



A first record of the genus *Alampes* and *A. longiusculus* (Heteroptera: Rhyparochromidae) from Kazakhstan

Первая находка рода *Alampes* и *A. longiusculus* (Heteroptera: Rhyparochromidae) для Казахстана

V.V. Rudoi & G.A. Bolbotov

В.В. Рудой, Г.А. Болботов

Valentin V. Rudoi , Altai State University, 61 Lenin Ave., Barnaul 656049, Russia. E-mail: valentin.rudoi97@gmail.com

Gleb A. Bolbotov , Katon-Karagay State National Natural Park, 115 O. Bokeev st., Katon-Karagay Village 070908, Kazakhstan. E-mail: g.bolbotov@mail.ru

Abstract. The article reports on the first record of the genus *Alampes* Horváth, 1884 and the species *A. longiusculus* Horváth, 1884 (Heteroptera: Rhyparochromidae) from Kazakhstan. The species was collected on the Kalba Ridge near the Tainty Reservoir in the East Kazakhstan Province. This finding expands the range of the species, previously known in the south of Europe, in Transcaucasia and Tajikistan, in a northeastern direction by almost 1,000 km.

Резюме. В статье сообщается о первой находке рода *Alampes* Horváth, 1884 и вида *A. longiusculus* Horváth, 1884 (Heteroptera: Rhyparochromidae) из Казахстана. Вид был собран на хребте Калба вблизи водохранилища Таинты в Восточно-Казахстанской области. Данная находка расширяет ареал этого вида, ранее известного с юга Европы, из Закавказья и Таджикистана, в северо-восточном направлении почти на 1000 км.

Key words: biodiversity, East Kazakhstan Province, Kalba Ridge, Kazakhstan, new record

Ключевые слова: биоразнообразие, Восточно-Казахстанская область, Калбинский хребет, Казахстан, новая находка

ZooBank Article LSID: CA1C3D86-1E4B-450A-9C13-3FC1D9E0FDA6

The genus *Alampes* Horváth, 1884 (Rhyparochromidae: Gonianotini) is distributed in the northern Mediterranean-Turanian region and includes two species: *A. nanulus* Seidenstücker, 1966, which is endemic to Asia Minor, and the more widely distributed *A. longiusculus* Horváth, 1884. The latter species (Fig. 1A) is known in Europe from Greece, Romania, Ukraine, and Crimea, as well as from Armenia and Azerbaijan (Kiritshenko, 1951, 1952a; Putshkov, 1969; Péricart, 1998, 2001). In Asia, it is only recorded from Tajikistan (Khovaling Village) (Kiritshenko, 1952b).

A single female of *A. longiusculus* was found in the East Kazakhstan Province on the Kalba Ridge at an elevation of 805 m above sea level near the Tainty Reservoir (49°26'44.12"N 83°03'32.97"E) by G.A. Bolbotov on 22 July 2023. It was collected on a rock ledge covered with xeromorphic vegetation: *Artemisia* sp. (Asteraceae), *Veronica pinna-ta* L. (Scrophulariaceae), *Ziziphora clinopodioides* Lam., *Thymus marschallianus* Willd. (Lamiaceae), *Aizopsis hybrida* (L.) Grulich, *Orostachys spinosa* (L.) Sweet (Crassulaceae), *Stipa capillata* L. (Poaceae), *Patrinia intermedia* Roem. et Schult. (Va-



Fig. 1. Habitus (A) and collection locality (B) of *Alampes longiusculus* Horváth, 1884 recorded from Kazakhstan. Photos by V.V. Rudoï (A) and G.A. Bolbotov (B). Scale bar: 1 mm.

lerianaceae), and *Potentilla acaulis* L. (Rosaceae) (Fig. 1B). The specimen is stored in the collection of Altai State University in Barnaul, Russia.

This record significantly expands the range of *A. longiusculus* in Asia to the northeast by almost 1,000 km from the previous record in Tajikistan and is the northeasternmost finding of both this species and the genus *Alampes*.

Acknowledgements

We are grateful to N.N. Vinokurov (Yakutsk, Russia) for verifying the identification of the species and providing valuable advice. We are also thankful to Yu.V. Dyachkov (Barnaul, Russia) for providing critical comments. The manuscript was kindly grammatically corrected by M.A. Iuzhakova (Tomsk, Russia). The research by V.V. Rudoï was funded by the state assignment of the Ministry of Science and Higher Education of the Russian Federation (project FZMW-2023-0006 “Endemic, local, and invasive arthropods (Arthropoda) of the mountains of South Siberia and Central Asia: a unique gene pool of a biodiversity hotspot”).

References

Kiritshenko A.N. 1951. True bugs of the European part of the USSR (Hemiptera). Key and bibliog-

raphy. *Opredeliteli po faune SSSR, izdavaemye Zoologicheskim institutom AN SSSR* [Keys to the fauna of the USSR, published by the Zoological Institute of the Academy of Sciences of the USSR], **42**. Moscow – Leningrad: Publishing House of the Academy of Sciences of the USSR. 423 p. (In Russian).

Kiritshenko A.N. 1952a. To the fauna of Hemiptera – Heteroptera of Crimea. IX. *Entomologicheskoye obozreniye*, **32**: 210–211. (In Russian).

Kiritshenko A.N. 1952b. New and little-known Hemiptera – Heteroptera of Tadzhikistan. *Trudy Zoologicheskogo instituta akademii nauk SSSR* [Proceedings of the Zoological Institute of the Academy of Sciences of the USSR], **10**: 140–198. (In Russian).

Péricart J. 1998. Hémiptères Lygaeidae euro-méditerranéens, 2. Systématique: seconde partie. Oxycaeninae, Bledionotinae, Rhyparochrominae (1). *Faune de France*, **84B**. Paris: Fédération Française des Sociétés de Sciences Naturelles. 453 p. + 3 pls.

Péricart J. 2001. Family Lygaeidae Schilling, 1829 – Seed bugs. In: **Aukema B. & Rieger Ch.** (Eds). *Catalogue of the Heteroptera of the Palaearctic Region*, **4**: 35–220. Amsterdam: Netherlands Entomological Society.

Putshkov V.G. 1969. Lygaeidae. *Fauna Ukrainy* [Fauna of Ukraine], **21**(3). Kyiv: Academy of Sciences of the Ukrainian SSR. 388 p. (In Ukrainian).

Received 3 December 2023 / Accepted 21 December 2023. Editorial responsibility: D.A. Gapon