

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 Tuvian 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, Piesmatidae, Berytidae, Rhopalidae, Pentatomidae

Ключевые слова: Сибирь, Тува, фауна, новые находки, прибрежники, слепняки, хищницы, наземники, пиезмы, палочковиды коленчатоусые, булавники, щитники

INTRODUCTION

A study of the heteropteran fauna of Tuva was started by A.I. Cherepanov and A.N. Kiritshenko (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 Tuvian 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 Mugar Riv., about 2630 m AMSL, wet ground depression, 18 Sept. 1994 (V.V. Zaika), 1 male, 2 females (ZIN).

Distribution. Circum-Arctic and boreal species: Northern Europe, West and East Siberia, Russian Far East, Alaska and Canada.

Family **MIRIDAE*****Capsus cinctus*** (Koletani, 1845)

Material. Central Tuva: *Kyzyl Distr.*, 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:** *Todzha Distr.*, N shore of Nogaan-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)

Material. Southeast Tuva: *Ersin Distr.*, Sangelen Mt. Range, Dzhen-Aryk, middle flow, 50°24.31'N 95°26.28'E, 1450 m AMSL, 14–16 July 1996 (Yu.M. Marusik), 1 female (ZIN).

Distribution. Transpalaeartic species: North Africa, Europe, Siberia, East Asia and Russian Far East.

Europiella artemisiae (Becker, 1864)

Material. Central Tuva: *Tandy Distr.*, 10 km from M-54 highway towards Khadyn 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 Distr.*, 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).

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

Family **BERYTIDAE*****Berythinus clavipes*** (Fabricius, 1775)

Material. Central Tuva: *Pii-Khem Distr.*, Uyukskiy Range, Veseliy Pass, 4 km NW of Serlig Settlm., 28 July 1979 (B.A. Korotyayev), 1 female (ZIN).

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

Distribution. Transpalaeartic species: North Africa, Europe (except Northern part), Transcaucasia, Kazakhstan, West, Central and East Asia, India. First record of species and genus for Asian part of Russia.

Holcocranum diminutum diminutum

Horváth, 1898

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

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

Family **PIESMATIDAE*****Parapiesma quadratum*** (Fieber, 1844)

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

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

Family **RHOPALIDAE*****Stictopleurus abutilon*** (Rossi, 1790)

Material. Western Tuva: *Mongun-Taiga Distr.*, Arzayty Pass between Tsagan-Shibetu

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-Palaeartic 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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