, 1775

Tals.: Mazirbe and Kolka, 16.6.1995 (8) beach.

* 31. *Aplocnemus tarsalis* (C.R. Sahlberg, 1822)

Tals.: Kolka, 28.7.1993 (1) on flowers in pine forest.

Familia Elateridae

32. *Orithales serraticornis* (Paykull, 1800)

R.: Cekule, 30.4.1993 (3) in grass on edge of pine forest.

33. *Cardiophorus asellus* Erichson, 1840

R.: Sigulda, 20.7.1991 (1); 10.7.1992 (1) on grass in meadow near "Paradizes kalns" hill.

34. *Cardiophorus ebeninus* (Germar, 1824)

R.: Cekule, 12.5.1991 (1) meadow.

The species was found for the last time by Seidlitz (1888).

35. *Denticollis rubens* Piller et Mitterpacher, 1783

R.: Sigulda, 21.6.1991 (3) on ferns; 9.5.1994 (6, F. Kovalevsky) in grass in the glen "Paparzu grava"; 10.6.1995 (1) on ferns in the glen "Paparzu grava".

Familia Buprestidae

36. *Trachys troglodytes* Gyllenhal, 1817

R.: Cekule, 25.6.1991 (1) in grass at edge of deciduous forest.

The species was recorded only once (Barsevskis, 1993) during last century.

Familia Erotylidae

37. *Triplax scutellaris* Charpentier, 1825

R.: Carnikava, 29.4.1995 (7) in fungi *Fomes* sp.

The species was found for the last time by Mikutowicz (1905).

Familia Endomychidae

38. *Mycetina cruciata* (Schaller, 1783)

Tals.: Jaun-Lidumi (Slitere reserve), 16.9.1995 (1) on fungi.

The species was found for the last time by Seidlitz (1888).

Familia Cryptophagidae

* 39. *Cryptophagus badius* Sturm, 1845

R.: Riga, Plavnieki, 15.5.1992 (1) in grass.

Familia Mycetophagidae

40. *Mycetophagus quadriguttatus* Müller, 1821

R.: Riga, Mezaparks, Zoo, 10.7. 1991 (1) in hay.

The species was found for the last time by Mühel (1886).

Familia Latridiidae

41. *Cartodere* (= *Latridius*) *constricta* (Gyllenhal, 1827)

R.: Riga, Plavnieki, 9.2.1993 (many specimens) under bark of pines and aspens.

* 42. *Dienerella* (= *Cartodere*) *argus* (Reitter, 1884)

R.: Riga, Plavnieki, 7.7.1991 (1) in flat, in entomological collection.

43. *Dienerella* (= *Cartodere*) *elongata* (Curtis, 1830)

R.: Salaspils, Institute of Biology 14.5.1992 (1) in entomological collection.

Familia Coccinellidae

* 44. *Semiadalia undecimnotata* (Schneider, 1792)

Tals.: Kolka, 9.7.1993 (1) beach.

Familia Anthicidae

* 45. *Formicomus pedestris* (Rossi, 1790)

R.: Cekule, 12.9.1992 (1) dry meadow.

* 46. *Omonadus formicarius* (Goeze, 1777)

R.: Riga, Rumbula, 22.9.1992 (1, F. Savics); Cekule, 25.6.1994 (1) bank of Maza Jugla river.

The species was mentioned for Livland (Seidlitz, 1887-1891; Rathlef, 1905), but with no precise location in Latvia or Estonia.

* 47. *Stricticomus tobias* (Marseul, 1879)

R.: Incupe, 11.9.1992 (1) beach. Cosmopolite species.

Familia Mordellidae

48. *Mordella holomelaena* Apfelbeck, 1914

Jelg.: Zalenieki, 16.6.1987 (1) wheaten field.

49. *Mordellistena variegata* (Fabricius, 1798)

R.: Sigulda, 15.7.1991 (1) on flowers of *Apiaceae* in meadow at "Paradizes kalns" hill;
 6.7.1992 (1) on flowers of *Apiaceae* in meadow at the right side of Gauja; Jurmala, Priedaine,
 24.7.1992 (1) on flowers of *Angelica silvestris* in pine forest.

Familia Anaspidae

50. *Cyrtanaspis phalerata* (Germar, 1831)

R.: Riga, Rumbula, 11.12.1992 (1, F. Kovalevsky) under pine bark.

Familia Serropalpidae

51. *Orchesia micans* (Panzer, 1794)

R.: Riga, Plavnieki, 2.1992 (3) adults reared from larvae collected living in bracketed-fungi.

52. *Orchesia luteipalpis* Mulsant et Guillebeau, 1857

R.: Cekule, 10.4.1994 (1) under bark in mixed forest.

* 53. *Dircaea australis* Fairmaire, 1856

R.: Sigulda, 3.7.1993 (1) under bark of fallen lime.

54. *Zilora sericea* (Sturm, 1807)

R.: Riga, Mezciems, 4.2.1988 (1) under bark of pine; Bergi, 23.2.90 (1, F. Savics).

55. *Xylita livida* (C.R. Sahlberg, 1833)

R.: Sigulda, 30.6.1991 (1) under bark of lime.

56. *Xylita laevigata* (Hell, 1786)

R.: Cekule, 9.4.1993 (3) under bark of dead pines.

57. *Melandrya dubia* (Schaller, 1783)

R.: Sigulda, 22.6.1991 (1) on fallen lime; 21.7.1991 (1) in deciduous forest near the bank of Gauja river; Turaida, 28.6.1994 (1) at fallen oak.

Familia Alleculidae

58. *Mycetochara linearis* (Illiger, 1794)

Tals.: Slitere, 8.7.1994 (1) in canopy of shrubs in broad-leaved forest.

The species was found for the last time by Seidlitz (1888).

59. *Mycetochara flavipes* (Fabricius, 1792)

R.: Jurmala, Bulduri, 18.6.1990 (1) cutting in pine forest; Carnikava, 6.6.1991 (1).

60. *Pseudocistela ceramboides* (Linnaeus, 1758)

R.: Sigulda, 3.7.1993 (1) on flowers of *Lonicera* sp. in meadow near "Paradizes kalns" hill; Tals.: Kolka, 12.7.1993 (1) beach; 4-5.7.1995 (3) dry meadow.

61. *Prionychus ater* (Fabricius, 1775)

R.: Sigulda, 10.8.1992 (1) on flowers of *Aegopodium podagraria* in meadow.

Familia Rhipiphoridae

62. *Metoecus paradoxus* (Linnaeus, 1761)

R.: Cekule, 6.6.1989 (1) dead in greenhouse.

The species was found for the last time by Seidlitz (1888).

Familia Chrysomelidae63. *Macrolea* (= *Haemonia*) *mutica* (Fabricius, 1792)

R.: Riga, Daugavgrīva, 4.4.1992 (1, R. Matrozis) on reed.

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