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The Leaf-beetles (Coleoptera, Chrysomelidae) of the South Urals

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Abstract

This paper is an annotated list of the Chrysomelidae fauna of the South Urals including 13 subfamilies, 65 genera and 285 species.

Introduction

The family Chrysomelidae is one of the largest Coleoptera families. The faunistic lists published before 1996 included species of the conservation areas of the South Urals only (ESYUNIN & KOZMINYH, 1992; LAGUNOV & NOVOZHENOV, 1996). A review article dedicated to the eco-faunistic characteristics of the leaf-beetles of the South

Urals appears in 1996 (GUS'KOVA, 1996). However this work lacks sufficient data as regards the subfamily Alticinae which invites a further individual comprehensive research. Follows a series of works (BIENKOWSKI, 2001, 2009; MIKHAILOV, 2006a, 2006b) dedicated to the problem of defining the systematic position of the two species of the South Urals described over 100 years ago, G.G. JACOBSON: *Chrysolina poretzkyi* (JACOBSON, 1897) and *Chrysolina roddii* (JACOBSON, 1897). The works describe two new species found in this area: *Chrysolina (Pleurosticha) lagunovi* MIKHAILOV, 2006 and *Altica filipendulae* CHASHCHINA, 2006. A review paper devoted to the family Alticinae, including 88 species from 16 genera, is published (CHASHCHINA, 2008).

Thus, we now face a need to critically revise the faunistic list of the leaf-beetles of the South Urals. The present study continues the author's publications on the Chrysomelidae fauna of the region.

The author's collection of 1995-2009, done in natural and anthropogenic biotopes of the South Urals, served as material for the present study. We performed our research in three biomes of the South Urals-woodland, forest steppe and steppe. In addition we studied the collections of the Zoological Institute of the Russian Academy of Science (ZIN, St.-Petersburg, Russia), the Zoological Museum of Moscow State University (Moscow, Russia), the Zoological Museum of Kurgan State University (Kurgan, Russia) and the Siberian Zoological Museum (Novosibirsk, Russia). To compile the list we resorted to the literary data of other researchers.

There is no commonly accepted viewpoint as to the boundaries of the South Urals as a natural region. By the South Urals, the author of the present paper understands an area with the following characteristics: the South Urals are part of the Ural territory located southward from 55° 25' n. lat. The northern border of the South Urals (according to CHIKISHEV, 1966) is formed by the valley of the river Ufa stretching from the cities of Nyazepetrovsk and Verkhnij Ufalej east-north-eastward across Lake Itkul' and the city of Kamensk-Ural'skiy to the mouth of the river Iset'. The southern border stretches from the latitudinal segment of the river Sakmara, along the latitudinal flow of the river Ural, across the city of Orsk, along the valley of the river Kumak and further eastward to the south of the source of the river Tobol. The eastern border runs from the city of Kamensk-Ural'skiy to the east of Chelyabinsk and Troitsk and to the east of the high-level meridional flow of the river Tobol. The western natural border is formed by the main range of the South Urals (Fig. 1).

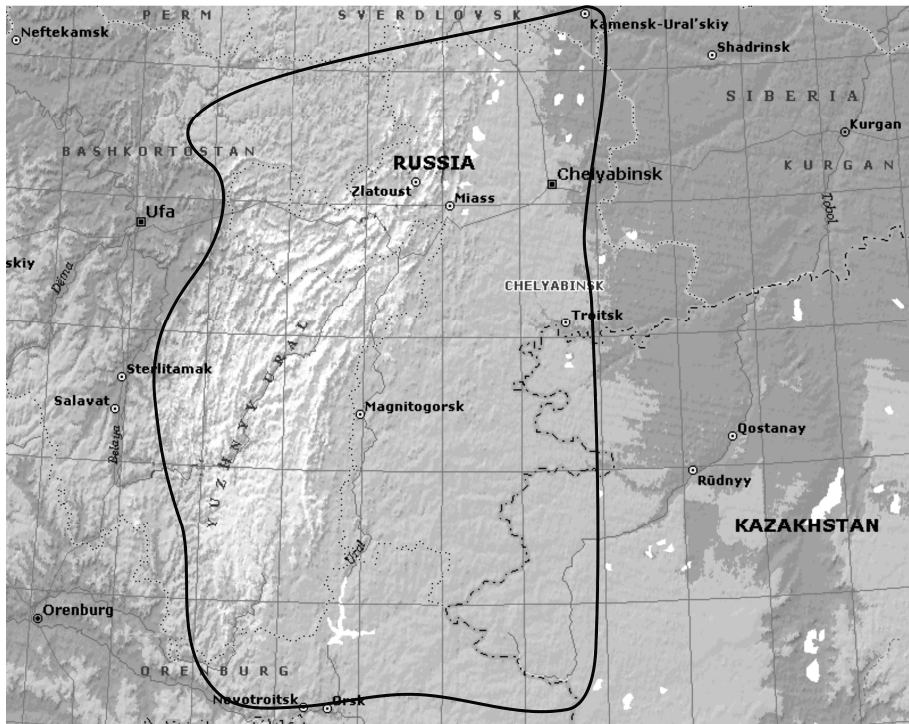


Fig. 1: Borders of Southern Ural.

The South Urals are divided into 2 parts – the northern mountainous part and the southern plateau-like part. Here, the width of the mountains reaches its greatest point (120 km), the height going up to 1500-1600 m. The mountain terrain is represented by several lines of large ranges, among which the Uraltau range is a watershed one. The highest peak of the South Urals is Mount Yamantau (1640 m). High ranges and massifs feature bald terrain areas. To the south of the latitudinal segment of the river Belaya the mountain height falls to 500-600 m. This is the South-Urals peneplain (the Zilairskoe plateau), a high plain with fold base. In the east the axial part of the South Urals turns into the Zauralskij peneplain, a lower and smoother billowy plain with the average height of 280-300 m (CRIKISHEV, 1966). Thus, heterogeneity of natural conditions has determined top-soil diversity and, consequently, biodiversity.

As a result of our research we have compiled a paper which is an annotated list of the Chrysomelidae fauna of the South Urals including 13 subfamilies, 65 genera and 285 species.

The subfamily Alticinae, which includes 90 species, thus representing 31,6% of the total fauna, is the richest one. Then come, in descending order, the following subfamilies: Chrysomelinae – 51 species (17,9 %); Cryptocephalinae – 47 species (16,5 %); Donaciinae – 25 species (8,8 %); Galerucinae – 20 species (7 %); Cassidinae – 19 species (6,7 %); Clytrinae – 13 species (4,6 %); Criocerinae – 11 species (3,9 %); Eumolpinae – 4 species (1,4 %); Zeugophorinae – 2 species (0,7 %). The subfamilies Synetinae, Orsodacninae and Hispinae are scanty and include one species each.

The article presents the full faunistic list of the leaf-beetles of the South Urals. To compile the list we resorted to the most up-to-date nomenclature of the leaf-beetles names (WARCHALOWSKI, 1985, 1991, 1993, 1994, 1995; KIPPENBERG, DOBERL, 1994; BIEŃKOWSKI, 1999, 2004; LOPATIN, 2004). The systematic order of leaf-beetles conforms to the catalog (LOPATIN, 2004). Within the genus and subgenera the species are given in alphabetic order.

The characteristics of each species are given in the following order: title, author, synonymy, bibliography on the South Urals (including all the studies with data on leaf-beetles to 2009 inclusive), geographic distribution (the common one and the one for the South Urals), material (only part of material is given for mass species) and, in some specific cases, systematic notes.

Abbreviation list

- C – Central
- E – Eastern
- Isl. – Island
- N. – Northern
- Prov. – Province
- reg. – region
- Res. – Reserve
- S – Southern
- W – Western

Museums:

IPAE – Zoological Museum of Institute of plant and animal ecology (Ekaterinburg, Russia)
SZMN – Siberian Zoological Museum (Novosibirsk, Russia)
ZISP – Zoological Institute of the Russian Academy of Science (ZIN, St.-Petersburg, Russia)
ZMMU – Zoological Museum of Moscow State University (Moscow, Russia)
ZMKU – Zoological Museum of Kurgan State University (Kurgan, Russia)

Annotated list of the fauna of Chrysomelidae of the Southern Ural

Family Chrysomelidae LATREILLE, 1802

Subfamily Donaciinae KIRBY, 1837

Genus *Donacia* FABRICIUS, 1775

Subgenus *Donacia (Donacia)* FABRICIUS, 1775

***D. (Donacia) aequidorsis* JACOBSON, 1894**

MIKHAILOV 1997a: 188; GUS'KOVA 2002: 10.

Distribution: Europe, Kazakhstan. Southern Ural: steppe zone.

Material: Chelyabinsk reg., Kartaly district, the river Karagaily-Aiyat, 2.07.1997, 5 ex.

***D. (Donacia) crassipes* FABRICIUS, 1775**

VORONCOWSKI 1922: 43; GUS'KOVA 1998: 105; 1999: 63; 2002: 9.

Distribution: Europe, southern parts of W and Middle Siberia, Kazakhstan. Southern Ural: forest, forest-steppe, steppe zone.

Material: Chelyabinsk reg., Kartaly district, the river Karagaily-Aiyat, 16-20.07.1998, 17 ex.; Chelyabinsk reg., Argayash district, lake Argayash, 13.08.1998, 13 ex.; Chelyabinsk reg., lake Turgoyak, 11.07.1999, 10 ex.

Subgenus *Donacia (Donaciella)* REITTER, 1920

***D. (Donaciella) cinerea* HERBST, 1784**

LAGUNOV & NOVOZHENOV, 1996: 65; GUS'KOVA 2002: 10.

Distribution: Europe, Caucasus, W Siberia, Middle Asia. Southern Ural: forest, forest-steppe zone.

Material: Chelyabinsk reg., Ilmensky Res., 27.07.69, 1 ex. in a collection of IPAE; Chelyabinsk reg., Uvelka district, the river Uvelka, 25.05.1996, 4 ex.

***D. (Donaciella) clavipes* FABRICIUS, 1793**

LAGUNOV & NOVOZHENOV, 1996: 65; GUS'KOVA 2002: 8.

Distribution: Europe, Middle Asia, W Siberia. Southern Ural: forest zone.

M a t e r i a l : Chelyabinsk reg., Bolshoi Kisegach, 4-11.06.1943, in a collection of ZISP, ZMMU and IPAE; Chelyabinsk reg., Bolshoe Miassovo, 8.07.1993, (Y u. E. Mikhailov), 1 ex. in a collection of IPAE; Bashkortostan, Bolshoi Iremel, 8.07.1999, 1 ex.

***D. (Donaciella) tomentosa* AHRENS, 1810**

GUS'KOVA 2002: 11.

D i s t r i b u t i o n : Europe, Caucasus, Middle Asia, W Siberia, Altai. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Katav-Ivanovsk district, coast of the river Tyulyuk, 21.07.1997, 5 ex.; Kurgan reg., coast of the river Tobol, 15.06.1999, 1 ex.

Subgenus *Donacia (Donaciomima)* L. MEDVEDEV, 1973

***D. (Donaciomima) aquatica* (LINNAEUS, 1758)**

VORONCOWSKI 1922: 45; GUS'KOVA 1998: 105; 2002: 10.

D i s t r i b u t i o n : Europe, Caucasus, Asia Minor, W and Middle Siberia, Amurland, Maritime Prov., S Sakhaline, N China. Southern Ural: forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., coast of river Miass, 12.07.1998, 5 ex.

***D. (Donaciomima) bicolora* ZSCHACH, 1788**

= *D. bicolora* auct.

VORONCOWSKI 1922: 46; GUS'KOVA 2002: 11.

D i s t r i b u t i o n : Europe, Caucasus, Middle Asia, W Siberia. Southern Ural: forest-steppe, steppe zone.

M a t e r i a l : Chelyabinsk reg., Kartaly district, the river Karagaily-Aiyat, 2-10.07.1997, 7 ex.; Kurgan reg., coast of the river Tobol, 5.06.1999, 9 ex.

***D. (Donaciomima) brevicornis* AHRENS, 1810**

ESYUNIN & KOZMINYH, 1992: 64; LAGUNOV & NOVOZHENOV, 1996: 64; GUS'KOVA 2002: 8.

D i s t r i b u t i o n : Europe, W Siberia, N Kazakhstan. Southern Ural: forest, forest-steppe, steppe zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., 18.07.1944, (V.N. Stepanov), 1 ex. in a collection of IPAE; Chelyabinsk reg., Bolshoi Kisegach, 18-29.07.1945, (V.N. Stepanov), 64 ex. in a collection of ZISP; Chelyabinsk reg., Uvelka district, the river Uvelka, 25.06.1997, 10 ex.

***D. (Donaciomima) dentata* HOPPE, 1795**

VORONCOWSKI, 1992: 43; GUS'KOVA 1999: 63; 2002: 8.

D i s t r i b u t i o n : Europe, Caucasus, Kazakhstan, W Siberia. Southern Ural: forest zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., Bolshoe Miassovo, 19-20.07.1981, 1 ex. in a collection of reserve; Chelyabinsk reg., lake Turgoyak, 11.07.1999, 3 ex.

***D. (Donaciomima) fennica* (PAYKULL, 1800)**

ESYUNIN & KOZMINYH, 1992: 64; LAGUNOV & NOVOZHENOV, 1996: 65; GUS'KOVA 2002: 8.

D i s t r i b u t i o n : E Europe, W and Middle Siberia, Central Yakutia. Southern Ural: forest, forest-steppe, steppe zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., Bolshoe Miassovo, 7.06.85, 2 ex. in a collection of reserve; 11.06.1943, (V.N. Stepanov), 1 ex. in a collection of IPAE; Chelyabinsk reg., coast of the river Birgildinka, 20.04.2005.

***D. (Donaciomima) impressa* PAYKULL, 1799**

LAGUNOV & NOVOZHENOV, 1996: 65; GUS'KOVA 2002: 9.

D i s t r i b u t i o n : Europe, Caucasus, Asia Minor, W and Middle Siberia, N Africa. Southern Ural: forest zone.

M a t e r i a l : Chelyabinsk reg., Bolshoi Kisegach, 29.07.1945, (V.N. Stepanov), 9 ex. in a collection of ZISP; Chelyabinsk reg., lake Turgoyak, 11.07.1999, 3 ex.

***D. (Donaciomima) malinovskii* AHRENS, 1810**

=*D. malinovskii* auct.

GUS'KOVA 2002: 11.

D i s t r i b u t i o n : Europe, Ural. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Uvelka district, of the river Kabanka, 10.06.1997, 5 ex.; Chelyabinsk reg., Katav-Ivanovsk district, coast of the river Tyulyuk, 25.07.1997, 3 ex.

***D. (Donaciomima) marginata* HOPPE, 1795**

GUS'KOVA 2002: 10.

D i s t r i b u t i o n : Europe, Caucasus, Middle Asia, southern parts of W Siberia, N Africa. Southern Ural: forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Uvelka district, the river Uvelka, 25.05.1996, 15 ex.; Chelyabinsk reg., coast of the river Miass, 2.07.1997, 10 ex.

***D. (Donaciomima) semicuprea* PANZER, 1796**

LAGUNOV & NOVOZHENOV, 1996: 65; GUS'KOVA 2002: 9.

D i s t r i b u t i o n : Europe, Middle Siberia. Southern Ural: forest zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., 11.05.1943, (V.N. Stepanov), 1 ex. in a collection of ZMMU; Chelyabinsk reg., coast of the river Miass, 19.07.1997, 7 ex.

***D. (Donaciomima) simplex* FABRICIUS, 1775**

GUS'KOVA 2002: 11.

D i s t r i b u t i o n : Europe, W Siberia, Altai, Mongolia. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Katav-Ivanovsk district, coast of the river Tyulyuk, 21.07.1997, 5 ex.; Kurgan reg., coast of the river Tobol, 15.06.1999, 1 ex.

***D. (Donaciomima) sparganii* AHRENS, 1810**

GUS'KOVA 2002: 11.

D i s t r i b u t i o n : Europe, W Siberia. Southern Ural: forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Chelyabinsk, coast of the river Miass, 15.06.1996, 11 ex.; Chelyabinsk reg., Argayash district, coast of the river Zyuzelga, 17.06.1998, 5 ex.

***D. (Donaciomima) thalassina* GERMAR, 1811**

LAGUNOV & NOVOZHENOV, 1996: 65; GUS'KOVA 2002: 9.

D i s t r i b u t i o n : Europe, N and C Kazakhstan, W and Middle Siberia. Southern Ural: forest zone.

M a t e r i a l : Chelyabinsk reg., Bolshoe Miassovo, 15.06.1982, 1 ex. in a collection of Ilmensky Res.

***D. (Donaciomima) versicolorea* (BRAHM, 1790)**

GUS'KOVA 2002: 10.

D i s t r i b u t i o n : Europe, W Siberia, Altai, Mongolia. Southern Ural: forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Uvelka district, the river Uvelka, 15.06.1996, 8 ex.; Chelyabinsk reg., the river Bishkil, 5.07.1997, 11 ex.

***D. (Donaciomima) vulgaris* ZSCHACH, 1788**

LAGUNOV & NOVOZHENOV, 1996: 65; GUS'KOVA 2002: 10.

D i s t r i b u t i o n : All of over Palaearctic. Southern Ural: forest zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., 14.07.1943, (V.N. Stepanov), 1 ex. in a collection of IPAE; Chelyabinsk reg., lake Kundravinskoe, 2.07.1996, 7 ex.

Genus *Macroplea* SAMOUELLE, 1819

(*Haemonia* DEJEAN, 1821)

***M. appendiculata* (PANZER, 1794)**

LAGUNOV & NOVOZHENOV, 1996: 65; GUS'KOVA 2002: 12.

D i s t r i b u t i o n : Europe, Kazakhstan, Middle Asia, W Siberia, Altai. Southern Ural: forest zone.

M a t e r i a l : Ilmensky Res., 20.06.1941, (V.N. Stepanov), 2 ex. in a collection of ZISP; Chebarcul district, lake Malyi Elanchik, 3.06.1999, 7 ex.

Genus *Plateumaris* C. G. THOMSON, 1866

***P. affinis* (KUNZE, 1818)**

GUS'KOVA 2002: 12.

D i s t r i b u t i o n : Europe, Middle Siberia, N Africa. Southern Ural: forest zone.

M a t e r i a l : Chelyabinsk reg., Chebarcul district, lake Elovoo, 22.06.1999, 3 ex.

***P. braccata* (SCOPOLI, 1772)**

= *P. nigra* FABRICIUS, 1792

LAGUNOV & NOVOZHENOV, 1996: 66; GUS'KOVA 2002: 12.

D i s t r i b u t i o n : Europe, Caucasus, Middle Asia, W Siberia. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Chebarcul district, the river Bishkil, 7.06.1999, 7 ex.; Kurgan reg., lake Medvezhie, 21.06.1999, 3 ex.

***P. discolor* (PANZER, 1794)**

LAGUNOV & NOVOZHENOV, 1996: 66; GUS'KOVA 2002: 12.

D i s t r i b u t i o n : Europe. Southern Ural: forest zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., 24.05.1958, 1 ex. in a collection of IPAE; Chelyabinsk reg., Chebarcul district, lake Elovoe, 22.06.1999, 18 ex.

***P. rustica* (KUNZE, 1818)**

DUBESHKO & MEDVEDEV, 1989: 67; GUS'KOVA 2002: 12.

D i s t r i b u t i o n : W Siberia. Southern Ural: forest zone.

M a t e r i a l : Chelyabinsk reg., Chebarcul district; lake Malyi Elanchik, 3.06.1999, 12 ex.

***P. sericea* (LINNAEUS, 1758)**

VORONCOWSKI 1922: 46; LAGUNOV & NOVOZHENOV, 1996: 66; GUS'KOVA 2002: 12.

D i s t r i b u t i o n : Europe, Kazakhstan, W and Middle Siberia. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., 28.05.1956, (V.N. Stepanov), 1 ex. in a collection of IPAE; Chelyabinsk reg., Uvelka district, coast of the river Kabanka, 11.06.1997, 13 ex.

Subfamily *O r s o d a c n i n a e* J. THOMSON, 1866

Genus *O r s o d a c n e* LATREILLE, 1802

***O. cerasi* (LINNAEUS, 1758)**

LAGUNOV & NOVOZHENOV, 1996: 66; GUS'KOVA, 1999: 64; 2002: 13.

D i s t r i b u t i o n : Europe, Caucasus, W Siberia, Altai, Sayan. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Chebarcul district, Kisegach, 16.06.1998, 13 ex.

Subfamily *S y n e t i n a e* EDWARDS, 1953

Genus *S y n e t a* LACORDAIRE, 1845

***S. betulae* (FABRICIUS, 1792)**

LAGUNOV & NOVOZHENOV, 1996: 66; GUS'KOVA 2002: 13.

D i s t r i b u t i o n : N Europe, W Siberia, Altai, Sayan, Middle Siberia, Mongolia. Southern Ural: forest zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., 19.06.1986, 1 ex. in a collection of reserve; Chelyabinsk reg., Katav-Ivanovsk district, Tyulyuk, 8.07.1999, 1 ex.

Subfamily Zeugophorinae CHÜJÖ, 1952

Genus Zeugophora KUNZE, 1818

Subgenus Zeugophora (Zeugophora) KUNZE, 1818

***Z. (Zeugophora) subspinosa* (FABRICIUS, 1781)**

GUS'KOVA 2002: 16.

Distribution: Europe, Caucasus, Kazakhstan, W and Middle Siberia, Maritime Prov., Southern Ural: forest zone.

Material: Chelyabinsk reg., Katav-Ivanovsk district, Tyulyuk, 21.07.1997, 2 ex., 10.06.1998, 1 ex.

***Z. (Zeugophora) turneri* POWER, 1863**

GUS'KOVA 2002: 16.

Distribution: Europe, W Siberia, Sayan, Transbaikalia. Southern Ural: forest zone.

Material: Chelyabinsk reg., Katav-Ivanovsk district, Pervuha, 3.07.1998, 3 ex.

Subfamily Criocerinae LATREILLE, 1807

Genus Lilioceris REITTER, 1912

***L. lili* (SCOPOLI, 1763)**

VORONCOWSKI, 1922: 47; LAGUNOV & NOVOZHENOV, 1996: 66; PAVLOV, 1998: 257; GUS'KOVA 2002: 14.

Distribution: Europe, Siberia, China, Japan, Mongolia. Southern Ural: forest, forest-steppe zone.

Material: Kurgan reg., Uval, 1.05.1997, 16.06.1997, in a collection of ZMKU; Chelyabinsk reg., Chebarcul district, Kisegach, 16.06.1998, 3 ex.

***L. merdigera* (LINNAEUS, 1758)**

VORONCOWSKI, 1992: 47; LAGUNOV & NOVOZHENOV, 1996: 66; PAVLOV, 1998: 257; UTKIN, 1999: 111; GUS'KOVA 2002: 14.

Distribution: Europe, Kazakhstan, Siberia, N China, Korea, Japan, N Mongolia. Southern Ural: forest, forest-steppe zone.

Material: Kurgan reg., Kurgan, 8.06.1994, 11.05.1997, in a collection of ZMKU; Chelyabinsk reg., Chelyabinsk, 29.05.1996, 5 ex., 5.06.1997, 7ex.; Chelyabinsk reg., Chebarcul district, Kisegach, 15-20.06.1998, 10 ex.

Genus Crioceris GEOFFROY, 1762

***C. asparagi* (LINNAEUS, 1758)**

GUS'KOVA 2002: 16.

Distribution: Europe. Southern Ural: steppe zone.

Material: Chelyabinsk reg., Bredy district, village Morozovka, 25.07.1996, 3 ex.

***C. duodecimpunctata* (LINNAEUS, 1758)**

VORONCOWSKI, 1922: 47; ESYUNIN & KOZMINYH, 1992: 64; UTKIN, 1999: 110; GUS'KOVA 2002: 16.

D i s t r i b u t i o n : Europe, Kazakhstan, Middle Asia, southern parts of W Siberia, Mongolia. Southern Ural: forest-steppe, steppe zone.

M a t e r i a l : Chelyabinsk reg., Varna district, village Alekseevka, 21.07.1996, 3 ex.; Kartaly district, village Varshavka, 12.07.1997

***C. quatuordecimpunctata* (SCOPOLI, 1763)**

JACOBSON, 1897: 431; VORONCOWSKI, 1922: 47; ESYUNIN & KOZMINYH, 1992: 64; GUS'KOVA, 1998: 105; 2002: 14; UTKIN, 1999: 110.

D i s t r i b u t i o n : Europe, Caucasus, Kazakhstan, W Siberia, Mongolia. Southern Ural: forest-steppe, steppe zone.

M a t e r i a l : Chelyabinsk reg., Uvelka district, village Kamenka, 10.06.1996, 6 ex.; Chelyabinsk reg., Kartaly district, village Elizavetpolskoe, 5-11.07.1996, 3 ex., 8-11.07.1997, 8 ex.

***C. quinquepunctata* (SCOPOLI, 1763)**

JACOBSON, 1897: 431; ESYUNIN & KOZMINYH, 1992: 64; GUS'KOVA 2002: 16.

D i s t r i b u t i o n : Europe, Caucasus, W Siberia. Southern Ural: steppe zone.

M a t e r i a l : Chelyabinsk reg., Kartaly district, village Elizavetpolskoe, 5-11.07.1996, 7 ex.

Genus *Oulema* DES GOZIS, 1886

***O. erichsonii* (SUFFRIAN, 1841)**

= *O. septentrionalis* WEISE, 1880

= *O. sapporensis* MATSUMURA, 1911

JACOBSON, 1897: 431; LAGUNOV & NOVOZHENOV, 1996: 66; PAVLOV, 1998: 257; UTKIN, 1999: 111; GUS'KOVA 2002: 14.

D i s t r i b u t i o n : Europe, Caucasus, W and Middle Siberia, Yakutia, Amurland, Maritime Prov., Sakhaline, Kurile Is., Mongolia, Japan. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Kurgan reg., Kurgan, 14.06.1963, (Kovalev), in a collection of ZMMU; Kurgan reg., village Paderinskoe, 30.06.1995, in a collection of ZMKU; Chelyabinsk reg., Chebarcul district, Kisekach, 17.06.1998, 11 ex.

***O. gallaeciana* (HEYDEN, 1870)**

= *O. lichenis* VOËT, 1806

GUS'KOVA 2002: 15.

D i s t r i b u t i o n : Europe, Caucasus, W and Middle Siberia, Altai, Yakutia, Maritime Prov., Kamchatka, Sakhaline, Mongolia. Southern Ural: forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., 22.05.1943, (V.N. Stepanov), 1 ex. in a collection of ZMMU; Chelyabinsk reg., Uvelka district, village Duvankul, 7.06.1997, 16 ex.

***O. melanopus* (LINNAEUS, 1758)**

ESYUNIN & KOZMINYH, 1992: 66; UTKIN, 1993: 134; 1999: 111; GUS'KOVA, 1998: 105; 2002: 15; PAVLOV, 1998: 257.

D i s t r i b u t i o n : Europe, Caucasus, W and Middle Siberia, Altai, Yakutia, N Africa, Iran, Afghanistan, Mongolia. Southern Ural: forest-steppe, steppe zone.

M a t e r i a l : Kurgan reg., Kurgan, coast of the river Tobol, 29.05.1993, in a collection of ZMKU; Chelyabinsk reg., Kartaly district, village Varshavka, 10.07.1996, 7 ex.; Chelyabinsk reg., Argayash district, village Kuzneckoe, 7-11.06.1998, 35 ex.; 10-15.06.1999, 15 ex.

***O. tristis* (HERBST, 1786)**

LAGUNOV & NOVOZHENOV, 1996: 66; PAVLOV, 1998: 257; GUS'KOVA 2002: 15.

D i s t r i b u t i o n : Europe, Caucasus, Middle Asia, W Siberia, Mongolia, N China, Korea, Japan. Southern Ural: forest, forest-steppe, steppe zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., 31.07.1983, 1 ex., 16.06.1984, 1 ex. in a collection of reserve; Chelyabinsk reg., Kartaly district, village Varshavka, 13.07.1996, 2 ex., 18.07.1997, 1 ex.; Chelyabinsk reg., Uvelka district, village Uvelka, 15.06.97, 3 ex.

Genus *Lema* FABRICIUS, 1798

Subgenus *Lema* (*Lema*) FABRICIUS, 1798

***L. (Lema) cyanella* (LINNAEUS, 1758)**

= *L. puncticollis* CURTIS, 1830

= *L. cirsicola* CHUJO, 1959

JACOBSON, 1897: 431; ESYUNIN & KOZMINYH, 1992: 64; LAGUNOV & NOVOZHENOV, 1996: 66; GUS'KOVA, 1998: 105; 2002: 19; PAVLOV, 1998: 257; UTKIN, 1999: 111.

D i s t r i b u t i o n : Europe, Kazakhstan, Siberia, Korea, Japan. Southern Ural: forest, forest-steppe, steppe zone.

M a t e r i a l : Kurgan reg., Kurgan, coast of the river Tobol, 01.07.1992, in a collection of ZMKU; Chelyabinsk reg., Chebarcul district, Kisekach, 3-10.06.1997, 7 ex.; Chelyabinsk reg., Uvelka district, village Kishigino, 19.06.1997, 13 ex.

Subfamily *Clytrinae* KIRBY, 1837

Genus *Labidostomis* GERMAR, 1822

Subgenus *Labidostomis* (*Labidostomis*) GERMAR, 1822

***L. (Labidostomis) cyanicornis* GERMAR, 1822**

ESYUNIN & KOZMINYH, 1992: 64; GUS'KOVA 2002: 19.

D i s t r i b u t i o n : Europe, Caucasus, Kazakhstan, southern parts of Siberia. Southern Ural: forest-steppe, steppe zone.

M a t e r i a l : Chelyabinsk reg., Troick district, village Berezniki, 30.07.1996, 5 ex.; Chelyabinsk reg., Argayash district, village Kuzneckoe, 17.06.1998, 9 ex.

***L. (Labidostomis) humeralis* (SCHNEIDER, 1792)**

LAGUNOV & NOVOZHENOV, 1996: 67; GUS'KOVA 2002: 19.

Distribution: Europe. Southern Ural: forest zone.

Material: Chelyabinsk reg., Ilmensky Res., 20.06.1976, 1 ex. in a collection of reserve; Chelyabinsk reg., Chebarcul district, Kisegach, 5.06.1997, 7 ex.

***L. (Labidostomis) longimana* (LINNAEUS, 1761)**

JACOBSON, 1897: 431; LAGUNOV & NOVOZHENOV, 1996: 67; GUS'KOVA, 1998: 105; 1999: 64; 2002: 18.

Distribution: Europe, Kazakhstan, southern parts of Siberia, N Mongolia. Southern Ural: forest, forest-steppe, steppe zone.

Material: Chelyabinsk reg., Ilmensky Res., 23.06.1944, (V.N. Stepanov), 1 ex. in a collection of IPAE, 21.06.1957, 2 ex. in a collection of IPAE, 13.07.1981, 1 ex. in a collection of reserve; Chelyabinsk reg., Kartaly district, village Varshavka, 12.07.1997, 11 ex.

***L. (Labidostomis) lucida axillaris* (LACORDAIRE, 1848)**

= *L. lucida sareptana* KRAATZ, 1872

ESYUNIN & KOZMINYH, 1992: 64; GUS'KOVA 2002: 19.

Distribution: Europe. Altai, southern parts of Siberia. Southern Ural: steppe zone.

Material: Chelyabinsk reg., Kartaly district, village Varshavka, 12.07.1997, 6 ex.; Chelyabinsk reg., Verhneuralsk district, valley of the river Kizil, 19.06.2005, 5 ex.

***L. (Labidostomis) sibirica* (GERMAR, 1824)**

LAGUNOV & NOVOZHENOV, 1996: 67; GUS'KOVA 2002: 18.

Distribution: Altai, Sayan, Transbaikalia, E Kazakhstan. Southern Ural: forest-steppe, steppe zone.

Material: Chelyabinsk reg., Miass, coast of the lake Turgoyak, 1.06.1987, 7 ex. in a collection of Ilmensky Res.; Chelyabinsk reg., Uvelka district, village Hutorka, 13.06.1996, 3 ex.; Chelyabinsk reg., Kartaly district, village Varshavka, 12.07.1997, 3 ex.

***L. (Labidostomis) tridentata* (LINNAEUS, 1758)**

VORONCOWSKI, 1922: 47; LAGUNOV & NOVOZHENOV, 1996: 67; GUS'KOVA 2002: 19.

Distribution: Europe, Altai, Siberia, Mongolia. Southern Ural: forest, forest-steppe zone.

Material: Chelyabinsk reg., Ilmensky Res., 6.06.1957, 1 ex. in a collection of IPAE; 17.06.1984, 1 ex. in a collection of reserve; Kurgan reg., Petuhovo, 17.06.1999, 5 ex. (R.V. Filimonov).

Genus *Clytra* LAICHARTING, 1781

Subgenus *Clytra* (*Clytraria*) SEMENOV, 1903

***C. (Clytraria) atraphaxidis* (PALLAS, 1773)**

VORONCOWSKI, 1922: 47; MIKHAILOV, 1997b: 69; GUS'KOVA 2002: 17.

Distribution: S Europe, Caucasus, Kazakhstan, W Altais. Southern Ural: steppe zone.

Material: Chelyabinsk reg., Kartaly district, village Varshavka, 12.07.1997, 1 ex.

Subgenus *Clytra* (*Clytra*) LAICHARTING, 1781

***C. (Clytra) laeviuscula* (RATZEBURG, 1837)**

JACOBSON, 1897: 431; VORONCOWSKI, 1922: 47; PAVLOV, 1998: 257; UTKIN, 1999: 116; GUS'KOVA 2002: 17.

Distribution: Europe, Kazakhstan, W China, Mongolia. Southern Ural: forest-steppe zone.

Material: Kurgan reg., Kurgan, 6.07.1994, in a collection of ZMKU; Chelyabinsk reg., Argayash district, village Kuzneckoe 26.05.1999, 14 ex.

***C. (Clytra) quadripunctata* (LINNAEUS, 1758)**

ESYUNIN & KOZMINYH, 1992: 64; LAGUNOV & NOVOZHENOV, 1996: 66; PAVLOV, 1998: 257; GUS'KOVA, 1999: 64; 2002: 17; UTKIN, 1999: 116.

Distribution: Europe, Caucasus, Asia Minor, Middle Asia, Kazakhstan, W and Middle Siberia, Altais, Amurland, Mongolia. Southern Ural: forest, forest-steppe, steppe zone.

Material: Kurgan reg., Kurgan, 27.05.92, 26.05.1994, in a collection of ZMKU; Chelyabinsk reg., Troick district, coast of the river Ui, 25.07.1997, 13 ex.; Chelyabinsk reg., Chebarkul district, Kisegach, 15.06.1999, 17 ex.

Genus *Smaragdina* CHEVROLAT in DEJEAN, 1837

Subgenus *Smaragdina* (*Monrosiana*) L. MEDVEDEV, 1992

***S. (Monrosiana) flavicollis* (CHARPENTIER, 1825)**

LAGUNOV & NOVOZHENOV, 1996: 67; GUS'KOVA 2002: 19.

Distribution: Europe. Southern Ural: forest, forest-steppe zone.

Material: Chelyabinsk reg., Ilmensky Res., 21.06.1957, 1 ex. in a collection of IPAE; Chelyabinsk reg., Uvelka district, village Homutinino, 14.06.1997, 9 ex.

Genus *Cheilotoma* CHEVROLAT in DEJEAN, 1837

(*Chilotoma* LACORDAIRE, 1848)

Subgenus *Cheilotoma* (*Cheilotoma*) CHEVROLAT in DEJEAN, 1837

***Ch. (Cheilotoma) musciformis* (GOEZE, 1777)**

LAGUNOV & NOVOZHENOV, 1996: 66; MIKHAILOV, 1997a: 188; GUS'KOVA, 1999: 64; 2002: 19.

Distribution: Europe, Caucasus, N Kazakhstan, Altais, Sayan, Transbaikalia. Southern Ural: forest zone.

Material: Chelyabinsk reg., Ilmensky Res., mountain Lysaya, 9.07.1984, 2 ex. in a collection of reserve; Chelyabinsk reg., Chebarkul district, Kisegach, 15.06.1999, 4 ex.

Genus *Coptocephala* CHEVROLAT in DEJEAN, 1837

Subgenus *Coptocephala* (*Coptocephala*) CHEVROLAT in DEJEAN, 1837

***C. (Coptocephala) rubicunda rossica* LEV MEDVEDEV, 1968**

LAGUNOV & NOVOZHENOV, 1996: 66; GUS'KOVA 2002: 17.

Distribution: Altai, Tuva, W and Middle Siberia, Transcaucasus, Kazakhstan. Southern Ural: forest-steppe, steppe zone.

Material: Chelyabinsk reg., Ilmensky Res., 25.05.1974, 1 ex. in a collection of IPAE.

***C. (Coptocephala) unifasciata* SCOPOLI, 1763**

JACOBSON, 1897: 431; ESYUNIN & KOZMINYH, 1992: 64; LAGUNOV & NOVOZHENOV, 1996: 67; PAVLOV, 1998: 258; GUS'KOVA 1998: 105; 2002: 18; UTKIN, 1999: 116.

Distribution: Europe. Caucasus, Kazakhstan, W Siberia, Sayan, Transbaikalia. Southern Ural: forest, forest-steppe, steppe zone.

Material: Chelyabinsk reg., Ilmensky Res., 8.07.1983, 5 ex. in a collection of reserve; Kurgan reg., village Shumlyak, 14.07.1990, in a collection of ZMKU; Chelyabinsk reg., Kartaly district, village Elizavetpolskoe, 7-10.07.1996, 19 ex.; 3-19.07.1997, 15 ex.

Subfamily *Cryptocephalinae* GYLLENHAL, 1813

Genus *Cryptocephalus* GEOFFROY, 1762

Subgenus *Cryptocephalus* (*Protophysus*) CHEVROLAT in DEJEAN, 1837

***Cr. (Protophysus) schaefferi* SCHRANK, 1789**

MIKHAILOV, 1997a: 188; GUS'KOVA 2002: 25.

Distribution: S Europe, Caucasus, Kazakhstan, Altai. Tuva, Sayan, Transbaikalia, S Yakutia. Southern Ural: forest-steppe, steppe zone.

Material: Kurgan reg., lake Medvezhe, 17.06.1999, 1 ex. (R.V. Filimonov); Chelyabinsk reg., Verhneuralsk district, valley of the river Kizil, 19.06.2005, 2 ex. (N.A. Rezchikova)

Subgenus *Cryptocephalus* (*Disopus*) CHEVROLAT in DEJEAN, 1837

***Cr. (Disopus) pini* (LINNAEUS, 1758)**

JACOBSON, 1897: 432; GUS'KOVA 2002: 23.

Distribution: Europe, Caucasus, W Siberia. Southern Ural: forest, forest-steppe zone.

Material: Chelyabinsk reg., Chebarcul district, Kisegach, 16.06.1996, 2 ex.; Chelyabinsk reg., Chelyabinsk, pine wood, 25.08.1999, 3 ex.

Subgenus *Cryptocephalus* (*Asionus*) LOPATIN, 1988

***Cr. (Asionus) apicalis* GEBLER, 1850**

ESYUNIN & KOZMINYH, 1992: 64; MIKHAILOV, 1997a: 188; GUS'KOVA 2002: 23.

Distribution: S Europe, Caucasus, Kazakhstan, southern parts of W and Middle Siberia, Altai. Southern Ural: steppe zone.

M a t e r i a l : Chelyabinsk reg., Kartaly district, village Varshavka, 16-20.07.1996, 21 ex.

***Cr. (Asionus) bohemi*us DRAPIEZ, 1819**

GUS'KOVA 2002: 23.

D i s t r i b u t i o n : S Europe, Kazakhstan, southern parts of W Siberia. Southern Ural: steppe zone.

M a t e r i a l : Chelyabinsk reg., Kartaly district, village Varshavka, 16.07.1996, 5 ex.; Chelyabinsk reg., Troick district, village Berezniki, 30.07.1996, 2 ex.

***Cr. (Asionus) flavicollis* FABRICIUS, 1781**

MIKHAILOV, 1997b: 69; 1997a: 188; GUS'KOVA 2002: 26.

D i s t r i b u t i o n : Europe, Kazakhstan. Southern Ural: steppe zone.

M a t e r i a l : Chelyabinsk reg., Kartaly district, village Varshavka, 17.07.1996, 4 ex.

***Cr. (Asionus) flexuosus* KRYNICKI, 1834**

MIKHAILOV, 1997a: 188; GUS'KOVA 2002: 24.

D i s t r i b u t i o n : S Europe, Altai, Kazakhstan. Southern Ural: steppe zone.

M a t e r i a l : Chelyabinsk reg., Kartaly district, village Elizavetpolskoe, 5-19.07.1996, 13 ex.

***Cr. (Asionus) gamma* HERRICH-SCHÄFFER, 1829**

DUBESHO & MEDVEDEV, 1989: 91; ESYUNIN & KOZMINYH, 1992: 64; MIKHAILOV, 1997b: 69; 1997a: 188; GUS'KOVA 2002: 22.

D i s t r i b u t i o n : S Europe, Caucasus, Kazakhstan, W Siberia. Southern Ural: steppe zone.

M a t e r i a l : Chelyabinsk reg., Kartaly district, village Varshavka, 3-15.07.1996, 21 ex., 3-14.07.1997, 15 ex.

***Cr. (Asionus) quatuordecimmaculatus* D. H. SCHNEIDER, 1792**

BIENKOWSKI, 2004: 31.

D i s t r i b u t i o n : C and SE Europe, Asia Minor. Southern Ural: forest-steppe zone.

M a t e r i a l : Bashkortostan, Aksenovo.

Subgenus *Cryptocephalus* (*Cryptocephalus*) GEOFFROY, 1762

***Cr. (Cryptocephalus) anticus* SUFFRIAN, 1848**

= *Cr. octacosmus* BEDEL, 1891

ESYUNIN & KOZMINYH, 1992: 64; PAVLOV, 1998: 258; GUS'KOVA, 1998: 105; 2002: 22; UTKIN, 1999: 117.

D i s t r i b u t i o n : Middle and S Europe, Caucasus, S Siberia, Kazakhstan, NW China. Southern Ural: forest-steppe, steppe zone.

M a t e r i a l : Kurgan reg., Kurgan, 1.07.1992, 2-6.06.1995, in a collection of ZMKU; Chelyabinsk reg., Troick district, village Berezniki, 30.07.1996, 18 ex.

***Cr. (Cryptocephalus) aureolus* SUFFRIAN, 1847**

JACOBSON, 1897: 431; ESYUNIN & KOZMINYH, 1992: 64; LAGUNOV & NOVOZHENOV, 1996: 67; GUS'KOVA 2002: 26.

D i s t r i b u t i o n : Europe, Caucasus, N Kazakhstan, W Siberia. Southern Ural: forest, forest-steppe, steppe zone.

M a t e r i a l : Chelyabinsk reg., Bredy district, village Morozovka, 27.07.1996, 19 ex.; Chelyabinsk reg., Miass, 11.06.1997, 14 ex.

***Cr. (Cryptocephalus) biguttatus* (SCOPOLI, 1763)**

JACOBSON, 1897: 431; LAGUNOV & NOVOZHENOV, 1996: 67; GUS'KOVA 2002: 26.

D i s t r i b u t i o n : Europe, southern parts of W Siberia, Altai. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., 25.06.1994, (V.N. Stepanov) in a collection of ZMMU; Chelyabinsk reg., Uvelka district, village Uvelka, 6.06.1996, 5 ex.

***Cr. (Cryptocephalus) bipunctatus* (LINNAEUS, 1758)**

JACOBSON, 1897: 431; VORONCOWSKI, 1922: 48; ESYUNIN & KOZMINYH, 1992: 64; LAGUNOV & NOVOZHENOV, 1996: 67; PAVLOV, 1998: 258; GUS'KOVA, 1999: 64; 2002: 27; UTKIN, 1999: 117.

D i s t r i b u t i o n : Europe, Caucasus, Kazakhstan, W Siberia, Altai, Sayan. Southern Ural: forest, forest-steppe, steppe zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., 5.06.1944, (V.N. Stepanov), 1 ex in a collection of ZMMU; Bashkortostan, Sterlitamak, 30.05.1935, (A. Kamensky), 1 ex. in a collection of ZMMU; Chelyabinsk reg., Kartaly district, village Varshavka, 16.07.1996, 15 ex.

***Cr. (Cryptocephalus) caerulescens* SAHLBERG, 1839**

= *Cr. coerulescens* auct.

LAGUNOV & NOVOZHENOV, 1996: 67; GUS'KOVA 2002: 25.

D i s t r i b u t i o n : Europe, Caucasus, W Siberia, Amurland, Maritime Prov., S Sakhaline, E Mongolia. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Chebarcul district, Kisegach, 11.06.1997, 13 ex.; Chelyabinsk reg., Kopeisk, 13.06.1998, 17 ex.

***Cr. (Cryptocephalus) cordiger* (LINNAEUS, 1758)**

ESYUNIN & KOZMINYH, 1992: 64; LAGUNOV & NOVOZHENOV, 1996: 67; PAVLOV, 1998: 258; UTKIN, 1999: 117; GUS'KOVA 2002: 27.

D i s t r i b u t i o n : Europe, W Siberia, Altai, Tuva, Sayan, S and Middle Yakutia, Mongolia. Southern Ural: forest, forest-steppe, steppe zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., 11.06.1944, (V.N. Stepanov), 1 ex. in a collection of IPAE; Kurgan reg., Kurgan, 31.05.1991, in a collection of ZMKU; Chelyabinsk reg., Kartaly district, village Varshavka, 5-20.07.1996, 12 ex.; Chelyabinsk reg., Argayash district, 5.06.1998, 5 ex.

***Cr. (Cryptocephalus) coryli* (LINNAEUS, 1758)**

LAGUNOV & NOVOZHENOV, 1996: 68; GUS'KOVA 2002: 27.

Distribution: Europe, W Siberia, Altai, Tuva, Sayan, Yakutia, Maritime Prov., Amurland, Sakhaline, Mongolia. Southern Ural: forest, forest-steppe zone.

Material: Chelyabinsk reg., Ilmensky Res., (17.06.1957, 28.07.1971), 2 ex. in a collection of IPAE, 2.07.1981, 1 ex. in a collection of reserve; Chelyabinsk reg., Argayash district, village Kuzneckoe, 5.06.1998, 3 ex.

Cr. (Cryptocephalus) decemmaculatus (LINNAEUS, 1758)

Distribution: Europe. Southern Ural: forest-steppe zone.

Material: Chelyabinsk reg., Syrostan, 10.06.1999, 1 ex.

Cr. (Cryptocephalus) distinguendus SCHNEIDER, 1792

LAGUNOV & NOVOZHENOV, 1996: 68; GUS'KOVA 2002: 27.

Distribution: Europe, Kazakhstan, Altai, W and Middle Siberia, Tuva, Yakutia, Kamchatka, Mongolia. Southern Ural: forest, forest-steppe zone.

Material: Chelyabinsk reg., Ilmensky Res., 20.05.1944, (V.N. Stepanov), 1 ex. in a collection of ZMMU, 17.05.1957, 6.06.1957, 2 ex. in a collection of IPAE; Chelyabinsk reg., Uvelka district, village Uvelka, 15.06.1997, 7 ex.

Cr. (Cryptocephalus) elongatus GERMAR, 1824

MIKHAILOV, 1997b: 69; 1997a: 188; GUS'KOVA 2002: 25.

Distribution: S Europe, Kazakhstan, southern parts of W Siberia, Altai, Sayan, Middle and S Yakutia, Mongolia. Southern Ural: steppe zone.

Material: Chelyabinsk reg., Kartaly district, village Varshavka, 16-20.07.1996, 13 ex.

Cr. (Cryptocephalus) flavipes FABRICIUS, 1781

JACOBSON, 1897: 431; VORONCOWSKI, 1922: 47; ESYUNIN & KOZMINYH, 1992: 64; LAGUNOV & NOVOZHENOV, 1996: 68; PAVLOV, 1998: 258; UTKIN, 1999: 117; GUS'KOVA 2002: 20.

Distribution: Europe, Caucasus, W Siberia, Altai, Sayan, Transbaikalia, Kamchatka. Southern Ural: forest, forest-steppe, steppe zone.

Material: Chelyabinsk reg., Ilmensky Res., 4.06.1945, (V.N. Stepanov), 1 ex. in a collection of ZMMU; Kurgan reg., Kurgan, coast of the river Tobol, 12.05.1992, in a collection of ZMKU; Chelyabinsk reg., Kartaly district, village Varshavka, 17.07.1996, 5 ex.; Chelyabinsk reg., Uvelka district, village Uvelka, 13.06.1997, 13 ex.

Cr. (Cryptocephalus) hypochoeridis (LINNAEUS, 1758)

=*Cr. cristula* DUFOR, 1825

JACOBSON, 1897: 431; LAGUNOV & NOVOZHENOV, 1996: 68; GUS'KOVA 2002: 20.

Distribution: Europe, W Siberia, Kazakhstan. Southern Ural: forest zone.

Material: Chelyabinsk reg., Chebarcul district, Kisegach, 10.06.1998, 7 ex., 17.06.1999, 5 ex.

Cr. (Cryptocephalus) krutovskii (JACOBSON, 1900)

MIKHAILOV, 1997b: 70; GUS'KOVA 2002: 25.

Distribution: C and E Altai, Tuva, Sayan, Transbaikalia, Mongolia. Southern Ural: forest zone.

Material: Chelyabinsk reg., Nurgush, mountain tundra, 28.06.1987, (A.V. Lagunov), 1 ex. in a collection of IPAE; Bashkortostan, Bolshoi Iremel, 28.05.2005, 6 ex.

Cr. (Cryptocephalus) laetus FABRICIUS, 1792

ESYUNIN & KOZMINYH, 1992: 64; PAVLOV, 1998: 258; GUS'KOVA, 1999: 64; 2002: 22; UTKIN, 1999: 117.

Distribution: Europe, Caucasus, Kazakhstan, W Siberia, Altai. Southern Ural: forest-steppe, steppe zone.

Material: Chelyabinsk reg., Kartaly district, village Varshavka, 3-15.07.1996, 17 ex.; Kurgan reg., village Temlyakovo, 10.07.1997, in a collection of ZMKU.

Cr. (Cryptocephalus) laevicollis GEBLER, 1830

ESYUNIN & KOZMINYH, 1992: 64; GUS'KOVA 2002: 24.

Distribution: S Europe, Kazakhstan, southern parts of W Siberia, Altai. Southern Ural: forest-steppe, steppe zone.

Material: Chelyabinsk reg., Uvelka district, village Kichigino, 14.06.1996, 7 ex.; Chelyabinsk reg., Troick district, village Berezniki, 30.07.1996, 5 ex.

Cr. (Cryptocephalus) moraei (LINNAEUS, 1758)

GUS'KOVA 2002: 24.

Distribution: Europe, Caucasus, Kazakhstan, southern parts of W Siberia, Altai. Southern Ural: forest, forest-steppe, steppe zone.

Material: Chelyabinsk reg., Bredy district, village Morozovka, 27.07.1996, 3 ex.; Chelyabinsk reg., Uvelka district, village Uvelka, 25.06.1997, 5 ex.; Chelyabinsk reg., Katav-Ivanovsk district, Tyulyuk, 1.07.1998, 6 ex.

Cr. (Cryptocephalus) nitidulus FABRICIUS, 1787

LAGUNOV & NOVOZHENOV, 1996: 68; GUS'KOVA, 1999: 64; 2002: 24.

Distribution: Europe, Caucasus, W Siberia, Altai. Southern Ural: forest zone.

Material: Chelyabinsk reg., Chebarcul district, Kisegach, 5-11.6.1998, 11 ex., 10-20.06.1999, 13 ex.

Cr. (Cryptocephalus) octopunctatus (SCOPOLI, 1763)

JACOBSON, 1897: 431; VORONCOWSKI, 1922: 47; LAGUNOV & NOVOZHENOV, 1996: 68; PAVLOV, 1998: 258; UTKIN, 1999: 117; GUS'KOVA 2002: 21.

Distribution: Europe, W Siberia. Southern Ural: forest, forest-steppe zone.

Material: Chelyabinsk reg., Ilmensky Res., 18.06.58, 1 ex., 11.07.1964, 1 ex. in a collection of IPAE, 21.06.1983, 2 ex. in a collection of reserve; Kurgan reg., Kurgan, 15.06.1993, in a collection of ZMKU; Chelyabinsk reg., Argayash district, village Agbashevo, 3.06.1998, 8 ex., village Kuzneckoe, 5.06.1998, 10 ex.

***Cr. (Cryptocephalus) parvulus* MÜLLER, 1776**

= *Cr. obliquostratus* MOTSCHULSKY, 1866

= *Cr. permolestus* BALY, 1873

= *Cr. inurbanus* HAROLD, 1874

GUS'KOVA 2002: 23.

D i s t r i b u t i o n : Europe, W Siberia, Sayan, Transbaikalia, Amurland, Maritime Prov., Sakhaline, Japan, Mongolia. Southern Ural: forest zone.

M a t e r i a l : Chelyabinsk reg., Uvelka district, village Kichigino, 14.06.1996, 5 ex.; Chelyabinsk reg., Katav-Ivanovsk district, Tyulyuk, 25.07.1997, 5 ex.

***Cr. (Cryptocephalus) punctiger* PAYKULL, 1799**

GUS'KOVA 2002: 23.

D i s t r i b u t i o n : Europe, W Siberia, Tuva, Sayan. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Katav-Ivanovsk district, Tyulyuk, 25.07.1997, 5 ex.; Chelyabinsk reg., Argayash district, village Kuzneckoe, 1.07.1998, 3 ex.

***Cr. (Cryptocephalus) quadriguttatus* RICHTER, 1820**

JACOBSON, 1897: 431; ESYUNIN & KOZMINYH, 1992: 64; LAGUNOV & NOVOZHENOV, 1996: 68; PAVLOV, 1998: 258; UTKIN, 1999: 116; GUS'KOVA 2002: 21.

D i s t r i b u t i o n : Europe, Caucasus, N Kazakhstan, W Siberia, Altai, Tuva, Mongolia. Southern Ural: forest, forest-steppe, steppe zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., 29.06.1981, 13.07.1981, 2.07.1984, in a collection of reserve; Kurgan reg., Kurgan, 30.06.1992, in a collection of ZMKU; Chelyabinsk reg., Kartaly district, village Elizavetpolskoe, 6-15.07.1996, 21 ex.

***Cr. (Cryptocephalus) quadripustulatus* GYLLENHAL, 1813**

GUS'KOVA 2002: 25.

D i s t r i b u t i o n : Europe, Caucasus, W and Middle Siberia. Southern Ural: forest zone.

M a t e r i a l : Chelyabinsk reg., Katav-Ivanovsk district, Tyulyuk, 21.07.1997, 10 ex.

***Cr. (Cryptocephalus) quinquepunctatus* (SCOPOLI, 1763)**

= *Cr. signatus* LAICHARTING, 1781

VORONCOWSKI, 1922: 47; SHAPIRO & MEDVEDEV, 1965: 144; LAGUNOV & NOVOZHENOV, 1996: 68; GUS'KOVA 2002: 23.

D i s t r i b u t i o n : Europe. Southern Ural: forest zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., (20.07.1957, 8.06.1958, 12.06.1958), 3 ex. in a collection of IPAE; Chelyabinsk reg., Chebarkul district, Kisegach, 14.06.1998, 3 ex.

***Cr. (Cryptocephalus) sericeus* (LINNAEUS, 1758)**

JACOBSON, 1897: 431; ESYUNIN & KOZMINYH, 1992: 64; LAGUNOV & NOVOZHENOV, 1996: 68; PAVLOV, 1998: 258; GUS'KOVA, 1998: 105; 1999: 64; 2002: 21; UTKIN, 1999: 117.

D i s t r i b u t i o n : Europe, Kazakhstan, W Siberia, Altai, Mongolia. Southern Ural: forest, forest-steppe, steppe zone.

M a t e r i a l : Chelyabinsk reg., Kartaly district, village Varshavka, 3-15.07.96, 25 ex., 3-14.07.1997, 17 ex.; Kurgan reg., Kurgan, 17.05.1997, 6.07.1997, in a collection of ZMKU; Chelyabinsk reg., Chebarcul district, Kisegach, 5-11.06.1998, 8 ex., 10-20.06.1999, 12 ex.

Cr. (Cryptocephalus) sexpunctatus (LINNAEUS, 1758)

VORONCOWSKI, 1922: 68; OLSHVANG, 1986: 56; GUS'KOVA 2002: 21.

D i s t r i b u t i o n : Europe, Caucasus, W and Middle Siberia, Amurland, Maritime Prov., Sakhaline, Kamchatka, N China, Japan. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Kartaly district, village Elizavetpolskoe, 6.07.96, 5 ex.

Cr. (Cryptocephalus) solivagus LEONARDI et SASSI, 2001

D i s t r i b u t i o n : Central and southern parts of E Europe, Middle Asia, Kazakhstan, Uzbekistan. Southern Ural: forest and forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., 16.06.1998, 1 ex.; Chelyabinsk reg., Chelyabinsk, 15.06.1999, 2 ex.; Chelyabinsk reg., village Krasnogorsk, 13.06.2005, 1 ex. (N.A. Rezchikova).

Cr. (Cryptocephalus) violaceus LAICHARTING, 1781

JACOBSON, 1897: 431; VORONCOWSKI, 1922: 48; ESYUNIN & KOZMINYH, 1992: 64; MIKHAILOV, 1997b: 69; GUS'KOVA 2002: 24.

D i s t r i b u t i o n : Middle and S Europe, N Caucasus. Southern Ural: forest-steppe, steppe zone.

M a t e r i a l : Chelyabinsk reg., Argayash district, village Kuzneckoe, 1.07.1998, 3 ex.; Chelyabinsk reg., Bredy district, village Morozovka, 30.07.1998, 5 ex.

Cr. (Cryptocephalus) virens SUFFRIAN, 1847

ESYUNIN & KOZMINYH, 1992: 64; LAGUNOV & NOVOZHENOV, 1996: 69; GUS'KOVA 2002: 22.

D i s t r i b u t i o n : S Europe, Caucasus, southern parts of W Siberia, Altai. Southern Ural: forest, forest-steppe, steppe zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., 22.06.1982, 1 ex. in a collection of reserve; Chelyabinsk reg., Uvelka district, village Kichigino, 11.06.1997, 2 ex.; Chelyabinsk reg., Bredy district, village Morozovka, 30.07.1998, 1 ex.

Subgenus *Cryptocephalus (Burlinius)* LOPATIN, 1965

Cr. (Burlinius) bilineatus (LINNÉ, 1767)

ESYUNIN & KOZMINYH, 1992: 64; GUS'KOVA 2002: 24.

D i s t r i b u t i o n : Europe, southern parts of Siberia, Mongolia, N China, Japan. Southern Ural: forest-steppe, steppe zone.

M a t e r i a l : Chelyabinsk reg., Uvelka district, village Kichigino, 14.06.1996, 5 ex.; Chelyabinsk reg., Kartaly district, village Elizavetpolskoe, 3.07.1997, 8 ex.

Cr. (Burlinius) elegantulus GRAVENHORST, 1807

JACOBSON, 1897: 432; ESYUNIN & KOZMINYH, 1992: 64; GUS'KOVA 2002: 24.

D i s t r i b u t i o n : Europe, Kazakhstan, Siberia, S Korea, N Mongolia. Southern Ural: forest-steppe, steppe zone.

M a t e r i a l : Chelyabinsk reg., Varna district, village Alekseevka, 23.07.1996, 5 ex.; Kurgan reg., village Petuhovo, 14.07.1997, 3 ex.

***Cr. (Burlinius) exiguus* SCHNEIDER, 1792**

LAGUNOV & NOVOZHENOV, 1996: 68; GUS'KOVA 2002: 20.

D i s t r i b u t i o n : Europe, W Siberia, Altais, Tuva, Sayan. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Chebarcul district, Kisegach, 15.06.1996, 12 ex.; Katav-Ivanovsk district, Tyulyuk, 20-22.07.1997, 21 ex.

***Cr. (Burlinius) frontalis* MARSHAM, 1802**

LAGUNOV & NOVOZHENOV, 1996: 68; GUS'KOVA 2002: 20.

D i s t r i b u t i o n : Europe, W Siberia, S Maritime Prov., S Sakhaline. Southern Ural: forest zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., 20.06.1986, 1 ex. in a collection of reserve; Chelyabinsk reg., Chebarcul district, Kisegach, 16.06.1999, 11 ex.

***Cr. (Burlinius) fulvus* (GOEZE, 1777)**

GUS'KOVA 2002: 26.

D i s t r i b u t i o n : Europe, Caucasus, Middle Asia, Altais, southern parts of Siberia. Southern Ural: forest, forest-steppe, steppe zone.

M a t e r i a l : Chelyabinsk reg., Kartaly district, village Elizavetpolskoe, 6.07.1996, 5 ex.; Chelyabinsk reg., Katav-Ivanovsk district, Yuryuzan, 19.07.1997, 6 ex.; Chelyabinsk reg., Kopeisk, 15.06.1999, 3 ex.

***Cr. (Burlinius) labiatus* (LINNAEUS, 1761)**

JACOBSON, 1897: 432; LAGUNOV & NOVOZHENOV, 1996: 68; GUS'KOVA 2002: 22.

D i s t r i b u t i o n : Europe, Caucasus, southern parts of W Siberia, Altais, Sayan, Middle Yakutia, Mongolia. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., 13.07.1957, 1 ex. in a collection of IPAE; Chelyabinsk reg., Chebarcul district, Kisegach, 16.06.1996, 7 ex.; Chelyabinsk reg., Uvelka district, village Uvelka, 1.07.1997, 5 ex.

***Cr. (Burlinius) populi* SUFFRIAN, 1848**

MIKHAILOV, 1997b: 69; GUS'KOVA 2002: 22.

D i s t r i b u t i o n : Europe. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Chebarcul district, Kisegach, 6.06.1999, 7 ex.; Chelyabinsk reg., Argayash district, village Kuzneckoe, 5.08.1999, 14 ex.

Genus *Pachybrachis* CHEVROLAT in DEJEAN, 1837

***P. fimbriolatus* (SUFFRIAN, 1848)**

ESYUNIN & KOZMINYH, 1992: 64; GUS'KOVA 2002: 26.

Distribution: Europe, Kazakhstan, Siberia, Mongolia, China, Korea. Southern Ural: steppe zone.

Material: Chelyabinsk reg., Kartaly district, village Elizavetpolskoe, 6.07.1996, 8 ex.

***P. hieroglyphicus* (LAICHARTIIG, 1781)**

JACOBSON, 1897: 432; ESYUNIN & KOZMINYH, 1992: 64; PAVLOV, 1998: 258; UTKIN, 1999: 117; GUS'KOVA 2002: 28.

Distribution: Europe, Caucasus, N Kazakhstan, Siberia, Mongolia. Southern Ural: forest-steppe, steppe zone.

Material: Kurgan reg., Kurgan, 19.06.1991, in a collection of ZMKU; Chelyabinsk reg., Kartaly district, village Elizavetpolskoe, 6.07.1996, 13 ex.; Chelyabinsk reg., Argayash district, village Kuzneckoe, 5.06.1998, 17 ex.

***P. jacobsoni* (LOPATIN, 1968)**

ESYUNIN & KOZMINYH, 1992: 64; GUS'KOVA 2002: 28.

Distribution: Kazakhstan. Southern Ural: steppe zone.

Material: Chelyabinsk reg., Kartaly district, village Varshavka, 15.07.1997, 2 ex.

***P. scriptidorsum* (MARSEUL, 1875)**

= *P. ablicans chinensis* WEISE, 1913

JACOBSON, 1897: 432; ESYUNIN & KOZMINYH, 1992: 64; GUS'KOVA 2002: 28.

Distribution: Europe, Caucasus, Kazakhstan, Siberia, Mongolia, China, Korea. Southern Ural: steppe zone.

Material: Chelyabinsk reg., Bredy district, village Morozovka, 27.07.1996, 10 ex.

Subfamily *Eumolpinae* HOPE, 1840

Genus *Eumolpus* ILLIGER, 1798

(*Chrysochus* CHEVROLAT, 1836)

***E. asclepiadeus* (PALLAS, 1773)**

GUS'KOVA 2002: 29.

Distribution: Europe, Caucasus, Asia Minor, southern parts of W Siberia. Southern Ural: steppe zone.

Material: Chelyabinsk reg., Varna district, village Alekseevka, 20.07.1997, 5 ex.

Genus *Bromius* CHEVROLAT in DEJEAN, 1837

(*Adoxus* KIRBY, 1837)

***B. obscurus* (LINNAEUS, 1758)**

LAGUNOV & NOVOZHENOV, 1996: 69; PAVLOV, 1998: 258; GUS'KOVA 1999: 65; 2002: 28 UTKIN, 1999: 117.

Distribution: All over Palearctic. Southern Ural. Forest, forest-steppe zone.

Material: Kurgan reg., village Temlyakovo, 8.07.1993, in a collection of ZMKU; Chelyabinsk reg., Chebarcul district, Kisekach, 14.06.1996, 13 ex.; Chelyabinsk reg., Chelyabinsk, pine wood, 18.06.1999, 21 ex.

Genus *Pachnephorus* CHEVROLAT in DEJEAN, 1837

Subgenus *Pachnephorus (Pachnephorus)* CHEVROLAT in DEJEAN, 1837

***P. (Pachnephorus) pilosus* (ROSSI, 1790)**

GUS'KOVA 2002: 29.

Distribution: Europe, W Siberia, Transbaikalia. Southern Ural: steppe zone.

Material: Chelyabinsk reg., Varna district, village Alekseevka, 20.07.1997, 3 ex.

***P. (Pachnephorus) tessellatus* (DUFTSCHMID, 1825)**

MIKHAILOV, 1997a: 188; GUS'KOVA 2002: 29.

Distribution: Europe, Caucasus, Middle Asia, Kazakhstan, Altai, W and Middle Siberia, Yakutia, Amurland, Maritime Prov., Afghanistan, Mongolia, N China, Korea. Southern Ural: forest-steppe, steppe zone.

Material: Chelyabinsk reg., Kopeisk, 13.06.1996, 6 ex.; Chelyabinsk reg., Troick district, 3.07.1996, 5 ex.

Subfamily *Chrysomelinae* LATREILLE, 1802

Genus *Crosita* MOTSCHULSKY, 1860

***C. altaica maximowitschi* (ZOUBKOV, 1833)**

MIKHAILOV, 1997b: 70; GUS'KOVA 2002: 40.

Distribution: Altai, Kazakhstan, Mongolia, W China. Southern Ural: steppe zone.

Material: Orenburg reg., Sol-Ileck, (I.K. Lopatin).

Genus *Chrysolina* MOTSCHULSKY, 1860

(*Chrysomela* auct, non LINNAEUS, 1758)

Subgenus *Chrysolina (Crositops)* MARSEUL, 1883

***Ch. roddi* (JACOBSON, 1897)**

JACOBSON, 1897: 434; LAGUNOV & NOVOZHENOV, 1996: 69; MIKHAILOV, 2006a: 116; 1997b: 70; BIEŃKOWSKI, 2001: 113; 2004: 59; 2009: 69; GUS'KOVA 2002: 32.

Distribution: Southern Ural: forest zone.

Material: Bashkortostan, Irgizla, river Belaya, 2.08.1896, 1 ex. in a collection of SZMN; Ilmensky Res., mountain Lysaya, 5.05.1958, (J.I. Novozhenov), 1 ex. in a collection of IPAE.

Subgenus *Chrysolina (Pleurosticha)* MOTSCHULSKY, 1860

***Ch. (Pleurosticha) sylvatica* (GEBLER, 1823)**

MIKHAILOV, 1997b: 70; GUS'KOVA 2002: 33.

Distribution: Altai, Tuva, Sayan. Southern Ural: forest zone.

Material: Bashkortostan, B and M Iremel, mountain tundra, (Y. u. E. Mikhailov).

***Chrysolina (Pleurosticha) lagunovi* MIKHAILOV, 2006**

MIKHAILOV, 2006a: 111

Material: Holotype, ♂ «Bashkortostan, Iremel, Pass between B Iremel и Zsherebchik (h=1385m), Tundra under stones 24-28.VII.1999 Yu. Mikhailov »Holotypus, *Chrysolina lagunovi* sp. n. Yu. Mikhailov det. 2006» (in a collection of SZMN, Novosibirsk).

Subgenus *Chrysolina (Arctolina)* KONTKANEN, 1959

***Ch. (Arctolina) poretzkyi* (JACOBSON, 1897)**

JACOBSON, 1897: 434; BIENKOWSKI, 2001: 113; GUS'KOVA 2002: 33; MIKHAILOV, 2006a: 111; 2006b: 115; 2009: 141.

Distribution: Bashkortostan, Irgizly (loc. typ.) (Buryazinsk distr.); Krasnyi Klyuch, Maginsk (Nurimanovsk distr.); B Iremel; Chelyabinsk reg., Ilmensky Ridge, Lake. Tatkul; Suhaiy Atya (Asha distr.); of the river Sim (Katav-Ivanovsk distr.)

Material: Bashkortostan, coast of the river Belaya, 30.07.1896, 1 ex.

The regular remark: In connection with loss holotype, Mikhailov has allocated neotype *Chrysolina poretzkyi*, neotype, ♂ «Chelyabinsk reg., Asha distr., Suhaya Atya 2-3.06.1990 A.V. Lagunov», «NEOTYPUS, *Chrysolina poretzkyi* JACOBSON, 1897, design. Yu. Mikhailov, 2005», «*Chrysolina poretzkyi* (JACOBSON), det. Yu. Mikhailov, 2005» in a collection of IPAE (Ekaterinburg).

Subgenus *Chrysolina (Stichoptera)* MOTSCHULSKY, 1860

***Ch. (Stichoptera) gypsophilae* (KÜSTER, 1845)**

VORONCOWSKI, 1922: 48; GUS'KOVA 2002: 32.

Distribution: E Europe, Kazakhstan. Southern Ural: steppe zone.

Material: Chelyabinsk reg., Kartaly district, village Elizavetpolskoe, 15-20.07.1996, 7 ex.

***Ch. (Stichoptera) sanguinolenta* (LINNAEUS, 1758)**

ESYUNIN & KOZMINYH, 1992: 64; LAGUNOV & NOVOZHENOV, 1996: 69; PAVLOV, 1998: 258.

Distribution: Europe, Kazakhstan, Siberia, Mongolia. Southern Ural: forest, forest-steppe, steppe zone.

Material: Chelyabinsk reg., Ilmensky Res., 1.09.1946, (V.N. Stepanov), 1 ex. in a collection of ZMSU, 05-06.1981, 6 ex. in a collection of reserve; Chelyabinsk reg., Kartaly district, village Varshavka, 18.07.1996, 3 ex.; Chelyabinsk reg., Uvelka district, village Uvelka, 14.06.1996, 3 ex.

Subgenus *Chrysolina (Craspeda)* MOTSCHULSKY, 1860

***Ch. (Craspeda) limbata* (FABRICIUS, 1775)**

ESYUNIN & KOZMINYH, 1992: 64; MIKHAILOV, 1997a: 188; PAVLOV, 1998: 258; GUS'KOVA, 1999: 64; 2002: 30; UTKIN, 1999: 113.

Distribution: Europe, W and Middle Siberia, Altai, Yakutia. Southern Ural: forest-steppe, steppe zone.

Material: Kurgan reg., Kurgan, 30.06.1994, in a collection of ZMKU; Chelyabinsk reg., Kartaly district, village Varshavka, 16.07.1996, 1 ex., 15.07.1997, 7 ex.

Subgenus *Chrysolina (Taeniosricha)* MOTSCHULSKY, 1860

***Ch. (Taeniosricha) reitteri* (J. WEISE, 1884)**

= *Ch. lurida* LINNÉ, 1767

LAGUNOV & NOVOZHENOV, 1996: 69; GUS'KOVA, 1998: 105; 2002: 30.

Distribution: Europe, Caucasus, Kazakhstan, Sayan. Southern Ural: forest, forest-steppe, steppe zone.

Material: Chelyabinsk reg., Ilmensky Res., 25.06.1944, (V.N. Stepanov), 1 ex. in a collection of IPAE, 13.07.1981, 1 ex. in a collection of reserve; Bashkortostan, Sterlitamak, 26.06.1953, (Pollak), 1 ex. in a collection of ZMMU; Chelyabinsk reg., Kartaly district, village Varshavka, 16.07.1996, 2 ex.

Subgenus *Chrysolina (Ovosoma)* MOTSCHULSKY, 1860

***Ch. (Ovosoma) susterai* BECHYNE, 1950**

= *Ch. morio* KRYNICKI, 1832

GUS'KOVA 2002: 32.

Distribution: southern parts of Europe, Altai, Kazakhstan. Southern Ural: steppe zone.

Material: Chelyabinsk reg., Kartaly district, village Elizavetpolskoe, 6.07.1996, 13 ex., 15.07.1997, 5 ex.

Subgenus *Chrysolina (Chrysomorpha)* MOTSCHULSKY, 1860

***Ch. (Chrysomorpha) cerealis* (LINNÉ, 1767)**

GUS'KOVA, 1998: 105; 2002: 32.

Distribution: Europe, Caucasus, Kazakhstan, Siberia, Mongolia. Southern Ural: forest, forest-steppe, steppe zone.

Material: Orenburg reg., Orenburg, 2.07.1944, (J.P. Shelkanovcev), 1 ex. in a collection of ZMMU; Chelyabinsk reg., Chebarcul district, Kisegach, 5.06.1999, 8 ex.

Subgenus *Chrysolina (Colaphosoma)* MOTSCHULSKY, 1860

***Ch. (Colaphosoma) sturmi* (WESTHOFF, 1882)**

= *Ch. diversipes* BEDEL, 1892

PAVLOV, 1998: 258; GUS'KOVA 2002: 31.

Distribution: E Europe, W Siberia, Altai, E Kazakhstan. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Kurgan reg., coast of, the river Tobol, 30.06.1992, in a collection of ZMKU; Chelyabinsk reg., Chelyabinsk, 1-7.06.1996, 5 ex.; Chelyabinsk reg., Kartaly district, village Elizavetpolskoe, 17.07.1996, 7 ex.

Subgenus *C h r y s o l i n a (E u c h r y s o l i n a)* BECHYNE, 1950

***Ch. (Euchrysolina) graminis* (LINNAEUS, 1758)**

JACOBSON, 1897: 435; ESYUNIN & KOZMINYH, 1992: 64; PAVLOV, 1998: 258; UTKIN, 1999: 112; GUS'KOVA 2002: 32.

D i s t r i b u t i o n : Europe, W and Middle Siberia, Yakutia. Southern Ural: forest-steppe zone.

M a t e r i a l : Kurgan reg., village Baraba, 10.06.1997, in a collection of ZMKU; Chelyabinsk reg., Chelyabinsk, 1.07.1998, 9 ex.

Subgenus *C h r y s o l i n a (E r y t h r o c h y s a)* BECHYNE, 1950

***Ch. (Erythrochysa) polita* (LINNAEUS, 1758)**

JACOBSON, 1897: 435; ESYUNIN & KOZMINYH, 1992: 64; LAGUNOV & NOVOZHENOV, 1996: 69; PAVLOV, 1998: 258; GUS'KOVA, 1999: 64; 2002: 30; UTKIN, 1999: 112.

D i s t r i b u t i o n : Europe, Caucasus, W and Middle Siberia, N Kazakhstan, Altai, Sakhaline, Mongolia. Southern Ural: forest, forest-steppe, steppe zone.

M a t e r i a l : Kurgan reg., village Temlyakovo, 14.06.1992, in a collection of ZMKU; Chelyabinsk reg., Katav-Ivanovsk district, Tyulyuk, 15.08.1996, 5 ex.; Chelyabinsk reg., Kartaly district., village Varshavka, 18.07.1996, 3 ex.

Subgenus *C h r y s o l i n a (H y p e r i c i a)* BEDEL, 1892

***Ch. (Hypericia) hyperici* (FORSTER, 1771)**

GUS'KOVA 2002: 33.

D i s t r i b u t i o n : Europe, N Kazakhstan, W Siberia, Caucasus, N Africa. Southern Ural: forest-steppe, степная zone.

M a t e r i a l : Chelyabinsk reg., Kartaly district, village Varshavka, 7.07.96, 5 ex.; Chelyabinsk reg., Chebarcul district, Kisekach, 15.06.1997, 3 ex.

Subgenus *C h r y s o l i n a (A n o p a c h y s)* MOTSCHULSKY, 1860

***Ch. (Anopachys) aurichalcea* (MANNERHEIM, 1825)**

JACOBSON, 1897: 435; LAGUNOV & NOVOZHENOV, 1996: 69; GUS'KOVA 2002: 29.

D i s t r i b u t i o n : Europe, N Kazakhstan, W and Middle Siberia, Altai, Yakutia, Sakhaline, Mongolia, China, Korea, Japan, ИндоChina. Southern Ural: forest zone.

M a t e r i a l : Chelyabinsk reg., Ilmenny Res., 22.08.1983, 2 ex. in a collection of reserve; Chelyabinsk reg., Chebarcul district, Kisekach, 17.06.1999, 2 ex.

Subgenus *C h r y s o l i n a (C h r y s o l i n a)* MOTSCHULSKY, 1860

***Ch. (Chrysolina) staphylaea* (LINNAEUS, 1758)**

=*Ch. staphylea* auct.

LAGUNOV & NOVOZHENOV, 1996: 69; PAVLOV, 1998: 258; GUS'KOVA, 1998: 105; 2002: 31; UTKIN, 1999: 112.

Distribution: Europe, Siberia, Mongolia. Southern Ural: forest, forest-steppe, steppe zone.

Material: Chelyabinsk reg., Ilmensky Res., 25.07.1983, 22.09.1983, 2 ex. in a collection of ZMMU; Kurgan reg., Kurgan, 22.06.1993, in a collection of ZMKU; Chelyabinsk reg., Argayash district, village Kuzneckoe, 1.06.1998, 15 ex.

Subgenus *Chrysolina* (*Sphaeromela*) BEDEL, 1892

***Ch. (Sphaeromela) varians* (SCHALLER, 1783)**

GUS'KOVA 2002: 33.

Distribution: Europe, Altai. Southern Ural: forest, forest-steppe zone.

Material: Chelyabinsk reg., Chebarcul district, Kisegach, 17.06.1998, 7 ex.; Chelyabinsk reg., Chelyabinsk, 25.07.1999, 3 ex.

Subgenus *Chrysolina* (*Chalcoidea*) MOTSCHULSKY, 1860

***Ch. (Chalcoidea) carnifex* (FABRICIUS, 1792)**

MIKHAILOV, 1997b: 69; 1997a: 188; GUS'KOVA 2002: 32.

Distribution: Europe. Southern Ural: forest, forest-steppe zone.

Material: Chelyabinsk reg., Asha, 30.07.1997, 5 ex.; Chelyabinsk reg., Uvelka district, village Vodopoiika, 28.07.1998, 3 ex.

***Ch. (Chalcoidea) marginata* (LINNAEUS, 1758)**

JACOBSON, 1897: 435; LAGUNOV & NOVOZHENOV, 1996: 69; PAVLOV, 1998: 258; UTKIN, 1999: 113; GUS'KOVA 2002: 30.

Distribution: Europe, W and Middle Siberia, Altai. Yakutia. Southern Ural: forest, forest-steppe zone.

Material: Chelyabinsk reg., Ilmensky Res., 25.08.1983, 1 ex., 4.06.1988, 2 ex. in a collection of reserve; Kurgan reg., village Temlyakovo, 14.06.1992, in a collection of ZMKU; Chelyabinsk reg., Kartaly district, Elizavetpolskoe, 26.07.1997, 5 ex.; Chelyabinsk reg., Katav-Ivanovsk district, Tyulyuk, 8.09.2000, 5 ex.

Subgenus *Chrysolina* (*Fastuolina*) WARCHALOWSKI, 1991

***Ch. (Fastuolina) fastuosa* (SCOPOLI, 1763)**

JACOBSON, 1897: 435; ESYUNIN & KOZMINYH, 1992: 64; LAGUNOV & NOVOZHENOV, 1996: 69; PAVLOV, 1998: 258; GUS'KOVA, 1999: 64; UTKIN, 1999: 113.

Distribution: Europe, W Siberia, Altai. Southern Ural: forest, forest-steppe zone.

Material: Kurgan reg., Kurgan, 25.07.1997, in a collection of ZMKU; Chelyabinsk reg., Chebarcul district, Kisegach, 10-17.06.1999, 25 ex.

Genus *Oreina* SHEVROLAT in DEJEAN, 1837

(*Chrysochloa* HOPPE, 1840)

Subgenus *Oreina* (*Allorina*) J. WEISE, 1902

***O. (Allorina) coerulea* (OLIVIER, 1790)**

= *O. rugulosa* (SUFFRIAN, 1851)

MIKHAILOV, 1997b: 70; GUS'KOVA 2002: 40.

Distribution: Europe. Southern Ural: forest zone.

Material: Chelyabinsk reg., Katav-Ivanovsk district, Tyulyuk, 17.07.1998, 2 ex.

Genus *Colaphellus* DAHL, 1823

(*Colaphellus* WEISE, 1916)

***C. sophiae* (SCHALLER, 1783)**

VORONCOWSKI, 1922: 48; ESYUNIN & KOZMINYH, 1992: 64; GUS'KOVA 2002: 39.

Distribution: Europe, Caucasus, Middle Asia, W Siberia. Southern Ural: forest-steppe, steppe zone.

Material: Chelyabinsk reg., Argayash district, village Kuzneckoe, 25.06.1997, 2 ex., 29.06.1998, 3 ex.

***C. hoeftii* (MENETRIES, 1832)**

= *C. hoeftii* auct.

GUS'KOVA 2002: 39.

Distribution: Europe, Caucasus, Middle Asia, W Siberia. Southern Ural: forest-steppe, steppe zone.

Material: Chelyabinsk reg., Argayash district, village Kuzneckoe, 25.06.1997, 1 ex., 29.06.1998, 1 ex.

Genus *Gastrophysa* CHEVROLAT in DEJEAN, 1837

(*Gastroidae* AGASSIZ, 1846)

Subgenus *Gastrophysa* (*Gastrophysa*) CHEVROLAT in DEJEAN, 1837

***G. (Gastrophysa) polygona* (LINNAEUS, 1758)**

JACOBSON, 1897: 432; VORONCOWSKI, 1922: 48; ESYUNIN & KOZMINYH, 1922: 64; LAGUNOV & NOVOZHENOV, 1996: 70; PAVLOV, 1992: 105; GUS'KOVA, 1998: 105; 2002: 36; UTKIN, 1999: 113.

Distribution: Europe, Kazakhstan, Siberia, Japan, Mongolia, China, N Africa. Southern Ural: forest, forest-steppe, steppe zone.

Material: Kurgan reg., village Temlyakovo, 15.07.1994, in a collection of ZMKU; Kartaly district, village Varshavka, 15.07.1997, 7 ex.; Chelyabinsk, 12.08.1997, 35 ex.

***G. (Gastrophysa) viridula* (DEGEER, 1775)**

GUS'KOVA 2002: 37.

Distribution: Europe, Caucasus, SE Kazakhstan, W and Middle Siberia, Altai, N America. Southern Ural: forest-steppe, steppe zone.

Material: Kurgan reg., village Temlyakovo, 12.07.1997, in a collection of ZMKU; Chelyabinsk reg., Kartaly district, village Varshavka, 15.07.1997, 13 ex.

Genus *Phaedon* DAHL, 1823

Subgenus *Phaedon* (*Phaedon*) DAHL, 1823

***P. (Phaedon) cochleariae* (FABRICIUS, 1792)**

GUS'KOVA, 1999: 64; 2002: 37.

Distribution: Europe, Kazakhstan, Siberia, Sakhaline, Japan, China, Japan, N Africa.
Southern Ural: forest-steppe zone.

Material: Chelyabinsk reg., Chelyabinsk, 12.07.1999, 3 ex.

***P. (Phaedon) laevigatus* DUFTSCHMID, 1825**

LAGUNOV & NOVOZHENOV, 1996: 71; GUS'KOVA 2002: 37.

Distribution: Europe. Southern Ural: forest-steppe, steppe zone.

Material: Chelyabinsk reg., Ilmensky Res., 22-30.05.1958, 4 ex. in a collection of IPAE;
Chelyabinsk reg., Troick district, village Berezniki, 30.07.1996, 15 ex.

Genus *Hydrothassa* THOMSON, 1866

Subgenus *Hydrothassa* (*Hydrothassa*) THOMSON, 1866

***H. (Hydrothassa) hannoveriana* (FABRICIUS, 1775)**

= *H. hannoverana* auct.

GUS'KOVA 2002: 39.

Distribution: Europe, W and Middle Siberia, Yakutia, Arctic regions. Southern Ural:
forest zone.

Material: Chelyabinsk reg., Katav-Ivanovsk district, Tyulyuk, 21.07.1997, 13 ex.

***H. (Hydrothassa) marginella* (LINNAEUS, 1758)**

LAGUNOV & NOVOZHENOV, 1996: 71; GUS'KOVA 2002: 39.

Distribution: Europe, E Kazakhstan, Altai, W and Middle Siberia, Sayan, Yakutia.
Southern Ural: forest, forest-steppe zone.

Material: Chelyabinsk reg., Ilmensky Res., 29.07.1974, 1 ex. in a collection of IPAE;
Chelyabinsk, 10.06.1996, 12 ex.

Genus *Prasocuris* LATREILLE, 1802

***P. phellandrii* (LINNAEUS, 1758)**

ESYUNIN & KOZMINYH, 1992: 64; LAGUNOV & NOVOZHENOV, 1996: 71; GUS'KOVA 2002: 39.

Distribution: Europe, Kazakhstan, Siberia, Sakhaline, China, Mongolia, N Africa.
Southern Ural: forest, forest-steppe, steppe zone.

Material: Chelyabinsk reg., Ilmensky Res., 17.06.1985, 2 ex. in a collection of reserve;
Chelyabinsk, coast of the water basins Shershnevskoe, 1.06.1996, 7 ex.; Chelyabinsk reg.,
Troick district, coast of the river Ui, 12.06.1999, 13 ex.

Genus *Plagiodes* CHEVROLAT in DEJEAN, 1837

***P. versicolora* (LAICHARTING, 1781)**

LAGUNOV & NOVOZHENOV, 1996: 71; GUS'KOVA 2002: 38.

Distribution: Europe, Kazakhstan, Siberia, Sakhaline, Japan, Mongolia, China, N Africa.
Southern Ural: forest, forest-steppe zone.

Material: Chelyabinsk reg., Katav-Ivanovsk district, Tyulyuk, 21-25.07.1997, 18 ex.;
Chelyabinsk reg., Argayash district, village Kuzneckoe, 1.07.1998, 5 ex.

Genus *Chrysomela* LINNAEUS, 1758

(*Melasoma* STEPHAENS, 1832)

Subgenus *Chrysomela (Pachylina)* L. MEDV. in MEDV. et CHERNOV, 1969

***Ch. (Pachylina) collaris* LINNAEUS, 1758**

LAGUNOV & NOVOZHENOV, 1996: 69; PAVLOV, 1998: 259; UTKIN, 1999: 113; GUS'KOVA 2002: 33.

Distribution: Europe, Siberia, Kamchatka, Sakhaline, Mongolia. Southern Ural: forest,
forest-steppe, steppe zone.

Material: Chelyabinsk reg., Ilmensky Res., 23.05.43 and 19.06.1943, 2 ex. in a collection of
ZMMU, 17.06.1957, 1 ex. in a collection of IPAE; Kurgan reg., Kurgan, coast of the river
Tobol, 19.07.1992 in a collection of ZMKU; Chelyabinsk, coast of the river Miass,
15.06.1996, 18 ex.; Chelyabinsk reg., Kartaly district, coast of the river Karagaily-Aiyat,
3.07.1997, 15 ex.

Subgenus *Chrysomela (Macrolina)* MOTSCHULSKY, 1860

***Ch. (Macrolina) cuprea* FABRICIUS, 1775**

JACOBSON, 1897: 436; LAGUNOV & NOVOZHENOV, 1966: 69; GUS'KOVA 2002: 33.

Distribution: Europe, W and Middle Siberia, Altai, Yakutia, Maritime Prov., Southern
Ural: forest, forest-steppe zone.

Material: Chelyabinsk reg., Ilmensky Res., 20.04.1943, (V.N. Stepanov), 1 ex. in a
collection of reserve, (26.06.1957, 24.05.1958, 12.06.1958 and 7.05.1959), 4 ex. in a
collection of IPAE; Chebarkul district, Kisegach, 2.06.1999, 9 ex.

***Ch. lapponica* LINNAEUS, 1758**

JACOBSON, 1897: 436; OLSHVANG, 1986: 56; LAGUNOV & NOVOZHENOV, 1996: 69.

Distribution: Europe, W and Middle Siberia, Yakutia, Sakhaline, Japan. Southern Ural:
forest, forest-steppe zone.

Material: Chelyabinsk reg., Ilmensky Res., 22.05.1943, (V.N. Stepanov), 1 ex. in a
collection ZMMU; Chelyabinsk, 3.06.1997, 17 ex.

***Ch. vigintipunctata* (SCOPOLI, 1763)**

LAGUNOV & NOVOZHENOV, 1996: 69.

Distribution: Europe, Kazakhstan, Siberia, Yakutia, Sakhaline, Korea, China, Mongolia.
Southern Ural: forest, forest-steppe zone.

Material: Chelyabinsk reg., Chebarkul district, Kisegach, 2.06.1999, 3 ex.

Subgenus *Chrysomela* (*Chrysomela*) LINNAEUS, 1758

***Ch. (Chrysomela) populi* LINNAEUS, 1758**

JACOBSON, 1897: 436; VORONCOWSKI, 1922: 48; ESYUNIN & KOZMINYH, 1992: 64; LAGUNOV & NOVOZHENOV, 1996: 69; PAVLOV, 1998: 259; UTKIN, 1999: 113; GUS'KOVA 2002: 34.

D i s t r i b u t i o n : Europe, Siberia, Kazakhstan, Yakutia, Sakhaline, Korea, China, Mongolia.
Southern Ural: forest, forest-steppe, steppe zone.

M a t e r i a l : Kurgan reg., Kurgan, coast of the river Tobol, 19.07.1992, in a collection of ZMKU; Chelyabinsk reg., Chelyabinsk, coast of the river Miass, 20.06.1998, 25 ex.; Chelyabinsk reg., Troick district, village Berezniki, 3.06.1997, 19 ex.

***Ch. (Chrysomela) saliceti* (J. WEISE, 1884)**

LAGUNOV & NOVOZHENOV, 1996: 69; GUS'KOVA 2002: 34.

D i s t r i b u t i o n : Europe, Kazakhstan, Siberia, Yakutia, Sakhaline, Korea, China, Mongolia.
Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Chelyabinsk, coast of the river Miass, 20.06.1998, 13 ex.; Chelyabinsk reg., Chebarcul district, Kisegach, 2.06.1999, 15 ex.

***Ch. (Chrysomela) tremula* FABRICIUS, 1787**

= *Ch. tremulae* auct.

VORONCOWSKI, 1922: 48; ESYUNIN & KOZMINYH, 1992: 64; GUS'KOVA 2002: 35.

D i s t r i b u t i o n : Europe, Kazakhstan, Siberia, Yakutia, Sakhaline, China, Korea, Mongolia.
Southern Ural: forest, forest-steppe, steppe zone.

M a t e r i a l : Chelyabinsk reg., Kartaly district, coast of the river Karagaily-Aiyat, 2.07.1997, 8 ex.; Chelyabinsk reg., Chelyabinsk, coast of the river Miass, 20.06.1998, 11 ex.; Chelyabinsk reg., Chebarcul district, Kisegach, 2.06.1999, 5 ex.

Genus *Linnaeidea* MOTSCHULSKY, 1860

***L. aenea* (LINNAEUS, 1758)**

LAGUNOV & NOVOZHENOV, 1996: 70; GUS'KOVA 2002: 37.

D i s t r i b u t i o n : Europe, Kazakhstan, Siberia, Sakhaline, Mongolia, Japan, N Africa.
Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Katav-Ivanovsk district, river Yuryuzan, 9.08.1998, 25 ex.; Chelyabinsk reg., Chelyabinsk, 12.07.1999, 13 ex.

Genus *Leptinotarsa* CHEVROLAT in DEJEAN, 1837

***L. decemlineata* (SAY, 1824)**

OLSHVANG, 1986: 56; LAGUNOV & NOVOZHENOV, 1996: 70; PAVLOV, 1998: 258; UTKIN, 1999: 112; GUS'KOVA 2002: 37.

D i s t r i b u t i o n : Introduced from N America. Europe, Caucasus, W and Middle Siberia.
Southern Ural: forest, forest-steppe, steppe zone.

M a t e r i a l : Kurgan reg., village Lise, 2.06.1996, in a collection of ZMKU; Chelyabinsk reg., Troick district, village Berezniki, 30.07.1996, 7 ex.; Chelyabinsk reg., Chelyabinsk, 12.06.1998, 45 ex.

Genus *Entomoscelis* CHEVROLAT in DEJEAN, 1837

***E. adonidis* (PALLAS, 1771)**

JACOBSON, 1897: 432; VORONCOWSKI, 1922: 48; LAGUNOV & NOVOZHENOV, 1996: 70; PAVLOV, 1998: 259; GUS'KOVA, 1999: 64; 2002: 36; UTKIN, 1999: 114.

D i s t r i b u t i o n : Europe, Kazakhstan, Siberia, Japan, Mongolia, China, N Africa. Southern Ural: forest-steppe, steppe zone.

M a t e r i a l : Kurgan reg., Kurgan, 11.06.1994, in a collection of ZMKU; Chelyabinsk reg., Troick district, village Berezniki, 30.07.1996, 13 ex.; Chelyabinsk reg., Chebarcul district, Kisegach, 15.06.1997, 27 ex.

Genus *Gonioctena* CHEVROLAT in DEJEAN, 1837

(*Phytodecta* KIRBY, 1837)

Subgenus *Gonioctena* (*Gonioctena*) CHEVROLAT in DEJEAN, 1837

***G. (Gonioctena) decaspilota* (ACHARD, 1924)**

= *G. salicis* (MOTSCHULSKY, 1860)

= *G. affinis* (GYLLENHAL, 1808)

PAVLOV, 1998: 70; OLSHVANG, 1986: 56; GUS'KOVA 2002: 35.

D i s t r i b u t i o n : N Europe, Siberia, Japan, N Mongolia. Southern Ural: forest zone.

M a t e r i a l : Bolshoi Iremel, Tundra, 27-30.07.1998, 37 ex.

***G. (Gonioctena) decemnotata* (MARSHAM, 1802)**

= *G. rufipes* DEGEER, 1775

LAGUNOV & NOVOZHENOV, 1996: 70; JACOBSON, 1897: 436; GUS'KOVA 2002: 35.

D i s t r i b u t i o n : Europe, Kazakhstan, Siberia, N China, Mongolia. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Katav-Ivanovsk district, coast of the river Tyulyuk, 25.05.1998, 28 ex.; Chelyabinsk, coast of the river Miass, 3.06.1999, 16 ex.

***G. (Gonioctena) viminalis* (LINNAEUS, 1758)**

LAGUNOV & NOVOZHENOV, 1996: 70; JACOBSON, 48: 436; GUS'KOVA 2002: 35.

D i s t r i b u t i o n : Europe, Caucasus, Kazakhstan, Siberia, N Mongolia. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Katav-Ivanovsk district, coast of the river Tyulyuk, 25-30.05.1998, 16 ex.; Chelyabinsk reg., Uvelka district, coast of the river Kabanka, 2-5.06.1999, 17 ex.

Subgenus *Gonioctena* (*Goniomena*) MOTSCHULSKY, 1860

***G. (Goniomena) pallida* (LINNAEUS, 1758)**

LAGUNOV & NOVOZHENOV, 1996: 70; GUS'KOVA 2002: 35.

D i s t r i b u t i o n : Europe, Siberia, Mongolia. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., 31.05.1981, 15.06.1982, 2 ex. in a collection of reserve; Chelyabinsk reg., Kopeisk, 13.06.1996, 5 ex.

Genus *Cercyonops* JACOBSON, 1900

***C. caraganae* (GEBLER, 1823)**

OLSHVANG, 1986: 56; GUS'KOVA 2002: 40.

Distribution: Europe, W and Middle Siberia, Altai, Sayan. Southern Ural: forest zone.

Material: Bolshoi Iremel, mountain tundra, (V.N. Olshvang).

Genus *Phratora* CHEVROLAT in DEJEAN, 1837

(*Phyllosecta* KIRBY, 1837)

Subgenus *Phratora* (*Phratora*) CHEVROLAT in DEJEAN, 1837

***Ph. (Phratora) atrovirens* (CORNELIUS, 1857)**

LAGUNOV & NOVOZHENOV, 1996: 70; GUS'KOVA 2002: 38.

Distribution: Europe, Siberia, Mongolia. Southern Ural: forest, forest-steppe zone.

Material: Chelyabinsk reg., Ilmensky Res., 2.06.1982, 26.06.1985, 2 ex. in a collection of reserve; Chelyabinsk reg., Uvelka district, village Uvelka, 27.06.1997, 5 ex.

***Ph. (Phratora) laticollis* (SUFFRIAN, 1851)**

LAGUNOV & NOVOZHENOV, 1996: 71; GUS'KOVA 2002: 38.

Distribution: Europe, Kazakhstan, Siberia, Sakhaline, Japan, Mongolia, China, N Africa. Southern Ural: forest zone.

Material: Chelyabinsk reg., Ilmensky Res., mountain Lysaya, 17.08.1983, (R. Aglyamzyanov), 1 ex. in a collection of reserve.

***Ph. (Phratora) vitellinae* (LINNAEUS, 1758)**

JACOBSON, 1897: 436; LAGUNOV & NOVOZHENOV, 1996: 71; GUS'KOVA 2002: 38.

Distribution: Europe, Kazakhstan, Siberia, Sakhaline, Japan, Mongolia. China, N Africa. Southern Ural: forest, forest-steppe zone.

Material: Chelyabinsk reg., Chebarcul district, Kisegach, 13.07.1996, 5 ex.; Chelyabinsk, 2.07.1999, 3 ex.

Subgenus *Phratora* (*Chaetoceroides*) E. STRAND, 1935

***Ph. (Chaetoceroides) vulgatissima* (LINNAEUS, 1758)**

=*Ph. longulus* MOTSCHULSKY, 1860

JACOBSON, 1897: 436; VORONCOWSKI, 1922: 48; LAGUNOV & NOVOZHENOV, 1996: 71; GUS'KOVA 2002: 38.

Distribution: All over Holarctic. Southern Ural: forest zone.

Material: Chelyabinsk reg., Katav-Ivanovsk district, Tyulyuk, 21.07.1997, 9 ex.

Subfamily Galerucinae LATREILLE, 1802

Genus *Galerucella* CROTCH, 1873

Subgenus *Galerucella* (*Galerucella*) CROTCH, 1873

***G. (Galerucella) grisescens* (JOANNIS, 1866)**

LAGUNOV & NOVOZHENOV, 1996: 71; GUS'KOVA 2002: 43.

Distribution: Europe, Siberia, Kazakhstan, Sakhaline, Japan, Mongolia, China. Southern Ural: forest zone.

Material: Chelyabinsk reg., Ilmensky Res., coast of the lake Miassovo, 7.06.1985, 20 ex. in a collection of reserve; Chelyabinsk reg., Chebarcul district, Kisegach, 12.06.1996, 13 ex.

***G. (Galerucella) nymphaeae* (LINNAEUS, 1758)**

LAGUNOV & NOVOZHENOV, 1996: 71; GUS'KOVA 2002: 43.

Distribution: All over Palearctic. Southern Ural: forest, forest-steppe, steppe zone.

Material: Chelyabinsk reg., Kartaly district, the river Karagaily-Aiyat, 5-13.07.1997, 34 ex.; Chelyabinsk reg., Argayash district, lake Argayash, 14.06.1998, 13 ex.; Chelyabinsk reg., Chebarcul district, lake Elanchik, 8.08.1998, 50 ex.

Subgenus *Galerucella* (*Neogalerucella*) CHÛJÔ, 1962

***G. (Neogalerucella) calmariensis* (LINNÉ, 1767)**

GUS'KOVA 2002: 43.

Distribution: Europe, Kazakhstan, Siberia, Sakhaline, Japan, China, Mongolia. Southern Ural: forest, forest-steppe zone.

Material: Chelyabinsk reg., Chebarcul district, Kisegach, 5.06.1998, 8 ex.; Chelyabinsk reg., Argayash district, village Kuzneckoe, 14.06.1998, 3 ex.

***G. (Neogalerucella) lineola* (FABRICIUS, 1781)**

LAGUNOV & NOVOZHENOV, 1996: 72; GUS'KOVA 2002: 42.

Distribution: Europe, Kazakhstan, Siberia, Sakhaline, China, Japan, N Africa. Southern Ural: forest, forest-steppe zone.

Material: Chelyabinsk reg., Ilmensky Res., 16.05.1976, 6.06.1984, 2 ex. in a collection of reserve; Chelyabinsk reg., Chebarcul district, Kisegach, 5.06.1998, 3 ex.

***G. (Neogalerucella) pusilla* (DUFTSCHMID, 1825)**

LAGUNOV & NOVOZHENOV, 1996: 72; GUS'KOVA 2002: 43.

Distribution: Europe, Caucasus, Kazakhstan, Middle Asia, southern parts of Siberia, Mongolia. Southern Ural: forest zone.

Material: Chelyabinsk reg., Ilmensky Res., Bolshoe Miassovo, 7.06.1985, 3 ex. in a collection of reserve.

***G. (Neogalerucella) tenella* (LINNAEUS, 1761)**

LAGUNOV & NOVOZHENOV, 1996: 72; UTKIN, 1999: 114; GUS'KOVA 2002: 43.

D i s t r i b u t i o n : Europe, Kazakhstan, Siberia, Sakhaline, Japan, Mongolia, China. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Chebarcul district, Kisegach, 16.06.1997, 33 ex.; Chelyabinsk reg., Argayash district, village Kuzneckoe, 25.05.1998, 43 ex.

Genus *Pyrrehalta* JOANNIS, 1866

***P. viburni* (PAYKULL, 1799)**

JACOBSON, 1897: 436; LAGUNOV & NOVOZHENOV, 1996: 72; GUS'KOVA 2002: 42.

D i s t r i b u t i o n : Europe, Caucasus, N Kazakhstan, W Siberia. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., 23.08.1983, 1 ex. in a collection of reserve; Chelyabinsk reg., Argayash district, village Kuzneckoe, 5.06.1998, 13 ex.

Genus *Lochmaea* WEISE, 1883

***L. caprea* (LINNAEUS, 1758)**

= *L. capreae* auct.

JACOBSON, 1897: 436; LAGUNOV & NOVOZHENOV, 1996: 71; PAVLOV, 1998: 259; UTKIN, 1999: 112; GUS'KOVA 2002: 41.

D i s t r i b u t i o n : Europe, Caucasus, Kazakhstan, W and Middle Siberia, S and Middle Yakutia. Southern Ural: forest, forest-steppe, steppe zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., Bolshoe Miassovo, 7.06.1985, 1 ex. in a collection of reserve; Kurgan reg., 15.07.1993, in a collection of ZMKU; Chelyabinsk reg., Kartaly district, coast of the river Karagaily-Aiyat, 3-15.07.1997, 27 ex.

***L. crataegi* (FORSTER, 1771)**

GUS'KOVA, 1999: 65; 2001: 42.

D i s t r i b u t i o n : forest and forest-steppe zone of Palaearctic. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Chebarcul district, Kisegach, 5.06.1998, 9 ex.; Chelyabinsk reg., Argayash district, village Kuzneckoe, 30.06.1998, 9 ex.

Genus *Galeruca* GEOFFROY, 1762

Subgenus *Galeruca* (*Galeruca*) GEOFFROY, 1762

***G. (Galeruca) interrupta circumdata* (DUFTSCHMID, 1825)**

LAGUNOV & NOVOZHENOV, 1996: 71.

D i s t r i b u t i o n : Europe, Siberia, Tibet, Mongolia, China. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., 22.09.1983, 1 ex. in a collection of reserve; Chelyabinsk reg., Chebarkul, 12.06.1997, 2 ex.

***G. (Galeruca) laticollis* SAHLBERG, 1838**

ESYUNIN & KOZMINYH, 1992: 64; LAGUNOV & NOVOZHENOV, 1996: 71; GUS'KOVA 2002: 40.

D i s t r i b u t i o n : Europe, Siberia, N Mongolia. Southern Ural: forest, forest-steppe, steppe zone.

M a t e r i a l : Chelyabinsk reg., Kartaly district, village Varshavka, 7.07.1996, 13 ex.; Chelyabinsk reg., Chebarcul district, Kisegach, 5.06.1998, 4 ex.; Chelyabinsk reg., Argayash district, village Kuzneckoe, 17.06.1998, 3 ex.

***G. (Galeruca) pomonae* (SCOPOLI, 1763)**

VORONCOWSKI, 1922: 48; LAGUNOV & NOVOZHENOV, 1996: 71; PAVLOV, 1998: 259; GUS'KOVA, 1999: 64; 2002: 41; UTKIN, 1999: 112.

D i s t r i b u t i o n : Europe, Kazakhstan, Siberia, W and N Mongolia. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Kurgan reg., Kurgan, 15.06.1998, in a collection of ZMKU; Chelyabinsk reg., Chebarcul district, Kisegach, 5.06.1998, 18 ex.

***G. (Galeruca) tanacetii* (LINNAEUS, 1758)**

JACOBSON, 1897: 436; VORONCOWSKI, 1922: 48; ESYUNIN & KOZMINYH, 1992: 64; LAGUNOV & NOVOZHENOV, 1996: 71; PAVLOV, 1998: 259; GUS'KOVA, 1999: 64; 2002: 41.

D i s t r i b u t i o n : Europe, Caucasus, Middle Asia, W Siberia, Altai. Southern Ural: forest, forest-steppe, steppe zone.

M a t e r i a l : Kurgan reg., village Temlyakovo, 7.07.1993, in a collection of ZMKU; Chelyabinsk reg., Kartaly district, village Varshavka, 15.07.1997, 12 ex.; Chelyabinsk reg., Chebarcul district, Kisegach, 5.06.1998, 5 ex.

Subgenus *G a l e r u c a* (*E m a r h o p a*) J. WEISE, 1886

***G. (Emarhopa) rufa* GERMAR, 1824**

GUS'KOVA 2002: 41.

D i s t r i b u t i o n : Europe. Southern Ural: forest-steppe, steppe zone.

M a t e r i a l : Chelyabinsk reg., Uvelka district, village Uvelka, 17.06.1997, 3 ex.; Chelyabinsk reg., Kartaly district, village Varshavka, 15.07.1997, 2 ex.

Genus *P a l l a s i o l a* JACOBSON, 1925

***P. absinthii* (PALLAS, 1773)**

ESYUNIN & KOZMINYH, 1992: 64; MIKHAILOV, 1997b: 69; 1997a: 188; GUS'KOVA 2002: 44.

D i s t r i b u t i o n : Kazakhstan, southern parts of Siberia, Far East, N China, Mongolia. Southern Ural: forest-steppe, степная zone.

M a t e r i a l : Kurgan reg., village Temlyakovo, 6.07.1993, in a collection of ZMKU; Chelyabinsk reg., Kartaly district, village Varshavka, 6-19.07.1996, 23 ex.

Genus *A g e l a s t i c a* CHEVROLAT in DEJEAN, 1837

***A. alni* (LINNAEUS, 1758)**

GUS'KOVA 2002: 44.

D i s t r i b u t i o n : Europe, Kazakhstan, W Siberia. Southern Ural: forest, forest-steppe zone.

Material: Chelyabinsk reg., Kopeisk, 14.06.1996, 3 ex.; Chelyabinsk reg., Miass, 21.06.1997, 1 ex.

Genus *Phyllobrotica* CHEVROLAT in DEJEAN, 1837

***Ph. quadrimaculata* (LINNAEUS, 1758)**

JACOBSON, 1897: 436; ESYUNIN & KOZMINYH, 1992: 64; LAGUNOV & NOVOZHENOV, 1996: 71; GUS'KOVA, 1998: 105; 2002: 42.

Distribution: Europe, N Kazakhstan, W Siberia, Sayan, Transbaikalia. Southern Ural: forest, forest-steppe, steppe zone.

Material: Chelyabinsk reg., Ilmensky Res., 18.07.1984, 3 ex., Chelyabinsk reg., Kartaly district, village Varshavka, 12.07.1997, 2 ex.; Chelyabinsk reg., Argayash district, village Kuzneckoe, 15.06.1998, 5 ex.

Genus *Exosoma* JACOBY, 1903

***E. collare* (HUMMEL, 1825)**

ESYUNIN & KOZMINYH, 1992: 64; GUS'KOVA 2002: 44.

Distribution: Europe, Caucasus, Kazakhstan, southern parts of W Siberia. Southern Ural: forest-steppe, steppe zone.

Material: Chelyabinsk reg., Troick district, village Berezniki, 30.07.1996, 3 ex.; Chelyabinsk reg., Argayash district, village Kuzneckoe, 5.06.1998, 1 ex.

Genus *Luperus* GEOFFROY, 1762

***L. flavipes* (LINNÉ, 1767)**

JACOBSON, 1897: 436; GUS'KOVA 2002: 44.

Distribution: Europe, Siberia, N Mongolia. Southern Ural: forest zone.

Material: Chelyabinsk reg., Chebarcul district, Kisegach, 16.06.1997, 11 ex.

***L. viridipennis* GERMAR, 1824**

GUS'KOVA 2002: 44.

Distribution: E Europe, Siberia, Mongolia. Southern Ural: forest zone.

Material: Chelyabinsk reg., Chebarcul district, Kisegach, 14.06.1997, 3 ex.

Subfamily *Alticinae* NEWMAN, 1834

Genus *Neocrepidodera* HEIKERTINGER, 1911

(*Asiolestia* JACOBSON, 1925; *Crepidodera* auct. non CHEVROLAT in DEJEAN, 1836)

***N. crassicornis* (FALDERMANN, 1837)**

SHCHUTAK, 1957: 8; CHASHCHINA, 2008: 47.

Distribution: S and SE Europe, Ciscaucasia, Caucasus, Transcaucasus, Turkey, Kazakhstan. Southern Ural: forest, forest zone.

Material: Bashkortostan, Irgizly, 29.07.2000, 5 ex (A.O. Bieńkowski).

***N. ferruginea* (SCOPOLI, 1763)**

LAGUNOV & NOVOZHENOV, 1996: 72; CHASHCHINA, 2008: 48

Distribution: Europe, Caucasus, Middle Asia, W Siberia, Sayan. Southern Ural: forest, forest-steppe zone.

Material: Chelyabinsk reg., Kopeisk, 14.06.1996, 5 ex.; Chelyabinsk reg., Chebarcul district, Kisegach, 14.06.1997, 3 ex.

***N. interpunctata* (MOTSCHULSKY, 1859)**

SHCHUTAK, 1957: 8; LAGUNOV & NOVOZHENOV, 1996: 72; GUS'KOVA 2002: 46; CHASHCHINA, 2008: 48

Distribution: N Europe, Siberia, Japan. Southern Ural: forest, forest-steppe zone.

Material: Chelyabinsk reg., Ilmensky Res., 2.07.1984, 2 ex. in a collection of reserve; Chelyabinsk reg., Uvelka district, village Kichigino, 3.06.1997, 3 ex.

***N. motschulskii* (KONSTANTINOV, 1991)**

CHASHCHINA, 2002: 74; 2008: 48; GUS'KOVA 2002: 46

Distribution: Europe, Caucasus, Kazakhstan. Southern Ural: forest-steppe, steppe zone.

Material: Chelyabinsk reg., Ilmensky Res., 20.06.1998, 6 ex.; Chelyabinsk reg., Alekseevka, 29.06.2001— 1 ex.; Chelyabinsk reg., Arkaim, 30.06.2001, 1 ex. (O.E. Chashchina)

***N. transversa* (MARSHAM, 1802)**

CHASHCHINA, 2002: 74; 2008: 48

Distribution: Europe, Caucasus, Kazakhstan. Southern Ural: forest-steppe, steppe zone.

Material: Chelyabinsk reg., Ilmensky Res., 2.07.1984, 1 ex. (A.V. Lagunov); Chelyabinsk reg., Ilmensky Res., 16.07.1997, 1 ex. (O.E. Chashchina); Bashkortostan, lake Uzun-Kul 16.08.1938, 1 ex. (O.L. Kryzhanovski).

Genus *Crepidodera* CHEVROLAT in DEJEAN, 1836

(*Chalcoides* FOU DRAS, 1860)

***Cr. aurata* (MARSHAM, 1802)**

CHASHCHINA, 2002: 371; 2008: 48.

Distribution: Europe, Siberia. Southern Ural: forest-steppe, steppe zone.

Material: Chelyabinsk reg., Ilmensky Res., 14.06.2005, 2 ex. (O.E. Chashchina); Chelyabinsk reg., Ilmensky Res., lake Demidovskoe, 18.07.2005, 1 ex. (O.E. Chashchina).

***Cr. fulvicornis* (FABRICIUS, 1792)**

ESYUNIN & KOZMINYH, 1992: 65; GUS'KOVA 2002: 48; CHASHCHINA, 2008: 48

Distribution: forest and steppe zone Palaearctic. Southern Ural: forest-steppe, steppe zone.

Material: Chelyabinsk reg., Bredy district, village Morozovka, 30.07.1998, 2 ex.; Chelyabinsk reg., Uvelka district, village Peschanoe, 13.06.1999, 1 ex.

***Cr. nitidula* (LINNAEUS, 1758)**

LAGUNOV & NOVOZHENOV, 1996: 72; GUS'KOVA 2002: 48; CHASHCHINA, 2008: 48;

Distribution: Europe, W Siberia. Southern Ural: forest, forest-steppe zone.

Material: Chelyabinsk reg., Ilmensky Res., 26.08.1982, 1 ex. in a collection of reserve;
Chelyabinsk reg., Uvelka district, village Kichigino, 14.06.1996, 3 ex.

Genus *Dero crepis* WEISE, 1886

***D. rufipes* (LINNAEUS, 1758)**

JACOBSON, 1897: 436; LAGUNOV & NOVOZHENOV, 1996: 72; GUS'KOVA, 1998: 105; 1999: 65;
2002: 48; CHASHCHINA, 2008: 49.

Distribution: Europe, Caucasus, W Siberia. Southern Ural: forest, forest-steppe zone.

Material: Chelyabinsk reg., Uvelka district, village Peschanoe, 13.06.1999, 5 ex.;
Chelyabinsk reg., Kartaly district, village Varshavka, 16.07.1996, 1 ex.

Genus *Hippuriphila* FOUDRAS, 1860

***H. modeeri* (LINNAEUS, 1761)**

OLSHVANG, 1986: 56; GUS'KOVA 2002: 53; GUS'KOVA 2002: 53; CHASHCHINA, 2008: 49.

Distribution: All over Palaearctic. Southern Ural: forest zone.

Material: Chelyabinsk reg., Katav-Ivanovsk district, Tyulyuk, 20-22.07.1997, 3 ex.

Genus *Epitrix* FOUDRAS, 1860

***E. pubescens* (KOCH, 1803)**

LAGUNOV & NOVOZHENOV, 1996: 724; GUS'KOVA 2002: 48; CHASHCHINA, 2008: 49.

Distribution: Europe, Caucasus, Kazakhstan, Asia Minor, W Siberia. Southern Ural:
forest, forest-steppe zone.

Material: Chelyabinsk reg., Ilmensky Res., 25.06.1983, 1 ex. in a collection of reserve.

Genus *Phyllotreta* CHEVROLAT in DEJEAN, 1837

***Ph. armoraciae* (KOCH, 1803)**

LAGUNOV & NOVOZHENOV, 1996: 74; GUS'KOVA, 1999: 64; 2002; CHASHCHINA, 2008: 49.

Distribution: Europe, Kazakhstan, Siberia, Sakhaline, Japan, China, Mongolia.
Introduced to N America. Southern Ural: forest, forest-steppe, steppe zone.

Material: Chelyabinsk reg., Ilmensky Res., 9.06.1982, 17.06.1984, 2 ex.; Chelyabinsk reg.,
Bredy district, village Morozovka, 30.07.1998, 3 ex.

***Ph. atra* (FABRICIUS, 1775)**

LAGUNOV & NOVOZHENOV, 1996: 74; GUS'KOVA, 1999: 64; CHASHCHINA, 2008: 49.

Distribution: Europe, Kazakhstan, Siberia, Sakhaline, Japan, China, Mongolia. Southern
Ural: forest, forest-steppe, steppe zone.

Material: Chelyabinsk reg., Ilmensky Res., 9.06.1982, 17.06.1984, 2 ex.; Chelyabinsk reg.,
Bredy district, village Morozovka, 30.07.1998, 3 ex.

***Ph. misella* JACOBSON, 1901**

CHASHCHINA, 2002: 371; CHASHCHINA, 2008: 50.

D i s t r i b u t i o n : Middle Siberia, Transbaikalia, Mongolia, N China. Southern Ural: forest zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., 6.07.2002, 6 ex. (O.V. Chashchina).

***Ph. nemorum* (LINNAEUS, 1758)**

CHASHCHINA, 2008: 50.

D i s t r i b u t i o n : Europe, Caucasus, S Siberia to Amurland, Mongolia, Korea. Introduced to Australia. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Kirovskoe, 14.06.2004, 1 ex. (O.E. Chashchina).

***Ph. ochripes* (CURTIS, 1837)**

CHASHCHINA, 2008: 50.

D i s t r i b u t i o n : Europe except for N, Caucasus, Iran, S Siberia to Amurland, Mongolia, Southern Ural: steppe zone.

M a t e r i a l : Chelyabinsk reg., Stepnoe, 3.07.2005, 2 ex. (O.E. Chashchina).

***Ph. pallidipennis* REITTER, 1891**

CHASHCHINA, 2008: 50.

D i s t r i b u t i o n : S Ukraine, SE European Russia, Ciscaucasia, Dagestan, Turkey, Central Asia, Afghanistan, Iran, SW Siberia, Altai, Baikal Area, Transbaikalia Mongolia, NE China. Southern Ural: steppe zone.

M a t e r i a l : Chelyabinsk reg., Arkaim, 3.07.2001, 1 ex. (O.E. Chashchina).

***Ph. striolata* (FABRICIUS, 1803)**

LAGUNOV & NOVOZHENOV, 1996: 74; GUS'KOVA 2002: 52; CHASHCHINA, 2008: 50.

D i s t r i b u t i o n : All over Holarctic. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., 13.07.1981, 1 ex. in a collection of reserve; Chelyabinsk reg., Uvelka district, village Uvelka, 13.06.1997, 4 ex.

***Ph. tetrastigma* (COMOLLI, 1837)**

CHASHCHINA, 2008: 50.

D i s t r i b u t i o n : Europe, W and Middle Siberia. Southern Ural: steppe zone.

M a t e r i a l : Chelyabinsk reg., Stepnoe, 3.07.2005, 1 ex. (O.E. Chashchina).

***Ph. undulata* KUTSCHERA, 1860**

OLSHVANG, 1986: 56; LAGUNOV & NOVOZHENOV, 1996: 74; GUS'KOVA, 1999: 64; 2005: 52; CHASHCHINA, 2008: 50.

D i s t r i b u t i o n : Europe, Kazakhstan, Siberia, Japan, Sakhaline, China, Mongolia. Southern Ural: forest, forest-steppe, steppe zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., 17.06.1984, 1 ex. in a collection of reserve; Chelyabinsk reg., Bredy district, village Morozovka, 30.07.1998, 1 ex.

***Ph. vittula* (L. REDTENBACHER, 1849)**

ESYUNIN & KOZMINYH, 1992: 65; LAGUNOV & NOVOZHENOV, 1996: 74; GUS'KOVA, 1999: 64; 2002: 52; CHASHCHINA, 2008: 50.

D i s t r i b u t i o n : Europe, Kazakhstan, Siberia, Japan, Sakhaline, China, Mongolia. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Katav-Ivanovsk district, Tyulyuk, 20-22.07.1997, 2 ex.

Genus *L o n g i t a r s u s* LATREILLE, 1829

***L. apicalis* (BECK, 1817)**

LAGUNOV & NOVOZHENOV, 1996: 73; GUS'KOVA 2002: 49.

D i s t r i b u t i o n : Europe, S and Middle Siberia. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., 13.06.1981, 1 ex. in a collection of reserve; Chelyabinsk reg., Uvelka district, village Peschanoe, 13.06.1999, 3 ex.

***L. atricillus* (LINNAEUS, 1761)**

CHASHCHINA, 2008: 51.

D i s t r i b u t i o n : Europe except for N, Transcaucasia, Middle East, Turkmenistan, Uzbekistan, N Africa. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Bashkortostan, Irgizly, 25.07.2000, 1 ex (A.O. Bieńkowski).

***L. brunneus* (DUFTSCHMID, 1825)**

CHASHCHINA, 2008: 51.

D i s t r i b u t i o n : Europe, Caucasus, Transcaucasia, SE Kazakhstan, Kirghizstan, W and Middle Siberia, Cisbaikalia, Amurland, Far East, Korea. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., 12.06.1997, 3 ex. (O.E. Chashchina);

***L. exsoletus* (LINNAEUS, 1758)**

CHASHCHINA, 2008: 51.

D i s t r i b u t i o n : Europe except for N, Transcaucasia, Middle East, Turkmenistan. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Uvelka district, village Krasnogorsk, 13.VI.2005.

***L. holsaticus* (LINNAEUS, 1758)**

LAGUNOV & NOVOZHENOV, 1996: 73; GUS'KOVA 2002: 49; CHASHCHINA, 2008: 52.

D i s t r i b u t i o n : Europe, Transbaikalia. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Katav-Ivanovsk district, Tyulyuk, 25.07.1997, 3 ex.; Chelyabinsk reg., Argayash district, village Kuzneckoe, 1.07.1998, 2 ex.

***L. jacobaeae* (WATERHOUSE, 1858)**

ESYUNIN & KOZMINYH, 1992: 65; LAGUNOV & NOVOZHENOV, 1996: 73; GUS'KOVA, 1999: 65; 2002: 49; CHASHCHINA, 2008: 52.

D i s t r i b u t i o n : Europe, Kazakhstan, Siberia, Mongolia. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., 10.09.1982, 25.07.1983, 2 ex. in a collection of reserve; Chelyabinsk reg., Kartaly district, village Varshavka, 16.07.1996, 13 ex.

***L. lewisii* (BALY, 1874)**

CHASHCHINA, 2002: 371; 2008: 52.

D i s t r i b u t i o n : Europe except for N, Transcaucasia, Turkey, Iran, Caucasus, Kirghizstan, Afghanistan, Siberia, Sakhalin, Kuriles Isles, Ear East, Mongolia, China, Korea, Japan, Taiwan, N Vietnam. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., 31.05.2005, 1 ex. (O.E. Chashchina).

***L. longiseta* WEISE, 1889**

CHASHCHINA, 2008: 52.

D i s t r i b u t i o n : Europe except for S and N, Transcaucasia, E Siberia, Martin Prov., NE China, Korea, Japan, Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Biyanka 7.06.1997, 1 ex. (A.V. Lagunov); Bashkortostan, Kurgashevo 16.08.1938, 1 ex. (O.E. Chashchina).

***L. luridus* (SCOPOLI, 1763)**

ESYUNIN & KOZMINYH, 1992: 65; LAGUNOV & NOVOZHENOV, 1996: 73; GUS'KOVA, 1999: 65; 2002: 49; CHASHCHINA, 2008: 52.

D i s t r i b u t i o n : Europe, Kazakhstan, Siberia, Sakhaline, Japan, Mongolia, China. Southern Ural: forest, forest-steppe, steppe zone.

M a t e r i a l : Chelyabinsk reg., Katav-Ivanovsk district, Tyulyuk, 25.09.1997, 7 ex.; Chelyabinsk reg., Argayash district, village Kuzneckoe, 1.09.1998, 5 ex.; Chelyabinsk reg., Bredy district, village Morozovka, 30.09.1998, 2 ex.

***L. medvedevi* SHAPIRO, 1956**

CHASHCHINA, 2008: 52.

D i s t r i b u t i o n : Central, SE and E, Uzbekistan. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., 6.07.2002, 1 ex. (O.E. Chashchina); Bashkortostan, Irgizly, 29.07.2000, 1 ex. (A.O. Bieńkowski).

***L. melanocephalus* (DEGEER, 1775)**

LAGUNOV & NOVOZHENOV, 1996: 73; GUS'KOVA 2002: 50; CHASHCHINA, 2008: 52.

D i s t r i b u t i o n : Europe, Kazakhstan, Middle Asia, Siberia, Mongolia. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Katav-Ivanovsk district, Tyulyuk, 25.07.1997, 3 ex.; Chelyabinsk reg., Uvelka district, village Uvelka, 30.08.1998, 5 ex.

***L. minimus* KUTSCHERA, 1863**

CHASHCHINA, 2008: 52.

D i s t r i b u t i o n : S and Central Europe, S Siberia. Southern Ural: forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Biyanka 7.06.1997, 1 ex. (A.V. Lagunov).

***L. monticola* KUTSCHERA, 1863**

BIENKOWSKI, 2004: 111; CHASHCHINA, 2008: 53.

D i s t r i b u t i o n : Mountains of W and Central Europe, S Europe, Caucasus, Tajikistan. Southern Ural: forest-steppe zone.

M a t e r i a l : Bashkortostan, Irgizly, 29.07.2000, 1 ex. (A.O. Bieńkowski).

***L. nasturtii* (FABRICIUS, 1792)**

LAGUNOV & NOVOZHENOV, 1996: 73; GUS'KOVA, 1999: 65; 2002: 50; CHASHCHINA, 2008: 53.

D i s t r i b u t i o n : Europe, Siberia, Mongolia. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., 5.06.1981, 1 ex. in a collection of reserve; Chelyabinsk reg., Argayash district, village Kuzneckoe, 1.07.1998, 3 ex.

***L. nigerrimus* (GYLLENHAL, 1827)**

CHASHCHINA, 2002: 371; 2008: 53.

D i s t r i b u t i o n : Europe, Caucasus, Sayan. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., 1996-1998 (O.E. Chashchina).

***L. nigrofasciatus* (GOEZE, 1777)**

CHASHCHINA, 2008: 53.

D i s t r i b u t i o n : Europe except for N, E Caucasus, Turkey, Near and Middle East, Afghanistan, Kazakhstan, Central. Europe, W Siberia. Southern Ural: forest zone.

M a t e r i a l : Bashkortostan, Irgizly, 24.07.2000, 1 ex. (A.O. Bieńkowski).

***L. obliteratus* (ROSENHAUER, 1847)**

JACOBSON, 1897: 436; LAGUNOV & NOVOZHENOV, 1996: 73; GUS'KOVA, 1999: 65; 2002: 50; CHASHCHINA, 2008: 53.

D i s t r i b u t i o n : Europe, Caucasus, Kazakhstan, SW Siberia. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., 27.07.1983, 1 ex. in a collection of reserve; Chelyabinsk reg., Kopeisk, 13.06.1996, 2 ex.

***L. pellucidus* (FOUDRAS, 1860)**

LAGUNOV & NOVOZHENOV, 1996: 73; GUS'KOVA, 2002: 50; CHASHCHINA, 2008: 53.

D i s t r i b u t i o n : Europe, Kazakhstan, Middle Asia, W Mongolia. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Kopeisk, 13.06.1996, 3 ex.; Chelyabinsk reg., Chebarcul district, Kisegach, 15.06.1997, 5 ex.

***L. pratensis* (PANZER, 1794)**

CHASHCHINA, 2008: 53.

D i s t r i b u t i o n : Europe, Caucasus, Turkey, Near and Middle East, Afghanistan, Central Asia, N Africa. Introduced to N America. Southern Ural: forest zone.

M a t e r i a l : Bashkortostan, Irgizly, 24.07.2000, 1 ex. (A.O. Bieńkowski)

***L. salviae* GRUEV, 1975**

BIENKOWSKI, 2004: 111; CHASHCHINA, 2008: 53.

D i s t r i b u t i o n : Europe except for N and E, Crimea, Caucasus. Southern Ural: forest zone.

M a t e r i a l : Bashkortostan, Irgizly, 29.07.2000, 1 ex. (A.O. Bieńkowski).

***L. succineus* (FOUDRAS, 1860)**

BIENKOWSKI, 2004: 111; CHASHCHINA, 2008: 54.

D i s t r i b u t i o n : All over Palaearctic. Introduced to N America. Southern Ural: forest zone.

M a t e r i a l : Chelyabinsk reg., Biyanka 7.06.1997, 1 ex. (A.V. Lagunov); Bashkortostan, Irgizly, 29.07.2000, 5 ex. (A.O. Bieńkowski).

***L. suturellus* (DUFTSCHMID, 1825)**

CHASHCHINA, 2008: 53.

D i s t r i b u t i o n : All over Palaearctic except for Mediterranean. Southern Ural: forest zone.

M a t e r i a l : Bashkortostan, Idrisovo, 12.06.2001, 1 ex. (O.E. Chashchina).

***L. tabidus* (FABRICIUS, 1775)**

LAGUNOV & NOVOZHENOV, 1996: 73; GUS'KOVA, 1999: 65; 2002: 51; CHASHCHINA, 2008: 53.

D i s t r i b u t i o n : Europe, Kazakhstan, Middle Asia, W Siberia, Mongolia. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Katav-Ivanovsk district, Tyulyuk, 20-22.07.97, 12 ex.; Chelyabinsk reg., Chebarcul district, Kisegach, 16.06.99, 11 ex.

Genus *A p h t h o n a* CHEVROLAT in DEJEAN, 1837

***A. abdominalis* (DUFTSCHMID, 1825)**

LAGUNOV & NOVOZHENOV, 1996: 72; GUS'KOVA, 2002: 45; CHASHCHINA, 2008: 53.

D i s t r i b u t i o n : Europe, Kazakhstan. Southern Ural: forest zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., coast of the river BOLSHOE Miassovo, 7.06.1985, 1 ex. in a collection of reserve; Chelyabinsk reg., Chebarcul district, Kisegach, 14.06.1997, 1 ex.

***A. beckeri* JACOBSON, 1896**

CHASHCHINA, 2008: 54.

D i s t r i b u t i o n : Southen E Europe, Caucasus, W Kazakhstan, Siberia, Mongolia. Southern Ural: steppe zone.

M a t e r i a l : Chelyabinsk reg., Arkaim, 1.07.2001, 1 ex. (O.E. Chashchina).

***A. cyparissiae* (KOCH, 1803)**

CHASHCHINA, 2002: 371; 2008: 54.

Distribution: Canada, USA, Europe, Caucasus. Southern Ural: Southern Ural: forest-steppe zone.

Material: Chelyabinsk reg., Ilmensky Res., 6.07.2002, 1 ex. (O.E. Chashchina).

***A. czwalinae* J. WEISE, 1889**

CHASHCHINA, 2008: 54.

Distribution: Europe except for N, Kazakhstan, Kirghizstan, W Siberia, Tuva, Mongolia. Southern Ural: steppe zone.

Material: Chelyabinsk reg. Verhneuralsk district, coast of the river Kizil, 19.VI.2005, 1 ex.

***A. erichsoni* (ZETTERSTEDT, 1838)**

CHASHCHINA, 2008: 54.

Distribution: N Europe, Siberia, Far East, Kamchatka, Mongolia. Southern Ural: forest zone.

Material: Chelyabinsk reg. Ilmensky Res., 1996-1998 (O.E. Chashchina).

***A. gracilis* FALDERMANN, 1837**

CHASHCHINA, 2008: 54.

Distribution: SE Europe, Caucasus, Turkey, S Kazakhstan, Transbaikalia, Mongolia. Siberia. Southern Ural: forest zone.

Material: Bashkortostan, Irgizly, 24.07.2000, 1 ex. (A.O. Bieńkowski).

***A. lutescens* (GYLLENHAL, 1813)**

CHASHCHINA, 2002: 371; 2008: 54.

Distribution: Africa, Europe, Kazakhstan, W Siberia, Iran, Mongolia. Southern Ural: forest zone.

Material: Chelyabinsk reg. Ilmensky Res., 26.05.2000 (O.E. Chashchina).

***A. nigriscutis* FOUDRAS, 1860**

CHASHCHINA, 2008: 55.

Distribution: Central and SE Europe, Caucasus, W Kazakhstan. Introduced to N America. Southern Ural: forest-steppe zone.

Material: Chelyabinsk reg. Uvelka district, Krasnogorsk, 13.VI.2005, ♀.

***A. pallida* (BACH, 1856)**

CHASHCHINA, 2008: 55.

Distribution: SE Europe, Caucasus. Southern Ural: forest-steppe zone.

Material: Chelyabinsk reg. Ilmensky Res., 31.07.2000, 1 ex. (A.O. Bieńkowski).

***A. violacea* (KOCH, 1803)**

CHASHCHINA, 2002: 75; 2008: 55.

Distribution: Europe, Caucasus, S Siberia. Southern Ural: forest zone.

Material: Chelyabinsk reg. Ilmensky Res., 26.05.2000 (O.E. Chashchina).

Genus *Lyttharia* BEDEL, 1897

***L. salicariae* (PAUKULL, 1800)**

CHASHCHINA, 2008: 56.

Distribution: All over Palaearctic. Southern Ural: forest zone.

Material: Chelyabinsk reg., Karabash, 9.08.1987, 1 ex. (V.V. Oliner).

Genus *Batophila* FOUDRAS, 1860

***B. fallax* J. WEISE, 1888**

CHASHCHINA, 2008: 56.

Distribution: SE Europe, Caucasus, Turkey, Iran. Southern Ural: forest-steppe zone.

Material: Bashkortostan, Kapova cave, 24.07.2000, 1 ex. (A.O. Bieńkowski).

***B. rubi* (PAUKULL, 1799).**

CHASHCHINA, 2008: 56.

Distribution: Europe, Caucasus. Southern Ural: forest zone.

Material: Chelyabinsk reg. Ilmensky Res., 2.06.2005, 1 ex. (O.E. Chashchina).

Genus *Altica* GEOFFROY, 1762

***A. brevicollis* FOUDRAS, 1860**

PAVLOV, 1998: 259; UTKIN, 1999: 115; GUS'KOVA, 2002: 45; CHASHCHINA, 2008: 56.

Distribution: Europe, Caucasus, Kazakhstan, Mongolia, N China. Southern Ural: forest, forest-steppe zone.

Material: Kurgan reg., village Temlyakovo, 20.05.1992, in a collection of ZMKU; Chelyabinsk reg., Uvelka district, village Uvelka, 13.06.97, 45 ex.

***A. carduorum* GUERIN-MENEVILLE, 1858**

CHASHCHINA, 2008: 56.

Distribution: Europe except for N, Transcaucasia, Turkey, Kazakhstan. Introduced to N America. Southern Ural: forest zone.

Material: Chelyabinsk reg., Ilmensky Res., 26.05.2005, 1 ex. (B.M. Chichkov).

***A. deserticola* (J. WEISE, 1889)**

CHASHCHINA, 2008: 57.

Distribution: SE European, SW Kazakhstan, Transcaucasia, Turkey, Afghanistan, N and NW China, Mongolia, Taiwan. Southern Ural: steppe zone.

Material: Chelyabinsk reg., Bredy district, 30.08.1971, 1 ex. in a collection of ZISP.

***A. filipendulae* CHASHCHINA, 2006**

CHASHCHINA, 2006: 858.

D i s t r i b u t i o n : Southern Ural: forest zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., 28.05.2001.

***A. helianthemi* (ALLARD, 1859)**

CHASHCHINA, 2002: 371; 2008: 58.

D i s t r i b u t i o n : Europe, Caucasus, Kazakhstan, Siberia, Tuva, Yakutia. Southern Ural: forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Alekseevka, 29.06.2001.

***A. lythri* AUBE, 1843**

CHASHCHINA, 2002: 371; 2008: 58.

D i s t r i b u t i o n : Europe except for N. Southern Ural: forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., 28.05.2001, 2ex. (O.E. Chashchina).

***A. oleracea* (LINNAEUS, 1758)**

JACOBSON, 1897: 437; VORONCOWSKI, 1922: 48; LAGUNOV & NOVOZHENOV, 1996: 72; GUS'KOVA, 2002: 45; CHASHCHINA, 2008: 58.

D i s t r i b u t i o n : Europe, Kazakhstan, Siberia, Sakhaline, Japan, Mongolia, China. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Chebarcul district, Kisegach, 5-10.06.1996, 21 ex.; Chelyabinsk reg., Uvelka district, village Uvelka, 13.06.1997, 29 ex.

Genus *Chaetocnema* STEPHENS, 1832

Subgenus *Chaetocnema* (*Tlanoma*) MOTSCHULSKY, 1845

***Ch. (Tlanoma) breviscula* (FALDERMANN, 1837)**

GUS'KOVA, 2002: 47; CHASHCHINA, 2008: 58.

D i s t r i b u t i o n : Europe, Kazakhstan. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Uvelka district, village Kichigino, 14.06.1996, 2 ex.; Chelyabinsk reg., Katav-Ivanovsk district, Tyulyuk, 25.07.1997, 4 ex.

***Ch. (Tlanoma) concinna* (MARSHAM, 1802)**

= *Ch. heikertingeri* LJUBISCHTSHEV, 1963

DUBESKO & MEDVEDEV, 1989: 188; ESYUNIN & KOZMINYH, 1992: 65; LAGUNOV & NOVOZHENOV, 1996: 72; GUS'KOVA, 2002: 47; CHASHCHINA, 2008: 58.

D i s t r i b u t i o n : Europe, Kazakhstan, Siberia, Sakhaline, Japan, China, Mongolia. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Uvelka district, village Kichigino, 3.06.1997, 4 ex.; Chelyabinsk reg., Chebarcul district, Kisegach, 14.06.1997, 3 ex.

***Ch. (Tlanoma) laevicollis* (THOMSON, 1866)**

= *Ch. heikertingeri* LUBISCHEV, 1963

GUS'KOVA, 2002: 47; CHASHCHINA, 2002: 371; 2008: 58.

Distribution: N Africa, Europe, Caucasus, Siberia, Far East. Southern Ural: forest-steppe zone.

Material: Chelyabinsk reg., Ilmensky Res., 26.05.2000, 2ex. (O.E. Chashchina).

***Ch. (Tlanoma) nebulosa* WEISE, 1886**

LAGUNOV & NOVOZHENOV, 1996: 72; GUS'KOVA, 2002: 47.

Distribution: southern parts of Europe, Kazakhstan, Middle Asia, southern parts of Mongolia. Southern Ural: forest, forest-steppe zone.

Material: Chelyabinsk reg., Ilmensky Res., 7.06.1984, 3 ex. in a collection of reserve; Chelyabinsk reg., Uvelka district, village Uvelka, 13.06.1997, 11 ex.

***Ch. (Tlanoma) semicoerulea* (KOCH, 1803)**

CHASHCHINA, 2008: 59.

Distribution: Europe except for N, Transcaucasia, Turkey, Kazakhstan, W and Middle Siberia, Cisbaikalia. Southern Ural: steppe zone.

Material: Chelyabinsk reg., Stepnoe, 25.06.2005, 1 ex. (O.E. Chashchina).

***Ch. (Tlanoma) tibialis* (ILLIGER, 1807)**

LAGUNOV & NOVOZHENOV, 1996: 72; GUS'KOVA, 1999: 65; 2002:47; CHASHCHINA, 2008: 59.

Distribution: Europe, Caucasus, Middle Asia, W Sayan. Southern Ural: forest, forest-steppe zone.

Material: Chelyabinsk reg., Miass, 23.06.1997, 3 ex.; Chelyabinsk reg., Argayash district, village Kuzneckoe, 5.06.1998, 15 ex.

Subgenus *Chaetocnema* (*Chaetocnema*) STEPHENS, 1832

***Ch. aridula* (GYLLENHAL, 1827)**

JACOBSON, 1897: 436; UTKIN, 1999: 116; GUS'KOVA, 2002: 47; CHASHCHINA, 2008: 59.

Distribution: Europe, Kazakhstan, Siberia, NW Mongolia. Southern Ural: forest, forest-steppe zone.

Material: Chelyabinsk reg., Katav-Ivanovsk district, Tyulyuk, 25.07.1997, 1 ex.; Chelyabinsk reg., Argayash district, village Kuzneckoe, 1.07.1998, 2 ex.

***Ch. hortensis* (GEOFFROY, 1785)**

LAGUNOV & NOVOZHENOV, 1996: 72; UTKIN, 1999: 116; GUS'KOVA, 2002: 46; CHASHCHINA, 2008: 58.

Distribution: Europe, Kazakhstan, Siberia, Sakhaline, Japan, China, Mongolia. Southern Ural: forest, forest-steppe zone.

Material: Chelyabinsk reg., Miass, 23.06.1997, 7 ex.; Chelyabinsk reg., Argayash district, village Kuzneckoe, 25.06.1998, 13 ex.

***Ch. sahlbergii* (GYLLENHAL, 1827)**

GUS'KOVA, 2002: 47; CHASHCHINA, 2008: 59.

D i s t r i b u t i o n : Europe, Siberia. Southern Ural: forest-steppe, steppe zone.

M a t e r i a l : Chelyabinsk reg., Kartaly district, village Elizavetpolskoe, 5-19.07.96, 3 ex.; Chelyabinsk reg., Argayash district, village Kuzneckoe, 1.07.98, 1 ex.

Genus *M a n t u r a* STEPHENS, 1832

***M. chrysanthemi* (KOCH, 1803)**

CHASHCHINA, 2008: 59.

D i s t r i b u t i o n : Europe. Southern Ural: forest-steppe zone.

M a t e r i a l : Bashkortostan, Irgizly, 24.07.2000, 1 ex. (A.O. Bieńkowski).

***M. rustica* (LINNÉ, 1767)**

CHASHCHINA, 2008: 59.

D i s t r i b u t i o n : All over Palaearctic. Southern Ural: forest-steppe zone.

M a t e r i a l : Bashkortostan, Petrovka, 3.06.2001, 1 ex. (O.E. Chashchina).

Genus *A r g o p u s* FISCHER-WALDHEIM, 1824

***A. nigratarsis* (GEBLER, 1823)**

VORONCOWSKI, 1922: 48; PAVLOV, 1998: 259; UTKIN, 1999: 115; GUS'KOVA, 2002: 45; CHASHCHINA, 2008: 59.

D i s t r i b u t i o n : E Europe, Middle Asia, W Siberia, Sayan, Korea, Japan, Mongolia. Southern Ural: forest zone.

M a t e r i a l : Kurgan reg., village Temlyakovo, 28.05.1990, in a collection of ZMKU; Chelyabinsk reg., Chebarcul district, Kisegach, 14-16.06.97, 33 ex.

Genus *D i b o l i a* LATREILLE, 1829

***D. carpathica* WEISE, 1893**

CHASHCHINA, 2008: 59.

D i s t r i b u t i o n : SE Europe, Ciscaucasia, Turkey, SE Kazakhstan. Southern Ural: forest-steppe zone.

M a t e r i a l : Bashkortostan, Irgizly, 25.07.1899, 1 ex. in a collection of A.O. Bieńkowski.

***D. depressiuscula* LETZNER, 1847**

LAGUNOV & NOVOZHENOV, 1996: 72; GUS'KOVA, 1999: 65; 2002: 48.

D i s t r i b u t i o n : Europe, Caucasus, Kazakhstan, W and Middle Siberia. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Ilmensky Res., 8.06.1984, 18.06.1984, 2 ex. in a collection of reserve; Chelyabinsk reg., Kopeisk, 13.06.1996, 3 ex.

***D. femoralis* L. REDTENBACHER, 1849**

CHASHCHINA, 2008: 59.

Distribution: Europe except for N, Caucasus, Turkey. Southern Ural: forest-steppe zone.

Material: Bashkortostan, Irgizly, 29.07.2000, 1 ex. (A.O. Bieńkowski).

***D. foerstieri* BACH, 1856**

CHASHCHINA, 2008: 59.

Distribution: Europe except for N, Transcaucasia. Southern Ural: forest-steppe zone.

Material: Bashkortostan, Irgizly, 24.07.2000, 1 ex. (A.O. Bieńkowski).

***D. metallica* (MOTSCHULSKY, 1845)**

= *Haltica schillingii* (LETZNER, 1847)

CHASHCHINA, 2008: 60.

Distribution: Central and SE Europe, Transcaucasia, Turkey, W Kazakhstan. Southern Ural: forest-steppe zone.

Material: Chelyabinsk reg., Alekseevka, 29.06.2001, 1 ex. (O.E. Chashchina).

Genus *Psyllodes* BERTHOLD, 1827

***Ps. affinis* (PAYKULL, 1799)**

LAGUNOV & NOVOZHENOV, 1996: 74; GUS'KOVA, 2002: 51; CHASHCHINA, 2008: 60.

Distribution: Europe, Caucasus, W Siberia, Mongolia. Southern Ural: forest, forest-steppe zone.

Material: Chelyabinsk reg., Ilmensky Res., 31.07.1983, 2 ex. in a collection of reserve; Chelyabinsk reg., Argayash district, village Agbashevo, 3.06.1998, 3 ex.

***Ps. attenuatus* (KOCH, 1803)**

CHASHCHINA, 2008: 60.

Distribution: Central and SE Europe, Transcaucasia, Turkey, W Kazakhstan. Southern Ural: forest-steppe zone.

Material: Chelyabinsk reg., Alekseevka, 29.06.2001, 1 ex. (O.E. Chashchina).

***Ps. chalcomerus* (ILLIGER, 1807)**

CHASHCHINA, 2008: 60.

Distribution: All over Palaearctic. Southern Ural: forest-steppe zone.

Material: Bashkortostan, Irgizly, 24.07.2000, 2 ex. (A.O. Bieńkowski).

***Ps. cucullatus* (ILLIGER, 1807)**

ESYUNIN & KOZMINYH, 1992: 65; LAGUNOV & NOVOZHENOV, 1996: 74; GUS'KOVA, 1998: 106; 2002: 51; CHASHCHINA, 2008: 60.

D i s t r i b u t i o n : Europe, Kazakhstan, Siberia, Sakhaline, Japan, China, Mongolia, N Africa. Southern Ural: forest, forest-steppe, steppe zone.

M a t e r i a l : Chelyabinsk reg., Troick district, village Berezniki, 30.07.1996, 15 ex.; Chelyabinsk reg., Katakav-Ivanovsk district, Tyulyuk, 20-22.07.1997, 11 ex.; Chelyabinsk reg., Argayash district, village Kuzneckoe, 4.06.1998, 11 ex.

***Ps. dulcamarae* (KOCH, 1803)**

CHASHCHINA, 2008: 61.

D i s t r i b u t i o n : Europe except for N, Caucasus, Turkey, Kazakhstan, W Siberia, Mongolia. Southern Ural: forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Kirovskoe, 30.06.2005, 1 ex. (O.E. Chashchina).

***Ps. hyoscyami* (LINNAEUS, 1758)**

CHASHCHINA, 2008: 60.

D i s t r i b u t i o n : Europe except for N, Caucasus, Turkey, Kazakhstan, W Siberia, Mongolia. Southern Ural: forest-steppe zone.

M a t e r i a l : Bashkortostan, Irgizly, 28.07.2000, 4 ex. (A.O. Bieńkowski).

***Ps. isatidis* HEIKERTINGER, 1914**

CHASHCHINA, 2008: 61.

D i s t r i b u t i o n : Europe except for N, N and E Caucasus, Turkey, Kazakhstan, W Siberia, Mongolia. Southern Ural: forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Ilmenny Res., 4.08.1996, 1 ex. (O.E. Chashchina).

***Ps. napi* (FABRICIUS, 1792)**

CHASHCHINA, 2008: 61.

D i s t r i b u t i o n : Europe, Caucasus, Turkey, S Kazakhstan, Siberia east to Baikal and Yakutia, N. Africa. Southern Ural: forest-steppe zone.

M a t e r i a l : Bashkortostan, Irgizly, 25.07.2000 – 2 ex. (A.O. Bieńkowski).

***Ps. picinus* (MARSHAM, 1802)**

CHASHCHINA, 2002: 371; 2008: 61.

D i s t r i b u t i o n : Europe except for N. Southern Ural: forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Ilmenny Res., 16.07.1997, 2 ex. (O.E. Chashchina).

Subfamily H i s p i n a e GYLLENHAL, 1813

Genus *H i s p a* LINNÉ, 1767

***H. atra* LINNÉ, 1767**

ESYUNIN & KOZMINYH, 1992: 65; GUS'KOVA, 2002: 53.

D i s t r i b u t i o n : Europe, Caucasus, Kazakhstan, Middle Asia, southern parts of Siberia. Southern Ural: steppe zone.

M a t e r i a l : Chelyabinsk reg., Kartaly district, village Elizavetpolskoe, 6.07.1996, 3 ex.

Subfamily C a s s i d i n a e GYLLENHAL, 1813

Genus C a s s i d a LINNAEUS, 1758

Subgenus C a s s i d a (C a s s i d a) LINNAEUS, 1758

C. (Cassida) denticollis SUFFRIAN, 1844

LAGUNOV & NOVOZHENOV, 1996: 74; PAVLOV, 1998: 259; UTKIN, 1999: 112; GUS'KOVA, 2002: 53.

D i s t r i b u t i o n : Europe, Kazakhstan, Siberia, N Mongolia. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Kurgan reg., village Pesyanoe, 29.06.1996, in a collection of ZMKU; Chelyabinsk reg., Chebarcul district, Kisegach, 16.06.1999, 14 ex.

C. (Cassida) ferruginea GOEZE, 1777

GUS'KOVA, 2002: 54.

D i s t r i b u t i o n : Europe, Siberia. Southern Ural: forest zone.

M a t e r i a l : Chelyabinsk reg., Chebarcul district, Kisegach, 16.06.1997, 4 ex.

C. (Cassida) flaveola THUNBERG, 1794

LAGUNOV & NOVOZHENOV, 1996: 74; GUS'KOVA, 2002: 53.

D i s t r i b u t i o n : Europe, Caucasus, Kazakhstan, Siberia. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Uvelka district, village Kichigino, 11.06.1997, 3 ex.; Chelyabinsk reg., Chebarcul district, Kisegach, 18.06.1998, 5 ex.

C. (Cassida) lineola CREUTZER, 1799

ESYUNIN & KOZMINYH, 1992: 65; MIKHAILOV, 1997a: 188; PAVLOV, 1998: 259; UTKIN, 1999: 112; GUS'KOVA, 2002: 55.

D i s t r i b u t i o n : southern parts of Europe and Siberia, Kazakhstan, Middle Asia, China, Japan. Southern Ural: steppe zone.

M a t e r i a l : Chelyabinsk reg., Kartaly district, village Varshavka, 16.07.1996, 8 ex.

C. (Cassida) nebulosa LINNAEUS, 1758

JACOBSON, 1897: 437; LAGUNOV & NOVOZHENOV, 1996: 74; GUS'KOVA, 1998: 105; PAVLOV, 1998: 259; UTKIN, 1999: 112; GUS'KOVA, 2002: 54.

D i s t r i b u t i o n : Europe, Kazakhstan, Siberia, Sakhaline, Japan, China, Mongolia. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Kurgan reg., Kurgan, 27.06.1995, in a collection of ZMKU; Chelyabinsk reg., Uvelka district, village Uvelka, 12.06.97, 13 ex.

***C. (Cassida) panzeri* WEISE, 1907**

LAGUNOV & NOVOZHENOV, 1996: 75; GUS'KOVA, 2002: 54.

Distribution: Europe, Caucasus, Kazakhstan. W and Middle Siberia, Maritime Prov., Amurland. Southern Ural: forest zone.

Material: Chelyabinsk reg., Miass, 23.06.97, 2 ex.

***C. (Cassida) prasina* ILLIGER, 1798**

JACOBSON, 1897: 437; MIKHAILOV, 1997a: 118; GUS'KOVA, 2002: 56.

Distribution: Europe, Caucasus, Kazakhstan, southern parts W Siberia, Altai, Sayan, W and N China, Mongolia. Southern Ural: steppe zone.

Material: Chelyabinsk reg., Bredy district, village Morozovka, 30.07.1998, 1 ex.

***C. (Cassida) rubiginosa* O.F. MÜLLER, 1776**

JACOBSON, 1897: 437; ESYUNIN & KOZMINYH, 1992: 65; LAGUNOV & NOVOZHENOV, 1996: 75; GUS'KOVA, 1998: 106; 1999: 65; 2002: 54. UTKIN, 1999: 112.

Distribution: Europe, Kazakhstan, Siberia, Sakhaline, China, Mongolia. Southern Ural: forest, forest-steppe, steppe zone.

Material: Chelyabinsk reg., Katav-Ivanovsk district, Tyulyuk, 25-30.05.1998, 24 ex.; Chelyabinsk reg., Uvelka district, village Vodopoika, 2-5.06.1999, 15 ex.; Chelyabinsk reg., Bredy district, village Peschanoe, 13.06.1999, 13 ex.

***C. (Cassida) sanguinosa* SUFFRIAN, 1844**

GUS'KOVA, 2002: 54.

Distribution: Europe, Kazakhstan, W and Middle Siberia, Yakutia. Southern Ural: forest, forest-steppe zone.

Material: Chelyabinsk reg., Chebarkul district, Kisegach, 14-16.06.1997, 2 ex.; Chelyabinsk reg., Miass, 23.06.1997, 5 ex.

***C. (Cassida) stigmatica* SUFFRIAN, 1844**

ESYUNIN & KOZMINYH, 1992: 65; GUS'KOVA, 2002: 56.

Distribution: Europe, Kazakhstan, Siberia. Southern Ural: forest-steppe, steppe zone.

Material: Chelyabinsk reg., Kopeisk, 17.06.1998, 2 ex.; Chelyabinsk reg., Bredy district, village Morozovka, 30.07.1998, 2 ex.

***C. (Cassida) vibex* LINNÉ, 1767**

JACOBSON, 1897: 437; LAGUNOV & NOVOZHENOV, 1996: 75; GUS'KOVA, 2002: 55.

Distribution: Europe, Kazakhstan, Siberia, Sakhaline, Japan, China, Mongolia. Southern Ural: forest zone.

Material: Chelyabinsk reg., Katav-Ivanovsk district, Tyulyuk, 25.07.1997, 7 ex.

Subgenus *Cassida* (*Cassidulella*) A. STRAND, 1928

***C. (Cassidulella) nobilis* LINNAEUS, 1758**

JACOBSON, 1897: 437; LAGUNOV & NOVOZHENOV, 1996: 74; MIKHAILOV, 1997a: 188;
GUS'KOVA, 2002: 54.

D i s t r i b u t i o n : Europe, Kazakhstan, Siberia, Sakhaline, China, Mongolia, Southern Ural:
forest zone.

M a t e r i a l : Chelyabinsk reg., Katav-Ivanovsk district, Tyulyuk, 20-22.07.1997, 5 ex.

Subgenus *Cassida* (*Mionycha*) J. WEISE, 1891

***C. (Mionycha) azurea* FABRICIUS, 1801**

= *C. ornata* CREUTZER

GUS'KOVA, 2002: 54.

D i s t r i b u t i o n : Europe, W Siberia. Southern Ural: forest, forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Katav-Ivanovsk district, Tyulyuk, 20-22.07.1997, 3 ex.;
Chelyabinsk reg., Uvelka district, village Uvelka, 12.06.1999, 2 ex.

***C. (Cassida) margaritacea* SCHALLER, 1783**

LAGUNOV & NOVOZHENOV, 1996: 74; GUS'KOVA, 2002: 53.

D i s t r i b u t i o n : Europe, Caucasus, Asia Minor, Transbaikalia. Southern Ural: forest,
forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Katav-Ivanovsk district, Tyulyuk, 20-22.07.1997, 7 ex.;
Chelyabinsk reg., Argayash district, village Agbashevo, 3.06.1998, 3 ex.

***C. (Mionycha) subreticulata* SUFFRIAN, 1844**

= *C. hinksi* L. MEDVEDEV, 1957

GUS'KOVA, 2002: 56.

D i s t r i b u t i o n : Europe, Caucasus, southern parts of Siberia. Southern Ural: forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Uvelka district, village Uvelka, 6.06.1998, 3 ex.

Subgenus *Cassida* (*Odontionycha*) J. WEISE, 1891

***C. (Odontionycha) viridis* LINNAEUS, 1758**

JACOBSON, 1897: 437; VORONCOWSKI, 1922: 49; LAGUNOV & NOVOZHENOV, 1996: 75;
GUS'KOVA, 1998: 105; 1999: 65; 2002: 55.

D i s t r i b u t i o n : Caucasus, Kazakhstan, W Siberia, Maritime Prov. Southern Ural: forest,
forest-steppe zone.

M a t e r i a l : Chelyabinsk reg., Katav-Ivanovsk district, Tyulyuk, 25.07.1997, 3 ex.;
Chelyabinsk reg., Chelyabinsk, 20.06.1998, 2 ex.

Subgenus *Cassida* (*Pseudocassida*) DESBROCHERS DES LOGES, 1891

***C. (Pseudocassida) murraea* LINNÉ, 1767**

VORONCOWSKI, 1922: 49; LAGUNOV & NOVOZHENOV, 1996: 75; GUS'KOVA, 1998: 65; 2002: 55; PAVLOV, 1998: 259; UTKIN, 1999: 112.

Distribution: Europe, Siberia, Kazakhstan, Middle Asia, China, Japan. Southern Ural: forest, forest-steppe zone.

Material: Kurgan reg., Kurgan, 14.07.1992, in a collection of ZMKU; Chelyabinsk reg., Miass, 23.06.1997, 2 ex.; Chelyabinsk reg., Chelyabinsk, 20.06.1998, 1 ex.

Genus *Hypocassida* J. WEISE, 1893

***H. subferruginea* (SCHRANK, 1776)**

JACOBSON, 1897: 437; ESYUNIN & KOZMINYH, 1992: 65; LAGUNOV & NOVOZHENOV, 1996: 75; PAVLOV, 1998: 259; UTKIN, 1999: 111; GUS'KOVA, 2002: 56.

Distribution: Europe, Kazakhstan, Middle Asia, southern parts of Siberia, Mongolia. Southern Ural: forest, forest-steppe, steppe zone.

Material: Chelyabinsk reg., Ilmensky Res., lake Kisegach, 19.06.1982, 25.08.1982, 2 ex. in a collection of reserve; Kurgan reg., Kurgan, 9.07.1993, in a collection of ZMKU; Chelyabinsk reg., Bredy district, village Morozovka, 30.07.1998, 1 ex.

Genus *Pileostoma* DESBROCHERS DES LOGES, 1891

***P. fastuosa* (SCHALLER, 1783)**

= *P. vitatta* FABRICIUS, 1798

VORONCOWSKI, 1922: 49; PAVLOV, 1998: 259; UTKIN, 1999: 111; GUS'KOVA, 2002: 56.

Distribution: Europe, Siberia, Mongolia. Southern Ural: forest, forest-steppe, steppe zone.

Material: Kurgan reg., Kurgan, 7.06.1992, in a collection of ZMKU; Chelyabinsk reg., Troick district, village Berezniki, 30.07.1996, 1 ex.

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Buchbesprechungen

LÜCKMANN J. & M. NIEHUIS: Die Ölkäfer in Rheinland-Pfalz und im Saarland. - GNOR (Gesellschaft für Naturschutz und Ornithologie Rheinland-Pfalz e.V.), Mainz, 2009. 479 S.

Die überaus bibliophile Reihe aus dem "Hause" GNOR findet nach den Büchern über Bockkäfer, Prachtkäfer, Fledermäuse und Tagfalter nun ihre Fortsetzung mit der Ölkäfer-Monographie. Manfred Niehuis hat sich ja bereits mit den Bock- und Prachtkäfer-Bänden einen Namen gemacht, in diesem Werk wird er von dem Meloidenspezialisten Johannes Lückmann unterstützt. Dass es den Autoren mehr als Spaß gemacht hat, sieht man an dem erstaunlichen Umfang des Werkes - wer hätte sich vorstellen können, dass man über die ("wenigen") Ölkäfer, beschränkt auf zwei deutsche Bundesländer, so viel schreiben kann. Auf breiter Basis gibt dieses Buch einen umfassenden Überblick zu allen Themenbereichen, die mit Ölkäfer zu tun haben: Etymologie, Stammesgeschichte, Systematik, Verbreitung, Artenzahlen, Morphologie, Entwicklung, Phänologie, Lebensdauer, Wirtsfindung, Reproduktionsvermögen und -strategien, Phoresie, Ernährung und Verhaltensweisen. Klar darf die ökologische Chemie bezüglich Cantharidin und Palasonin nicht zu kurz kommen, ebensowenig wie die vielfältige Bedeutung der Meloidae für den Menschen und ihre kulturgeschichtliche Relevanz. Breiten Raum nimmt auch die Rolle der Ölkäfer in Kunst und Kultur ein.

Zum Aufbau: Der allgemeine Teil (215 Seiten) enthält eine ausführliche Einführung, die alle biologischen Aspekte zu den Meloiden durchleuchtet, aber auch die Kapitel zur Kulturgeschichte der Ölkäfer, das Untersuchungsgebiet und einen historischen Teil (Vita und Werk ausgewählter Entomologen mit Bezug zur Ölkäfer-Forschung). Teil 2 beinhaltet Erfassungsstand und Artkapitel; hier werden die 14 im Untersuchungsgebiet vorkommenden Arten genauer unter die Lupe genommen. Der dritte Teil ("Diskussion") beschäftigt sich mit der Ölkäferfauna der Naturräume, einer Interpretation der Verbreitungsmuster, Veränderungen der Ölkäferfauna und Ursachen der Veränderungen. Auch Naturschutzaspekte (Bundesartenschutzverordnung, Rote Listen und aktuelle Artenhilfsprogramme) finden hier Erwähnung. Der 4. Teil enthält Bestimmungsschlüssel für Imagines und Triungulinus-Larven.

Ein überaus informativer und damit bibliophiler und empfehlenswerter Band, mit über 350 meist farbigen Abbildungen, Grafiken und Tabellen reich illustriert - eine Pflichtlektüre für Entomologen und Naturliebhaber, lokal wie global.

R. Gerstmeier

WITT Rolf 2009: Wespen, 2. überarbeitete und erweiterte Auflage.-Vademecum Verlag, Oldenburg. 400 Seiten. ISBN 978-3-9813284-0-0

In der 2. Auflage wird einleitend ein Überblick über die in Mitteleuropa, insbesondere in Deutschland vorkommenden "Wespen", das heißt im weitesten Sinne über die stechenden Hymenopteren (Hautflügler), ausgenommen der Bienen und Ameisen gegeben. Dies wird auch unterstützt durch sieben getrennte Bestimmungsschlüssel. Als erstes ein allgemeiner Schlüssel für die Wespen in Deutschland und den angrenzenden Gebieten. Dann ein Schlüssel für die Faltenwespen allgemein und zusätzlich auch für die sozialen, beziehungsweise solitären Gattungen und Arten, wobei die Polistinae getrennt bearbeitet werden. Schließlich folgen noch zwei Schlüssel für die Grabwespen, getrennt nach Sphecidae (Langstielgrabwespen) und Crabronidae (Echte Grabwespen). Diese Trennung der sieben Schlüssel macht es dem Nicht-Spezialisten leichter, um schneller zu einem Ergebnis zu kommen. Erwähnenswert ist weiters ein Schlüssel zur Determination der Nester von sozialen Wespen, denn es gibt kaum etwas Vergleichbaren. Zahlreiche Zeichnungen, welche zum Teil in Farbe ausgeführt sind, ergänzen diese Bestimmungsschlüssel.

Vor allem für die oben genannten Familien wird eine umfangreiche Einführung in die Biologie, Systematik und Ökologie vorgestellt. Ein besonderer Beitrag umfasst das Vorkommen der Wespen in Haus und Garten, Hinweise über Wespen im Siedlungsraum des Menschen, wie Verbesserung des Nistplatzangebotes, die Gefährlichkeit der Wespen, Tipps zur Vermeidung von Stichen (über Allergien nach Stichen) und Übersiedlung von Wespenestern. Der Mensch sieht in den Wespen meist nur die negativen Aspekte, wie Stiche der Tiere, sie sind aber auch ein wichtiger Teil im ganzen Naturgeschehen, wie Vernichtung vieler Schädlinge, die Befruchtung von Pflanzen (auch des Obstes). Die Gefährdungsgrade der Wespen nach den neuen Roten Listen Deutschlands und der deutschen Bundesländer werden besondere ausgewiesen.

Ausdrucksvolles Bildmaterial mit etwa 450 Fotos einzelner Arten sowie ein umfangreicher Text gibt Einblicke in die Merkmale, die Verbreitung, den Lebensraum, die Phänologie und Biologie der meisten Wespen Mitteleuropas, mit dem Schwerpunkt Deutschland.

Durch die Größe und Form dieser Veröffentlichung, ist sie nicht nur ein wichtiges Nachschlagewerk, welches sowohl dem Spezialisten als auch dem Interessierten wichtige Hilfen bietet, sondern sie kann auch als Begleiter auf Exkursionen dienen.

J. Gusenleitner

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