



## New records of Histeridae (Coleoptera) from the Caucasus

## Новые находки Histeridae (Coleoptera) с Кавказа

D.S. Lundyshev

Д.С. Лундышев

Denis S. Lundyshev, Baranovich State University, 21 Voykova str., Baranovich 225404, Brest Prov., Belarus.  
E-mail: [lundyshevdenis@yandex.by](mailto:lundyshevdenis@yandex.by)

**Abstract.** The following four representatives of Histeridae are recorded for the first time from the territory of Abkhazia: *Plegaderus sanatus gobanzi* J. Müller, 1903, *Platysoma (Cylister) cornix* Marseul, 1861, *Margarinotus (Ptomister) terricola* (Germar, 1824), and *Gnathoncus communis* (Marseul, 1862). The first two species were found for the first time throughout the Caucasus.

**Резюме.** Следующие четыре представителя жуков-карапузиков впервые указаны для фауны Абхазии: *Plegaderus sanatus gobanzi* J. Müller, 1903, *Platysoma (Cylister) cornix* Marseul, 1861, *Margarinotus (Ptomister) terricola* (Germar, 1824) и *Gnathoncus communis* (Marseul, 1862). Первые два вида найдены на Кавказе впервые.

**Key words:** new faunistic records, Abkhazia, Caucasus, clown beetles, Coleoptera, Histeridae

**Ключевые слова:** новые фаунистические находки, Абхазия, Кавказ, жуки-карапузики, Coleoptera, Histeridae

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## Introduction

Our knowledge on Histeridae distributed in the Caucasus territory has received a significant boost recently (Lundyshev, 2015, 2017; Kalashian & Fahradyan, 2017). Despite the new records, we estimate the species count in the region to further increase. The ecological features of the species occurring in this region also require further study. In the present paper, new data on the distribution of four representatives of Histeridae in Abkhazia are given: *Plegaderus (Plegaderus) sanatus gobanzi* J. Müller, 1903 and *Platysoma (Cylister) cornix* Marseul, 1861, both are recorded for the first time from the Caucasus region, and *Gnathoncus com-*

*munis* (Marseul, 1862) and *Margarinotus (Ptomister) terricola* (Germar, 1824), both of which are recorded for the first time from Abkhazia.

## Material and methods

The material for this study has been collected in Abkhazia in 2018. Standard methods of collecting beetles were used, including sifting of bird nests and soil; specimens were likewise collected manually. More than 1450 specimens of Histeridae were collected and identified using the key of Kryzhanovskij & Reichardt (1976). The general distribution of the species has been extrapolated from the Catalogue of Palearctic Coleoptera (Lackner et al., 2015). The specimens examined are depo-

sited in the private collection of D.S. Lundyshv (Baranovich, Belarus).

Family **Histeridae** Gyllenhal, 1808

Subfamily **Abraeinae** W.S. Macleay, 1819

Tribe **Plegaderini** Portevin, 1929

***Plegaderus (Plegaderus) sanatus gobanzi***

J. Müller, 1903

*Material examined.* **Abkhazia:** near Tsandripsh town, forest, 43.371398°N 040.104707°E, under bark of *Pinus brutia* var. *pityusa* (Steven) Silba, 5 July 2018, (M. Lundyshva leg.), 1 male.

*Distribution.* *Plegaderus sanatus* Truqui, 1852 is a Palaearctic species. The nominative subspecies was recorded from Southern Europe and North Africa (Algeria and Morocco). The subspecies *P. sanatus gobanzi* occurs in Southern and Northern (Sweden) Europe and, according to Kryzhanovskij & Reichardt (1976), seems to be associated with mountains. New record for Abkhazia and the region of Caucasus as a whole.

Subfamily **Histerinae** Gyllenhal, 1808

Tribe **Histerini** Gyllenhal, 1808

***Margarinotus (Ptomister) terricola***

(Germar, 1824)

*Material examined.* **Abkhazia:** near Mt. Ah-Ag, H=1800 m, 43.494917°N 040.214933°E, at human excrement, 12 June 2018, (D. Lundyshv leg.), 10 males, 2 females.

*Distribution.* The species is widely distributed over Europe. It was also recorded from Southwestern Asia (Armenia, Azerbaijan, Turkey and Iran). New record for Abkhazia.

Tribe **Platysomatini** Bickhardt, 1914

***Platysoma (Cylister) cornix*** Marseul, 1861

*Material examined.* **Abkhazia:** near Tsandripsh town, forest, 43.371398°N 040.104707°E, under bark of *Pinus brutia* var. *pityusa*, 5 July 2018, (D. Lundyshv leg.), 1 male, 4 females; idem, but 8 July 2018, (M. Lundyshva, D. Lundyshv leg.), 6 males, 8 females.

*Distribution.* The species has so far been known from Southeastern Europe (Greece) and Southwestern Asia (Syria, Israel, Cyprus, Lebanon and

Turkey). New record for Abkhazia and the Caucasus as a whole.

Subfamily **Saprininae** C.É. Blanchard, 1845

***Gnathoncus communis*** (Marseul, 1862)

*Material examined.* **Abkhazia:** Tsandripsh town, in henhouse, 43.378959°N 040.084290°E, at chicken manure, 13 June 2018, (D. Lundyshv leg.), 1 male.

*Distribution.* *G. communis* is a widespread nidicolous species and a typical synanthrope, often found in anthropogenic settings. Its range extends across Europe, North Africa (Egypt, Tunisia), and Asia (Kazakhstan, Russian Far East and Japan). It was also reported from Australian and Nearctic regions. New record for Abkhazia.

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