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DISCOVERY OF THE GENUS *NANOCLAVELIA* HUPT IN PRIESNER, 1955 (HYMENOPTERA, POMPILIDAE) FROM RUSSIA

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Summary. The spider wasp genus *Nanoclavelia* Haupt in Priesner, 1955 and the species *N. leucoptera* (Dahlbom, 1845) are newly recorded from Russia. Diagnosis of the genus and species as well as photographs of the female and male are given.

Key words: spider wasps, Pompilinae, fauna, new record, Khakassia, Krasnoyarskii krai, Palaearctic.

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Резюме. Впервые для фауны России указываются род *Nanoclavelia* Haupt in Priesner, 1955 и вид *N. leucoptera* (Dahlbom, 1845). Приведены диагноз рода и вида, а также фотографии самки и самца.

INTRODUCTION

Nanoclavelia is a monotypic genus from the subfamily Pompilinae. The genus was proposed by Haupt in Priesner (1955) as a subgenus of *Pompilus* Fabricius, 1798. The only species of this genus, *N. leucoptera* (Dahlbom, 1845), is distributed in the Palaearctic, from Europe in the west to Central Asia in the east (Wolf, 1978; Wiśniowski, 2009). *Nanoclavelia* was included in the key to genera of spider wasps of Russia (Loktionov & Lelej, 2015), like other genera which were unknown from Russia, but their presence here is quite possible. During the study of spider wasp material collected from steppe areas of the south of Eastern Siberia, this genus was found in Russia for the first time.

This paper is based on the material collected by V.M. Loktionov, M.Yu. Proshchalykin, and A.S. Lelej during two expeditions conducted in 2012 and 2014 in Krasnoyarskii krai and Khakassia (Eastern Siberia, Russia). Spider wasps were collected by using a sweeping net and yellow pan traps. Photographs of specimens were taken with the stereomicroscope Olympus SZX16 and digital camera Olympus DP74, and stacked using Helicon Focus software. The final illustrations were postprocessed for contrast and brightness using Adobe® Photoshop® software. Material treated in this paper is deposited in the Federal Scientific Center of the East Asia Terrestrial Biodiversity, Far East Branch of the Russian Academy of Sciences, Vladivostok, Russia.

SYSTEMATICS

Family Pompilidae

Subfamily Pompilinae

Genus *Nanoclavelia* Haupt in Priesner, 1955

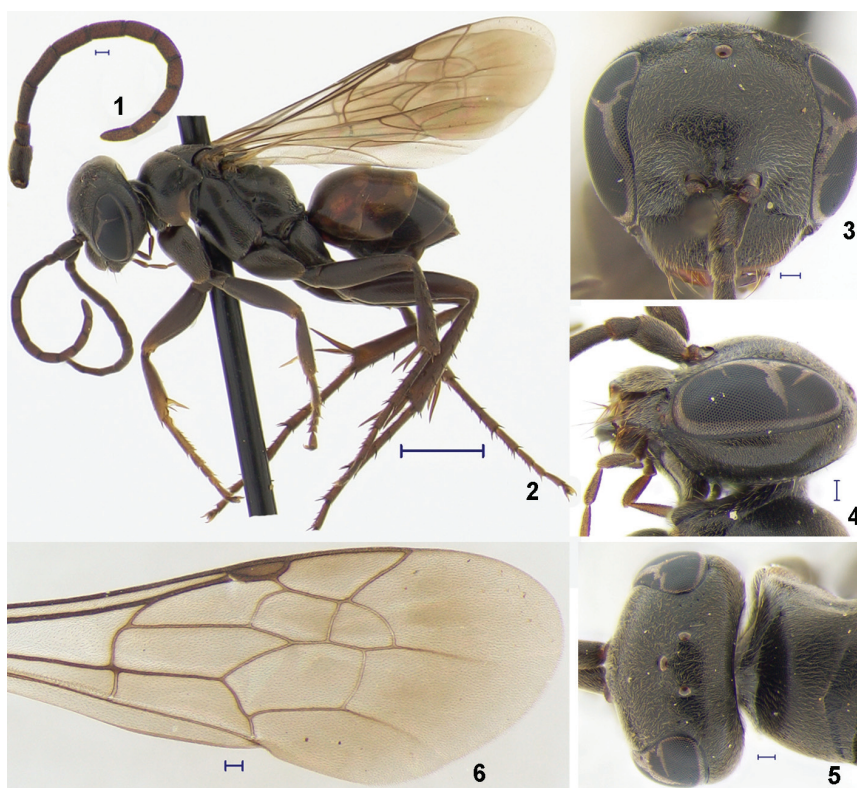
Nanoclavelia Haupt in Priesner, 1955: 56, 94, as subgenus of *Pompilus* Fabricius, 1798.

Type species: *Pompilus leucopterus* Dahlbom, 1845, by original designation.

Nanoclavelia Priesner: Wahis, 1986: 18; Wiśniowski, 2009: 255; Loktionov & Lelej, 2015: 103.

Nanoclavelia Haupt: Haupt, 1962: 22; Wolf, 1972: 124; Tobias, 1978: 133; Wolf, 1978: 87.

DIAGNOSIS. The antenna shortened (Figs 1, 12). The eyes narrow, eye width (head in frontal view) 1.8–2.2 times half of the middle interocular distance (Figs 3, 8). The frons distinctly punctate. Tergae somewhat polished and finely punctate. The tarsomere 1 of fore leg in the female with two very short spines of tarsal comb. The fore wing evenly and weakly infuscated, the pterostigma large, third submarginal cell usually smaller than the second (Figs 6, 13). Body length: the female 4.5–6.5 mm, the male 4.5–6.0 mm.



Figs 1–6. *Nanoclavelia leucoptera*, female from Krasnoyarskii krai. 1 – antenna; 2 – habitus, lateral view; 3 – head, frontal view; 4 – head, lateral view; 5 – head and pronotum, dorsal view; 6 – fore wing. Scale bar: 1.0 mm for 1; 0.1 mm for 2–6.

SPECIES INCLUDED. The type species only.

DISTRIBUTION. Europe, Near East, Central Asia, Kazakhstan (Wiśniowski, 2009; Loktionov & Lelej, 2015), Russia (Khakassia and Krasnoyarskii krai) (new record).

***Nanoclavelia leucoptera* (Dahlbom, 1845)**

Figs 1–13

Pompilus leucopterus Dahlbom, 1845: 453, ♂. Type locality: "Danzig" [Gdansk, Poland].

Nanoclavelia leucoptera: Wolf, 1972: 124; Wolf, 1978: 87; Wahis, 1986: 18; Zonstein, 2002: 128; Wiśniowski, 2009: 255.

Nanoclavelia leucopterus: Tobias, 1978: 133.

DIAGNOSIS. Female: POD:OOD=1.0–1.2; flagellomeres 5–7 about 1.5–2.0 times longer than wide; body black, with terga 1 apically and tergum 2 basally red. Male: apical half of the volsella very broad with few long bristles apically, and few shorter on ventral surface (Fig. 9); apical portion of the hypopygium oval in ventral view (Fig. 10), roof-like in lateral view (Fig. 11), its margin with coarse short bristles.



Figs 7–13. *Nanoclavelia leucoptera*, male from Krasnoyarskii krai. 7 – habitus, lateral view; 8 – head, frontal view; 9 – genitalia, ventral view; 10 – hypopygium and sternum 7, ventral view; 11 – hypopygium and sternum 7, lateral view; 12 – antenna; 13 – fore wing. Scale bar: 1.0 mm for 7; 0.1 mm for 8–13.

MATERIAL EXAMINED. **Russia.** Krasnoyarskii krai: Environs of Minusinsk, Malaya Minusa Riv., 4, 7.VII 2012, 2♀, 1♂, V. Loktionov, M. Proshchalykin; 40 km NE Minusinsk, Tes Vill., Tuba Riv., 7.VII 2012, 2♀, V. Loktionov, M. Proshchalykin; 10 km NW Minusinsk, Bystraya Vill., Yenisei Riv., 9.VII 2014, 4♀, A. Lelej, M. Proshchalykin, V. Loktionov; Khakassia: 21 km SW Abakan, Izykhskie Kopi Vill., 13.VII 2012, 2♀, V. Loktionov, M. Proshchalykin.

DISTRIBUTION. Europe, Near East, Central Asia, Kazakhstan (Wiśniowski, 2009; Loktionov & Lelej, 2015), Russia (Khakassia and Krasnoyarskii krai) (new record).

CONCLUSION

Discovery of the genus *Nanoclavelia* is a valuable contribution to the fauna of the family Pompilidae of Russia, which currently comprises 249 species from 38 genera and three subfamilies (Loktionov & Lelej, 2017 and current data). The find of *N. leucoptera* represents the new easternmost distribution record of the genus in the Palaearctic. Like the genus *Nanoclavelia*, some other genera distributed in Europe (*Ctenagenia* de Saussure, 1892, *Cyphononyx* Dahlbom, 1845, *Entomobora* Gistel, 1857, *Hemipepsis* Dahlbom, 1843, and *Pseudopompilus* Costa, 1887), Central and North-East Asia (*Claveliocnemis* Wolf, 1968, *Clistoderes* Banks, 1934, *Gonaporus* Ashmead, 1902, *Myrmecodipogon* Ishikawa, 1965, *Pamiropila* Wolf, 1970, and *Pareiocurgus* Haupt in Priesner, 1955) can be found in Russia.

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