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P. G. Nemkov. TO THE SYNONYMY OF *STIZUS HISTRIO* F. MORAWITZ (HYMENOPTERA, CRABRONIDAE, BEMBICINAE). – Far Eastern Entomologist. 2015. N 294: 25-28.

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Summary. New synonymy is proposed for *Stizus histrio* F. Morawitz, 1888 = *Stizus raddei* Handlirsch, 1889, **syn. n.**

Key words: Digger wasps, Crabronidae, taxonomy, new synonymy.

П. Г. Немков. К синонимии *Stizus histrio* F. Morawitz (Hymenoptera, Crabronidae, Bembicinae) // Дальневосточный энтомолог. 2015. N 294. С. 25-28.

Резюме. Установлена новая синонимия: *Stizus histrio* F. Morawitz, 1888 = *Stizus raddei* Handlirsch, 1889, **syn. n.**

TAXONOMY

Stizus histrio F. Morawitz, 1888

Stizus histrio F. Morawitz, 1888: 287, ♀. Holotype: ♀, Turkmenistan, 30 km SE Askhabad, Kiltitschinar (Zoological Institute of Russian Academy of Sciences, St. Petersburg).

Stizus histrio: Kohl & Handlirsch, 1889: 281, Handlirsch, 1892: 126, de Dalla Torre, 1897: 525, Bohart & Menke, 1976: 526, Kazenas, 1978: 81, Kazenas & Nasyrova, 1991: 38, Kazenas & Tobias, 1992: 29, Kazenas, 2001: 48, 231, 2002: 127, 2008: 105, Nemkov, 2012a: 56, 59, 2012b: 122, Kazenas, 2014: 161.

Stizus raddei Handlirsch in Kohl & Handlirsch, 1889: 280, ♂. Syntypes: Turkmenistan, Chuli (State Museum of Georgia, Tbilisi). **Syn. n.**

Stizus raddei: Handlirsch, 1892: 130, Dalla Torre, 1897: 529, Bohart & Menke, 1976: 527, Kazenas, 1978: 82, 2001: 48, Nemkov, 2012a: 56, 59.

MATERIAL. **Kazakhstan:** Ili River, 36 km downstream from Kapchagai, 13.VI 1980, 1♀ (Lehr). **Uzbekistan:** Tashkent, 2, 17.VI 1924, 1♀, 1♂ (collector unknown); Chakhchi, 9.VI 1928, 1♀ (Zimin); Khatyrchi, 12.VI 1928, 2♀ (Zimin). **Turkmenistan:** Gasan-Kuli, 29.VI 1932, 2♂ (Ushinski); Ashkhabad, 30.V 1934, 1♂ (Popov). **Tadjikistan:** Dzhilikul, 25.V 1931, 1♀ (Fursov); Kurgan-Tube, 25.V 1931, 1♀ (Fursov); Dushanbe, 11.V 1944, 1♂ (Popov).

DISTRIBUTION. Kazakhstan, Uzbekistan, Turkmenistan, Tadjikistan.

DISCUSSION

Two species *Stizus histrio* and *S. raddei* have been described from Turkmenistan in the late 19th century. Until recently, the former was known in females, but the latter was known



Fig. 1. *Stizus histrio*, female.



Fig. 2. *Stizus histrio*, male.

in males. They easily distinguish from each other: *S. histrio* has a rich light coloration of the body and transparent wings (fig. 1), while *S. raddei* is darker and has brownish wings (fig. 2).

Recently Kazenas (2014) found a nesting colony of *S. histrio* with copulated wasps and described a previously unknown male of *S. histrio* (fig. 2) which does not differ from the male of *S. raddei*.

The synonymy of *S. histrio* and *S. raddei* was previously supposed (Nemkov, 2012a) and the last data (Kazenas, 2014) confirmed this assumption. Thus, I regard *S. raddei* Handlirsch, 1889 as a junior subjective synonym of *S. histrio* F. Morawitz, 1888.

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REFERENCES

- Bohart, R.M. & Menke, A.S. 1976. *Sphecid Wasps of the World. A generic revision*. Berkeley, Los Angeles, London: University of California Press: ix + 695 pp.
- de Dalla Torre, C.G. 1897. *Catalogus Hymenopterorum hucusque Descriptorum Systematicus et Synonymicus. Volumen VIII: Fossores (Sphegidae)*. Lipsiae: Guilelmi Engelmann: viii + 750 pp.
- Handlirsch, A. 1892. Monographie der mit *Nysson* und *Bembex* verwandten Grabwespen. VI. *Sitzungsberichte der Kaiserlichen Akademie der Wissenschaften. Mathematisch-Naturwissenschaftliche Classe. Abtheilung I*, 101: 25–205, pl. 1–3.
- Kohl, F.F. & Handlirsch, A. 1889. Transcaspische Hymenopteren. *Verhandlungen der kaiserlich-königlichen Zoologisch-Botanischen Gesellschaft in Wien*, 39: 267–286, pl. 7.
- Kazenas, V.L. 1978. *The digger wasps of Kazakhstan and Middle Asia (Hymenoptera, Sphecidae). The keys*. Alma Ata: Izdatelstvo Nauka Kazakhskoy SSR: 172 p. [In Russian].
- Kazenas, V.L. 2001. *Fauna and biology of sphecid wasps (Hymenoptera, Sphecidae) of Kazakhstan and Central Asia*. Almaty: KazgosINTI, 333 pp. [In Russian].
- Kazenas, V.L. 2002. Digger wasps (Hymenoptera, Sphecidae) of Kazakhstan. *Tethys Entomological Research*, 4: 1–174. [In Russian].
- Kazenas, V.L. 2008. Rare species of digger wasps (Hymenoptera: Ampulicidae, Sphecidae, Crabronidae) of Southeast Kazakhstan and their protection. *Tethys Entomological Research*, 16: 97–108. [In Russian].
- Kazenas, V.L. 2014. Previously unknown males of *Stizus histrio* F. Morawitz (Hymenoptera, Crabronidae). *Euroasian Entomological Journal*, 13: 161–162. [In Russian].
- Kazenas, V.L., & Nasyrova, S.R. 1991. Digger wasps (Hymenoptera, Sphecidae) as predators of Orthoptera in the desert zone of Kazakhstan. *Izvestiya Akademii Nauk Kazakhskoy SSR. Seriya Biologicheskaya*, 6: 37–40. [In Russian].
- Kazenas, V.L. & Tobias, V.I. 1992. Night spilling aggregations of digger wasps (Hymenoptera, Sphecidae) in Southeastern Kazakhstan. *Entomologicheskoe Obozrenie*, 71(1): 28–31. [In Russian].
- Nemkov, P.G. 2012a. Digger wasps of the genus *Stizus* Latreille, 1802 (Hymenoptera, Crabronidae, Bembicinae) of the fauna of Russia and neighboring countries. *Euroasian Entomological Journal*, 11: 55–62. [In Russian].

Nemkov, P.G. 2012b. Biological features of the digger wasps of the subfamily Bembicinae (Hymenoptera, Crabronidae). *A. I. Kurentsov's Annual Memorial Meetings*, 23: 114–132. [In Russian].

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