

New data on distribution of rare species of ground beetles (Coleoptera, Carabidae) in Latvia

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Abstract

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New information about distribution of 41 ground beetles species is presented. Material for this article collected from 1990 to 1997. The finding localities, notes on habitats, biology and other information about species are presented. One species *Philochthus aeneus* Germ. is a new for Latvia.

Key words: Carabidae, distribution, rare species, Latvia.

List of species

1. *Notiophilus aesthuans* Motsch.

Riga distr., Salaspils 04.05.1995 (1) on dry grass land. The species was known from Latvia from single specimen till now (Barðevskis, 1994).

2. *Leistus piceus* Froelich

Aizkraukle distr., Skrīveri 1990 (2, leg. D.Volkov), forest, in pitfall traps.

3. *Carabus clathratus* L.

Liepājā distr., Pape September of 1994, numerous specimens observed near Pape lake at daytime. This species included in Latvian Red Data Book.

4. *Omophron limbatus* L.

Tukums distr., Bērziems 23.05.1992 (numerous, leg. R. Matrozis), seaside; Saldus distr., Grieze 06.06.1992 (2), sandy bank of Venta river; Riga distr., Salaspils in summers of 1995 - 1997, numerous of specimens on sandy bank of pond; Riga distr., Sigulda 12.06.1994 (1), Gauja river bank; Valmiera distr., Mazsalaca environs 13.07.1995 (1), Salaca river bank; Riga distr., Mazā Jugla river bank near Mucinieki, 03.08.1996 (1, leg. R. Matrozis); Talsi distr., Uši 21.07.1996 (numerous, leg. D. Telnov), seaside. In accordance with author opinion species is not so rare as considered by other authors (Spuris, 1983; Barðevskis, 1993).

5. *Blethisa multipunctata* L.

Riga distr., Dzirnezers 17-22.07.1992 (numerous, leg. R. Matrozis); Tukums distr., near Engure lake, 29.04.1994 (1), 18.05.1997 (3); Riga distr., Lilaste lake, 19.07.1992 (3, leg. R. Matrozis); Riga distr., between Gauja river mouth and Garupe 30.07.1992 (1, leg. R. Matrozis), seaside.

6. *Elaphrus uliginosus* F.

Rīga distr., Garupe 25.05.1996 (1), seaside.

7. *Miscodera arcrica* Payk.

Valmiera distr., Skaņkalne environs 09.06-02.07.1992 (1), pitfall traps in pine forest; Valka distr., Trikāta June-July 1992 (1, leg. M.Kalniņš), pitfall traps in pine forest; Rīga distr., Garkalne 08.06.1997 (numerous), 31.08.1997 (2) old burned area.

8. *Patrobus assimilis* Chaud.

Daugavpils distr., Ilgas 10.05.1996 (1) park.

9. *Dyschirius impunctipennis* Dawson

Rīga distr., Garupe 23.06.1992 (1, leg. R.Matrozis) seaside.

10. *Dyschirius nitidus* Dej.

Valmiera distr., Skaņkalne 13.07.1995 (1), 12.07.1997 (numerous) Salaca river bank.

11. *Tachys bistriatus* Duft.

Rīga distr., Dole island 06.06.1992 (numerous, leg. R.Matrozis), Daugava river bank; Rīga, Ķengarags 13.06.1992 (1, leg. R.Matrozis), Daugava river bank.

12. *Paraprincidium ruficollae* Panz.

Rīga distr., Sigulda 12.06.1994 (numerous), sandy Gauja river bank; Saldus distr., Grieze 06.06.1992 (3), Venta river bank; Rīga distr., Ropaži (4) Gauja river bank.

13. *Princidium punctatulum* Drapeiz

Saldus distr., Grieze 06.06.1992 (4), Venta river bank; Rīga distr., Sigulda 12.06.1994 (numerous) Gauja river bank.

14. *Testedius bipunctatus* L.

Rīga, Ķengarags 13.06.1992 (1) Daugava river bank; Rīga distr., near Gauja railway station 14.07.1992 (1, leg. R.Matrozis).

15. *Chlorodius pygmaeus* F.

Madona distr., Teiči bog 23.07.1993 (1), environs of bog on dry sandy road.

16. *Neja nigricorne* Gyll.

Rīga distr., Jūrmala, S of Kūdra 18.09.1995 (numerous) dry pine forest; Rīga distr., E of Inčupe station 18.07.1996 (numerous) dry pine forest; Rīga distr., Garkalne 08.06.1997 (numerous) old burned area; Valmiera distr., Skaņkalne environs summer of 1997 (numerous) pine forest.

17. *Philochtus aeneus* Germ.

Rīga distr., Ropaži 31.08.1997 (2), dry pond bank. A new species for Latvian fauna.

18. *Bembidion humerale* Sturm.

Rīga distr., Rampas bog 12.06.1996 (numerous); Talsi distr., Slītere reserve, Bažu bog near Saunags 23.06.1997 (2).

19. *Peryphidolus monticola* Sturm.

Rīga distr., Dārziņi 27.03.1993 (2) Daugava river bank; Rīga distr., Dārziņi 05.06.1993 (1, leg. R.Matrozis) Daugava bank.

20. *Ocydromus lunatus* Duft.

Rīga distr., Silciems 06.08.1992 (1, leg. R.Matrozis) Gauja river bank.

21. *Ocydromus stephensi* Crotch

Rīga distr., Sigulda, Paparžu grava 17.05.1992 (1, leg. R.Matrozis); Limbaži distr., Skulte 22.06.1996 (1) Aģe river bank; Valmiera distr., Mazsalaca 24.06.1996 (4) Skaņaiskalns Salaca river bank; Valmiera distr., Ramata 31.07.1997 (2) river bank.

22. *Sericoda quadripunctata* Deg.

Rīga distr., Čekule 09.04.1994 (numerous leg. D.Telnov).

23. *Agonum impressum* Panz.

Rīga, Ķengarags 13.06.1992 (1, leg. R.Matrozis) Daugava river bank; Rīga distr., Dole island 27.06.1992 (1, leg. R.Matrozis) Daugava river bank; Tukums distr., between Engure and Bērzciems 20.05.1993 (1, leg. R.Matrozis) seaside; Rīga distr., Dalbe 09.06.1996 (1) Misa river bank. This species was found in Latvia mainly at river Daugava, scarce in other places (Barðevskis, 1993; Spuris, 1995).

24. *Europhilus munsteri* Hellen

Rīga distr., Rampas bog 12.06.1996 (no less than 5).

25. *Olistophus rotundatus* Payk.

Rīga distr., Čekule 05.08.1992 (1, leg. D.Telnov); Jelgava distr., Tērvete 07.10.1995 (1, leg. D.Telnov) mixed forest; Rīga distr., Garkalne 08.06.1997 (1), 31.08.1997 (1) old burned area.

26. *Omaseus aterimus* Herbst

Rīga distr., Inčupe 21.06.1992 (1, leg. R.Matrozis) seaside; Rīga, Gaīļezers 01.06.1997 (1).

27. *Bolitopterus quadrioveolatus* Letzner

Rīga distr., Rumbula, summer to autumn 1993, common in pine forest, rare on open areas; Rīga distr., Garkalne 08.06.1997, (numerous) old burned area; Talsi distr., Slītere reserve, near Uģi 23.06.1997 (numerous).

28. *Amara nitida* Sturm

Rīga distr., Jūrmala, Melluģi 19.05.1992 (1, leg. M.Kalniņš) seaside.

29. *Amara ingenua* Duft.

Rīga distr., in Rumbula and Priedaine dumps in 1992-1994 (common); Rīga, Pļavnieki 10.04.1994 (1, leg. D.Telnov).

30. *Amara municipalis* Duft.

Rīga distr., Rumbula and Priedaine dumps in 1992-1994 (common).

31. *Harpalus flavescens* Pill. et Mitt.

Rīga, Kundziņsala 04.06.1997 (numerous).

32. *Licinus depressus* Payk.

Rīga distr., Dole island, at least 6, but seems to be abundant; Rīga distr., Saulkalne 13.08.1992 (1) Daugava river bank; Rīga distr., Inčukalns 12.09.1992 (1) Gauja river bank; Rīga distr., Rumbula 21.03.1993 (1) pine forest; 01.09.1993 (1) field; Rīga distr., Dārziņi 07.08.1993 (1, leg. R.Matrozis) Daugava river bank; Talsi distr., Kolka 06-26.07.1993 (1, D.Telnov) dry pine forest; Rīga distr., Saurieģi 17.09.1995 (1, leg. D.Telnov).

33. *Chlaenius vestitus* Payk.

Rīga city Ķengarags 13.06.1992 and in 1993 (numerous), in 1996 (1) on Daugava river bank.

34. *Oodes gracilis* Villa

Tukums distr., Engure lake 12.06.1991 (1); Rīga distr., Ķīšezers lake shore at Sūnu island 16.05.1993 (1, leg. R.Matrozis).

35. *Masoreus weterhalli* Gyll.

Rīga distr., Garkalne 08.06.1997 (4), 31.08.1997 (1) burned area.

36. *Paradromius linearis* Ol.

Liepāja distr., Pape 15.08.1991 (2) dunes; Talsi distr., Kolka 23.06.1997 (1). This species was found in 2 places in Latvia (Spuris, 1983; Telnov, 1996). In Barševski's monograph (Barševskis, 1993) is reference to (Barševskis, Savenkovs 1992), but there absent any information on this species.

37. *Paradromius longiceps* Dej.

Riga, Gaiļezers lake 09.01.1993 (1, leg. R.Matrozis) under bark; Riga, Vecdaugava 20.05.1993 (1, leg. R.Matrozis) under dead aspen bark together with *Hololepta plana* Sulzer. The species recorded 4 times till now (Spuris, 1983, Barševskis, 1993, Savich, 1997).

38. *Demetrias imperialis* Germ.

Riga, Mangaļsala 16.05.1993 (1, leg. R.Matrozis) seaside; Tukums distr., Engure lake, Lopsalrova 30.04.1994 (numerous) in reeds. The species is known only from 3 localities in Latvia.

39. *Demetrias monostigma* Samouelle

Tukums distr., Engure lake 24.05.1992 (2, leg. R.Matrozis) in inhabited mallard nest; Riga distr., Gauja river mouth 13.07.1992 (1) seaside; Limbazu distr., Lāņi 19.05.1996 (1) seaside.

40. *Cymindis macularis* Fisch.-Wald.

Riga distr., Garkalne June-August 1997 (numerous) old burned area; Talsi distr., Slītere reserve, sandy road in Bažu bog 22.06.1997 (4).

41. *Cymindis varporariorum* L.

Valmiera distr., Skaņkalne environs 09.06-02.07.1992 (1) pine forest pitfall traps; Valka distr., Trikāta 06.-07. 1992 (1, leg. M.Kalnins) pitfall traps in pine forest. The species was found together with *Miscodera arctica* Payk. In boyh localities.

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