

NEW RECORDS OF SMALL CARRION BEETLES (COLEOPTERA: LEIODIDAE: CHOLEVINAE) FROM LATVIA

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New distributional records are presented for 17 species in 7 genera of small carrion beetles (Coleoptera: Leiodidae: Cholevinae) from Latvia. *Sciodrepoides alpestris* Jeannel, 1934, *Choleva (Choleva) sturmii* C. Brisout de Barneville, 1863 and *Nargus (Nargus) velox velox* (Spence, 1813) are reported from Latvia for the first time.

Key words: Coleoptera, Leiodidae, Cholevinae, Palaearctic region, Latvia, distribution, new records.

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INTRODUCTION

At present, 30 species in 9 genera of Cholevinae are known from Latvia (Perreau, 2004). Despite the more than 230 year history of studying beetles in Latvia, starting with the first work of J.B. Fisher (1784) on the nature of Livland, not all families of beetles have been sufficiently studied yet. This can be applied particularly to families of Staphyliniformia, where identification to species is sometimes quite difficult. Small carrion beetles (Coleoptera: Leiodidae: Cholevinae) is one of these groups, to date no special publication devoted to distribution of small carrion beetles through the territory of Latvia is available. Separate data on distribution of some species of Cholevinae from Latvia are scattered in many faunistic papers and catalogues (Seidlitz, 1887; Stiprajs & Varzinska 1985, Barševskis, 1993, 1997b;

Bukejs, 2006; Telnov, 1997, 2001, 2002, 2004, 2008; Telnov et al., 2007, 2008) and in more general catalogues and checklists (Jacobson, 1908; Silfverberg, 1992, 2004, 2006; Perreau, 2004).

In this paper, we are presenting new records of small carrion beetles (Coleoptera: Leiodidae: Cholevinae) from Latvia. New distributional records are presented for 17 species in 7 genera. Three species, *Sciodrepoides alpestris* Jeannel, 1934, *Choleva sturmii* C. Brisout de Barneville, 1863 and *Nargus velox velox* (Spence, 1813), are reported from Latvia for the first time.

MATERIAL AND METHODS

This paper is based on specimens collected by the third author, K. Aksjuta, A. Bukejs,

R.Cibuļskis, J.Donis, G.Jurševska, A.Pankjāns and U.Valainis during 1985-2009 in Latvia. Material is deposited in the collection of Daugavpils University, Institute of Systematic Biology [DUBC] (Daugavpils, Latvia). Classification follows the catalogue of Perreau (2004), with correction of nomenclature by Löbl & Smetana (2006). Genera and species are listed in alphabetic order. All specimens were identified by the first author.

RESULTS

Tribe Cholevini Kirby, 1837

Subtribe Catopina Chaudoir, 1845

Apocatops nigrita (Erichson, 1837)

Catops nigrita: Silfverberg, 1992:15
Catops nigrita: Barševskis, 1993:103
Catops nigrita: Lundberg, 1995
Catops nigrita: Barševskis, 1997a:34
Catops nigrita: Barševskis et al., 2002:42
Catops nigrita: Silfverberg, 2004:22
Apocatops nigrinus [sic!]: Telnov, 2004:42
Apocatops nigrita: Perreau, 2004:136

Material examined. Aizkraukle distr., Taurkalne, 12.IX.2005, (1M, J.Donis leg.); Madona distr., Kalsnava, 03.VII.2006, (1F, J.Donis leg.), 14.VIII.2006, (2F, J.Donis leg.); Madona distr., Krustkalni Nature reserve, 18.IX.2007, (2M, 2F, A.Pankjāns, G.Jurševska, K.Aksjuta leg.); Riga distr., Olaine, 05.IX.2006, (3M, 5F, J.Donis leg.); Riga distr., Salaspils city, 05.IX.2006, (1F, J.Donis leg.); Talsi distr., "Kaļķupes ieleja", window trap, 13.VII.2009, (1M, U.Valainis, R.Cibuļskis, A.Barševskis leg.); Talsi distr., Slitere National Park, VII.2002, (2M, A.Barševskis leg.); Ventspils distr., Moricsala Nature Reserve, pitfall trap, 29.VI.2006, (1F, A. Barševskis leg.).

Distribution. Europe, Kazakhstan, Western Siberia.

Catops coracinus Kellner, 1846

Catops coracinus: Telnov et al., 2008:49

Material examined. Madona distr., Kalsnava, 03.VII.2006, (1F, J.Donis leg.).

Distribution. North Africa, Europe, Israel, Turkey, Kazakhstan, Mongolia.

Catops fuscus fuscus (Panzer, 1794)

Catops fuscus: Silfverberg, 1992:15
Catops fuscus: Barševskis, 1993:104
Catops fuscus: Lundberg, 1995
Catops fuscus: Barševskis, 1997a: 33
Catops fuscus: Barševskis et al., 2002:42
Catops nigrita: Silfverberg, 2004:22
Natops fuscus: Telnov, 2004:42
Catops fuscus fuscus: Perreau, 2004:138

Material examined. Krāslava distr., Šķeltova (Šķeltini), VII.1994, (1F, A.Barševskis leg.), Šķeltova (Šķeltini), Barševski env., 18.VIII.1992, (1M, 2F, A.Barševskis leg.).

Distribution. Europe, Turkey, Western Siberia.

Catops morio (Fabricius, 1787)

Catops morio: Silfverberg, 1992:15
Catops morio: Barševskis, 1993:104
Catops mirio: Lundberg, 1995
Catops morio: Barševskis, 1997a:33
Catops morio: Barševskis et al., 2002:42
Catops morio: Telnov, 2002:16
Catops nigrita: Silfverberg, 2004:22
Catops morio: Telnov, 2004:42
Catops morio: Perreau, 2004:138

Material examined. Jekabpils distr., Tadenava, forest between Dviete and Tadevana, pheromone trap, VII. 2009, (1M, A.Barševskis leg.).

Distribution. Transpalaeartic species.

Catops nigricans (Spence, 1813)

Catops nigricans: Jakobson, 1908:609
Catops nigricans: Silfverberg, 1992:15
Catops nigricans: Lundberg, 1995
Catops nigricans: Barševskis, 1997a:33
Catops nigrita: Silfverberg, 2004:22
Catops nigricans: Telnov, 2004:42
Catops nigricans: Perreau, 2004:139

Material examined. Aizkraukle distr., Taurkalne, 18.VII.2005, (1F, J.Donis leg.), 05.X.2005, (1F, J. Donis leg.); Aizkraukle distr., “Aizkraukles purvs un meži” restricted area, 16.IX. – 15.X.2008, (1M, A.Bukejs leg.); Daugavpils distr., Ilgas, Silene Nature park, 8.VII.1992, (1F, A.Barševskis leg.); Daugavpils distr., Višķi, 22.XI.1992, near Dotkas lake (1F, A. Barševskis leg.); Krāslava distr., Šķeltova, 05.V.1989, (1F, A.Barševskis leg.); Šķeltova (Šķeltiņi), 18.VIII.1992, (1F, A.Barševskis leg.); Rīga distr., Olaine, 19.IX.2006, (1F, J.Donis leg.); Valka distr., Mežole, 2.X.2006, (1M, J.Donis leg.).

Distribution. Europe, Turkey, Kazakhstan, Western China.

***Catops picipes* (Fabricius, 1787)**

Catops picipes: Barševskis, 1993:104
Catops picipes: Telnov, 2001:62
Catops picipes: Silfverberg, 2004:22

Material examined. Aizkraukle distr., “Aizkraukles purvs un meži” restricted area, 16.IX. – 15.X.2008, (2M, 1F, A.Bukejs leg.); Talsi distr., Šlītere, Slītere National Park, 2002, (2F, A.Barševskis leg.); Ventspils distr., Moricsala Nature Reserve, V.2002, (1M, 1F, U.Valainis leg.).

Distribution. Europe.

***Catops subfuscus subfuscus* Kellner, 1846**

Catops subfuscus: Telnov, 2002:16
Catops subfuscus: Silfverberg, 2004:22

Material examined. Valka distr., Mežole, 01.VIII.2006, (2F, J.Donis leg.).

Distribution. Europe.

***Catops tristis tristis* (Panzer, 1794)**

Catops tristis: Telnov, 2004:42
Catops tristis: Silfverberg, 2006:41

Material examined. Madona distr., Kalsnava, 03.X.2006, (1M, 9F, J.Donis leg.); Rīga distr., Olaine, 05.IX.2006, (1M, J.Donis leg.); Valka distr., Mežole, 18.IX.2006, (1F, J.Donis leg.).

Distribution. Europe.

***Fissocatops westi* (Krogerus, 1931)**

Catops westi: Barševskis, 1997a:34
Catops westi: Telnov, 1997:84
Fissocatops westi: Telnov, 2004:42
Catops westi: Silfverberg, 2004:22

Material examined. Aizkraukle distr., Taurkalne, 18.VIII.2005, (1F, J.Donis leg.); Daugavpils, 14.V.1988, (1F, A.Barševskis leg. / *Catops nigrita* Er. Perkovsky det.); Daugavpils distr., Pilskalne, “Pilskalnes Siguldiņa” Nature Park, 05.IV.1991, (1M, A.Barševskis leg.); Daugavpils distr., Ilgas, Silene Nature Park, 21.–24.IV.1995, (1M, A.Barševskis leg.); Madona distr., Kalsnava, 03.VII.2006, (1M, 1F, J.Donis leg.); Rīga distr., Olaine, 1.VIII.2006, (1F, J.Donis leg.); Ventspils distr., Moricsala Nature reserve, IV.2002, (1M, U.Valainis leg.), 29.VI.2006, (2M, 1F, A. Barševskis leg.).

Distribution. Europe, Western Siberia.

***Sciodreporoides alpestris* Jeannel, 1934**

Material examined. Daugavpils distr., Ilgas, 16.VI.1991, (1M, A.Barševskis leg.); Ventspils distr., Moricsala Nature Reserve, VI.2002, (1M, A.Barševskis leg.).

Distribution. Transpalearctic species.

Remarks. New species for the fauna of Latvia.

***Sciodreporides fumatus* (Spence, 1813)**

Sciodreporides fumatus: Silfverberg, 1992:15
Sciodreporides fumatus: Barševskis, 1993:103
Sciodreporides fumatus: Lundberg, 1995
Sciodreporides fumatus: Barševskis, 1997a: 33
Sciodreporides fumatus: Barševskis et al., 2002:42
Sciodreporides fumatus: Bukejs, 2006:66
Sciodreporides fumatus: Telnov, 2004:42
Sciodreporides fumatus: Silfverberg, 2004:22
Sciodreporides fumatus: Perreau, 2004:141

Material examined. Aizkraukle distr., Ērberģe, 14.VIII.2006, (4F, J.Donis leg.); Daugavpils distr., Ilgas, Silene Nature Park, 1985, (1F, A.Barševskis leg.); Jēkabpils distr., Tadenava, forest between Dviete and Tadenava, *Ips* pheromone trap, VII.2009, (1F, A.Barševskis leg.); Madona distr., Kalsnava, 03.VII.2006, (4F, J. Donis leg.), 14.VIII.2006, (1M, 1F, J.Donis leg.); Madona distr., Krustkalni Nature Reserve, 18.IX.2007, (1F, A.Pankjāns, G.Jurševska, K.Aksjuta leg.); Riga distr., Salaspils city, 05.IX.2006, (1F, J.Donis leg.); Riga distr., Olaine, 01.VIII.2006, (1M, 1F, J.Donis leg.); Talsi distr., Slītere National Park, “Zilie kalni”, 10.VIII.2004, (1M, A. Barševskis leg.); Valka distr., Mezole, 01.VIII.2006, (1M, 1F, J.Donis leg.); Ventspils distr., Moricsala Nature Reserve, VI.2002, (2M, 6F, A.Barševskis leg.), VII.2003, (1F, U.Valainis leg.).

Distribution. Transpalaeartic species.

***Sciodreporides watsoni* (Spence, 1813)**

Sciodreporides watsoni: Silfverberg, 1992:15
Sciodreporides watsoni: Barševskis, 1993:103
Sciodreporides watsoni: Lundberg, 1995
Sciodreporides watsoni: Barševskis, 1997a: 33
Sciodreporides watsoni: Barševskis et al., 2002:42
Sciodreporides watsoni: Silfverberg, 2004:22
Sciodreporides watsoni: Telnov, 2004:42
Sciodreporides watsoni watsoni: Perreau, 2004:141

Material examined. Aizkraukle distr., Taurkalne, 05.X.2005, (1F, J.Donis leg.), 03.VII.2006, (1M, J.Donis leg.); Daugavpils distr., Ilgas, Silene Nature Park, 1985, (1F, A.Barševskis leg.), 2.07.1994, (5M, A.Barševskis leg.), 2.VII.1997, (1F, A.Barševskis leg.), VII.2005, (2M, 1F, A.Barševskis leg.); Liepāja distr., Pape, Baltic Sea coast, 22-24.VIII.1995, on light, (1M, N.Savenkovs leg.); Madona distr., Krustkalni Nature Reserve, 17.VII.2007, (1M, 1F, A.Pankjāns, A.Barševskis, A.Soldans, U.Valainis leg.), 18.IX.2007, (9M, 8F, A. Pankjāns, G. Jurševska, K. Aksjuta leg.); Madona distr., Kalsnava, 03.VII.2006, (4M, 7F, J.Donis leg.); 14.VIII.2006, (5M, 2F, J.Donis leg.); Riga distr., Olaine, 05.IX.2006, (6M, 6F, J.Donis leg.); Riga distr., Salaspils city, 14.VIII.2006, (1M, 1F, J.Donis leg.); Talsi distr., “Kaļķupes ieleja” restricted area, window traps, VI. – 13.VII.2009, (1M, 1F, A.Barševskis leg.); Talsi distr., Slītere National Park, window trap, 14.VI.2008, (1M, A.Pankjāns leg.); Valka distr., Mezole, 01.VIII.2006, (1F, J.Donis leg.); Ventspils distr., Moricsala Nature Reserve, VI.2002, (2M, 2F, A. Barševskis leg.), IX.2003, (1M, U.Valainis leg.), 25.VI.2004, (2F, A.Barševskis leg.), 09.VII.2004, (5M, 7F, A.Barševskis, U.Valainis leg.), 03.IX.2004, (1F, A. Barševskis leg.), 22.V.2006, (1F, E. Rudans, A. Barševskis leg.), 01.VII.2006, (1M, A.Barševskis, U.Valainis leg.), 01.VIII.2006, (1M, A.Barševskis, U.Valainis leg.), 29.IX.2006, (1F, A.Barševskis leg.).

Distribution. Holarctic species.

Subtribe Cholevina Kirby, 1837

***Choleva (Choleva) agilis* (Illiger, 1798)**

Choleva agilis: Seidlitz, 1887:318
Choleva agilis: Jakobson, 1908:607
Choleva agilis: Silfverberg, 1992:14
Choleva agilis: Lundberg, 1995
Choleva agilis: Barševskis, 1997a:33
Choleva agilis: Silfverberg, 2004:22

Material examined. Ventspils distr., Moricsala Nature Reserve, V.2003, (1F, U.Valainis leg.).

Distribution. Europe, Turkey, Transcaucasia.

Ptomaphagus sericatus: Telnov et al., 2007:48

Ptomaphagus sericatus: Telnov, 2008:70

***Choleva (Choleva) oblonga oblonga* Latreille, 1807**

Choleva oblonga: Jakobson, 1908:607

Choleva oblonga: Silfverberg, 1992:14

Choleva oblonga: Lundberg, 1995

Choleva oblonga: Barševskis, 1997a:33

Choleva oblonga: Telnov, 2001:62

Choleva oblonga: Silfverberg, 2004:22

Choleva oblonga oblonga: Perreau, 2004:144

Material examined. Jekabpils distr., Dunava, dry meadow, IV.2002, (1M, A.Barševskis leg.).

Distribution. Europe, Turkey.

***Choleva (Choleva) sturmii* C. Brisout de Barneville, 1863**

Material examined. Riga distr., Olaine, 19.IX.2006, (1F, J.Donis leg.).

Distribution. Europe.

Remarks. New species for the fauna of Latvia.

***Nargus (Nargus) velox velox* (Spence, 1813)**

Material examined. Aizkraukle distr., "Aizkraukles purvs un meži" restricted area, 16.IX. – 15.X.2008, (6M, 8F, A.Bukejs leg.); Talsi distr., Slītere National Park, 13.IX.2005, (1F, A.Barševskis leg.); Ventspils distr., Moricsala Nature Reserve, VI. 2002, (1M, A.Barševskis leg.).

Distribution. Europe, Cyprus, Turkey.

Remarks. New species for the fauna of Latvia.

Tribe Ptomaphagini Hatch, 1928

Subtribe Ptomaphagina Hatch, 1928

***Ptomaphagus (Ptomaphagus) sericatus sericatus* (Chaudoir, 1845)**

Material examined. Jēkabpils distr., Dunava, 27.V.1995, (1M, A.Barševskis leg.); Krāslava distr., Šķeltova, 28.VIII.1989, (1M, A.Barševskis leg.).

Distribution. Europe.

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