

Correspondence

hppt/ urn:lsid:zoobank.org:pub: 446E7113-93BD-4709-8EE8-830033C2F334

E. V. Guskova^{1*)}, D. A. Efimov²⁾, A. V. Korshunov³⁾. NEW FOR THE FAUNA OF THE KEMEROVO REGION (RUSSIA, SIBERIA) LEAF BEETLES (COLEOPTERA: CHRYSOMELIDAE). – *Far Eastern Entomologist*. 2016. N 307: 11-16.

1) *Altai State University, Lenina Street 61, Barnaul, 656049, Russia. *Corresponding author, E-mail: guskovael@mail.ru*

2) *Yurginsky Technological Institute (branch) of National Research Tomsk Polytechnic University, Leningradskaya Street 26, Yurga, 652055, Russia. E-mail: efim_d@mail.ru*

3) *Kemerovo State University, Krasnaya Street 6, Kemerovo, 650043, Russia. E-mail: avkorschunov@mail.ru*

Summary. Two genera, *Sternoplatys* and *Colaphellus*, and 24 species of Chrysomelidae (Coleoptera) are reported for the fauna of Kemerovo Region for the first time and now the list of leaf beetles of this region includes 205 species from 55 genera.

Key words: Coleoptera, Chrysomelidae, leaf beetles, fauna, new records, Kemerovo Region, Siberia, Russia.

Е. В. Гуськова^{1*)}, Д. А. Ефимов²⁾, А. В. Коршунов³⁾. Новые для фауны Кемеровской области (Россия, Сибирь) листоеды (Coleoptera: Chrysomelidae) // *Дальневосточный энтомолог*. 2016. N 307. С. 11-16.

Резюме. Впервые для Кемеровской области приводятся два рода (*Sternoplatys* и *Colaphellus*) и 24 вида листоедов (Coleoptera: Chrysomelidae), что позволило увеличить список известных из области представителей семейства до 205 видов, относящихся к 55 родам.

INTRODUCTION

Leaf beetles (Coleoptera: Chrysomelidae) including over 32500 species of the world fauna belonging to 2114 genera (Slipinski *et al.*, 2011). Lopatin *et al.* (2004) recorded 403 species of the leaf beetles from Siberia. Our knowledge of regional faunas of Siberia is still poor, and this is also true for the Kemerovo Region. The data on distribution of the genera *Chrysolina* and *Cryptocephalus* in Kemerovo Region were published (Mikhailov & Atuchin, 2006; Atuchin, 2008a). A list of known from this region species was also published but without specifying the exact localities (Atuchin, 2008b). Mikhailov (2009) presents a detailed investigation of Siberian *Chrysolina* and clarified synonymy and distribution of some species in Kemerovo Region. Thus, nowadays 181 species of Chrysomelidae belonging to 53 genera have been reported from this region. In present paper new data on the fauna of Kemerovo Region are given.

The present study is based on the material collected in different localities of Kemerovo Region in 1998–2015. The material examined is deposited in the private collections of the authors: E. Guskova (Barnaul), D. Efimov and A. Korshunov (Kemerovo). The entomological collections of the Kemerovo State University (Barnaul, Russia) are also studied.

LIST OF THE NEW TO THE KEMEROVO REGION SPECIES

Donacia crassipes Fabricius, 1775

MATERIAL EXAMINED. **Kemerovo Region:** Krapivinskij distr., 8 km SSW Saltymakovo vill., Azhendarovo, 54°45'N, 87°01'E, 10-20.VII 2008, 1 ♂ (A. Korshunov).

DISTRIBUTION. Russia: Kemerovo Region (new record), European part (from the taiga to the semi-desert zone), S Ural, Novosibirsk Region, Altai, Krasnoyarsk Krai, Khakassia, Tuva, Buryatia, Irkutsk Region.– Europe, Kazakhstan (N and Central part), China (Gansu, Hebei, Shaanxi, Shanxi).

Donacia versicolore (Brahm, 1790)

MATERIAL EXAMINED. **Kemerovo Region:** Kas'ma River (middle stream), 5 km from Shabanovo, 2.VII 1998, 1 ♀ (D. Efimov); Uryup River (left bank), near Chulym River, 1.VIII 2008, 2 ♀ (N. Teplova).

DISTRIBUTION. Russia: Kemerovo Region (new record), European part (except for S), N Caucasus (Teberda), S Ural, Novosibirsk Region, Altai, Krasnoyarsk Krai, Khakassia, Tuva, Buryatia, Irkutsk Region, Far East. – Europe, Kazakhstan.

Coptocephala rubicunda rossica L. Medvedev, 1977

MATERIAL EXAMINED. **Kemerovo Region:** Prokop'evsk distr., near Uskatskij vill., Krivoj Uskat River, 21.VIII 2014, 1 ♀ (D. Efimov).

DISTRIBUTION. Russia: Kemerovo Region (new record), W Ciscaucasia, Middle Volga Region, S Urals, Altai. – Belarus.

NOTES. The nominotypical subspecies known from Western Europe (Medvedev, 1977).

Smaragdina salicina (Scopoli, 1763)

MATERIAL EXAMINED. **Kemerovo Region:** Gornaya Shoriya Mts., Tashtagol distr., Mundybash vill., 7.VII 2005, 1 ♀ (A. Korshunov).

DISTRIBUTION. Russia: Kemerovo Region (new record), European part, S Urals, Altai. – Europe, Caucasus, Turkey, E Kazakhstan (Kalba Ridge), China (Xinjiang).

Cryptocephalus splendens Kraatz, 1879

MATERIAL EXAMINED. **Kemerovo Region:** Kuznetskij Alatau Mts., Tisul' distr., near Makaraskij vill., 10.VII 2007, 1 ♂ (K. Zhulejko).

DISTRIBUTION. Russia: Kemerovo Region (new record), Altai, Tuva, Krasnoyarsk Region, Irkutsk Region, Chita Region, S Yakutia, Amurland, Far East, Sakhalin.– N Mongolia, N Korea, N China.

Cryptocephalus janthinus Germar, 1824

MATERIAL EXAMINED. **Kemerovo Region:** near Izhmorskij, 19.VII 2014, 1 ♀ (D. Sukhorukova).

DISTRIBUTION. Russia: Kemerovo Region (new record), European part (except for N), S Urals, Novosibirsk Region, Altai, Krasnoyarsk Krai, Khakassia, Tuva, Buryatia, Irkutsk Region, S Yakutia, Amurland, Far East, Sakhalin.– S and Central Europe, NW Caucasus, Kazakhstan (except for S), Iran, China (Jilin), Japan.

***Pachybrachis scriptidorsum* (Marseul, 1875)**

MATERIAL EXAMINED. **Kemerovo Region:** Kemerovo distr., near Staraya Balakhonka vill., 16.VI 2012, 1 ♂ (D. Efimov); Kemerovo distr., near Zhuravlevo vill., 55°22'N, 86°14'E, 25.VII 2013, 2 ♂, 1 ♀, (D. Efimov); 15 km NW Kemerovo, Krekovo vill., 55°31'N, 85°52'E, 25.VIII 2013, 2 ♂ (D. Efimov).

DISTRIBUTION. Russia: Kemerovo Region (new record), European part, S Urals, Novosibirsk Region, Altai, Krasnoyarsk Krai, Tuva, Khabarovsk Krai. – E Europe, Turkey, Syria, Kazakhstan, Mongolia, China (Hebei, Jilin, Shanghai), N Korea.

***Pachnephorus pilosus* (Rossi, 1790)**

MATERIAL EXAMINED. **Kemerovo Region:** Kemerovo distr., Mozzhukha vill., 6.VIII 2006, 1 ♂ (A. Korshunov).

DISTRIBUTION. Russia: Kemerovo Region (new record), European part (except for the extreme N), S Urals, Altai. – Europe (except for the extreme N), Caucasus, Turkey.

***Pachnephorus tessellatus* (Duftschmid, 1825)**

MATERIAL EXAMINED. **Kemerovo Region:** Kemerovo distr., Mozzhukha vill., 30.V 2009, 1 ♂ (D. Efimov); Kemerovo distr., Mozzhukha vill., 24.VI 2009, 1 ♀ (A. Korshunov); Belovo distr., Novy Gorodok env., Bachatsky Hills, steppe, 16.VIII 2014, 1 ♂ (D. Efimov).

DISTRIBUTION. Russia: Kemerovo Region (new record), European part (except for extreme N), S Urals, Altai. – Canary Islands, Europe, Afghanistan, Kyrgyzstan (Kazarman), Tajikistan, S Turkmenistan, Uzbekistan (Fergana Valley), Kazakhstan (Aktobe Region, Kyzylorda Region), Mongolia, NW China.

***Chrysolina cerealis* (Linnaeus, 1767)**

MATERIAL EXAMINED. **Kemerovo Region:** Tisul' distr., Tambar vill., Dudet River (right bank), 13.VIII 2005, 1 ♂ (D. Efimov).

DISTRIBUTION. Russia: Kemerovo Region (new record), European part, Urals, Altai. – Europe, Kazakhstan.

***Gonioctena pallida* (Linnaeus, 1758)**

MATERIAL EXAMINED. **Kemerovo Region:** Krapivinskij distr., 8 km SSW Salty-makovo vill., Azhendarovo, 54°45'N, 87°01'E, 10-20.VII 2008, 1 ♂ (A. Korshunov).

DISTRIBUTION. Russia: Kemerovo Region (new record), European part, S Urals, Novosibirsk Region, Altai, Krasnoyarsk Krai, Khakassia, Tuva, Buryatia, Irkutsk Region. – N and Central Europe, Kazakhstan, N Mongolia.

***Sternoplatys sibiricus* (Gebler, 1830)**

MATERIAL EXAMINED. **Kemerovo Region:** Kuznetskij Alatau Mts., Verkhnyaya Ters' River, Chernyj Voron Mt., 7.VII 2009, 3 ♀ (A. Korshunov).

DISTRIBUTION. Russia: Kemerovo Region (new record), Altai. – E Kazakhstan.

***Colaphellus foveolatus* (Gebler, 1848)**

MATERIAL EXAMINED. **Kemerovo Region:** Kuznetskij Alatau Mts., Verkhnyaya Ters' River, Chernyj Voron Mt., 7.VII 2009, 2 ♀ (A. Korshunov).

DISTRIBUTION. Russia: Kemerovo Region (new record), Altai, W Sayan.

***Galerucella nymphaeae* (Linnaeus, 1758)**

MATERIAL EXAMINED. **Kemerovo Region:** Krapivinskij distr., 8 km SSW Saltymakovo vill., Azhendarovo, 54°45'N, 87°01'E, 10-20.VII 2008, 4 ♀ (A. Korshunov); Kemerovo distr., Krasnaya village, Tom' Valley, 28.VII 2011, 1 ♀ (D. Efimov); Krapivinskij distr., 8 km SSW Saltymakovo vill., Azhendarovo, 54°45'N, 87°01'E, 1-5.VI 2014, 1 ♀ (A. Korshunov).

DISTRIBUTION. Russia: Kemerovo Region (new record), European part, S Urals, Novosibirsk Region, Altai, Krasnoyarsk Krai, Khakassia, Tuva, Buryatia, Irkutsk Region, Amurland, Khabarovsk Krai, Magadan Region, Kamchatka Krai, Chukotka.– Europe, Turkey, Israel, Kazakhstan, Mongolia.

***Galerucella lineola* (Fabricius 1781)**

MATERIAL EXAMINED. **Kemerovo Region:** Kemerovo district, 12 km NW Kemerovo, 2.VII 2009, 2 ♀ (A. Korshunov).

DISTRIBUTION. Russia: Kemerovo Region (new record), European part, S Urals, Novosibirsk Region, Altai, Krasnoyarsk Krai, Khakassia, Tuva, Buryatia, Irkutsk Region, Amurland, Khabarovsk Krai, Magadan Region, Kamchatka Krai, Chukotka, Sakhalin.– Europe, Kazakhstan, Iran, Mongolia, China, Japan, N Africa (Morocco, Algeria).

***Pyrrhalta viburni* (Paykull, 1799)**

MATERIAL EXAMINED. **Kemerovo Region:** Krapivinskij distr., 8 km SSW Saltymakovo vill., Azhendarovo, 54°45'N, 87°01'E, 1-5.VI 2014, 1 ♀ (A. Korshunov).

DISTRIBUTION. Russia: Kemerovo Region (new record), European part, S Urals, Altai.– Europe, NW Kazakhstan, N Africa. Introduced to N America.

***Phyllobrotica quadrimaculata* (Linnaeus, 1758)**

MATERIAL EXAMINED. **Kemerovo Region:** Kuznetskij Alatau Mts., Verkhnyaya Ters' River, Chernyj Voron Mt., 20.VII 1998, 3 ♀ (D. Efimov); Kemerovo district, Mozzhukha vill., 6.VIII 2006, 2 ♀ (D. Efimov); Krapivinskij distr. Azhendarovo, Bugas River, 54°44'N, 87°01'E, 26.VII 2008, 1 ♂, (D. Efimov); Chebulinskij distr., 7 km SW Kurakovo, meadow, 29.VII 2008, 3 ♂ (K. Vlasova); 15 km NW Kemerovo, Krekovo vill., 55°31'N, 82°52'E, 17-18.VII 2009, 1 ♀, 1 ♂ (D. Efimov); Kemerovskij distr., Podyakovo vill., 9.VII 2015, 1 ♂ (D. Efimov).

DISTRIBUTION. Russia: Kemerovo Region (new record), European part, S Urals, Altai.– Europe, Kazakhstan.

***Altica helianthemi* (Allard, 1859)**

MATERIAL EXAMINED. **Kemerovo Region:** Krapivinskij distr., 8 km SSW Saltymakovo vill., Azhendarovo, 54°45'N, 87°01'E, 10-20.VII 2008, 1 ♀, 3 ♂ (A. Korshunov); Promyshlennovskij distr. Fedorovo Lake, 23.VII 2008, 5 ♂ (N. Teplova); 8 km NW Kemerovo, Mozzhukha vill., 55°25'N, 85°56'E, 30.V 2009, 2 ♂ (D. Efimov); Prokop'evsk distr., 2 km SE Mayskij vill., 24.VI 2010, 1 ♂ (D. Efimov); 8 km NW Kemerovo, Mozzhukha vill., 55°25'N, 85°56'E, 9.VI 2013, 1 ♀, 2 ♂ (D. Efimov); Krapivinskij distr., 8 km SSW Saltymakovo vill., Azhendarovo, 54°45'N, 87°01'E, 1-5.VI 2014, 1 ♀, 3 ♂ (A. Korshunov).

DISTRIBUTION. Russia: Kemerovo Region (new record), European part (S and Central), Altai.– Europe, SE Kazakhstan.

***Aphthona lutescens* (Gyllenhal, 1813)**

MATERIAL EXAMINED. **Kemerovo Region:** 8 km NW Kemerovo, Mozhukha vill., 55°25'N, 85°56'E, 9.VI 2013, 1 ♀ (D. Efimov).

DISTRIBUTION. Russia: Kemerovo Region (new record), European part, S Urals, Altai.– Europe, Cyprus, Yemen, Iran, Israel, Kazakhstan, Mongolia.

***Aphthona gracilis* Faldermann, 1837**

MATERIAL EXAMINED. **Kemerovo Region:** Prokop'evsk distr., near Uskatskij vill., Krivoj Uskat River, 21.VIII 2014, 1 ♂ (D. Efimov).

DISTRIBUTION. Russia: Kemerovo Region (new record), European part, S Urals, Altai. – Azerbaijan, Armenia, Greece, Macedonia, Romania, Ukraine, Tajikistan, Turkmenistan, Uzbekistan, Afghanistan, Kazakhstan, Mongolia.

***Crepidodera nitidula* (Linnaeus, 1758)**

MATERIAL EXAMINED. **Kemerovo Region:** Krapivinskij distr., 8 km SSW Saltymakovo vill., Azhendarovo, 54°45'N, 87°01'E, 10-20.VII 2008, 2 ♀ (A. Korshunov); Krapivinskij distr., 8 km SSW Saltymakovo vill., Azhendarovo, 54°45'N, 87°01'E, 1-5.VI 2014, 1 ♂, 2 ♀ (A. Korshunov).

DISTRIBUTION. Russia: Kemerovo Region (new record), European part (except for SW), S Urals, Novosibirsk Region, Altai, Krasnoyarsk Krai, Tuva. – Europe.

***Crepidodera aurata* (Marsham, 1802)**

MATERIAL EXAMINED. **Kemerovo Region:** Gornaya Shoriya Mts., Tashtagol distr., Mundybash vill., 4-8.VII 2005, 1 ♀ (D. Mogilina); near Kemerovo (SE), 7.VI 2009, 2 ♀ (D. Efimov).

DISTRIBUTION. Russia: Kemerovo Region (new record), European part, S Urals, Novosibirsk Region, Altai, Krasnoyarsk Krai, Tuva. – Europe, Turkey, Iran, W and N Kazakhstan, Mongolia, China, Korea, NW Africa (Morocco).

***Chaetocnema semicoerulea* (Koch, 1803)**

MATERIAL EXAMINED. **Kemerovo Region:** Krapivinskij distr., 8 km SSW Saltymakovo vill., Azhendarovo, 54°45'N, 87°01'E, 1-5.VI 2014, 1 ♂ (A. Korshunov).

DISTRIBUTION. Russia: Kemerovo Region (new record), European part, S Urals, Novosibirsk Region, Altai, Krasnoyarsk Krai, Khakassia, Tuva, Buryatia, Irkutsk Region.– Europe, Turkey, S and SE Kazakhstan, Kyrgyzstan.

***Longitarsus lycopi* (Foudras, 1860)**

MATERIAL EXAMINED. **Kemerovo Region:** Prokop'evsk distr., 7 km NE Oktyabrskij vill., 25.VI 2014, 1 ♀ (D. Efimov).

DISTRIBUTION. Russia: Kemerovo Region (new record), European part (except for the extreme N), S Urals, Altai.– Europe (except for the extreme N), Caucasus, Transcaucasia, Turkey, Near East, Iran, S and SE Kazakhstan, Mongolia, N Africa.

DISCUSSION

Thus, at present 205 species from 55 genera and 12 subfamilies of Chrysomelidae are recorded from Kemerovo Region based on the previously published data and present paper. Two genera, *Sternoplatys* Motschulsky, 1860 and *Colaphellus* Weise, 1916, are registered

for Kemerovo Region for the first time. Both species, *Sternoplatys sibiricus* and *Colaphellus foveolatus*, are endemic to the Altai-Sayan Mountain system; the former is distributed in Kazakhstan and Russia and latter is known from the Russian part of Altai and Kuznetskiy Alatau mountains.

ACKNOWLEDGEMENTS

The authors are grateful to N.S. Teplova (Kemerovo, KSU) for the presented material and to R.V. Yakovlev for the discussion and critical comments.

REFERENCES

- Atuchin, A.A. 2008a. New data on the leaf beetle *Chrysolina eurina* (Frivaldszky, 1883) (Coleoptera, Chrysomelidae) in the Kuznetsk-Salair mountains. *Entomologicheskoe Obozrenie*, 88 (5): 577–578. [In Russian].
- Atuchin, A.A. 2008b. Spisok vidov listoedov (Coleoptera, Chrysomelidae) Kuznetzko-Salairskoy gornoy oblasti. *Trudy Kemerovskogo otdelenia Russkogo Entomologicheskogo obshchestva*, 6: 11–16. [In Russian].
- Lopatin, I.K., Aleksandrovich, O.R. & Konstantinov, A.S. 2004. *Check List of Leaf-Beetles (Coleoptera, Chrysomelidae) of the Eastern Europe and Northern Asia*. Mantis, Olsztyn. 343 pp.
- Mikhailov, Yu.E. & Atuchin, A.A. 2006. New records of leaf beetles (Coleoptera, Chrysomelidae) from West Siberia. *Euroasian Entomological Journal*, 5(3): 223–244. [In Russian].
- Mikhailov, Yu.E. 2009. New data on systematics and ecology of leaf beetles (Coleoptera, Chrysomelidae) from South Siberian mountains. *Euroasian Entomological Journal*, 8(2): 177–188. [In Russian].
- Slipinski, S. A., Leschen, R. A. B. & Lawrence, J. F. 2011. Order Coleoptera Linnaeus, 1758. P. 203–208. *In*: Zhang, Z.-Q. (Ed.) *Animal biodiversity: An outline of higher-level classification and survey of taxonomic richness*. *Zootaxa*, 3148: 1–237.