

New records of the true bugs (Heteroptera: Cimicomorpha, Pentatomomorpha) for the Northeast of European Russia

Новые находки полужесткокрылых инфраотрядов Cimicomorpha и Pentatomomorpha (Heteroptera) на европейском Северо-Востоке России

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Twenty seven species of the true bugs from the families Anthocoridae, Reduviidae, Miridae (Cimicomorpha), Coreidae, Thyreocoridae, Acanthosomatidae, and Pentatomidae (Pentatomomorpha) are recorded from the Northeast of European Russia for the first time. The family Thyreocoridae is for the first time reported from the region.

В аннотированном списке приводится 27 новых для европейского Северо-Востока России видов полужесткокрылых из семейств Anthocoridae, Reduviidae, Miridae инфраотряда Cimicomorpha и семейств Coreidae, Thyreocoridae, Acanthosomatidae, Pentatomidae инфраотряда Pentatomomorpha. Семейство Thyreocoridae найдено в регионе впервые.

Key words: Northeast of European Russia, true bugs, fauna, Anthocoridae, Reduviidae, Miridae, Coreidae, Thyreocoridae, Acanthosomatidae, Pentatomidae, new records

Ключевые слова: европейский Северо-Восток России, клопы, фауна, хищники-крошки, хищницы, слепняки, краевики, тиреокориды, древесные и настоящие щитники, новые находки

INTRODUCTION

The Northeast of European Russia is bordered by the Barents Sea in the north (69°N) and by the Northern Ridge, or Severnyye Uvaly, in the south (59°N); the eastern boundary of the region is the Ural Mountains (64°E) and the western boundary is the Timan Ridge (48°E). The Ural Mountain region is represented in the area of the research by western slopes of the Northern, Sub-Polar, Polar Urals and Pai-Khoi Ridge. Currently the heteropteran fauna of the Northeast of European Russia is studied well enough and represented by 286 species from 164 genera (Zvereva & Ostroumov, 1953; Kiritshenko, 1960; Kerzhner & Se-

dykh, 1970; Sedykh, 1974; Zinovjeva, 2011). Nevertheless, new records are regularly being added due to additional field work and examination of museum specimens. As part of an ongoing assessment of the fauna, this paper documents the occurrence of 27 additional true bug species from the families Anthocoridae, Reduviidae, Miridae, Coreidae, Thyreocoridae, Acanthosomatidae, and Pentatomidae. The study is based on my recent sampling efforts from different regions of the Komi Republic and study of the K.F. Sedykh' collection (Institute of Biology, Ural Branch of the RAS). The distribution of species follows the catalogues of Heteroptera of the Palaearctic Region (Péricart, 1996; Putshkov & Putshkov, 1996; Ker-

zhner & Josifov, 1999; Dolling, 2006; Lis, 2006; Göllner-Scheiding, 2006; Rider, 2006; Aukema et al., 2013) and the Asian part of Russia (Vinokurov et al., 2010).

All specimens examined are retained at the Zoological Institute of the Russian Academy of Sciences, St Petersburg (ZISP) and the Institute of Biology, Komi Scientific Center, Ural Branch of the RAS, Syktyvkar (IB KNC).

LIST OF RECORDS

Infraorder CIMICOMORPHA

Family ANTHOCORIDAE

Tetraphleps aterrima (J. Sahlberg, 1878)

Material. Sub-Polar Ural, Sablya Mt., Voyvzh-Synya River, on *Ribes* sp., 8 July 2006 (A.N. Zinovjeva), 1 female; Syktyvkar, 7 June 2013 (A.N. Zinovjeva), 1 female (IB KNC).

Distribution. Trans-Eurasian species: Germany, Finland, Estonia, European part of Russia, Western and Eastern Siberia, Kazakhstan, Kyrgyzstan, Mongolia, Northern, Northwestern and Northeastern China, Russian Far East, Korea, Japan.

Tetraphleps bicuspis (Herrich-Schaeffer, 1835)

Material. Sub-Polar Ural, Severnye Maldy Ridge, on *Larix sibirica* Ledeb., 11 July 2000 (A.F. Ishkaeva), 2 males (IB KNC).

Distribution. Trans-Eurasian species: Europe, Western and Eastern Siberia, Mongolia, Russian Far East.

Scoloposcelis obscurella (Zetterstedt, 1838)

Material. Cheremuhovka Vill., 20 June 1982 (K.F. Sedykh), 1 female (IB KNC).

Distribution. Trans-Eurasian species: Sweden, Finland, Spain, France, Switzerland, Slovakia, Poland, Ukraine, Belarus, Latvia, Estonia, north of European Russia, Western and Eastern Siberia, Mongolia, Northern, Northwestern and Northeastern China, Russian Far East.

Xylocoris cursitans (Fallén, 1807)

Material. Cheremuhovka Vill., 20 June 1982 (K.F. Sedykh), 2 females (IB KNC).

Distribution. Holarctic species: Europe, Caucasus, Turkey, Iran, Kazakhstan, Kyrgyzstan, Mongolia, Northern, Northwestern China, Western and Eastern Siberia, Russian Far East, Japan, North Africa, North America.

Family REDUVIIDAE

Empicoris culiciformis (De Geer, 1773)

Material. Kazhim Vill., 1 July 2004 (A.N. Zinovjeva), 1 female (IB KNC).

Distribution. Holarctic species: Europe, Caucasus, Kazakhstan, Middle Asia, North Africa, North America.

Pygolampis bidentata (Goeze, 1778)

Material. Koygorodok Settlm., 5 June 1980 (K.F. Sedykh), 1 female (IB KNC).

Distribution. Transpalearctic species: Europe, Caucasus, Turkey, Kazakhstan, Middle Asia, Iran, Afghanistan, Northern and Northeastern China, Western and Eastern Siberia, Russian Far East, Korea, Japan, Taiwan, North Africa.

Coranus aethiops Jakovlev, 1893

Material. Lyali Vill., 11 July 2001 (A.N. Zinovjeva), 1 female; Unya River, 10 Aug. 2006 (A.N. Zinovjeva), 1 female (IB KNC).

Distribution. Trans-Eurasian species: Norway, Sweden, Finland, Estonia, Denmark, France, Germany, Czech Republic, Slovakia, Belarus, north and south (Northern Caucasus) of European part of Russia, Kazakhstan, Kyrgyzstan, Mongolia, Northern, Northwestern and Western China, Western and Eastern Siberia, Russian Far East.

Family MIRIDAE

Dicyphus globulifer (Fallén, 1829)

Material. Kobra River, Turubanovskaya Vill., on *Rubus idaeus*, 18 Aug. 2011 (A.N. Zinovjeva), 1 male (IB KNC).

Distribution. Euro-Siberian species: Europe, Caucasus, Kazakhstan, Western and Eastern Siberia.

***Apolygus limbatus* (Fallén, 1807)**

Material. Vorkuta, 21 July 2005 (A.N. Zinovjeva), 1 female (ZISP); Puteets Vill., grassland, 15 Oct. 2005 (A.N. Zinovjeva), 1 female; Elbaza Vill., 13 Aug. 2005 (A.N. Zinovjeva), 1 male; Kobra River, Turubanovskaya Vill., 18 Aug. 2011 (A.N. Zinovjeva), 1 female (IB KNC).

Distribution. Trans-Eurasian species: Europe (except south of European Russia), Kazakhstan, Western and Eastern Siberia, Russian Far East, Korea.

***Apolygus spinolae* (Meyer-Dür, 1841)**

Material. Krutotyl Vill., 10 Aug. 2005 (A.N. Zinovjeva), 1 male; Trakt railway station, Lunvozhnyur swamp, 6 July 2010 (A.N. Zinovjeva), 1 female; Trakt railway station, 8 July 2010 (A.N. Zinovjeva), 2 females (ZISP, IB KNC).

Distribution. Trans-Eurasian species: Europe, Kazakhstan, Kyrgyzstan, Afghanistan, Northern, Southwestern, Southeastern China, Western and Eastern Siberia, Russian Far East, Korea, Japan.

***Closterotomus biclavatus biclavatus* (Herrich-Schaeffer, 1835)**

Material. Syktyvkar, forest glade, 7 July 1991, 1 female (IB KNC).

Distribution. Euro-Kazakhstanian species: Europe, Kazakhstan.

***Strongylocoris leucocephalus* (Linnaeus, 1758)**

Material. Polar Ural railway station, 20 July 1983 (K.F. Sedykh), 4 males; Polar Ural, Enganepe Ridge, on *Campanula* sp., 30 July 2008 (A.N. Zinovjeva), 3 males; Izhma River, Tom Vill., grassland, 13 July 2009 (A.N. Zinovjeva), 1 male; Objachevo Settlm., 16 July 1978 (K.F. Sedykh), 1 male, 1 female; Koygorodok Settlm., 28 June 1980 (K.F. Sedykh), 1male (ZISP, IB KNC).

Distribution. Transpalaeartic species: Europe, Caucasus, Turkey, Iran, Kazakhstan, Mongolia, Northern China, Western and Eastern Siberia, Russian Far East, Japan, North Africa.

***Strongylocoris steganoides* (J. Sahlberg, 1875)**

Material. Polar Ural railway station, 2 Aug. 1983 (K.F. Sedykh), 1 male, 2 females (IB KNC).

Distribution. European species: Norway, Sweden, Finland, Denmark, Germany, the Netherlands, Belgium, France, Switzerland, Austria, Slovenia, Czech Republic, Slovakia, Poland, Ukraine, Belarus, Estonia, northern and central parts of European Russia.

***Cyrtorhinus caricis* (Fallén, 1807)**

Material. Nizhny Puzla River, on *Carex* sp., 3 Aug. 2011 (A.N. Zinovjeva), 1 male (IB KNC).

Distribution. Holarctic species: Europe (except south part), northern and central parts of European Russia, Azerbaijan, Kazakhstan, Middle Asia, Iran, Northern and Northwestern China, Eastern Siberia, Russian Far East, Korea, Japan, North America.

***Megalocoleus molliculus* (Fallén, 1807)**

Material. Kortkeros Vill., 25 Aug. 1978 (K.F. Sedykh), 2 males (ZISP).

Distribution. Transpalaeartic species: Europe, Caucasus, Turkey, Cyprus, Israel, Iran, Kazakhstan, Middle Asia, Western and Eastern Siberia, Russian Far East, North Africa, North America (introduced).

***Oncotylus punctipes* Reuter, 1875**

Material. Objachevo Settlm., 14 July 1978 (K.F. Sedykh), 4 males, 2 females, 8 July 1983 (K.F. Sedykh), 2 males, 1 female (ZISP, IB KNC).

Distribution. Euro-Siberian species: Northern and Central Europe, European part of Russia, Caucasus, Turkey, Kazakhstan, Uzbekistan, Western and Eastern Siberia.

***Psallus falleni* Reuter, 1883**

Material. Ela-Ty Vill., dry meadow, 2 Aug. 2005 (A.N. Zinovjeva), 1 male; Nyur-Shor creek, on *Salix* sp., 10 Aug. 2005 (A.N. Zinovjeva), 2 males; Nizhnaya Puzla River, on *Betula* sp., 3 Aug. 2011 (A.N. Zinovjeva), 1 male, 2 females (ZISP, IB KNC).

Distribution. Holarctic species: Europe, Caucasus, Eastern Siberia, Russian Far East, Northern and Northwestern China, Japan, North America.

***Psallus haematodes* (Gmelin, 1790)**

Material. Gurjevka Vill., on *Salix* sp., 9 Aug. 2005 (A.N. Zinovjeva), 1 male (IB KNC).

Distribution. Trans-Eurasian species: Europe, Azerbaijan, Kazakhstan, Western and Eastern Siberia, Russian Far East, Japan, North America (introduced).

Salicarus roseri

(Herrich-Schaeffer, 1838)

Material. Yarega Vill., on *Salix* sp., 22 July 2005 (A.N. Zinovjeva), 3 females; North Urals, Pechora-Ilych Nature Reserve, Shaytanovka River, 21 July 2004 (L.Y. Saveljeva), 1 female (ZISP).

Distribution. Trans-Eurasian species: Europe, Caucasus, Turkey, Kazakhstan, Turkmenistan, Mongolia, Western and Eastern Siberia, Russian Far East.

***Tytthus pygmaeus* (Zetterstedt, 1838)**

Material. Vodnyy Vill., 21 Aug. 1964 (K.F. Sedykh), 1 female (IB KNC).

Distribution. Holarctic species: Europe (except south part), Kyrgyzstan, Eastern Siberia, Russian Far East, North America.

Infraorder PENTATOMOMORPHA**Family COREIDAE*****Ulmicola spinipes* (Fallén, 1807)**

Material. Ukhta, 5 June 1968 (K.F. Sedykh), 1 female; Unya River, 10 Aug. 2006 (A.N. Zinovjeva), 1 female; Koigorodok Vill., 5 June 1980 (K.F. Sedykh), 1 male; Objachevo Settlm., 7

July 1983 (K.F. Sedykh), 1 female; Vaymos Vill., 29 May 2007 (A.N. Zinovjeva), 1 male; Sludka Settlm., 9 Aug. 2005 (A.N. Zinovjeva), 1 female; Kobra River, Turubanovskaya Vill., 18 Aug. 2011 (A.N. Zinovjeva), 1 male (IB KNC).

Distribution. Trans-Eurasian species: Europe, Western and Eastern Siberia, Mongolia, Northern China, Russian Far East.

Family THYREOCORIDAE***Thyreocoris scarabaeoides***

(Linnaeus, 1758)

Material. Vaymos Vill., on *Viola* sp., 29 May 2007 (A.N. Zinovjeva), 2 males; Kobra River, Turubanovskaya Vill., 18 Aug. 2011 (A.N. Zinovjeva), 1 male, 1 female (IB KNC).

Distribution. Western and central Palearctic species: Europe, Azerbaijan, Turkey, Iran, Western Siberia, North Africa.

Family ACANTHOSOMATIDAE***Acanthosoma haemorrhoidale***

haemorrhoidale (Linnaeus, 1758)

Material. Kobra River, Turubanovskaya Vill., on *Ribes* sp., 16 Aug. 2011 (A.N. Zinovjeva), 1 male (IB KNC).

Distribution. Europe, Caucasus, Turkey, Iran, Western Siberia (?), Central and Southwestern China (?).

***Elasmotethus brevis* Lindberg, 1934**

Material. Syktyvkar, in mixed forest, 29 May 2012 (A.N. Zinovjeva), 1 male (IB KNC).

Distribution. Trans-Eurasian species: Norway, Sweden, Finland, Denmark, Czech Republic, Belarus, Lithuania, Estonia, European part of Russia, Western and Eastern Siberia, Kazakhstan, Mongolia, Northern, Northeastern China, Russian Far East, Korea, Japan.

Family PENTATOMIDAE***Holcostethus strictus vernalis***

(Wolff, 1804)

Material. Letka Settlm., on *Tanacetum* sp., 21 June 1976 (I.M. Kerzhner), 1 female; Kobra Riv-

er, Turubanovskaya Vill., meadow, 16 Aug. 2011 (A.N. Zinovjeva), 2 males, 1 female, 18 Aug. 2011 (A.N. Zinovjeva), 1 male (ZISP).

Distribution. Transpalaeartic species: Europe, Caucasus, Turkey, Cyprus, Israel, Jordan, Syria, Iraq, Iran, Pakistan, Kyrgyzstan, Kazakhstan, Mongolia, Western and Eastern Siberia, Western, Northern and Northeastern China, North Africa.

***Palomena prasina* (Linnaeus, 1761)**

Material. Ukhta, 28 July 1953 (K.F. Sedykh), 1 female; Kobra River, Turubanovskaya Vill., on *Betula* sp., 18 Aug. 2011 (A.N. Zinovjeva), 1 male (ZISP).

Distribution. Transpalaeartic species: Europe, Caucasus, Turkey, Syria, Iran, Kazakhstan, Middle Asia, Northwestern, Northern, China, Western and Eastern Siberia, Morocco.

***Graphosoma lineatum* (Linnaeus, 1758)**

Material. Kobra River, Turubanovskaya Vill., 16 Aug. 2011 (A.N. Zinovjeva), 2 males, on *Pimpinella saxifrage* L., 17 Aug. 2011 (A.N. Zinovjeva), 2 females (ZISP).

Distribution. West-Central-Palaeartic species: Europe (except north of European Russia), Caucasus, Turkey, Israel, Iraq, Iran, Kazakhstan, Middle Asia, Northwestern China, Western and Eastern Siberia, North Africa.

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