

**A NEW SUBSPECIES OF *APHAENOPS (ADRIAPHAENOPS)*
ZUPCENSE PAVIĆEVIĆ, 1990 FROM DURMITOR,
MONTENEGRO (COLEOPTERA, CARABIDAE, TRECHINAE)**

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The description of the new subspecies *Aphaenops (Adriaphaenops) zupcense tartariensis* from the pit "Jama na Vjetrenim Brdima" on Mountain Durmitor, Montenegro, is given.

KEY WORDS: Carabidae, Trechinae, *Aphaenops zupcense tartariensis* ssp. n., troglobiont, Durmitor, Montenegro.

Mountain Durmitor is situated in north-eastern Montenegro, belonging to the southern Dinaric range. In this area there is a great number of caves and pits, harbouring a very rich troglobiontic fauna, as demonstrated in a previous paper (PAVIĆEVIĆ *et al.*, 1999). In the present contribution, the description of a new subspecies of the highly evolved Trechinae beetle, *Aphaenops zupcense* Pavićević, 1990 is given. The nominotypical form was described from the cave at the locality "Zupci" (2000 m). The new subspecies was collected in the pit "Jama na Vjetrenim Brdima", situated at another part of Durmitor massif, about 2,250 m aerial distance from Zupci. Its entrance is situated at 2,196 m, and it is one of the deepest pits in the Balkans.

The fauna of this pit was explored during the realization of a large-scale research programme on the fauna of Durmitor Mt., jointly organized by the Montenegrin Academy of Sciences and Arts and the (former) Yugoslav Entomological Society, initiated in 1980. Within this programme, the members of the Speleological Section of the Mountaineering Club of Belgrade (Yugoslavia) visited the pit from July 19 to 29, 1991, led by the author of this contribution. In the preceding years, speleologists from Belgrade and Zagreb (Croatia) explored this pit for the first time, and descended to the depth of 900 m, where they were stopped by a siphon.

The most interesting result of the biospeleological exploration of this pit was the discovery of a highly evolved Leptodirini beetle, belonging to a new genus and a new species (NONVEILLER & PAVIĆEVIĆ, 1999). In addition, we found a plenty of drowned troglobiontic insects in a jar found at about 300 m from the entrance, left behind during the earlier speleologists' visit. They were partly disintegrated, due to a long sojourn in the water that filled the jar, draining from the pit walls. Among

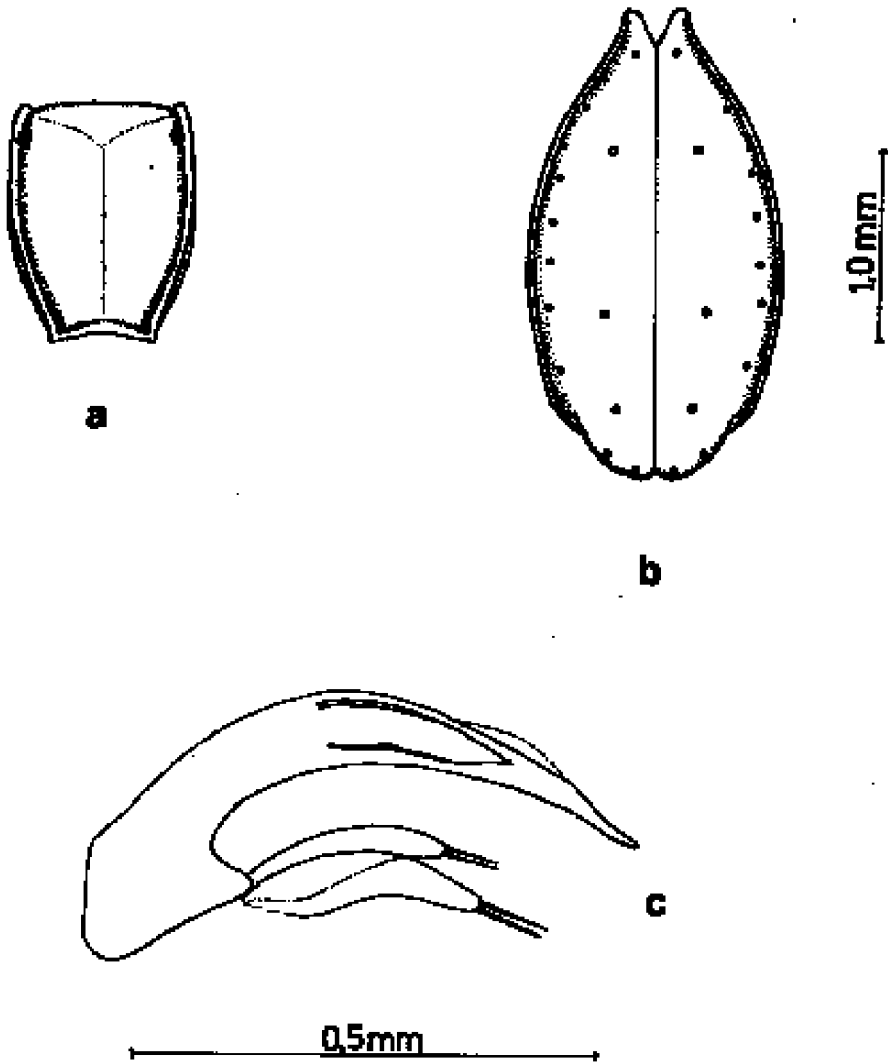


Fig. 1. *A. (Adriaphaenops) zupcense tartariensis*: a - pronotum; b - elytrae; c - aedeagus.

them we found four specimens of the trechinae beetle that apparently belongs to *A. zupcense*. When we compared the specimens from the pit (at "Vjetrena Brda") with those from the cave (at "Zupci"), some differences were established, sufficient for the recognition of a new subspecies, hereby described.

***Aphaenops (Adriaphaenops) zupcense tartariensis* ssp. n.**

Length 3.5 to 4.2 mm (smaller than the nominotypical subspecies). Pronotum (Fig. 1) shorter; elytrae significantly narrower than *z. zupcense* (Fig. 2), so that the insect appears notably more slender.

The aedaeagus differs from that of the nominotypical subspecies by the more curved inferior margin (Fig. 3).

Derivatio nominis: *Tartaros*, in the Greek mythology is the bottom of the hell, the prison of the titans in the darkness.

Holotype: male, Montenegro, Durmitor Mt., Jama na Vjetrenim Brdima ("Pit on the Windy Hills"), 2196 m (entrance), 23-VI-1991 (leg. S. Ognjenović).

Paratypes: three male specimens (same data). The holotype is deposited in the collections of the Institute of Nature Protection of Serbia, Belgrade, the paratypes are in author's collection.

It is interesting to mention that, so far, the females of this species were not found, although we examined the total of 10 specimens.

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**НОВА ПОДВРСТА *APHAENOPS (ADRIAPHAENOPS) ZUPCENSE*
PAVIĆEVIĆ, 1990 СА ДУРМИТОРА, ЦРНА ГОРА
(COLEOPTERA, CARABIDAE, TRECHINAE)**

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У раду се даје опис нове подврсте високо еволуиране трехине, *Aphaenops (Adriaphaenops) zupcense tartariensis*, из јаме на Вјетреним брдима на планини Дурмитор.

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