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**PARASITOID WASPS OF THE FAMILY STEPHANIDAE  
(HYMENOPTERA: STEPHANOIDEA) IN THE FAUNA OF RUSSIA**

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**Summary.** The members of the family Stephanidae in the fauna of Russia are briefly discussed. The genus *Foenatopus* Smith, 1861 with species *F. ruficollis* (Enderlein, 1913) is recorded in the fauna of Russia for the first time. The distribution of the second stephanids species, *Stephanus serrator* (Fabricius, 1798), in Russia and adjacent territories are showed on the base of the material from the collection of the Zoological Institute RAS.

**Key words:** *Foenatopus*, *Stephanus*, fauna, new records, Russia, Moldova, Ukraine, Azerbaijan, Iran.

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**Резюме.** Кратко обсуждены представители семейства Stephanidae, обнаруженные в фауне России. Род *Foenatopus* Smith, 1861 и вид *F. ruficollis* (Enderlein, 1913) впервые указываются для территории России. На базе материала из коллекции Зоологического института РАН показано распространение второго вида стефанид *Stephanus serrator* (Fabricius, 1798) в России и сопредельных с ней странах.

**INTRODUCTION**

Stephanidae is one of the most ancient groups of the Parasitic Hymenoptera in the suborder Apocrita. The members of this family are characterized by a number of peculiar diagnostic characters, such as follows: vertex with crown with several teeth around anterior ocellus, the propodeum with wide open metasomal foramen, the costal vein and the metacarp in the fore wing are absent, the hind coxa elongate and without basoventral tubercle, ventral margin of the hind femur with coarse teeth, the first metasomal tergite subpetiolate or petiolate, etc.

Information about hosts of the members of this family is sparse: only a few species of the genera *Afromegischus* van Achterberg, 2002, *Foenatopus* Smith, 1860, *Megischus* Brullé, 1846, *Schlettererius* Ashmead, 1900, and *Stephanus* Jurine, 1807 have been reared from beetle larvae of the families Buprestidae, Cerambycidae and Curculionidae (Scolytinae), but member of the genus *Schlettererius*, *Sch. cinctipes* (Cresson, 1880), is also recorded as a parasitoid of *Sirex*

*noctilio* Fabricius, 1793 larva (Hymenoptera: Siricidae) (van Achterberg, 2002; van Achterberg & Quicke, 2006; Hilszczański, 2011; Hong *et al.*, 2011; Yu *et al.*, 2016).

Only 11 recent and six fossil genera in two subfamilies, Schlettereriinae and Stephaninae, are known in this family, members of which are distributed in the Holarctic, Oriental, Afrotropical, Neotropical and Australasian regions, and mainly in their subtropical and tropical areas. In the Palaearctic region (mainly in its south part), six genera have been recorded, *Afromegischus* van Achterberg, 2002 (1 species), *Foenotopus* Smith, 1861 (9 species), *Megischus* Brullé, 1846 (2 species), *Parastephanellus* Enderlein, 1906 (1 species), *Schlettererius* Ashmead, 1900 (3 species), and *Stephanus* Jurine, 1807 (3 species) (Madl, 1991; Tobias, 1988; Aguiar, 2004; van Achterberg & Quicke, 2006; Hilszczański, 2011; Hong *et al.*, 2011; Kim & Lee, 2012; Yu *et al.*, 2016). Number of taxa: World – 11 recent genera and 356 species, Palaearctic – 7/20, Russia – 2/2.

## MATERIAL AND METHODS

All material used for this study are deposited in the Hymenoptera collection of Zoological Institute of the Russian Academy of Sciences (St Petersburg, Russia) (ZISP).

The abbreviations of the regions of Russia were used from the first volume of the Annotated catalogue of the Hymenoptera of Russia (Belokobylskij & Lelej, 2017).

New distribution and host records are marked with an asterisk (\*).

## RESULTS

### Genus *Foenatopus* Smith, 1860

Synonyms: *Neostephanus* Kieffer, 1904; *Diastephanus* Kieffer, 1905.

Type species: *Stephanus indicus* Westwood, 1841.

NOTES. This is large and mainly tropical genus widely distributed in the Afrotropical, Oriental, South Palaearctic and Neotropical regions. The genus is recorded in the fauna of Russia for the first time. Number of species: World – 159, Palaearctic – 9, Russia – 1.

### *Foenatopus ruficollis* (Enderlein, 1913)

Fig. 1

Synonym: *Diastephanus trilobatus* Elliott, 1920.

MATERIAL EXAMINED. **Russia:** Primorskiy Territory: Vladivostok, Sedanka, 100 m, 43.210° N, 131.973° E, 5.VIII 2019, 1 ♂ (S. Belokobylskij leg.).

DISTRIBUTION. \*Russia: **FE** (PR). – China (SE), Korean Peninsula, Vietnam.

HOSTS. Unknown.

### Genus *Stephanus* Jurine, 1807

Type species: *Ichneumon serrator* Fabricius, 1798.

NOTES. This is small genus, most species of which are known in the Neotropical region. Solitary parasitoids of Cerambycidae larvae. Number of species: World – 17, Palaearctic – 3, Russia – 1.

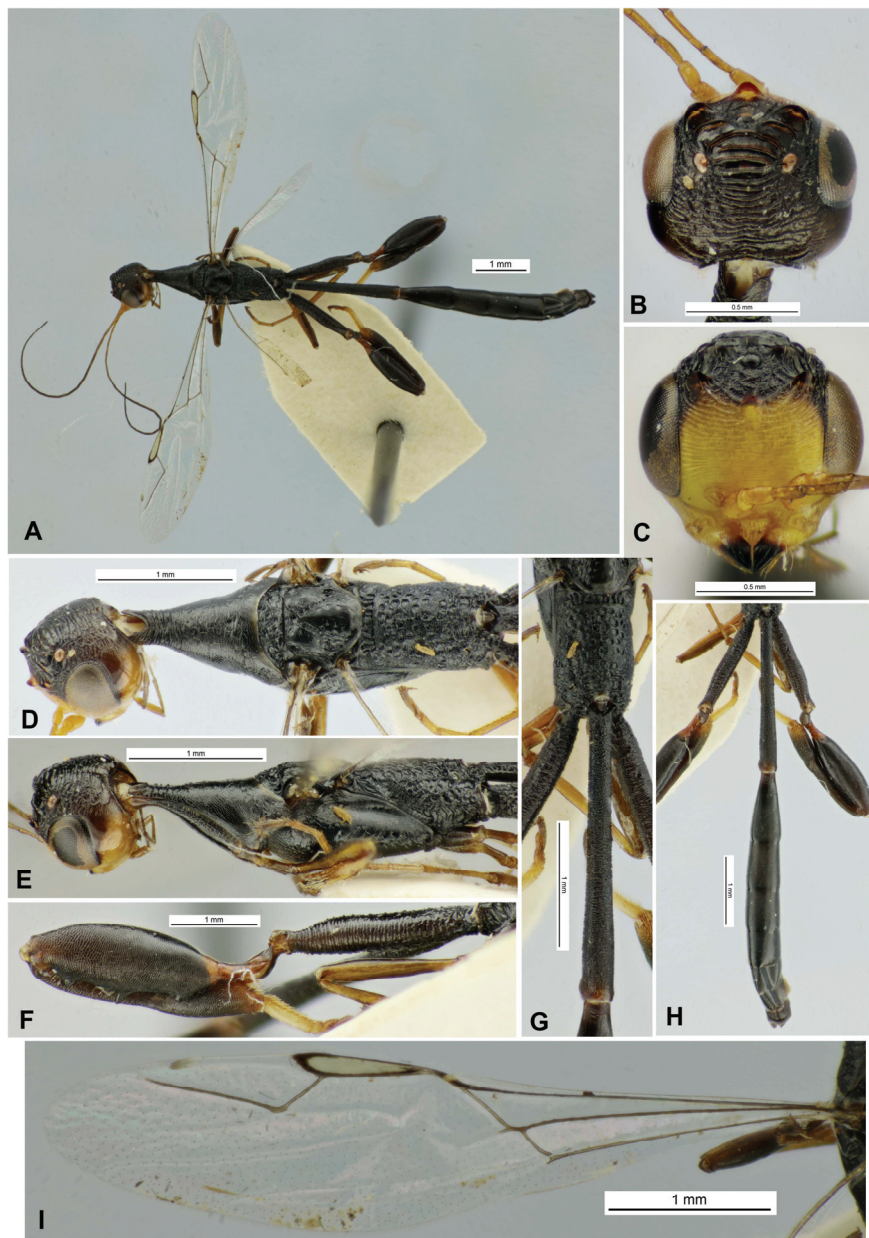


Fig. 1. *Foenatopus ruficollis* (Enderlein, 1913) (male from Vladivostok, Russia). A – habitus, dorsal view; B – head, dorsal view; C – head, front view; D – head and metasoma, dorsolateral and dorsal view; E – head and metasoma, lateral view; F – hind leg, lateral view; G – propodeum and first metasomal tergite, dorsal view; H – metasoma, dorsal view; I – fore wing.

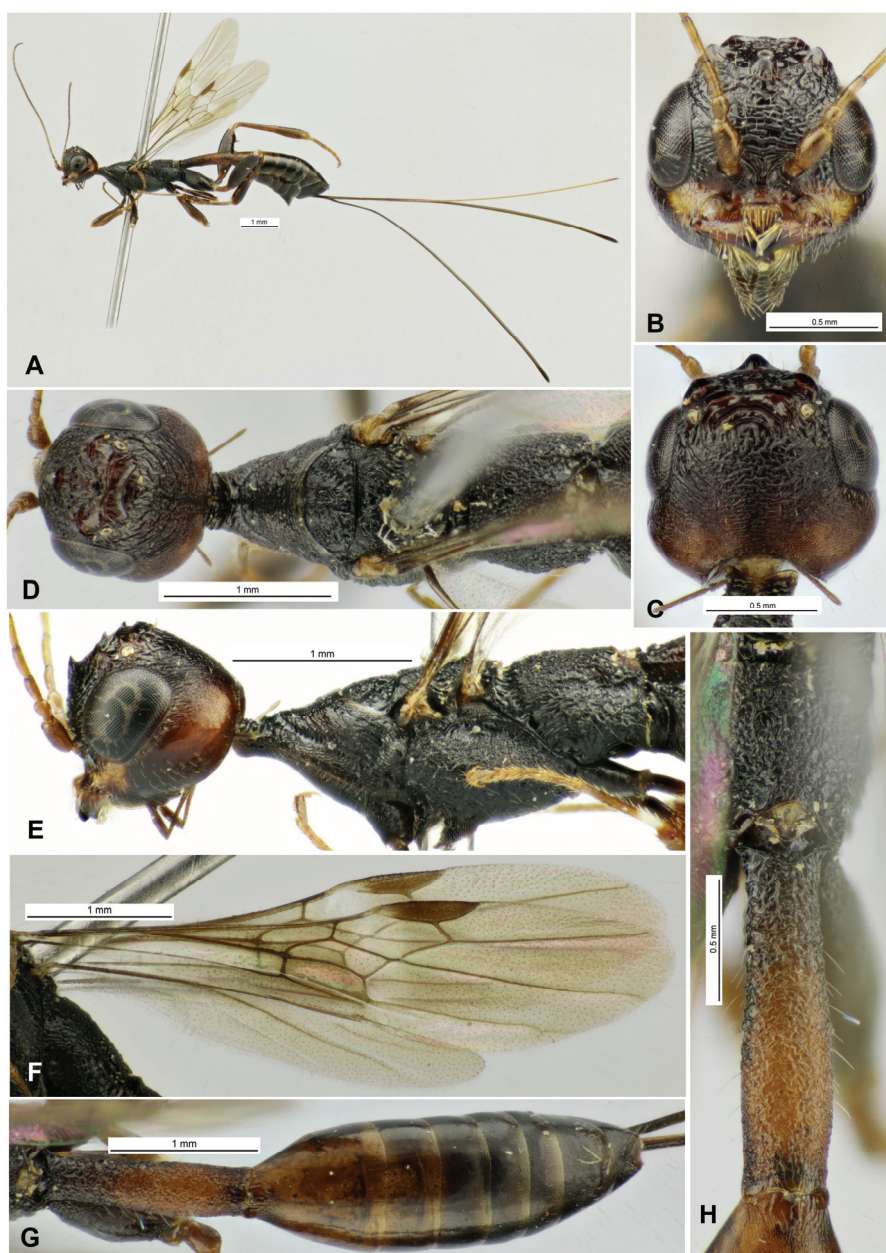


Fig. 2. *Stephanus serrator* (Fabricius, 1798) (female from Ukraine). A – habitus, dorsal view; B – head, front view; C – head, dorsal view; D – head and metasoma, dorsal view; E – head and metasoma, lateral view; F – wings; G – metasoma, dorsal view; H – propodeum and first metasomal tergite, dorsal view.

### ***Stephanus serrator* (Fabricius, 1798)**

Fig. 2

Synonym: *Stephanus coronatus* Panzer, 1800.

MATERIAL EXAMINED. **Russia:** Krasnodar Territory: env. of Novorossiysk, Shirokaya balka, 2.V 1903, 1♀ (A. Silant'ev leg.); Sochi, Lazarevskaya, Ashe, 14.V 1908, 1♀ (V. Borodin leg.); Republic of Crimea: Yalta, Mys Mart'yan, reared from *Scolytus caprinus* (Ratz.), under bark of *Carpinus* sp., 27.IX 2004, 1♂ (M. Mandel'shtam leg.). **Moldova:** Kotovsk, oak forest, 30.VI 1977, 1♀, 1♂ (W. Kuslitsky leg.). **Ukraine:** Zakarpatskaya Province: Uzhgorod Region, Guta Village, 30.V 2013, 1♀, 2♂ (M. Mokrousov leg.). **Azerbaijan:** Kakhi [= Qah], forest, 15.VI 1997, 1♂ (V. Richter leg.). **Iran:** Tavriz [=Tebriz], „Bagishemal'“, 28.VI 1914, 1♂ (Andrievskiy leg.).

DISTRIBUTION. Russia: **EP** (NC, CR). – France, Spain, the Netherland, Germany, Switzerland, Austria, Italy, Croatia, Serbia, Greece, Czechia, Slovakia, Hungary, Bulgaria, \*Moldova, \*Ukraine, \*Azerbaijan, Turkey, \*Iran.

HOSTS. Solitary parasitoid of *Clytus lama* Muls., *Ropalopus femoratus* L., *R. macropus* Germar, *Saperda similis* Laich. *Xylotrechus capricornis* Gebler (Cerambycidae) and \**Scolytus caprinus* (Ratz.) (Curculionidae: Scolytinae).

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