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NEW DATA ON LITTLE-KNOWN CRIMEAN ENDEMIC  
SPECIES *HYDRAENA JAILENSIS* BREIT, 1917  
(COLEOPTERA, HYDRAENIDAE)

*Шатровський, О. Г.* Нові дані про маловідомий кримський ендемічний вид *Hydraena jailensis* Breit, 1917 (Coleoptera, Hydraenidae) [Текст] / О. Г. Шатровський // Вісті Харк. ентомол. тва. — 2014. — Т. XXII, вип. 1. — С. 60–62.

Наданий диференційований діагноз із зображенням геніталій самця маловідомого кримського ендеміка *Hydraena jailensis* Breit, 1917. Наведені нові дані про поширення. 2 рис., 4 назви

**Ключові слова:** *Hydraena jailensis*, діагноз, геніталії самця, екологія, поширення.

*Шатровский, А. Г.* Новые данные о малоизвестном крымском эндемичном виде *Hydraena jailensis* Breit, 1917 (Coleoptera, Hydraenidae) [Текст] / А. Г. Шатровский // Изв. Харьк. энт. о-ва. — 2014. — Т. XXII, вып. 1–2. — С. 60–62.

Дан дифференцированный диагноз с изображением гениталий самца малоизвестного крымского эндемика *Hydraena jailensis* Breit, 1917. Приведены новые данные о распространении.

**Ключевые слова:** *Hydraena jailensis*, диагноз, гениталии самца, распространение.

2 рис., 4 назв.

*Shatrovskiy, A. G.* New data on little-known Crimean endemic species *Hydraena jailensis* Breit, 1917 (Coleoptera, Hydraenidae) [Text] / A. Shatrovskiy // The Kharkov Entomological Society Gazette. — 2014. — Vol. XXII, Is. 1–2. — P. 60–62.

Differential diagnosis with the image of male genitalia for little-known Crimean endemic *Hydraena jailensis* Breit, 1917 is given. New data of distribution is placed. 2 figs., 4 refs.

**Keywords:** *Hydraena jailensis*, diagnosis, male genitalia, distribution.

Crimean species *Hydraena jailensis* Breit, 1917, mentioned in the Catalogues of Palearctic (Jäch, 2004) and of the World Fauna (Hansen, 1998), is known for most of researchers only by first description lacking figures (Breit, 1917). However diagnostic characters are proposed distinctly here. I had kept some specimens of *H. jailensis* in Crimea, and afterwards found large material in collection of Museum of Nature of V. N. Karazin National University in Kharkiv. All these specimens answered the description of *H. jailensis*.

**Material and methods.** The mounted material was studied and sketched under the binocular microscope MBS-9. Aedeagophore of males were prepared and placed in glycerin. Images were done in the passing light by microscope Levenhuk D320L stocked digital camera C310T NG. Separate images were linked by the program “Helicon Focus Pro 5.3.11.3”. Distributional map made with the program “Google Maps”.

***Hydraena jailensis* Breit, 1917:**

**Differential diagnosis.** Differs from widely distributed species *H. riparia* Kugelann, 1794 by more flattened form of body, less shining upper surface, shorter terminal segment of maxillary palpi and more density and small punctures of elytral rows. Male genitalia (aedeagophore) is very distinctive and characteristic (fig. 1).

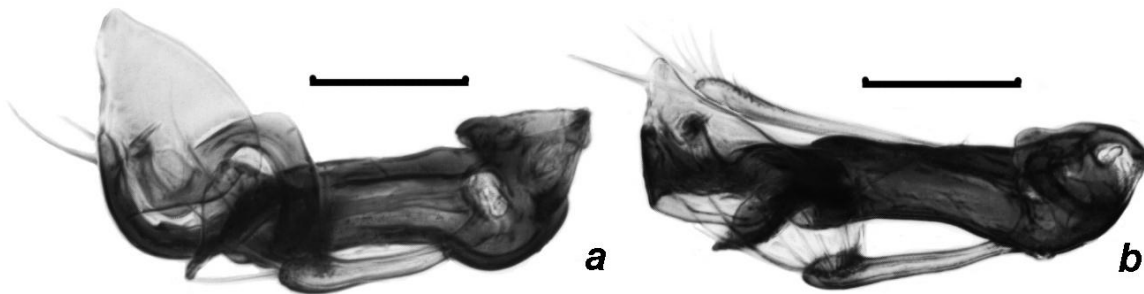


Figure 1 — Aedeagophore of *H. jailensis*: a – lateral view, b — ventral view (scale: 0,1 mm)

**Material.** 1♂, 2♀, 16 specimens, 28.VII.1992, Crimea: Generalskoe 6 km NW, canyon Haphal, creek, a tributary of the river Ulu-Uzen', 650 m, 44°48'29"N, 34°26'49"E ca. (A. Shatrovskiy); 1♂, 13.IV.1993, Crimea: Kara-Dag, Kurortnoye 5 km E, creek, on the rocks overgrown with Algae, 100 m, 44°55'17"N, 35°12'47"E ca. (A. Droghvalenko); 56 specimens, 29.IV.1998, Crimea: Karabi-Yayla, canyon Karasu-Bashi, river Biyuk-Karasu, among trees in the water, in coarse sand, 250 m, 44°58'48"N, 34°36'31"E ca. (S. Stolyar); 1♂, 7♀, 6 specimens, 29.IV.1998, l. c., in decayed leaves in the water, (S. Stolyar); 5 specimens, 30.IV.1998, l. c., in decayed leaves in the water, (S. Stolyar); 1♂, 4♀, 15 specimens, 30.IV.1998, l. c., in decayed leaves and small pebbles in the water, (S. Stolyar); 1♂, 4♀, 30.IV.1998, l. c., in coarse sand in the water, (S. Stolyar); 3 specimens, 02.V.1998, l. c., pool, pH = 8 (S. Stolyar); 3 specimens, 02.V.1998, l. c., pool, pH = 8 (S. Stolyar); 6 specimens, 03.V.1998, l. c., brackish lake, on filamentous algae (S. Stolyar).

**Distribution.** *H. jailensis* is endemic of Crimean Mountains. In first description it provided for "Jaila-Gebirge in der Krim". Jäch et al. (2007) mentioned it for "River Kokkozka, ca. 4 km SSE Sokolinoo" together with described new species *H. chersonesica*. This is most western location for today, placed into fig. 2.

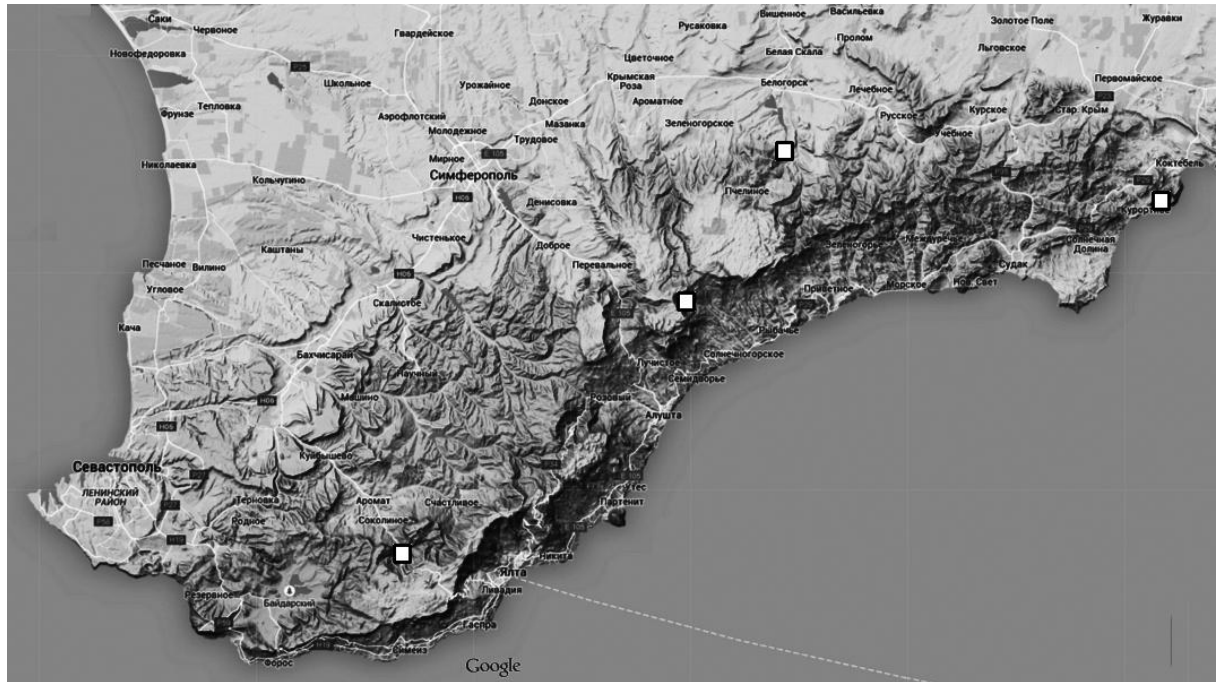


Figure 2 — Distribution of *H. jailensis* in the Crimean Mountains  
(west point of locality: Jäch et al., 2007)

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