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Two new species of the genus *Anthroherpon* Reitter, 1889 from northern Montenegro with notes on the "*A. ganglbaueri*" species group (Coleoptera: Leiodidae: Leptodirini)

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Abstract

Two new species of *Anthroherpon* belonging to the "*ganglbaueri*" species group are described from northern Montenegro: *Anthroherpon sinjajevina* **n. sp.** and *Anthroherpon cecai* **n. sp.** Based on morphological investigations of other species of this group, we elevate *A. udrzali* Giachino & Vailati from subspecies to species rank, and suggest the synonymy of *A. brckoensis* Giachino & Guéorguiev with *A ganglbaueri alticola* Knirsch. An identification key of the *ganglbaueri* species group (*sensu* Guéorguiev, 1990) is given and the distributions of species and subspecies are mapped and discussed.

Key words: Coleoptera, Anthroherponina, Leptodirini, *Anthroherpon, sinjajevina* sp. n, *cecai* sp. n, troglobitic species, taxonomy, Montenegro

Introduction

The genus *Anthroherpon* Reitter, 1889 belongs to the tribe Leptodirini, subtribe Anthroherponina which was recently revised (Perreau & Pavićević, 2008). The genus comprises 27 species and 62 subspecies (Perreau, 2004) divided into seven species groups (Guéorguiev, 1990). Most of species have been described in the late XIXth century or the first half of the XXth century (Apfelbeck, 1889; 1894; 1907; Reitter, 1903; 1908; 1911; 1913; Müller, 1910; Matcha, 1916; Jeannel, 1924; 1930; 1934; 1947; Winkler, 1925; 1938; Knirsch, 1927, 1929; Zariquiey, 1927). After a break of several decades due to political conditions, new collections were performed and several new species and subspecies were subsequently described (Giachino & Guéorguiev, 1993; Giachino & Vailati, 2005). Synthetic revisions of *Anthroherpon* have been undertaken by Jeannel (1924, 1930) and Guéorguiev (1990).

The genus is widely distributed in subterranean habitats of the southern Dinaric range: South Croatia, Bosnia and Herzegovina, Montenegro, south Serbia and north Albania. This European region is known as the major hotspot of biodiversity in the world for subterranean fauna, not only for Coleoptera but also for most of zoological groups (Deharveng & al., 2012). The genus *Anthroherpon* shows the most pronounced troglobiomorphic morphological characters not only among Leptodirini but also among subterranean Coleoptera: extremely long appendages, extreme elongation of the fore-body (head and pronotum), hemispherical elytra, and complete anophthalmy.

The "*ganglbaueri*" species group was introduced by Guéorguiev (1990) from the reinterpretation of Jeannel's "sectio I" and "sectio II" (Jeannel, 1924). The group is defined by the following set of characters: pronotum without annular constriction in the last third of its length, sides of pronotum sinuate in the basal half, protarsi more than half as long as protibiae, profemorae not enlarged in the basal parts, last antennomere longer than the penultimate and body length above 5 mm. Presently it contains four species: *A. brckoensis* Giachino & Guéorguiev,

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