

<https://doi.org/10.25221/fee.465.4>

<https://elibrary.ru/apqixi>

<https://zoobank.org/References/A5929E0A-BB2B-4769-9BD8-8011412C30A0>

**TO THE FAUNA OF THE FAMILY HIMANTARIIDAE (CHILOPODA:
GEOPHILOMORPHA) OF KYRGYZSTAN**

Yu. V. Dyachkov

Altai State University, 61 Lenin Ave., Barnaul, 656049, Russia. E-mail: dyachkov793@mail.ru

Summary. An annotated list of tree species of the family Himantariidae Bollman, 1893 known from Kyrgyzstan is given. Two genera, *Bothriogaster* Sseliwanoff, 1879 and *Polyporogaster* Verhoeff, 1899, and two species, *B. signata* (Kessler, 1874) and *P. porosa* (Sseliwanoff, 1881), are recorded from this country for the first time. The distribution map of Himantariidae species occur in Kyrgyzstan is also provided.

Key words: biodiversity, fauna, *Bothriogaster*, *Polyporogaster*, *Stigmatogaster*, new records, Central Asia.

Ю. В. Дьячков. К фауне семейства Himantariidae (Chilopoda: Geophilomorpha) Киргизии // Дальневосточный энтомолог. 2022. N 465. С. 22-24.

Резюме. Приведен аннотированный список 3 видов семейства Himantariidae Bollman, 1893 фауны Киргизии. Впервые для этой страны указываются 2 рода: *Bothriogaster* Sseliwanoff, 1879 и *Polyporogaster* Verhoeff, 1899 и 2 вида: *B. signata* (Kessler, 1874) и *P. porosa* (Sseliwanoff, 1881). Также дана карта распространения видов Himantariidae в Киргизии.

INTRODUCTION

Our knowledge of the family Himantariidae (Chilopoda) of Kyrgyzstan is still incomplete. To date, the only *Stigmatogaster* sp. has been recorded from this country (Titova 1978). This paper provides new faunistic records.

The material is deposited in the Zoological Institute of the Russian Academy of Sciences, Saint Petersburg (ZISP) and in the Zoological Museum of Moscow State University (ZMMU). The data on the localities are given according to original labels; additional information is provided in square brackets. Map (Fig. 1) was generated with SimpleMapp (Shorthouse, 2010). Abbreviation: coll. – collector

NEW RECORDS

Family Himantariidae Bollman, 1893

Genus *Bothriogaster* Sseliwanoff, 1879

***Bothriogaster signata* (Kessler, 1874)**

MATERIAL. Kyrgyzstan: [Chuy Region]: Bishkek [ca. 42°52' N, 74°34' E], 20.V 1970, 1♀, coll. unknown (ZISP chilo-30); Pishpekskiy Uezd of Semirechenskaya Oblast [district

in Russian Turkestan; now vicinity of Bishkek], Chon-Daly Urochische [ca. 42°47'11.67" N, 74°49'14.60" E], 7–9.VI 1906, 2 ♀, coll. medicine student (ZISP chilo-60); [Issyk-Kul Region]: Kutemaldy River [ca. 42°27'4.23" N, 76°7'24.53" E], 10.VI 1907, 1 ♀, coll. Kutsenko (ZISP chilo-29).

DISTRIBUTION. From the Eastern Mediterranean Region (Zapparoli, 1991) through Western Asia (Zarei *et al.*, 2020) to Central Asia: Kazakhstan (Dyachkov, 2020a), Turkmenistan, Uzbekistan (Dyachkov & Nedoev, 2021), Tajikistan (Dyachkov, 2020b), and Kyrgyzstan.

REMARKS. This species and the genus *Bothriogaster* are new to the fauna of Kyrgyzstan.



Fig. 1. Distribution of the family Himantariidae Bollman, 1893 in Kyrgyzstan: oval – *Bothriogaster signata* (Kessler, 1874); triangle – *Polyporogaster porosa* (Sseliwanoff, 1881); square – *Stigmatogaster* sp.

Genus *Polyporogaster* Verhoeff, 1899

Polyporogaster porosa (Sseliwanoff, 1881)

MATERIAL. **Kyrgyzstan:** Issyk-Kul Region: Kutemaldy River [ca. 42°27'4.23" N, 76°7'24.53" E], 1907, 2 ♂, coll. Kutsenko (ZISP chilo-34); Przewalsk [now Karakol, 42°30' N, 78°23' E], 1906, 1 ♂, 1 ♀, coll. unknown (ZISP chilo-35).

DISTRIBUTION. Kazakhstan (Bragina *et al.*, 2020; Dyachkov, 2020a), Uzbekistan, Turkmenistan (Dyachkov & Nedoev, 2021), Tajikistan (Dyachkov, 2020b), W Mongolia (Dyachkov, 2021), and Kyrgyzstan.

REMARKS. This species and genus *Polyporogaster* are new to the fauna of Kyrgyzstan.

Genus *Stigmatogaster* Latzel, 1880

Stigmatogaster sp.

MATERIAL. (identified by Titova). **Kyrgyzstan:** Jalal-Abad Region, Sary-Chelek [ca. 41°52' N, 71°57' E]; on a road to lake, nut forest, soil samples, 20.VI 1970, 2 ♂, 2 ♀, coll. unknown (ZMMU Rc 7794); *Abies* and *Picea* forest with *Rubus*, 17.VI 1970, 1 ♂, 7 ♀, 1 juv., coll. unknown (ZMMU Rc 7795).

DISTRIBUTION. Kazakhstan, Tajikistan, and Kyrgyzstan (Titova, 1978; Dyachkov, 2020a, b).

REMARKS. This material was studied by Titova (1978); she mentioned “Kyrgyzstan” without precise localities. Material is in poor condition therefore correct identification is impossible.

ACKNOWLEDGMENTS

I wish to thank A.A. Schileyko (ZMMU), V.A. Krivokhatsky, O.V. Ovchinnikova, and G.M. Suleymanova (all ZISP) who loaned material and provided great help. The research was carried out as a part of the Program for the Support of Scientific and Pedagogical Staff of the Altai State University, the project “Biodiversity of dominant predatory arthropods of the south of Russian Far East: spiders (Arachnida: Aranei) and centipedes (Myriapoda: Chilopoda)”

REFERENCES

- Bragina, T.M., Dyachkov, Yu.V. & Farzaliyeva, G.Sh. 2020. New data on the centipede fauna (Myriapoda: Chilopoda) of Kostanay region, Kazakhstan. *Far Eastern Entomologist*, 406: 27–32. DOI: 10.25221/fee.406.4
- Dyachkov, Yu.V. 2020a. New data on the family Himantariidae Bollman, 1893 (Chilopoda: Geophilomorpha) from Kazakhstan. *Ecologica Montenegrina*, 28: 61–66. DOI: 10.37828/10.37828/em.2020.28.10
- Dyachkov, Yu.V. 2020b. New data on the centipede (Chilopoda) fauna from Tajikistan. *Ecologica Montenegrina*, 36: 78–86. DOI: 10.37828/em.2020.36.6
- Dyachkov, Yu.V. 2021. Himantariidae Bollman, 1893 (Chilopoda: Geophilomorpha), a new family for the Mongolian fauna. *Ecologica Montenegrina*, 47: 54–58. DOI: 10.37828/em.2021.47.9
- Dyachkov, Yu.V. & Nedoev, Kh.Kh. 2021. A contribution to the centipede (Chilopoda: Geophilomorpha, Scolopendromorpha) fauna of Uzbekistan and Turkmenistan. *Ecologica Montenegrina*, 41: 41–50. DOI: 10.37828/em.2021.41.6
- Shorthouse, D.P. 2010. *SimpleMappr, an online tool to produce publication-quality point maps*. Available from: <http://www.simplemappr.net> (Accessed 18 February 2022).
- Titova, L.P. 1978. Distribution of the geophilomorph family Himantariidae Cook. in the USSR. P. 241. In: Sushchenya, L.M & Hotko, E.I (Eds.). *Problems of soil zoology, Materials of the 6th All-Union Conference, Minsk*. Nauka i Tekhnika Publ., Minsk. [In Russian]
- Zapparoli, M. 1991. Note su alcune specie di Chilopodi della regione palestinese. *Fragmenta Entomologica, Roma*, 23(1): 15–33.
- Zarei, R., Rahimian, H., Mirmonsef, H. & Bonato, L. 2020. Geophilomorpha from Alborz Mountains and a checklist of Chilopoda from Iran. *Zootaxa*, 4780(1): 132–146. DOI: 10.11646/zootaxa.4780.1.6

© **Far Eastern entomologist (Far East. entomol.)** Journal published since October 1994.

Editor-in-Chief: S.Yu. Storozhenko

Editorial Board: A.S. Lelej, S.A. Belokobylskij, M.G. Ponomarenko, V.A. Mutin, E.A. Beljaev, E.A. Makarchenko, A.V. Gorochov, T.M. Tiunova, M.Yu. Proshchalykin, S.A. Shabalin, V.M. Loktionov

Address: Federal Scientific Center of the East Asia Terrestrial Biodiversity (former Institute of Biology and Soil Science), Far East Branch of the Russian Academy of Sciences, 690022, Vladivostok-22, Russia.

E-mail: storozhenko@biosoil.ru

web-site: <http://www.biosoil.ru/fee>