

THE CRYPTOCEPHALINAE (COLEOPTERA: CHRYSOMELIDAE)
OF THE MONGOLIAN ALTAI

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Six leaf-beetles species *Coptocephala rubicunda* (Laicharting, 1781); *C. rubicunda rossica* L. N. Medvedev, 1977; *Cryptocephalus flavicollis* Fabricius, 1781; *Cr. macrodactylus* Gebler, 1830; *Cr. regalis* Gebler, 1830 and *Cr. schaefferi* Schrank, 1789 are new records for Mongolia. Two species *Cryptocephalus kerutovskii* Jacobson, 1901 and *Cr. pallifrons* Gyllenhal, 1813 are new records for Mongolian Altai. Four species *Coptocephala unifasciata* (Scopoli, 1763), *Cr. dilutellus* Jacobson, 1901; *Cr. altaicus* Harold, 1872 and *Pachybrachis latipes* Lopatin, 1971 new for Gobi-Altai aimak. Two species *Labidostomis tjutschewi* Jacobson, 1902 and *Coptocephala unifasciata australis* new for Bayan-Ulegei aimak and one *Acolastus gobicus* (L. N. Medvedev & Voronova, 1977) new for Hovd aimak. Currently, 57 species of 9 genera for of these subfamilies are known from Mongolian Altai.

Key words: beetles, distribution, leaf-beetles, Chrysomelidae, Mongolia, new record, Palearctic.

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INTRODUCTION

The Chrysomelidae are one on the largest Coleoptera families including over 32500 species in the world fauna (Slipinski et. al., 2011). The Chrysomelidae are studied very unevenly in the world. Dozens of new species are described every year first of all from the tropical regions of the Earth. The faunistic data on leaf beetles need significant clarification. Despite a relatively good study of Palearctic Chrysomelidae, the data on their distribution in most regions are not published. It also concerns the fauna of Mongolia. The generalizing works of Lopatin (1975) and Medvedev (1982) demonstrated for the first time the species diversity of leaf beetles in Mongolia, many new species were described, the data on their regional distribution, trophic links and phenology were provided. Due to the remoteness and inaccessibility of the region, the leaf beetles of Western Mongolia were studied more poorly than those of the other regions of Mongolia. The dissected topography, rich flora with a great number of endemics and a great range of altitudes determine the richness and diversity of the entomological fauna in the Mongolian Altai, including Chrysomelidae. We provide new faunistic data and describe new species: *Labidostomis yakovlevi* Guskova, 2006, *Chrysolina shapkini* Mikhailov & Guskova, 2013, *Cystocnemis levmedvedevi* Mikhailov & Guskova, 2013 (Guskova, 2006; 2016; Mikhailov & Guskova, 2013a; 2013b). Several articles are in print. This study is aimed to examine the distribution of leaf beetles of the Cryptocephalinae subfamily in the Mongolian Altai within the boundaries of three aimaks [provinces]: Bayan-Ulegei, Hovd and Gobi-Altai.

MATERIALS AND METHODS

The material for the current paper is based on personal collections of the author who participated in the complex botanical-zoological expeditions organized by the South Siberian Botanical Garden of the Altai State University in 2007, 2009 and 2010. Expeditions were performed in all three aimaks which are covered by Mongolian Altai: Bayan-Ulegei, Hovd and Gobi-Altai, including localities which have never been visited by entomologists. The collection was performed with standard methods: manual collection and mowing with Sweep net and at night using ultraviolet lights (light source-tube Philips TL 8W/05), poison-chloroform, bulbs, Philips-250 a Subaru-750 generator).

Moreover, author studied materials collected during expeditions performed in 2002, 2005, 2011 and 2012, 2013, 2015. The research was mainly based on the materials collected by the author in different localities of the Mongolian Altai, on the collection of Elena V. Guskova (EGC), Barnaul, Russia and also partially on the materials from the following collections: State Collection of Zoology (ZSMC) Germany, Munich; collection of Lev N. Medvedev (LMC), Moscow, Russia; Zoological Institute of Russian Academy of Sciences (ZIN), St Petersburg, Russia. List of collecting localities presented on Fig. 1.

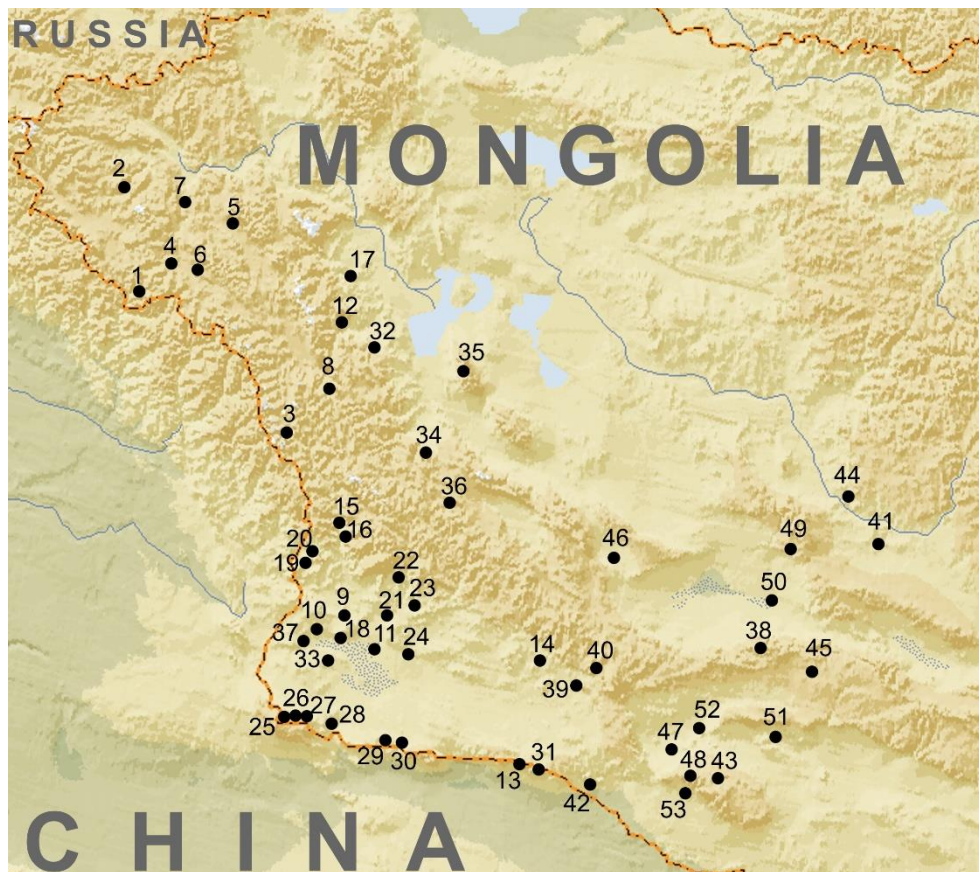


Figure 1. Localities of collecting Chrysomelidae in the Mongolian Altai.

BAYAN-ULEGEJ AIMAK: 1) **Elt-Gol** – middle stream of Elt-Gol river (Kara-Irtys basin), Khorabajn-Salaa Valley, 2,100–2,300 m, 48°07' N 89°11' E; 2) **Tsengel** – Kobdo-gol Valley, 20 km SW Tsengel, (between Bor-Burgas-Gol and Mukharyn-Gol rivers), 1,900–2,200 m, 48°49' N 88°59' E; 3) **Bulgan (upper)** – Bulgan-gol Valley, 10 km N. Bulgan (upper), 2,000 m, 47°11' N 90°47' E; 4) **Altai (BU)** – 10 km N Altai vill., 2,000 m, 48°20' N 89°30' E; 5) **Tolbo-Nuur** – Tolbo-Nuur lake, 48°31'; 90°06', 2100 m; 6) **Tolbo** – 45 km S Tolbo, 48°04'; 90°15', 2800 m; 7) **Buyant** – Sagsaj river Valley, 12 km SSW Buyant, 2100 m, 48°35' N 89°33' E; 8) **Ulan-Daba** pass, 2,700 m, 47°23' N 91°12' E;

HOVD AIMAK: 9) **Bulgan** – Dzhungarian Gobi desert, Bulgan somon, 1,100–1,400 m, 45°59' N 91°31' E; 10) **10 km SSW Bulgan** – 10 km SSW Bulgan somon, 1200 m, 45°56' N; 91°18' E; 11) **25 km SE Bulgan** – 25 km SE Bulgan somon, Uenchin-Gol river valley (under stream), 1200 m, 45°50' N; 91°36' E; 12) **Dut** – 25 km NW Dut somon, 2500 m, 47°50' N; 91°12' E; 13) **Tsargin** – 50 km W Tsargin, 1700–1750 m, 45°00' N; 93°19' E; 14) **Altan-Soembo** – Barlagijn-Gol Valley (under stream), 25 km NW of Altan-Soembo, 1700 m, 45°53' N; 93°05' E; 15) **Bulgan-Gol Valley** – middle stream of Bulgan-Gol Valley, 45 km N of Bulgan, 1,500 m, 46°33' N 91°22' E; 16) **Dod-Naryin-gol** – 40 km N Bulgan vill., Bulgan-gol basin, middle stream of Dod-Naryin-gol river, Shara-Nuruu Mts., 1,400–1,700 m, 46°29' N 91°29' E; 17) **Darkhijn-Shurag-Gol** – under stream of Darkhijn-Shurag-Gol riv., near Erdene-Buren-Somon, 1,400 m, 48°18' N 91°18' E; 18) **Barangijn-Shara-Nuruu** – Dzhungarian Gobi desert, Barangijn-Shara-Nuruu Mts., 15 km S of Bulgan somon, 1,300 m, 45°53' N 91°19' E; 19) **Arshantyn-Nuruu** – Bulgan-gol basin, Arshantyn-Nuruu Mts., Bayan-gol basin, middle stream of Ulyastain-Sala river, 1,700–2,300 m, 46°19' N 91°07' E; 20) **Arshantyn-Nuruu (N)** – Arshantyn-Nuruu Mts. (northern slopes) (46°22'08 N; 91°13'52 E), 1700 m; 21) **Uench** – Uenchin-Gol river, 25 km SW of Uench vill., 1100 m, 46°07' N 92°03' E; 22) **Uenchin-Gol** – Uenchin-Gol Valley, 50 km N of Uench vill., 1,500 m, 46°23' N 92°10' E; 23) **Hundijn-Gol** – Bodonchijn-Gol basin, Hundijn-Gol river Valley, 1,600 m, 46°06' N 92°30' E; 24) **Elkhony-**

Ekhen-Tal – 30 km S Altai somon, Bodonchijn-Gol river valley (under stream), Elkhony-Ekhen-Tal place, 1,200 m, 45°43' N 92°05' E; 25) **Altan-Obo** – Baitag-Bogdo Range, Altan-Obo, 1,900–2,200 m, 45°13' N 90°56' E; 26) **Baruun-Khargaityn-Gol** – Bajtag-Bogd-Uul Mts., Baruun-Khargaityn-Gol river Valley, 1,900–2,000 m, 45°16' N; 90°57' E; 27) **Gushoot-Shineetijn-Gol** – Bajtag-Bogd-Uul Mts., Gushoot-Shineetijn-Gol river Valley, 2,000 m, 45°15' N; 91°03' E; 28) **Dzhinten-Shovgor-Ula** – Bajtag-Bogd-Uul Mts., Dzhinten-Shovgor-Ula Mt., 1,850–1,950 m, 45°13' N; 91°21' E; 29) **Nerijn-Bulak** – Ikh-Khavtag-Nuruu Mts., Nerijn-Bulak spring, Dzeren-Bulak, 1,950–2,000 m, 45°06' N; 91°56' E; 30) **Narijn-Nuru** – Ikh-Khavtag-Nuruu Mts., Narijn-Nuruu spring, 45 km W Dzeren-Bulak, 1,900–2,000 m, 45°05' N; 92°05' E; 31) **Baga-Khavtgijn-Nuruu** – Baga-Khavtgijn-Nuruu Mts., 45 km W Tsargin, 1,700 m, 44°58' N; 93°25' E; 32) **Buyant-Gol** – 30 km S Hovd [Kobdo], Buyant-Gol river valley, 1,700–1,750 m, 47°44' N; 91°35' E; 33) **Tashun-U** – 75 km SW Uench, Tashun-U spring, 45°40' N; 91°21' E; 34) **Mankhan** – 45 km S Mankhan, 2,200 m, 47°02' N; 92°14' E; 35) **Dzhun-Zhargalant-Hajirkhan** – 35 km NE Mankhan, Western slope of Dzhun-Zhargalant-Hajirkhan Mts., 1,900 m, 47°40' N; 92°30' E; 36) **Bodgony-Hutel** – between Bodgony-Hutel and Khara-Belchir-Daba pass, 2,400 m, 46°45' N 92°31' E; 37) **Uvkhod-Ula** – Dzhungarian Gobi, 45 km S Bulgan somon, Uvkhod-Ula Mt. 1,200 m, 45°48' N 91°06' E;

GOBI-ALTAI AIMAK: 38) **Hara-Adzragyn-Nuru** – Hara-Adzragyn-Nuru Mts., Najtvaryn-Sajr river Valley (under stream), 1,700–2,000 m, 45°52' N 95°30' E; 39) **Bidzh** – 20 km NWW of Bidzh village, Hundlengijn-Shil place, 1,650 m, 45°36' N; 93°32' E; 40) **Mogoijn-Gol** – Mongolian Altai Mts. (S. slope), Mogoijn-Gol Valley, 1,800 m, 45°39' N; 93°47' E; 41) **Altai** – 40 km ENE Altai, 46°32' N 96°47' E; 42) **Tsargin** – Takhijn-Shara-Nuru Mt. Range, 5 km S of Tsargin, 44°55' N 93°50' E; 43) **Atas-Ula** Mts., 1,950–2,150 m, 44°54' N 95°11' E; 44) **Tajshir** – near Tajshir, Dzabhan river Valley, Ikh-Nomgon-Ula Mt., 1,400 m, 46°48' N; 96°31' E; 45) **Dutijn-Dava** pass, 37 km ENE Tsogt, 2,800–2,850 m, 45°30' N 96°19' E; 46) **Dariv** – near Dariv, 1,450 m, 46°27' N 94°07' E; 47) **Dzalen-Sudzhijn-Bulak** – Adzh-Bogdo Mts. (N. slope), Dzalen-Sudzhijn-Bulak spring, 1,200 m, 45°06' N; 94°45' E; 48) **Khalba-Khairkhan** – Adzh-Bogdo Mts. (NE slope), near Khalba-Khairkhan Mt., 1,700 m, 45°03' N; 94°59' E; 49) **Beger** – 30 km S Beger, 2,500 m, 45°27' N; 97°08' E; 50) **Bayan** – 6 km E Bayan, 46°05' N; 95°43' E; 51) **Khatan-Khairkhan** – 60 km SW Tsogt, N slope of Khatan-Khairkhan, 1,225 m, 44°59' N; 96°08' E; 52) **Khatavchijn-Bulak** – 75 km WNW Altai, Khatavchijn-Bulak, 1,400 m, 45°06' N; 94°54' E; 53) **Adzh-Bogdo** – 20 km NW Altai, Adzh-Bogdo Mts., 2,050–2,300 m, 44°47' N; 94°54' E.

RESULTS AND DISCUSSION

An annotated list of the Chrysomelidae (Cryptocephalinae) fauna of the Mongolian Altai

In the present paper we give an annotated list of Chrysomelidae belonging to four subfamilies Cryptocephalinae from the Mongolian Altai. To compile the list, we referred to the literary data of other researchers.

Cryptocephalinae Gyllenhal, 1813

Labidostomis Chevrolat, 1836

Labidostomis (Labidostomis) Chevrolat, 1836

L. (Labidostomis) metallica dzhungarica L. Medvedev, 1980

Medvedev 1980: 312; 1982: 213; Lopatin et. al., 2004: 33; Regalin & Medvedev 2010: 571.

Material examined. Tsargin, 19-22.vii.1975; Adzh-Bogdo, 18.vii.1975, leg. L. Medvedev N. Voronova (LMC); Narijn-Nuru, 22-23.vii.1975, leg. L. Medvedev (LMC); Dzhinten-Shovgor-Ula, 24-25.vii.1975, leg. L. Medvedev (LMC); Arshantyn-Nuruu, 23-25.vi.2005, leg. R. Yakovlev (EGC); & D. Ryzhkov (EGC); Hundijn-Gol, 3.vii.2010, leg. E.V. Guskova & R.V. Yakovlev (EGC); Altan-Soembo, 5.vii.2010, leg. E.V. Guskova & R.V. Yakovlev (EGC); Hundijn-Gol, 28.v.2011, leg. R. Yakovlev (EGC); Khalba-Khairkhan, 3-4.vi.2011, leg. R. Yakovlev (EGC); Arshantyn-Nuruu, 9-10.vi.2011, leg. R. Yakovlev (EGC); Arshantyn-Nuruu (N), 15-17.v.2012, leg. R. Yakovlev (EGC).

Distribution. Mongolia (Hovd, Gobi-Altai). NW China.

Notes. An endemic of Mongolian Altai, described by Medvedev (1980) from the mountains Takhijn-Shara-Nuru Mt. Range (Gobi-Altai aimak). Inhabits dry mountain slopes Beetles feed on *Caragana* (Fabaceae).

L. (Labidostomis) urticarum Frivaldszky, 1892

=*L. (Labidostomis) bipunctata* (Mannerheim, 1825)

Lopatin 1964: 366; 1966: 230; 1968: 207; 1970: 249; 1971: 219; 1975: 194; Medvedev & Dubeshko 1974: 186; Medvedev & Voronova, 1976: 222; 1977b: 218; 1979: 99; Medvedev & Zaitzev 1978: 59; Medvedev 1982: 212; Lopatin et. al. 2004: 31; Regalin & Medvedev 2010: 573.

Material examined. Hara-Adzragyn-Nuru, 15–16.vii.2010, leg. E.V. Guskova & R.V. Yakovlev (EGC).

Distribution. Mongolia (widespread). Russia (Altai, Tuva, Irkutsk region, Magadan region, Chita region, Yakutia, Khabarovsk region, Far East), Kazakhstan, China (Beijing, Gansu, Hebei, Heilongjiang, Jilin, Liaoning, Nei Mongol, Shaanxi, Shandong, Shanxi), North Korea.

L. (Labidostomis) senicula Kraatz, 1872

Lopatin 1975: 194; Medvedev & Korotyaev 1976: 242; Medvedev & Voronova 1977a: 321; 1979: 99;

Medvedev & Pustovoit 1977: 206; Medvedev 1982: 213; Lopatin et. al. 2004: 34; Regalin & Medvedev 2010: 572.

Material examined. Dutijn-Dava, 9.vii.1975, leg. L. Medvedev (LMC); Adzh-Bogdo, 15-16.vii.1975, leg. L. Medvedev (LMC); Adzh-Bogdo, 18.vii.1975, leg. L. Medvedev (LMC); Tsargin, 19-22.vii.1975, leg. L. Medvedev (LMC); Dutijn-Dava, 22.vii.1975, leg. L. Medvedev (LMC); Hundijn-Gol, 28.v.2011, leg. R. Yakovlev (EGC); Bidzh, 5.vi.2011, leg. R. Yakovlev (EGC); Elkhony-Ekhen-Tal, 7.vi.2011, leg. R. Yakovlev (EGC).

Distribution. **Mongolia** (Hovd, Gobi-Altai, Ubsunur, Bayankhongor, Uverhang, Mid-Gobi, South Gobi, East Gobi, Eastern). SE of European Russia, Kazakhstan, Afghanistan, Tajikistan, Uzbekistan, India, NW China.

***L. (Labidostomis) tjutschewi* Jacobson, 1902**

Lopatin 1968: 207; Medvedev & Voronova 1976: 223; 1977a: 321; 1979: 99; Medvedev & Zaitzev 1977b: 354; 1978: 52; Kaszab 1977: 65; Medvedev 1982: 212; Lopatin et. al. 2004: 34; Regalin & Medvedev 2010: 572.

Material examined. Tsengel, 26-30.vii.2009, leg. E.V. Guskova & R.V. Yakovlev (EGC); Tsengel, 25-27.vii.2010, leg. E.V. Guskova & R.V. Yakovlev (EGC).

Distribution. **Mongolia** (Bayan-Ulegei (new record), Hovd, Zavhan, Khubsugul, Arkhangai, Bulgan, Central, Eastern). Russia (Tuva, Irkutsk region, Magadan region, Chita region, Yakutia, Far East), North Korea.



Figure 2. *Labidostomis yakovlevi* Gus'kova, 2006, male, W Mongolia, Kobdo-gol Valley, 20 km SW Tsengel, (between Bor-Burgas-Gol and Mukharyn-Gol rivers), 1,900–2,200 m, 48°49' N 88°59' E, vii.2007 (photo by R. Yakovlev)

***L. (Labidostomis) yakovlevi* Gus'kova, 2006 (Fig. 2–3)**

Guskova 2006: 304. Regalin & Medvedev 2010:

Material examined. Elt-Gol, 2.vii.2005, leg. R. Yakovlev (EGC); Tsengel, 21.vii.2007, leg. E.V. Guskova & R.V. Yakovlev (EGC); Tsengel, 25-27.vii.2010, leg. E.V. Guskova & R.V. Yakovlev (EGC).

Distribution. **Mongolia** (Bayan-Ulegei).

Bionomics. inhabit steppe shrubby mountain slopes at the altitude of 2100-2300 m asl. Beetles feed on *Rheum* (Polygonaceae).

Notes. Endemic of Mongolian Altai.

***Clytra* Laicharting, 1781**

***Clytra (Clytra)* Laicharting, 1781**

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

Weise 1898: 182; Medvedev 1961: 648; 1982: 214; Lopatin 1968: 207; 1970: 250; 1975: 195; Medvedev & Dubeshko 1974: 187; Medvedev & Zaitzev 1974: 207; 1978: 61; Lopatin et. al. 2004: 36; Regalin & Medvedev 2010: 566.

Material examined. Dod-Naryin-gol, 26.vi.2005, leg. R. Yakovlev & D. Ryzhkov (EGC); Dod-Naryin-gol, 14.vii.2007, leg. E.V. Guskova & R.V. Yakovlev (EGC).

Distribution. **Mongolia** (Hovd, Arkhangai, Uverhang, Central). Europe, Caucasus, Asia Minor, Middle Asia, Kazakhstan, Russia (European part, W and Middle Siberia, Altai, Amurland).



Figure 3. Type locality of *Labidostomis yakovlevi* Gus'kova, 2006, W Mongolia, middle stream of Elt-Gol river (Kara-Irtys basin), Khorabajn-Salaa Valley, 2,100–2,300 m, 48°07' N 89°11' E, vii.2005 (photo by D. Ryzhkov)

Clytra (Clytraria) Semenov, 1903

***C. (Clytraria) atraphaxidis punctata* Weise, 1890**

Medvedev 1961: 645; 1982: 214; Lopatin 1964: 366; 1966: 230; 1968: 207; 1970: 250; 1971: 220; 1975: 195; Medvedev & Zaitzev 1974: 206; 1978: 60; Medvedev & Korotyaev 1975: 180; 1976: 242; Medvedev & Voronova 1976: 223; 1977a: 322; 1977b: 218; 1979: 100; Medvedev & Pustovoit 1977: 206; Lopatin et.al. 2004: 34; Regalin & Medvedev 2010: 567.

Material examined. Arshantyn-Nuruu, 13-14.vii.2003, leg. R. Yakovlev (EGC); Uvkhod-Ula, 9.vii.2009, leg. E.V. Guskova & R.V. Yakovlev (EGC); Barangijn-Shara-Nuruu, 11.vii.2007, leg. E.V. Guskova & R.V. Yakovlev (EGC); Arshantyn-Nuruu, 12.vii.2007, leg. E.V. Guskova & R.V. Yakovlev (EGC); Dod-Naryin-gol, 14.vii.2007, leg. E.V. Guskova & R.V. Yakovlev (EGC); Bodgony-Hute, 5.vii.2009, leg. E.V. Guskova & R.V. Yakovlev (EGC); Altan-Soembo, 5.vii.2010, leg. E.V. Guskova & R.V. Yakovlev (EGC).

Distribution. **Mongolia** (widespread). Russia (Altai), E Kazakhstan, NW China.

Smaragdina Chevrolat, 1836

S. collaris (Fabricius, 1781)

Lopatin 1964: 366; 1966: 230; 1968: 208; 1971: 220; 1975: 195; Medvedev & Dubeshko 1974: 187; Medvedev & Zaitzev 1974: 207; 1978: 62; Medvedev & Voronova 1976: 223; 1977a: 322; 1977b: 218; 1979: 100; Medvedev & Pustovoit 1977: 206; Medvedev 1982: 216; Lopatin et. al. 2004: 38; Regalin & Medvedev 2010: 576.

Material examined. Arshantyn-Nuruu, 19-20.vi.2005, leg. R. Yakovlev & D. Ryzhkov (EGC); Altai (BU), 8.vii.2005, leg. R. Yakovlev & D. Ryzhkov (EGC); Darkhijn-Shurag-Gol, 4.vii.2007, leg. E.V. Guskova & R.V. Yakovlev (EGC); Tsengel, 26-30.vii.2009, leg. E.V. Guskova & R.V. Yakovlev (EGC); Hara-Adzragyn-Nuru, 15–16.vii.2010, leg. E.V. Guskova & R.V. Yakovlev (EGC).

Distribution. **Mongolia** (widespread). Kazakhstan, Russia (Tuva, E Siberia), China (Gansu, Hebei).

***S. thoracica dzhungarica* L. Medvedev, 1980**

Medvedev 1982: 216; Guskova 2006: 305; Regalin & Medvedev 2010: 578.

Material examined. Tsargin, 19-22.vii.1975, leg. L. Medvedev (LMC); Dod-Naryin-gol, 26.vi.2005, leg. R. Yakovlev & D. Ryzhkov (EGC); Mogoijn-Gol, 6-8.vii.2010, leg. E.V. Guskova & R.V. Yakovlev (EGC); Tolbo, 25.v.2011, leg. R. Yakovlev (EGC); Hundijn-Gol, 28.v.2011, leg. R. Yakovlev (EGC); Elkhony-Ekhen-Tal, 7.vi.2011, leg. R. Yakovlev (EGC); Arshantyn-Nuruu (N), 15-17.v.2012, leg. R. Yakovlev (EGC); Baruun-Khargaityn-Gol, 18-21.05.2015, leg. R. & A. Yakovlev (EGC).

Distribution. Mongolia (Hovd, Gobi-Altai).

Notes. An endemic of Mongolian Altai, described by Medvedev (1980) from the mountains Takhijn-Shara-Nuru Mt. Range (Gobi-Altai aimak). E.V. Gus'kova (2006) indicates new discoveries in the Hovd Aimak. Inhabits dry mountain slopes. Beetles feed on *Caragana* (Fabaceae).

***Cheilotoma* Chevrolat, 1836**

***Cheilotoma (Cheilotoma)* Chevrolat, 1836**

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

Guskova 2006: 305; Regalin & Medvedev 2010: 565.

Material examined. Elt-Gol, 1-8.vii.2005, leg. R. Yakovlev & D. Ryzhkov (EGC); Tsengel, 26-30.vii.2009, leg. E.V. Guskova & R.V. Yakovlev (EGC); Tsengel, 25-27.vii.2010, leg. E.V. Guskova & R.V. Yakovlev (EGC).

Distribution. Mongolia (Bayan-Ulegei). Europe, Caucasus, N Kazakhstan, Russia (Altai, Tuva, Irkutsk region).

***Coptocephala* Chevrolat, 1836**

***Coptocephala (Coptocephala)* Chevrolat, 1836**

***C. (Coptocephala) rubicunda* (Laicharting, 1781)**

Material examined. Uvkhod-Ula, 9.vii.2009, leg. E.V. Guskova & R.V. Yakovlev (EGC).

Distribution. Mongolia (Hovd (new record)). SE, Central and southern E Europe, Ciscaucasia, Georgia, N Kazakhstan, southern parts of W and Middle Siberia, Cisbaikalia.

Notes. Registered for the Mongolia for the first time.

***C. (Coptocephala) rubicunda rossica* L. N. Medvedev, 1977**

Material examined. Barangiyn-Shara-Nuruu, 11.vii.2007, leg. E.V. Guskova & R.V. Yakovlev (EGC).

Distribution. Mongolia (Hovd) (new record). Belarus, Georgia, Russia (S European part), Kazakhstan.

Notes. Registered for the Mongolia for the first time.

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

Guskova 2006: 305.

Material examined. Arshantyn-Nuruu, 23-25.vi.2005, leg. R. Yakovlev & D. Ryzhkov (EGC); Arshantyn-Nuruu, 12.vii.2007, leg. E.V. Guskova & R.V. Yakovlev (EGC); Hundijn-Gol, 3.vii.2010, leg. E.V. Guskova & R.V. Yakovlev (EGC); Altan-Soembo, 5.vii.2010, leg. E.V. Guskova & R.V. Yakovlev (EGC); Hara-Adzragyn-Nuru, 15-16.vii.2010, leg. E.V. Guskova & R.V. Yakovlev (EGC).

Distribution. Mongolia (Hovd, Gobi-Altai (new record)). Europe, Caucasus, Kazakhstan, W Siberia).

***C. (Coptocephala) unifasciata australis* L. N. Medvedev, 1965**

Medvedev & Voronova 1977a: 323; 1979: 101; Medvedev 1982: 215; Regalin & Medvedev 2010: 560.

Material examined. Tsargin, 22.vii.1975, leg. L. Medvedev (LMC); Narijn-Nuru, 22-23.vii.1975, leg. L. Medvedev (LMC); Baga-Khavgijn-Nuruu, 24.vii.1975, leg. L. Medvedev (LMC); Dzhinten-Shovgor-Ula, 24-25.vii.1975, leg. L. Medvedev (LMC); Altan-Obo, 25-27.vii.1975, leg. L. Medvedev (LMC); Arshantyn-Nuruu, 12.vii.2007, leg. E.V. Guskova & R.V. Yakovlev (EGC); Bulgan (upper), 16.vii.2007, leg. E.V. Guskova & R.V. Yakovlev (EGC); Dariv, 23.vii.2010, leg. E.V. Guskova & R.V. Yakovlev (EGC).

Distribution. Mongolia (Bayan-Ulegei (new record), Hovd, Gobi-Altai). Kazakhstan, Kyrgyzstan, Tajikistan, Uzbekistan, Turkmenistan Afghanistan (Hissar-Darvaz Mountains).

***Cryptocephalus* Geoffroy, 1762**

***Cryptocephalus (Asionus)* Lopatin, 1988**

***Cr. (Asionus) altaicus* Harold, 1872**

= *Cr. agnus* Weise, 1898

Weise 1899: 184; Cherepanov 1965: 53; Lopatin 1964: 367; 1966: 231; 1967: 159; 1968: 209; 1970: 250; 1971: 220; 1975: 200; Medvedev & Voronova 1976: 223; 1977: 322; 1977: 218; 1979: 101; Medvedev & Pustovoit 1977: 206; Medvedev & Zaitzev 1977b: 244; 1978: 72; Medvedev 1982: 216; Lopatin et. al. 2010: 580.

Material examined. Dzhun-Zhargalant-Hajirkhan, 28.vii.1976, leg. L. Medvedev (LMC); Dariv, 23.vii.2010, leg. E.V. Guskova & R.V. Yakovlev (EGC).

Distribution. Mongolia (widespread except the extreme west. Gobi-Altai (new record). Russia (Altai, Tuva, Krasnoyarsk krai, Transbaikalia), China.

***Cr. (Asionus) bidentulus klementzi* Ogloblin, 1956**

Ogloblin 1956: 890; Lopatin 1975: 202; Medvedev & Korotyaev 1975: 180; Medvedev & Voronova 1977b: 324; Medvedev 1979: 162; 1982: 218; Lopatin et. al. 2010: 581.

Material examined. Nerijn-Bulak, 22-23.vii.1975, leg. L. Medvedev (LMC); Adzh-Bogdo, 15-16.vii.1975, leg. L. Medvedev (LMC); Adzh-Bogdo, 18.vii.1975, leg. L. Medvedev (LMC); Tsargin, 19-22.vii.1975, leg. L. Medvedev (LMC); Dut, 3.viii.1975, leg. L. Medvedev (LMC); Buyant-Gol, 3-5.viii.1975, leg. L. Medvedev (LMC).

Distribution. NW Mongolia. Russia (W and E Siberia).

Cr. (*Asionus*) *bidentulus subdesertus* L. N. Medvedev, 1980

Medvedev 1980: 316; 1982: 219; Lopatin et. al. 2010: 581.

Material examined. Hundijn-Gol, 3.vii.2010, leg. E.V. Guskova & R.V. Yakovlev (EGC); Altan-Soembo, 5.vii.2010, leg. E.V. Guskova & R.V. Yakovlev (EGC); Bidzh, 5.vi.2011, leg. R. Yakovlev (EGC).

Distribution. S Mongolia.

Notes. Endemic of Mongolia.

Cr. (*Asionus*) *bivulneratus* Faldermann, 1835

Medvedev 1982: 220; Lopatin et. al. 2010: 581.

Material examined. Beger, 8-12.vii.1975, leg. L. Medvedev (LMC).

Distribution. Mongolia (widespread). Russia (E Siberia).

Cr. (*Asionus*) *crux* Gebler, 1848

Cherepanov 1965: 53; Lopatin 1966: 231; 1967: 159; 1968: 209; 1970: 251; 1971: 221; 1975: 201; Mohr 1966: 367; Medvedev & Dubeshko 1974: 187; Medvedev & Voronova 1976: 224; 1977b: 323; 1977a: 218; 1979: 102; Medvedev & Pustovoi 1977: 206; Medvedev & Zaitzev 1977b: 244; 1978: 73; Medvedev 1982: 220; Lopatin et. al. 2010: 581.

Material examined. Adzh-Bogdo, 18.vii.1975, leg. L. Medvedev (LMC).

Distribution. Mongolia (widespread). E Kazakhstan, Russia (S Siberia, Tuva, Yakutia, Far East), China.

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

Material examined. Arshantyn-Nuruu, 12.vii.2007, leg. E.V. Guskova & R.V. Yakovlev (EGC); Arshantyn-Nuruu, 9.-10.vi.2011, leg. R. Yakovlev (EGC).

Distribution. Mongolia (Hovd) (new record). Russia (S European part, W Siberia), Kazakhstan.

Notes. Registered for the Mongolia for the first time.

Cr. (*Asionus*) *globulus* Lopatin, 1953

Medvedev 1978: 192; 1982: 221; Lopatin et. al. 2010: 581.

Distribution. Mongolia (Hovd). Kazakhstan, Kirghizstan, Uzbekistan.

Cr. (*Asionus*) *hirtipennis* Faldermann, 1835

Medvedev 1982: 221; Guskova 2006: 305; Lopatin et. al. 2010: 582.

Material examined. Elt-Gol, 1-8.vii.2005, leg. R. Yakovlev & D. Ryzhkov (EGC).

Distribution. Mongolia (Bayan-Ulegei, Zavhan, Khubsugul, Arkhangai, Bulgan, Selenge, Central, Eastern, Uverhang). Russia (S Siberia, Yakutia, Far East), Japan, China (Heilongjiang), North Korea.

Cr. (*Asionus*) *korotyaevi korotyaevi* L. N. Medvedev, 1980

Medvedev 1980: 314; 1982: 219; Lopatin et. al. 2010: 582.

Material examined. Dut, 3.viii.1975, leg. L. Medvedev (LMC); Buyant, 22.vii.1976, leg. L. Medvedev (LMC); Tolbo, 24.vii.1975, leg. L. Medvedev (LMC).

Distribution. Mongolia (Bayan-Ulegei, Hovd). Russia (Tuva).

Cr. (*Asionus*) *korotyaevi shamoensis* L.N. Medvedev, 1980

Medvedev 1979: 162; 1980: 316; 1982: 219; Lopatin 1968: 209; 1975: 202; Medvedev & Voronova 1977b: 324; 1979: 103; Lopatin et. al. 2010: 582.

Material examined. Tajshir, 17.vii.2010, leg. E.V. Guskova & R.V. Yakovlev (EGC).

Distribution. Mongolia (Hovd, Gobi-Altai, Bayankhongor, Uverhang).

Notes. Endemic of Mongolia.

Cr. (*Asionus*) *sarafschanensis grumi* Lopatin, 1976

Medvedev & Voronova 1977b: 324; 1979: 102; Medvedev & Zaitzev 1977: 244; Medvedev 1982: 220; Lopatin et. al. 2010: 583.

Material examined. Narijn-Nuru, 22-23.vii.1975, leg. L. Medvedev (LMC); Dzhinten-Shovgor-Ula, 24-25.vii.1975, leg. L. Medvedev (LMC); Altan-Obo, 25-27.vii.1975, leg. L. Medvedev (LMC); Baruun-Khargaityn-Gol, 18-21.05.2015, leg. R. & A. Yakovlev (EGC); Gushoot-Shineetijn-Gol, 23-26.v.2015, leg. R. & A. Yakovlev (EGC).

Distribution. Mongolia (Hovd). E Kazakhstan.

Cr. (*Asionus*) *stackelbergi* Lopatin, 1971

Lopatin 1977: 153; Medvedev & Voronova 1977b: 324; Medvedev 1982: 218; Lopatin et. al. 2010: 583.

Material examined. Arshantyn-Nuruu, 23-25.vi.2005, leg. R. Yakovlev & D. Ryzhkov (EGC); Bidzh, 5.vi.2011, leg. R. Yakovlev (EGC); Elkhony-Ekhen-Tal, 7.vi.2011, leg. R. Yakovlev (EGC); Arshantyn-Nuruu, 9-10.vi.2011, leg. R. Yakovlev (EGC); Baruun-Khargaityn-Gol, 18-21.05.2015, leg. R. & A. Yakovlev (EGC); Gushoot-Shineetijn-Gol, 23-26.05.2015, leg. R. & A. Yakovlev (EGC).

Distribution. SW Mongolia. Central and E Kazakhstan.

Cr. (*Asionus*) *tamaricis* Solsky, 1867

Medvedev 1978: 191; 1982: 222; Lopatin et. al. 2010: 584.

Material examined. Dzalen-Sudzhijn-Bulak, 3.vi.2011, leg. R. Yakovlev (EGC).

Distribution. Mongolia (Gobi-Altai). SE Russian Plain, E Transcaucasia, Kazakhstan, Turkmenistan, Uzbekistan, NE China.

Cr. (*Asionus*) *undulatus* Suffrian, 1854

Medvedev & Voronova 1977a: 326; 1979: 104; Medvedev & Zaitzev 1977b: 244; Medvedev 1982: 227; Lopatin et. al. 2010: 584.

Material examined. Khatan-Khairkhan, 13-14.vii.1975, leg. L. Medvedev (LMC);

Distribution. Mongolia (Hovd, Gobi-Altai, Bayankhongor, South Gobi). Kazakhstan, Turkmenistan, Kirghizstan, Uzbekistan, Tajikistan (except for the Pamirs).

***Cryptocephalus* (*Heterichnus*) *Warchalowski*, 1991**

Cr. (*Heterichus*) *macrodactylus* Gebler, 1830

Material examined. Arshantyn-Nuruu, 23-25.vi.2005, leg. R. Yakovlev & D. Ryzhkov (EGC).

Distribution. Mongolia (Hovd) (new record). Russia (S Altai), Kyrgyzstan, Kazakhstan, Uzbekistan.

Notes. Registered for the Mongolia for the first time.

***Cryptocephalus* (*Cryptocephalus*) *Geoffroy*, 1762**

Cr. (*Cryptocephalus*) *flavipes* Fabricius, 1781

Guskova, 2006: 304.

Material examined. Elt-Gol, 1-8.vii.2005, leg. R. Yakovlev & D. Ryzhkov (EGC).

Distribution. Mongolia (Bayan-Ulegei). All over Palearctic except for the Central Asia, Korea, Japan.

Cr. (*Cryptocephalus*) *krutovskii* *krutovskii* Jacobson, 1901

Material examined. Arshantyn-Nuruu, 23-25.vi.2005, leg. R. Yakovlev & D. Ryzhkov (EGC).

Distribution. Mongolia (Hovd (new record), Arkhangai). Russia (E Altai, Tuva, Sayan, Transbaikalia).

Notes. Registered for the Mongolian Altai for the first time.

Cr. (*Cryptocephalus*) *krutovskii* *gebleri* Jacobson, 1924

Guskova, 2006: 305.

Material examined. Elt-Gol, 1-8.vii.2005, leg. R. Yakovlev & D. Ryzhkov (EGC); Tsengel, 25-27.vii.2010, leg. E.V. Guskova & R.V. Yakovlev (EGC); Ulan-Daba, 26.v.2011, leg. R. Yakovlev (EGC).

Distribution. Mongolia (Bayan-Ulegei, Arkhangai). E Kazakhstan, Russia (W and E Siberia).

Cr. (*Cryptocephalus*) *laetus* Fabricius, 1792

Guskova 2006: 305.

Material examined. Arshantyn-Nuruu, 23-25.vi.2005, leg. R. Yakovlev & D. Ryzhkov (EGC).

Distribution. Mongolia (Hovd). Europa except for the West and North, N Caucasus, Kazakhstan except for the South, Russia (European part, W Siberia, Altai).

Cr. (*Cryptocephalus*) *monilis* Weise, 1890

Lopatin 1970: 251; 1975: 203; Medvedev & Voronova 1977a: 325; 1979: 103; Medvedev 1982: 228; Lopatin et. al. 2010: 597.

Material examined. Khatan-Khairkhan, 15.vii.1975, leg. L. Medvedev (LMC); Khatavchijn-Bulak, 19.vii.1975, leg. L. Medvedev (LMC); Tashun, 28.vii.1975, leg. L. Medvedev (LMC); Uench, 28.vii.1975, leg. L. Medvedev (LMC); Dzalen-Sudzhijn-Bulak, 3.vi.2011, leg. R. Yakovlev (EGC); Khalba-Khairkhan, 3-4.vi.2011, leg. R. Yakovlev (EGC).

Distribution. Mongolia (Hovd, Gobi-Altai, Bayankhongor, Uverhang, South Gobi). Kazakhstan.

Cr. (*Cryptocephalus*) *regalis* Gebler, 1830

Lopatin et. al. 2010: 600.

Material examined. Elt-Gol, 1-8.vii.2005, leg. R. Yakovlev & D. Ryzhkov (EGC).

Distribution. Mongolia (Bayan-Ulegei) (new record). Russia (W and E Siberia, Far East), China, North Korea, Japan.

Notes. Registered for the Mongolia for the first time.

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

Cherepanov 1965: 54; Medvedev 1982: 222; Lopatin et. al. 2010: 601.

Material examined. Elt-Gol, 1-8.vii.2005, leg. R. Yakovlev & D. Ryzhkov (EGC); Arshantyn-Nuruu, 23-25.vi.2005, leg. R. Yakovlev & D. Ryzhkov (EGC); Arshantyn-Nuruu, 12.vii.2007, leg. E.V. Guskova & R.V.

Yakovlev (EGC).

Distribution. Mongolia (Bayan-Ulegei, Hovd). Europe, Kazakhstan, W Siberia, Altai, Yakutia.

Cr. (*Cryptocephalus*) *tataricus* Gebler, 1841

Medvedev & Voronova 1977a: 326; 1979: 104; Medvedev 1982: 224; Lopatin et. al. 2010: 602.

Material examined. Nerijn-Bulak, 22-23.vii.1975, leg. L. Medvedev (LMC); Dzhinten-Shovgor-Ula, 24-25.vii.1975, leg. L. Medvedev (LMC); Altan-Obo, 25-27.vii.1975, leg. L. Medvedev (LMC); Dariv, 23.vii.2010, leg. E.V. Guskova & R.V. Yakovlev (EGC); Baruun-Khargaityn-Gol, 18-21.v.2015, leg. R. & A. Yakovlev (EGC).

Distribution. Mongolia (Hovd). S and E Kazakhstan, Kirgizstan, Uzbekistan, Tajikistan, Russia (Tuva, E Siberia).

***Cryptocephalus* (*Burlinius*) *Lopatin*, 1965**

Cr. (*Burlinius*) *dilutellus* Jacobson, 1901

Medvedev & Voronova 1977a: 327; 1979: 106; Medvedev 1982: 229; Lopatin et. al. 2010: 584.

Material examined. Dzhinten-Shovgor-Ula, 24-25.vii.1975, leg. L. Medvedev (LMC); Altan-Obo, 25-27.vii.1975, leg. L. Medvedev (LMC); Bulgan, 29.vii.1975, leg. L. Medvedev (LMC); Mogoijn-Gol, 11.vii.2009, leg. E.V. Guskova & R.V. Yakovlev (EGC).

Distribution. Mongolia (Hovd, Gobi-Altai (new record)). Kazakhstan, N and Central Tajikistan, Turkmenistan, Kirgizstan, Uzbekistan.

Cr. (*Burlinius*) *pallifrons* Gyllenhal, 1813

= *irkutensis* Clavareau, 1913

= *pallidifrons* Clavareau, 1913

Medvedev 1982: 228.

Material examined. Bulgan (upper), 16.vii.2007, leg. E.V. Guskova & R.V. Yakovlev (EGC); Tsengel, 21.vii.2007, leg. E.V. Guskova & R.V. Yakovlev (EGC); Tsengel, 25-27.vii.2010, leg. E.V. Guskova & R.V. Yakovlev (EGC).

Distribution. Mongolia (Hovd (new record), Ubsunur, Zavhan, Arkhangai, Selenge, Central, Eastern). Europe, Kazakhstan, Russia (W and E Siberia, Far East).

Notes. Registered for the Mongolian Altai for the first time.

***Cryptocephalus* (*Protophysus*) *Chevrolat*, 1836**

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

Material examined. Arshantyn-Nuruu, 9-10.vi.2011, leg. R. Yakovlev (EGC).

Distribution. Mongolia (Hovd) (new record). Europe, Kazakhstan, Russia (European part, W and E Siberia).

Notes. Registered for the Mongolia for the first time.

***Pachybrachis* *Chevrolat*, 1836**

***Pachybrachis* (*Pachybrachis*) *Chevrolat*, 1836**

***P. (Pachybrachis) amurensis* L. N. Medvedev, 1973**

Lopatin 1974: 177; 1975: 197; Medvedev & Dubeshko 1974: 189; Medvedev & Voronova 1977a: 328; 1979: 107; Medvedev 1982: 233; Scholler et.al. 2010: 612.

Material examined. Adzh-Bogdo, 18.vii.1975, leg. L. Medvedev (LMC); Khatavchijn-Bulak, 19.vii.1975, leg. L. Medvedev (LMC).

Distribution. Mongolia (Gobi-Altai, Zavhan, Arkhangai, Central, Uverhang, Eastern, Bayankhongor). Russia (Tuva, Amurland, Maritime Prov.).

***P. (Pachybrachis) capreus dzhungaricus* L. N. Medvedev et Rybakova, 1980**

Medvedev & Voronova 1977a: 328; Medvedev & Rybakova 1980: 44; Medvedev 1982: 229; Scholler et.al. 2010: 612.

Material examined. Altan-Obo, 25-28.vii.1975, leg. L. Medvedev (ZIN).

Distribution. Mongolia (Hovd).

Notes. Endemic of Mongolian Altai.

***P. (Pachybrachis) gobicus* Lopatin, 1977**

Lopatin 1977: 304; Medvedev & Voronova 1979: 107; Medvedev 1982: 230; Scholler et.al. 2010: 613.

Material examined. Bayan, 15-17.viii.1968, leg. Emelyanov (ZIN).

Distribution. Mongolia (Bayan-Ulegei).

Notes. Endemic of Mongolian Altai.

***P. (Pachybrachis) latipes* Lopatin, 1971**

Lopatin 1971: 230; 1975: 197; Medvedev & Voronova 1977a: 328; Medvedev 1982: 232; Scholler et.al. 2010: 614.

Material examined. Hundijn-Gol, 3.vii.2010, leg. E.V. Guskova & R.V. Yakovlev (EGC); Bidzh, 5.vi.2011, leg. R. Yakovlev (EGC); Hundijn-Gol, 28.v.2011, leg. R. Yakovlev (EGC); Gushoot-Shineetijn-Gol, 23-

26.05.2015, leg. R. & A. Yakovlev (EGC).

Distribution. **Mongolia** (Hovd, Gobi-Altai (new record)). E Kazakhstan.

***P. (Pachybrachis) mongolensis* L. N. Medvedev et Rybakova, 1980**

Lopatin 1964: 366; 1968: 208; 1970: 250; 1975: 199; 1977: 153; Medvedev & Voronova 1976: 226; 1977a: 328; Medvedev & Pustovoit 1977: 206; Medvedev & Rybakova 1980: 46; Medvedev 1979: 162; 1982: 231; Scholler et.al. 2010: 614.

Material examined. Atas-Ula, 28.vi.1973; Mogoijn-Gol, 11.vii.2009, leg. E.V. Guskova & R.V. Yakovlev (EGC); Mogoijn-Gol, 6-8.vii.2010, leg. E.V. Guskova & R.V. Yakovlev (EGC); Khalba-Khairkhan, 3-4.vi.2011, leg. R. Yakovlev (EGC).

Distribution. **Mongolia** (Hovd, Gobi-Altai, Bayankhongor, Uverhang, Mid-Gobi, East Gobi, Suhe Bator, Eastern).

Notes. Endemic of Mongolia.

***P. (Pachybrachis) parvissimus* Lopatin, 1975**

Medvedev 1982: 230; Scholler et.al. 2010: 616.

Distribution. **Mongolia** (Gobi-Altai).

Notes. An endemic of Mongolian Altai, described by Lopatin (1975) from Bidzh village. This species was not found by the author.

***P. (Pachybrachis) pistor* Breit, 1921**

Lopatin 1968: 208; 1975: 199; Medvedev 1982: 230; Scholler et.al. 2010: 616.

Material examined. 10 km SSW Bulgan, 4.vii.1966 (№ 628), leg. Dr. Z. Kaszab (ZSMC).

Distribution. **Mongolia** (Hovd). Kazakhstan, (except for the East), Uzbekistan, Turkmenistan.

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

Medvedev 1982: 230; Scholler et.al. 2010: 616.

Material examined. Arshantyn-Nuruu, 19-20.vi.2005, leg. R. Yakovlev & D. Ryzhkov (EGC); Dod-Naryingol, 26.vi.2005, leg. R. Yakovlev & D. Ryzhkov (EGC); Darkhijn-Shurag-Gol, 4.vii.2007, leg. E.V. Guskova & R.V. Yakovlev (EGC); Uenchin-Gol, 6.vii.2007, leg. E.V. Guskova & R.V. Yakovlev (EGC); Barangijn-Shara-Nuruu, 11.vii.2007, leg. E.V. Guskova & R.V. Yakovlev (EGC); Bulgan (upper), 16.vii.2007, leg. E.V. Guskova & R.V. Yakovlev (EGC); Tolbo-Nuur, 1.vii.2010, leg. E.V. Guskova & R.V. Yakovlev (EGC); Dariv, 23.vii.2010, leg. E.V. Guskova & R.V. Yakovlev (EGC); Elkhony-Ekhen-Tal, 7.vi.2011, leg. R. Yakovlev (EGC).

Distribution. **Mongolia** (widespread). Europe, Caucasus, Kazakhstan, Siberia, China, Korea,

Acolastus Gerstaecker, 1855

= *Thebyterotarsus* Weise, 1882

Acolastus (Acolastus) Gerstaecker, 1855

***Acolastus (Acolastus) altaicus* (L. N. Medvedev et Voronova, 1977)**

Medvedev & Voronova 1977a: 329; 1977: 316; Medvedev 1982: 234; Scholler et.al. 2010: 609.

Material examined. Dutijn-Dava, 9.vii.1975, leg. L. Medvedev (LMC); Khatan-Khairkhan, 15.vii.1975, leg. L. Medvedev (LMC).

Distribution. **Mongolia** (Gobi-Altai).

Notes. Endemic of Mongolian Altai.

***Acolastus (Acolastus) atasicus* (L. N. Medvedev et Voronova, 1977)**

Medvedev & Voronova 1977a: 316; Medvedev 1982: 234; Scholler et.al. 2010: 609.

Material examined. Atas-Ula, 28.vi.1973, leg. L. Medvedev (LMC).

Distribution. **Mongolia** (Gobi-Altai).

Notes. Endemic of Mongolian Altai.

***Acolastus (Acolastus) gobicus* (L. N. Medvedev et Voronova, 1977)**

Medvedev & Voronova 1977a: 329; 1977c: 313; 1979: 108; Medvedev 1982: 233; Scholler et.al. 2010: 610.

Material examined. Adzh-Bogdo, 15-16.vii.1975, leg. N. Voronova (LMC); 25 km SE Bulgan, 11.vi.2011, leg. R. Yakovlev (EGC).

Distribution. **Mongolia** (Hovd (new record), Gobi-Altai, Bayankhongor, Uverhang, South Gobi).

Notes. Endemic of Mongolia.

***Acolastus (Acolastus) mongolicus* (Lopatin, 1971)**

Medvedev & Voronova 1977c: 316; Medvedev 1982: 233; Scholler et.al. 2010: 610.

Material examined. Khatavchijn-Bulak, 19.vii.1975, leg. L. Medvedev (LMC); Dzalen-Sudzhijn-Bulak, 3.vi.2011, leg. R. Yakovlev (EGC); Khalba-Khairkhan, 3-4.vi.2011, leg. R. Yakovlev (EGC).

Distribution. **Mongolia** (Gobi-Altai, Bayankhongor, South Gobi).

Notes. Endemic of Mongolia.

***Acolastus (Acolastus) kaszabi* (Lopatin, 1968)**

Lopatin 1968: 208; 1977: 170; Medvedev & Voronova 1977c: 314; Medvedev 1982: 234; Scholler et.al. 2010:

610.

Material examined. Hovd Ulyastain-Gol river 45 km NNO Bulgan 1400, 6.vii.1966 (№ 637), leg. Dr. Z. Kaszab (ZSMC); 45 km S Manchan, 2100, 9.vii.1966 (№ 657), leg. Dr. Z. Kaszab (ZSMC).

Distribution. Mongolia (Hovd).

Notes. Endemic of Mongolian Altai.

***Acolastus (Acolastus) lopatini* (L. N. Medvedev et Voronova, 1977)**

Medvedev & Voronova 1977a: 329; 1977c: 315; 1979: 108; Medvedev 1982: 234; Scholler et.al. 2010: 610.

Material examined. Adzh-Bogdo, 15-16.vii.1975, leg. L. Medvedev (LMC); Adzh-Bogdo, 18.vii.1975, leg. L. Medvedev (LMC); Tsargin, 19-22.vii.1975, leg. L. Medvedev (LMC); Narijn-Nuru, 22-23.vii.1975, leg. L. Medvedev (LMC); Altan-Soembo, 5.vii.2010, leg. E.V. Guskova & R.V. Yakovlev (EGC); Mogoijn-Gol, 6-8.vii.2010, leg. E.V. Guskova & R.V. Yakovlev (EGC).

Distribution. SW Mongolia.

Notes. Endemic of Mongolian Altai.

***Acolastus (Acolastus) medvedevi* (Lopatin, 1977)**

Lopatin 1977: 153; Medvedev & Voronova 1977a: 329; 1977c: 315; Medvedev 1982: 234; Scholler et.al. 2010:

610.

Material examined. Adzh-Bogdo, 15-16.vii.1975, leg. L. Medvedev (LMC); Khatavchijn-Bulak, 19.vii.1975, leg. L. Medvedev (LMC); Elkhony-Ekhen-Tal, 7.vi.2011, leg. R. Yakovlev (EGC).

Distribution. SW Mongolia.

Notes. Endemic of Mongolian Altai.

Stylosomus Suffrian, 1848

Stylosomus (Microsomus) Burlini, 1957

***S. (Microsomus) major* Breit, 1918**

Lopatin 1968: 208; 1975: 196; Medvedev 1982: 235; Scholler et.al. 2010: 610.

Material examined. 10 km SSW Bulgan, 4-5.vii.1966 (№ 628), leg. Dr. Z. Kaszab (ZSMC).

Distribution. Mongolia (Hovd, East Gobi). Kazakhstan, Tajikistan, Turkmenistan.

Stylosomus (Stylosomus) Suffrian, 1848

***S. tamaricis* (Herrich-Schaffer, 1836)**

Lopatin 1968: 208; 1970: 250; 1975: 196; Medvedev & Voronova 1977a: 329; 1979: 108; Medvedev 1982: 235; Scholler et.al. 2010: 617.

Material examined. Khatan-Khairkhan, 15.vii.1975, leg. L. Medvedev (LMC); 25 km SE Bulgan, 28.vii.1975, leg. L. Medvedev (LMC); Uenchin-Gol, 28.vii.1975, leg. L. Medvedev (LMC).

Distribution. Mongolia (Hovd, Gobi-Altai, Bayankhongor). Europe, Kazakhstan, Russia (S European part, Israel, Syria, Yemen, N Africa (Algeria, Libya, Morocco)).

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REFERENCES

- Cherepanov, A.I. (1965). Insecta of Tuvian Province. *Trudy Biologicheskogo instituta Akademii nauk (Zapadno-Sibirskij filial)*, 1, 35–77. (in Russian).
- Guskova, E. (2006). New data on leaf-beetles (Coleoptera, Chrysomelidae) from the Mongolia Altai. *Euroasian Entomological Journal*, 5(4), 303–306. (in Russian).
- Guskova, E. (2016). A review of the Leaf-beetles (Coleoptera: Chrysomelidae) of subfamilies Alticinae and Cassidinae of the Mongolian Altai. *Biological Bulletin of Bogdan Chmelnytskyj Melitopol State Pedagogical University*, 6(1), 193–215.
- Kaszab, Z. (1977). Faunistische Angaben über Coleopteren und Strepsipteren aus der Mongolei. *Folia Entomologica Hungarica*, 30(1), 51–68.
- Lopatin, I.K. (1964). Chrysomelidae, partim (Coleoptera). Ergebnisse der zoologischen Forschungen von Dr. Z. Kaszab in der Mongolei (Coleoptera). *Folia Entomologica Hungarica*, 17(24), 365–373.
- Lopatin, I.K. (1966). Chrysomelidae II. Ergebnisse der zoologischen Forschungen von Dr. Z. Kaszab in der Mongolei (Coleoptera). *Reichenbachia*, 7(25), 229–239.
- Lopatin, I.K. (1967). Chrysomelidae der III. Expedition. Ergebnisse der zoologischen Forschungen von Dr. Z. Kaszab in der Mongolei (Coleoptera). *Reichenbachia*, 9(18), 157–169.
- Lopatin, I.K. (1968). Chrysomelidae der IV. Expedition. Ergebnisse der zoologischen Forschungen von Dr. Z. Kaszab in der Mongolei (Coleoptera). *Reichenbachia*, 11(19), 207–220.
- Lopatin, I. K. (1970). Chrysomelidae der V. Expedition. Ergebnisse der zoologischen Forschungen von Dr. Z. Kaszab in der Mongolei (Coleoptera). *Reichenbachia*, 12(25), 249–258.

- Lopatin, I.K. (1971). Chrysomelidae VI. Ergebnisse der zoologischen Forschungen von Dr. Z. Kaszab in der Mongolei (Coleoptera). *Faunistische Abhandlungen des Staatlichen Museums für Tierkunde, Dresden*, 3(18), 219–233.
- Lopatin, I.K. (1975). The Leaf-beetles Coleoptera, Chrysomelidae of the Mongolian People's Republic. *Insects of Mongolia*, 3, 191–233 (in Russian.)
- Lopatin, I.K. (1977). *Leaf Beetles (Chrysomelidae) of Central Asia and Kazakhstan*. Leningrad: Nauka (in Russian)
- Lopatin, I.K., Aleksandrovich, O.R. & Konstantinov, A.S. (2004). *Check list leaf-beetle Chrysomelidae (Coleoptera) of the Eastern Europe and Northen Asia*. Olsztyn, 1-343.
- Lopatin, I., Smetana, A. & Schöller, M. (2010). Genus *Cryptocephalus* Geoffroy, 1762 (pp. 580–606). In: Löbl, I., & Smetana, A. (Eds). Catalogue of Palaearctic Coleoptera, 6. Stenstrup, Apollo Books.
- Medvedev, L.N. (1961). Review of Palearctic species of the genus *Clytra*. *Entom. Review*, 40(3), 636-651 (in Russian).
- Medvedev, L.N. (1978). *Materials to study leaf beetle (Coleoptera, Chrysomelidae) fauna of Mongolia*. In: Geography and dynamics of the plant and animal world of Mongolia. Moscow: Nauka (in Russian).
- Medvedev, L.N. (1979). Further contribution to the knowledge of Chrysomelidae from Mongolia (Coleoptera). *Folia Entomologica Hungarica*, 32(2), 161–167.
- Medvedev, L.N. (1980). New leaf-beetles (Coleoptera, Chrysomelidae) from Mongolia. *Entomologicheskoe obozrenie*, 59(2), 311–321. (In Russian.)
- Medvedev, L.N. (1982). *Chrysomelidae of MPR: Key*. Moscow: Nauka (in Russian).
- Medvedev, L.N. & Dubeshko, L.N. (1974). The stational distribution of Chrysomelidae (Coleoptera) of mountain forest steppes of East Khangai. *Insects of Mongolia*, 2, 183–202 (in Russian).
- Medvedev, L.N. & Voronova, N.V. (1976). On the fauna leaf beetles (Coleoptera, Chrysomelidae) Mongolian. 1. *Insects of Mongolia*, 4, 222–236 (in Russian).
- Medvedev, L.N. & Voronova, N.V. (1977a). On the fauna of leaf-beetles (Coleoptera, Chrysomelidae) of Mongolia. 2. *Insects of Mongolia*, 5, 319–372 (in Russian).
- Medvedev, L.N. & Voronova, N.V. (1977b). *The stational distribution of Leaf beetles of dry steppe zone of Central Mongolia*. Flora and Fauna MPR (Mongolia). Leningrad (in Russian).
- Medvedev, L.N. & Voronova, N.V. (1977c). *Review of the genus Thelyterotarsus Wse (Coleoptera, Chrysomelidae) from Mongolia*. In: *Insects of Mongolia*. Leningrad: Nauka (in Russian).
- Medvedev, L.N. & Voronova, N.V. (1979). On the fauna of leaf-beetles (Coleoptera, Chrysomelidae) of Mongolia. 3. *Insects of Mongolia*, 6, 97–135 (in Russian).
- Medvedev, L.N. & Korotyaev, B.A. (1975). Leaf beetles fauna of Tuva and North-West Mongolia (Coleoptera, Chrysomelidae), 1. *Insects of Mongolia*, 3, 177–191 (in Russian).
- Medvedev, L.N. & Korotyaev, B.A. (1976). On the fauna of Chrysomelid-beetles (Coleoptera, Chrysomelidae) of the Tuvian autonomous republic and of the north-western Mongolia, 2. *Insects of Mongolia*, 4, 237–241 (in Russian).
- Medvedev, L.N. & Pustovoit, T.W. (1977). *The station distribution of Chrysomelidae (Coleoptera) of desert-steppe of Central Mongolia*. Flora and Fauna MNR (Mongolia). Leningrad.
- Medvedev, L.N. & Rybakova, N. (1980). New Species and Subspecies of *Pachybrachys* Redt. from Mongolia and China (Coleoptera, Chrysomelidae). *Reichenbachia*, 18(4), 43–48.
- Medvedev, L.N. & Zaitzev, Yu.M. (1977a). A revision of the larvae of the genus *Crosita*. *Zoologicheskii Journal*, 56(1), 52–59 (in Russian).
- Medvedev, L.N. & Zaitzev, Yu. M. (1977b). *Some Chrysomelid-beetle larvae (Coleoptera, Chrysomelidae) from Mongolia*. *Insects of Mongolia*. Nauka: Leningrad (in Russian).
- Medvedev, L.N. & Zaitzev, Yu.M. (1978). *Larvae of Leaf beetles (Coleoptera, Chrysomelidae) from Siberia and Far East*. Moscow: Nauka (in Russian).
- Mikhailov, Yu., & Guskova, E. (2013a). New species of *Chrysolina* Motschulsky, 1860 (Coleoptera: Chrysomelidae) – the first representative of the subgenus *Pleurosticha* from Mongolian Altai. *Caucasian entomological bulletin*, 9(1), 125–129 (in Russian).
- Mikhailov, Yu., & Guskova, E. (2013b). Review of the genus *Cystocnemis* (Coleoptera: Chrysomelidae: Chrysomelinae) with descriptions of two new species. *Zootaxa*, 3736(5), 536–548.
- Mohr, K.–H. (1966). Beiträge zur Chrysomelidenfauna der Mongolei. *Faunistische Abhandlungen des Staatlichen Museums für Tierkunde, Dresden*, 1, 367–369.
- Ogloblin, D.A. (1956). New Palaearctic species of the genus *Cryptocephalus* Latr. (Coleoptera, Chrysomelidae). *Entomologicheskoe Obozrenie*, 35, 890-894 (in Russian).
- Regalin, R. & Medvedev, L.N. (2010). *Tribe Clytrine Kirby, 1837* (pp. 564–580). In: Löbl I., & A. Smetana (Eds). Catalogue of Palaearctic Coleoptera, 6. Stenstrup, Apollo Books.
- Schöller, M., Löbl, I. & Lopatin, I. (2010). *Tribe Cryptocephalini Gyllenhal, 1813* (pp. 606–617). In: Löbl I., & A. Smetana (Eds). Catalogue of Palaearctic Coleoptera, 6. Stenstrup, Apollo Books.
- Weise, J. (1887). Coccinelliden aus Deutsche-Ostafrika. *Archiv für Naturgeschichte*, 65(1), 49-70.
- Weise, J. (1898). Über neue und bekannte Chrysomeliden. *Archiv für Naturgeschichte*, 64(1), 177-194.