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***Lymnastis* of Ukraine with the redescription of *Lymnastis novikovi* (Coleoptera: Carabidae)**

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Abstract

The rare species *Lymnastis novikovi* Michailov, 1998, described from the single female specimen collected in Ukraine, is redescribed on the basis of new material. We provide the illustrations of the general habitus, the median lobe and its internal sac and describe the habitat of *L. novikovi*, to increase information about this species. A key to European *Lymnastis* species is given. The current distribution of *Lymnastis galilaeus* Piochard de la Brûlerie, 1876 and *L. novikovi* in Ukraine is described.

Key words: Carabidae, Bembidiini, *Lymnastis*, redescription, new records, Ukraine, key

Introduction

The genus *Lymnastis* Motschulsky, 1862 includes ca. 40 species (Lorenz 2005). Jeannel (1932) last revised the genus and regional keys to the species from different regions were added by Andrewes (1935), Darlington (1962) and Stork (1986). New species of *Lymnastis* were described by Baehr (2003, 2008), Magrini (2010) and Magrini and Wrase (2012).

According to the literature eleven species of *Lymnastis* occur in Europe: *L. angelinii* Magrini, 2010, *L. croaticus* Székessy, 1938, *L. dieneri* Székessy, 1938, *L. galilaeus* Piochard de la Brûlerie, 1876, *L. luigionii* Doderò, 1899, *L. niloticus* Motschulsky, 1862, *L. novikovi* Michailov, 1998, *L. paladinii* Magrini, 2010, *L. poggii* Magrini, 2010, *L. schuelkei* Magrini & Wrase, 2012, and *L. tesquorum lutchniki* Arnoldi & Kryzhanovskij, 1964 (Arnoldi & Kryzhanovskij 1964; Michailov 1998; Kopecký 2003; Magrini 2010; Magrini & Wrase 2012).

Although, *L. galilaeus* is cited in the Catalogue of Palaearctic Coleoptera (Kopecký 2003), it was not recorded for Ukraine, however Solodovnikov (2001) noted this species from Crimea in 1965. Another species, *L. novikovi* Michailov, 1998, was described from a single female specimen collected in Ukraine, but it was not also included in the above mentioned catalogue nor cited by Magrini (2010).

In this paper *L. novikovi* is redescribed based on the study of both the holotype and recently collected new material. We also discuss the distribution and ecology of *L. novikovi* and *L. galilaeus* in Ukraine, and provide illustrations, photographs, a distribution map, and a key to seven species of European *Lymnastis*.

Material and methods

The studied materials have been deposited in the following institutions and private collections: Kharkiv Entomological Society, Kharkiv, Ukraine (cKES); Schmalhausen Institute of Zoology of NAS of Ukraine, Kyiv, Ukraine (SIZK); private collection by A. V. Gontarenko, Odessa, Ukraine (cGon); private collection by S. V. Kononov, Trekhizbenka, Ukraine (cKon).