

## SHORT COMMUNICATION

**P. G. Nemkov. DIGGER WASPS OF THE GENUS *STIZOIDES* GUÉRIN-MÉNEVILLE (HYMENOPTERA, CRABRONIDAE, BEMBICINAE) OF THE FAUNA OF RUSSIA AND NEIGHBORING COUNTRIES. – Far Eastern Entomologist. 2012. N 247: 8-13.**

**Summary.** Five *Stizoides* species of the fauna of Russia and neighboring countries are reviewed. A key to the species is provided.

**Key words:** Digger wasps, Hymenoptera, Crabronidae, Bembicinae, *Stizoides*, Russia.

**П. Г. Немков. Роющие осы рода *Stizoides* Guérin-Méneville (Hymenoptera, Crabronidae, Bembicinae) фауны России и сопредельных стран // Дальневосточный энтомолог. 2012. N 247. С. 8-13.**

**Резюме.** Дается обзор 5 видов рода *Stizoides* фауны России и сопредельных стран. Приводится оригинальная определительная таблица видов.

### INTRODUCTION

*Stizoides* Guérin-Méneville, 1844 is a not numerous digger wasp genus included 30 species which inhabit all continents except Oriental, Australian, and Neotropical regions (Pulawski, 2012). The species of *Stizoides* are cleptoparasites in the nests of Orthoptera-hunting digger wasps of the genera *Sphex* Linnaeus, 1758, *Palmodes* Kohl, 1890, *Prionyx* Vander Linden, 1827 (Sphecidae), and *Stizus* Latreille, 1802 (Crabronidae) (Bohart & Menke, 1976; Ohl, 1999).

This genus was not especially studied in Russia, but there are species keys of European part of USSR (Pulawski, 1978), Kazakhstan and Middle Asia (Kazenas, 1978), and world-wide fauna (Ohl, 1999). The material used in this study is from the collections of Zoological Institute of Russian Academy of Sciences (St-Petersburg) and Institute of Biology and Soil Science of Russian Academy of Sciences (Vladivostok).

### Genus *Stizoides* Guérin-Méneville, 1844

*Stizoides* Guérin-Méneville, 1844: 438 (as subgenus of *Stizus*). Type species: *Larra fasciata* Fabricius, 1798, junior secondary homonym of *Stizus fasciatus* (Fabricius, 1798) (= *Sphex assimilis* Fabricius, 1787), designated by J. Parker, 1929: 10.

Five species known in Russia and neighboring countries are included in the key.

### Key to the species

1. Forewing base hyaline. Sternite II with macropunctures sparser medially than laterally, basomedially with densely pubescent micropunctate patch. 10.0–23.0 mm ..... *S. assimilis* (Fabricius)
- Forewing base infumate. Sternite II with regular macropunctures, without pubescent patch ..... 2
2. Antennal base and legs black ..... 3
- Antennal base and legs for the most part reddish-yellow ..... 4

3. Forewing uniformly infumate. 12.0–22.0 mm ..... *S. melanopterus* (Dahlbom)  
 – Forewing apex with broad hyaline area. 11.5–21.0 mm ..... *S. tridentatus* (Fabricius)  
 4. All tergites yellow or with broad yellow band. 12.5–16.0 mm .....  
 ..... *S. cyanopterus* (Gussakovskij)  
 – Only tergites I-III yellow, remaining tergites black. 8.5–19.5 mm .....  
 ..... *S. crassicornis* (Fabricius)

#### List of the species

##### *Stizoides assimilis* (Fabricius, 1787)

*Sphex assimilis* Fabricius, 1787: 276, sex not indicated (lectotype [designated by van der Vecht, 1961: 54] – ♂, India, Tamil Nadu, Tranquebar, [Copenhagen]). – *Stizus egregius* Gussakovskij, 1928: 11, ♀ (syntypes – ♀ ♀, Turkmenistan, Yolatan station near Mary, [depository unknown]), synonymized with *Stizoides assimilis* by Ohl, 1999: 81; Myartseva, 1972: 89, 1976: 74; Kazenas, 1978: 83; Nazarova, 1998: 41; Ohl, 1999: 81; Kazenas, 2001: 49, 232.

MATERIAL. Tajikistan: 1 ♀, 1 ♂, Aivadz, outfall of Kafirnigan River, 30.VII 1934 (Gussakovskij).

DISTRIBUTION. Israel, Palestine, Saudi Arabia, Yemen, UAE, Kyrgyzstan, Uzbekistan, Turkmenistan, Tajikistan, Iran, Pakistan, India, Nepal, Morocco, Algeria, Egypt, Mauritania, Senegal, Mali, Sudan.

##### *Stizoides crassicornis* (Fabricius, 1787)

*Tiphia crassicornis* Fabricius, 1787: 278, sex not indicated (lectotype [designated by van der Vecht, 1961: 54] – ♀, Tunisia, Porto Farina, [Copenhagen]). – *Stizus fulvipes* Eversmann, 1846: 440, ♀, ♂ (lectotype [designated by Ohl, 1999: 112] – ♂, Russia, lower Volga area, [Kraków]), synonymized with *Stizus crassicornis* by Handlirsch, 1892: 104; Eversmann, 1849: 392; Radoszkowski, 1877: 38, 1892: 578. – *Pompilus alienus* Fischer de Waldheim, 1843: 3, sex not indicated (lectotype [designated by Harttig, 1932: 146] – sex not indicated, southern Russia, no specific locality, [Dresden, destroyed in World War II]), synonymized with *Stizus crassicornis* by Harttig, 1932: 146. – *Stizus crassicornis*: Becker, 1880: 153; F. Morawitz, 1891: 225. – *Stizoides crassicornis*: Kazenas, 1972: 147; Myartseva, 1972: 89; Myartseva, 1976: 74; Kazenas, 1978: 83; Pulawski, 1978: 206; Ohl, 1999: 112; Kazenas, 2001: 49, 232, 2002: 128, 2004: 111; Shoreenko, 2005: 168.

MATERIAL. Turkmenistan: 1 ♀, 4 ♂, Imam-Baba, 1932 (without other data) (Shchestakov).

DISTRIBUTION. France, Spain, Italy, Greece, Cyprus, Ukraine (Crimea), Turkey, Israel, Palestine, Russia (Saratov, Volgograd, and Astrakhan regions), Azerbaijan, Kazakhstan, Kyrgyzstan, Uzbekistan, Turkmenistan, Tajikistan, Iran, Algeria, Tunisia, Egypt.

##### *Stizoides cyanopterus* (Gussakovskij, 1928)

*Stizus cyanopterus* Gussakovskij, 1928: 10, ♀ (holotype – ♀, Uzbekistan, Khiva, [depository unknown]). – *Stizoides cyanopterus*: Myartseva, 1972: 89; Myartseva, 1976: 74; Kazenas, 1978: 83; Ohl, 1999: 115; Kazenas, 2001: 49, 232.

MATERIAL. Turkmenistan: 1 ♂, Akhcha-Kuima, 6.VI 1988 (Lelej).

DISTRIBUTION. Georgia, Uzbekistan, Turkmenistan, Iran.

### ***Stizoides melanopterus* (Dahlbom, 1845)**

*Stizus melanopterus* Dahlbom, 1845: 478, ♂, actually ♀ (holotype – ♀, Greece, Rhodes Island, [Lund]). – *Stizus concolor* Eversmann, 1849: 392, ♀ (holotype [or syntypes] – ♀, Kazakhstan, no specific locality, [depository unknown]), synonymized with *Stizoides melanopterus* by Handlirsch, 1892: 102; Radoszkowski, 1877: 39; Handlirsch, 1892: 103. – *Stizoides melanopterus*: Gussakovskij, 1935: 440; Kazenas, 1978: 83; Pulawski, 1978: 206; Nazarova, 1998: 41; Ohl, 1999: 127; Kazenas, 2001: 49, 2002: 128, 2004: 111; Shorenko, 2005: 168; Kazenas, 2008: 105.

MATERIAL. Turkmenistan: 1 ♀, Kerki, 15.VI 1933 (Ushchinskii).

DISTRIBUTION. Croatia, Greece, Ukraine (Crimea), Turkey, Lebanon, Israel, Palestine, Russia (Volgograd region), Armenia, Kazakhstan, Kyrgyzstan, Uzbekistan, Turkmenistan, Tajikistan, Iraq.

### ***Stizoides tridentatus* (Fabricius, 1775)**

*Crabro tridentatus* Fabricius, 1775: 373, sex not indicated (holotype – ♀, southern Europe, no specific locality, [Copenhagen]). – *Larra bifasciata* Fabricius, 1798: 252, sex not indicated (lectotype [designated by van der Vecht, 1961: 55] – ♂, Morocco, Tanger, [Copenhagen]), synonymized with *Larra tridentata* by F. Smith, 1856: 351. – *Stizus bifasciatus*: Eversmann, 1849: 392; Becker, 1880: 153; Morawitz, 1891: 225. – *Stizus unifasciatus* Radoszkowski, 1877: 39, ♀, ♂ (lectotype [designated by Ohl, 1999: 141] – ♀, Uzbekistan, Samarkand, [Moscow]), synonymized with *Stizus tridentatus* by Handlirsch, 1892: 98; Radoszkowski, 1893: 63; Gussakovskij, 1935: 440; Islamov, 1970: 63; Myartseva, 1972: 89, 1976: 74. – *Stizus tridentatus*: Kohl & Handlirsch, 1889: 281; F. Morawitz, 1893: 421; Myartseva, 1963: 60. – *Stizoides tridentatus*: Myartseva, 1965: 90; Tsuneki, 1971: 207; Kazenas, 1972: 147, 1978: 83; Pulawski, 1978: 206; Islamov, 1986: 523; Shkuratov, 1998: 97; Ohl, 1999: 136; Kazenas, 2001: 49, 232, 2002: 129; Shkuratov, 2002: 140; Kazenas, 2004: 111; Nazarova, 2004: 107; Shorenko, 2005: 167; Kazenas, 2007: 92.

MATERIAL. Azerbaijan: 1 ♀, Altan, 30.VI 1927 (Zapolskii).

DISTRIBUTION. France, Portugal, Spain, Switzerland, Italy (including Sicilia and Sardinia), Croatia, Serbia, Macedonia, Albania, Greece (including Crete), Hungary, Romania, Bulgaria, Cyprus, Ukraine, Turkey, Israel, Russia (Saratov, Volgograd, Rostov, Astrakhan, and Orenburg regions), Azerbaijan, Kazakhstan, Kyrgyzstan, Uzbekistan, Turkmenistan, Tajikistan, Iran, Mongolia, Morocco, Algeria, Tunisia, Libya, Egypt.

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