New records of true bugs (Heteroptera) from Tuva
Новые находки полужесткокрылых (Heteroptera) из Тувы

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Eleven species of Heteroptera, new for the Tuvinian fauna, are listed and annotated. Holcocranum diminutum Horváth, 1898 recorded for Russia for the first time. The genus and the subfamily Artheneinae enclosing this species, and also Microplax interrupta (Fieber, 1837), the species and the genus, are noted as new records for the Asian part of Russia.

В аннотированном списке перечислены одиннадцать новых для Тувы видов полужесткокрылых. Holcocranum diminutum Horváth, 1898 отмечается впервые для фауны России. Род и подсемейство Artheneinae, включающие этот вид, а также Microplax interrupta (Fieber, 1837), вид и род, впервые указываются для азиатской части России.

Key words: Siberia, Tuva, fauna, new records, Saldidae, Miridae, Reduviidae, Lygaeidae, Pentatomidae

INTRODUCTION

A study of the heteropteran fauna of Tuva was started by A.I. Cherepanov and A.N. Kiritchenko (1962) and continued by I.M. Kerzhner (1972). Their data was subsequently supplemented (Vinokurov, 2007; Vinokurov & Golub, 2007; Kanyukova & Vinokurov, 2010) and summarized in the Catalogue of the Heteroptera of the Asian part of Russia (Vinokurov et al., 2010). The most recent data on the fauna of the region was published by S.V. Kuzhuget and N.N. Vinokurov (2011, 2012). Totally 328 species of the terrestrial true bugs from 166 genera and 21 families are known from this territory to date owing to the efforts of the listed authors. We are giving additional eleven species from eight families for the fauna of the region in the following annotated list. One of these species is recorded for the first time from Russia, another one from its Asian part.

The studied material is preserved in the Zoological Institute, Russian Academy of Sciences, St. Petersburg (ZIN) and in the Tuvinian Institute for Exploration of Natural Resources of Siberian Branch of the Russian Academy of Sciences (Kyzyl).

LIST OF RECORDS

Family SALDIDAE

Chiloxanthus stellatus stellatus
(Jakovlev, 1889)

Material. Western Tuva: Mongun-Taiga Distr., Left bank of Mugur Riv., about 2630 m AMSL, wet ground depression, 18 Sept. 1994 (V.V. Zaika), 1 male, 2 females (ZIN).

Family **MIRIDAE**

*Capsus cinctus* (Koletani, 1845)

*Material. Central Tuva: Kyzyl Dist., Fifteen km from Kyzyl, Kaa-Khem Riv., 51°43′ N 94°42′ E, 800–1200 m AMSL, 16–18 June 1996 (Yu.M. Marusik), 1 female (ZIN); Eastern Tuva: Tse-Khem Dist., N shore of Nogaa-Khol Lake, grass-sedge meadow, 30 June 2011 (S.V. Kuzhuget), 1 male (Kyzyl).*

*Distribution. Holarctic species: East Europe, Transcaucasia, Turkey, Kazakhstan, Central and East Asia, Russian Far East and North America.*

*Mecomma ambulans ambulans* (Fallén, 1807)


*Europiella artemisiae* (Becker, 1864)

*Material. Central Tuva: Tandy Dist., 10 km from M-54 highway towards Khadyne Lake, sagebrush steppe, 21 June 2011 (S.V. Kuzhuget), 28 males, 9 females (Kyzyl).*

*Distribution. Holarctic species: Europe, Transcaucasia, Siberia, Kazakhstan, Central and East Asia, Russian Far East and North America.*

Family **REDUVIIDAE**

*Empicoris vagabundus* (Linnaeus, 1758)

*Material. South Tuva: Erzin Dist., Tere Khol' Lake, Sharlaa, 50°24′.01.47″ N 95°03′.45″ E, 1050 m AMSL, 6–14 July 1996 (Yu.M. Marusik), 1 female (ZIN).*


Family **BERYTIDAE**

*Berytinus clavipes* (Fabricius, 1775)


*Distribution. Trans-Euroasian species: Europe, Transcaucasia, Turkey, Siberia, Kazakhstan, Central and East Asia, Russian Far East and North America.*

Family **LYGAEIDAE**

*Microplax interrupta* (Fieber, 1837)

*Material. Central Tuva: Tandy Dist., 10 km from M-54 highway towards Khadyne Lake, sagebrush steppe, 21 June 2011 (S.V. Kuzhuget), 1 female (ZIN); South Tuva: Tes-Khem Dist., floodplain of Tes-Khem Riv., bridge near Ak-Erik Settlm., sedge-grass meadow, 25 June 2012 (S.V. Kuzhuget), 1 male (Kyzyl).*

*Distribution. Transpalaearctic species: North Africa, Europe, Transcaucasia, Kazakhstan, West, Central and East Asia, India. First record of species and genus for Asian part of Russia.*

*Holocroanum diminutum diminutum* Horváth, 1898

*Material. South Tuva: Ovurskiy Dist., 20 km SE of Torgalyg, 4 Aug. 1979 (B.A. Korotyaev), 2 males, 4 females (ZIN).*

*Distribution. Sudan, Egypt, Turkmenistan, Kazakhstan, Tadzhikistan, Uzbekistan and Mongolia. First record of species, genus and subfamily Artheneinae for Russia.*

Family **PIESMATIDAE**

*Parpiesma quadratum* (Fieber, 1844)

*Material. South Tuva: Erzin Dist., Tere Khol' Lake, Sharlaa, 50°24′.01.47″ N 95°03′.45″ E, 1050 m AMSL, 6–14 July 1996 (Yu.M. Marusik), 3 males, 9 females (Kyzyl).*

*Distribution. Trans-Palaearctic species: North Africa, Europe, Transcaucasia, Turkey, Siberia, Kazakhstan, Central and East Asia, Russian Far East.*

Family **RHOPALIDAE**

*Stictopleurus abutilon* (Rossi, 1790)

*Material. Central Tuva: Erzin Dist., Shar-Nur Lake, saline, 24 June 2012 (S.V. Kuzhuget), 3 males, 9 females (Kyzyl).*

*Distribution. Trans-Palaearctic species: North Africa, Europe, Transcaucasia, Turkey, Siberia, Kazakhstan, Central and East Asia, Russian Far East.*
and Western Tannu-Ola Ranges, low-grass alpine meadows with predominance of Kobresia, Poa sibirica and Carex, 2222 m AMSL, 30 June 2011 (S.Kh. Saryglar), 1 male (Kyzyl).

**Distribution.** Trans-Palaearctic species: North Africa, Europe, Transcaucasia, Turkey, Siberia, Kazakhstan, West, Central and East Asia.

Family **PENTATOMIDAE**

**Tarisa salsae** Kerzhner, 1964

**Material.** South Tuva: Erzin Distr., S shore of Shara-Nur Lake, floodplain wet meadow, saline, 24 June 2012 (S.V. Kuzhuget), 1 male (Kyzyl).

**Distribution.** Eurasian steppe species: south of European part of Russia, West Siberia, Kazakhstan, Kirgizia and Mongolia.

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**REFERENCES**


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