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S. V. Kuzhuget

Russian Academy of Sciences, sedenmaa@mail.ru

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Materials on Heteroptera of Uvs-nuur depression (Russia, Tuva)

S.V. Kuzhuget

Abstract

In this article were reported new data about spreading of 43 species of heteropterans of 10 families of the Tuvian Uvs-nuur depression.

Key words: Heteroptera, Tuva, Uvs-nuur.

Introduction

The most complete information about fauna of Heteroptera of the Tuvian Uvs-nuur depression are to found in the article of CHEREPANOV & KIRITSHENKO (1962). KERZHNER (1972) supplies these data with new information about spreading of Heteroptera of the given territory. For the last time from the Tuvian territory, three new species were found for fauna of Tuva, one new species for Siberia and one new species for fauna of Russia (GAPON & KUZHUGET 2012). Now we submit new data about 43 species of Heteroptera from such families as Nabidae, Miridae, Tingidae, Reduviidae, Lygaeidae, Coreidae, Alydidae, Rhopalidae, Scutelleridae, Pentatomidae for this territory.

Material and methods

Investigation material were the collections of the author (2009-2012 years) and materials presented by the colleagues of the laboratory of biodiversity and geocology of the Tuvian Institute for Exploration of Natural Resources of Siberian Branch of the Russian Academy of Sciences (Kyzyl) and by B.A. Korotyayev (Zoological Institute of the Russian Academy of Sciences, St. Petersburg). The basic part of Heteroptera were collected by means of mowing glass layer by standard entomological net of different biotopes of the Tuvian depression (KIRICHENKO 1957, PHACULATI 1971).

These materials are kept in the entomological collection in the museums of the Tuvian Institute for Exploration of Natural Resources of Siberian Branch of the Russian Academy of Sciences (Kyzyl) and the Zoological Institute Russian Academy of Sciences (Saint Petersburg).

Results

Family **NABIDAE**

Nabis flavomarginatus Scholtz, 1847

Russia: Tuva: 27 km north from village Sagly, herb meadow, 26.07.2008 (1♂, 4♀♀, Pavlov).

Family **MIRIDAE**

Deraeocoris punctulatus (Fallen, 1807)

Russia: Tuva: Eastern range of the Tannu-ool mountains, southern macroslope, grass-and-bean variety, 26. 06.2012 (6♂♂, 5♀♀, Kuzhuget); western range of the Tannu-ool, mountain Khorumnug-Taiga, grass-sedge-bean association with *Astra alpinus* L., *Geranium* sp., *Achillea* sp., *Astragalus* sp., N 50°49'45,9" E 92°40'23,0", 1900 AMSL, 27.06.2012 (2♀♀, Kuzhuget).

Deraeocoris olivaceus (Fabricius, 1777)

Russia: Tuva: floodplain of the river Ulaatai, grass-sedge-bean variety, 27.06.2012 (1♂, 4♀♀, Kuzhuget).

Polymerus unifasciatus (Fabricius, 1794)

Russia: Tuva: 934 km south to Kyzyl-Erzin, the foothill plain, steppe, 05.07.2010 (2♂♂, 9♀♀, Kuzhuget).

Agnocoris rubicundus (Fallen, 1807)

Russia: Tuva: the foothill train of the southern slope of eastern range of the Tannu-ool (northern part of the Uvs-nuur depression), wormwood-*Potentilla* steppe, 07.07.2010 (12♂♂, 13♀♀, Kuzhuget).

Adelphocoris lineolatus (Goeze, 1778)

Russia: Tuva: left bank of the river Ulaatai, 10.08.2006 (1♀, Pavlov).



Fig. 1: *Adelphocoris lineolatus* (Goeze, 1778); photo: V.V. PAVLOV.

Labops burmeisteri Stål, 1858

Russia: Tuva: Western range of the Tannu-ool, the pass Khondergei, tundra, collected from *Betula nana* L., N 50°49'44" E 91°51'26,9", 1880 AMSL, 28.06.2012 (19♂♂, 16♀♀, Kuzhuget).

Family TINGIDAE

Dictyla platyoma (Fieber, 1861)

Russia: Tuva: floodplain of the river Tes-Khem, grass-steppe, 25.06.2012 (3♂♂, 10♀♀, Kuzhuget); western range of the Tannu-ool, mountain Khorumnug-Taiga, grass-sedge-variety, 27.06.2012 (1♀, Kuzhuget).

Agramma femorale Thomson, 1871

Russia: Tuva: floodplain of fresh-water basin, 1 km south to lake Shara-Nur, 24.06.2012 (5♀♀, Kuzhuget); southern lakeside of lake Shara-Nur, marshy meadow, 24.06.2012 (3♀♀, Kuzhuget).

Family REDUVIDAE

Coranus hammarstroemi Reuter, 1891

Russia: Tuva: floodplain of lake Tore-Khol, isthmus, *Calamagrostis* sp., 05.07.2004 (1♀, Pavlov).

Family LYGAEIDAE

Lygaeosoma sibiricum Seidenstucker, 1962

Russia: Tuva: middle stream of the river Naryn, wormwood-grass-varied steppe, 13.08.2011 (1♂, Kuzhuget).

Cymus glandicolor Hahn, 1832

Russia: Tuva: southern lakeside of lake Shara-Nur, cane-and-sedge association, 24.06.2012 (1♀, Saryglar).

Geocoris arenarius (Jakovlev, 1867)

Russia: Tuva: southern lakeside of lake Shara-Nur, humid meadow, 24.06.2012 (1♂, Kuzhuget); western range of the Tannu-ool, mountain Khorumnug-Taiga, grass-sedge-bean association with *Astra alpinus* L., *Geranium* sp., *Achillea* sp., *Astragalus* sp., N 50°49'45,9" E 92°40'23,0", 1900 AMSL, 27.06.2012 (1♀, Kuzhuget).

Heterogaster distincta Jakovlev, 1881

Russia: Tuva: floodplain of the river Irbitei, sublitoral, ruderal vegetation, 26.06.2012 (3♂♂, Kuzhuget).

Peritrechus convivus (Stål, 1858)

Russia: Tuva: floodplain of the river Terektig-Khem, herb-grass meadow, 25.06.2012 (1♀, Kuzhuget).

Sphragisticus nebulosus (Fallen, 1807)

Russia: Tuva: floodplain of the river Terektig-Khem River, herb-grass meadow, 25.06.2012 (1♀, Kuzhuget).

Emblethis denticollis Horvath, 1878

Russia: Tuva: floodplain of the Terektig-Khem, herb-grass meadow, 25.06.2012 (1♂, Kuzhuget).

Emblethis brachynotus Horvath, 1897

Russia: Tuva: floodplain of the river Tes-Khem, grass steppe 25.06.2012 (6♂♂, 3♀♀, Kuzhuget).

Family COREIDAE

Enoplops sibiricus Jakovlev, 1889

Russia: Tuva: surroundings of village Sagly, 15.07.1999 (1♀, Zaika); river Irbitei, 29.04.2005 (1♂, 1♀, Pavlov); surroundings of village Torgalyg, 03.07.2005 (1♀, Pavlov).

Coriomerus scabricornis scabricornis (Panzer, 1805)

Russia: Tuva: Eastern range of the Tannu-ool, 934 km of M-54 route (Kyzyl-Erzin), mountainous meadow, 16.08.2006 (1♀, Kuzhuget); the same place, 05.07.2010 (2♂♂, 1♀, Kuzhuget).

Family ALYDIDAE

Alydus calcaratus (Linnaeus, 1758)

Russia: Tuva: floodplain of the river Tes-Khem, collected from *Salix viminalis* L., 13.08.2011 (5♂♂, 5♀♀, Kuzhuget); surrounding of the village Erzin, 11.08.2011 (7♀♀, Kuzhuget).

Family RHOPALIDAE

Corizus hyoscyami hyoscyami (Linnaeus, 1758)

Russia: Tuva: wetland floodplain meadow of the river Khandagaity, grass-herb variety, 28.06.2012 (2♂♂, Kuzhuget).

Corizus tetraspilus Horvath, 1917

Russia: Tuva: floodplain of the river Shiveelig-Khem, from stones, 07.07.2010 (1♂, Pavlov).

Stictopleurus punctatonervosus (Goeze, 1778)

Russia: Tuva: the pass Khondergei, 26.07.2008 (1♀, Pavlov); floodplain of the river Ulaatai, sedge-bean-grass variety, 27.06.2012 (1♂, Kuzhuget); wetland floodplain meadow near the river Khandagaity, grass variety, 28.06.2012 (1♂, Kuzhuget).

Stictopleurus viridicatus (Uhler, 1872)

Russia: Tuva: Range Agar-Dag, grass steppe, 25.06.2012 (1♂, Saryglar).

Myrmus miriformis miriformis (Fallen, 1807)

Russia: Tuva: floodplain of the river Dytyg-Khem, 967 km of M-54 route (Kyzyl-Erzin), floodplain willow forest with *Caragana* sp. and *Ribes uva-crispa* L., lower layer: herb-grass-sedge variety 01.08.2010 (5♂♂, Kuzhuget).

Myrmus glabellus Horvath, 1901

Russia: Tuva: Western range of the Tannu-ool, mountain Khorumnug-Taiga, herb-sedge variety, N 50°55'21,1" E 92°19'24,9", 27.06.2012 (1♀, Kuzhuget).

Chorosoma macilentum Stål, 1858

Russia: Tuva: northern lakeside of the lake Uvs-Nur, 24.07.2009 (1♂, Pavlov); eastern lakeside of lake Tore-Khol, 27.07.2009 (1♀, Kuzhuget); the same place, 28.07.2009 (2♀♀, Kuzhuget).

Family SCUTELLERIDAE

Odontoscielis hispidula Jakovlev, 1874

Russia: Tuva: floodplain of the river Tes-Khem, grass steppe, 25.06.2012 (2♀♀, Kuzhuget).

Phimodera sibirica Kerzhner, 1976

Russia: Tuva: Western range of the Tannu-ool, mountain Khorumnug-Taiga, herb-sedge-variety, 27.06.2012 (1♀, Kuzhuget); floodplain of the river Tes-Khem, herb-grass-variety, 25.06.2012 (2♂♂, Kuzhuget).

Eurygaster testudinaria (Geoffroy, 1785)

Russia: Tuva: floodplain of the river Shiveelig-Khem, 14.07.2006 (1♀, Pavlov).

Family PENTATOMIDAE

Aelia klugii Hahn, 1833

Russia: Tuva: northern lakeside of lake Shara-Nur, 18.07.2006 (1♂, Pavlov).

Aelia sibirica Reuter, 1884

Russia: Tuva: southern lakeside of lake Shara-Nur, tall grass steppe, 24.06.2012 (1♂, Kuzhuget).

Dolycoris baccarum (Linnaeus, 1758)

Russia: Tuva: Eastern range of the Tannu-ool, 934 km of M-54 route (Kyzyl-Erzin), mountainous meadow, 05.07.2010 (10♂♂, 5♀♀, Kuzhuget).

Carpocoris fuscispinus (Bohemann, 1851)

Russia: Tuva: floodplain of the river Shiveelig-Khem, from stones, 07.07.2010 (1♀, Pavlov).

Carpocoris purpureipennis (De Geer, 1773)

Russia: Tuva: Eastern range of the Tannu-ool, 934 km of M-54 route (Kyzyl-Erzin), mountainous meadow, 05.07.2010 (2♀♀, Kuzhuget).

Palomena viridissima (Poda, 1761)

Russia: Tuva: 400 m from the river Kydyy-Khalyyn, marshy meadow, 22.07.1999 (1♂, 1♀, Zaika).

Sciocoris distinctus Fieber, 1851

Russia: Tuva: floodplain of lake Tore-Khol, isthmus, *Calamagrostis* sp., 05.07.2004 (3♂♂, Pavlov).

Eurydema gebleri Koletani, 1846

Russia: Tuva: Ovyur district, 20 km south-east of village Torgalyg, 04.08.1979 (2♂♂, 3♀♀, Korotyayev); floodplain of lake Tore-Khol, 11.07.1996 (19♂♂, 3♀♀, Zaika); left bank of the river Ulaatai, 10.08.2006 (1♀, Pavlov); floodplain of river Tes-Khem, collected from *Salix viminalis* L., 25.06.2012 (2♂♂, Kuzhuget); floodplain of river Khyraalyg-Khem, horsetail-and-catnip association, 25.06.2012 (2♂♂, Kuzhuget); western range of Tannu-ool, mountain Khorumnug-Taiga, N 50°55'21,1" E 92°19'24,9", 2645 m AMSL, herb-sedge-variety, 27.06.2012 (2♂♂, 1♀, Kuzhuget).

Pentatoma rufipes (Linnaeus, 1758)

Russia: Tuva: floodplain of the river Shiveelig-Khem, poplar forest, 25.07.1990 (1♀, Zaika); southern lakeside of lake Tore-Khol, isthmus, collected from *Calamagrostis* sp., 11.07.1999 (1♂, Zaika); surroundings of village Sagly, steppe, 18.07.1998 (1♂, Zaika).

Picromerus bidens (Linnaeus, 1758)

Russia: Tuva: surroundings of village Sagly, steppe, 23.08.1998 (1♀, Zaika).

Zicrona caerulea (Linnaeus, 1758)

Russia: Tuva: 3 km south from village Erzin, desert steppe, 30.06.2001 (2♂♂, 4♀♀, Pavlov).

Phaeocoris ellipticus (Herrich-Schaffer, 1840)

Russia: Tuva: southern lakeside of lake Uvs-nuur, 10.08.1999 (1♀, Zaika).

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Address: S.V. Kuzhuget
Tuviniyan Institute for Exploration of Natural Resources
Siberian Branch of the Russian Academy of Sciences
Internatsionalnaya Street 117a
Kyzyl
Republic of Tuva, 667007, Russia
e-mail: sedenmaa@mail.ru