

UDK 595.4

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**SECOND CONTRIBUTIONS TO THE KNOWLEDGE OF HALACARID MITES (ACARI: HALACAROIDEA) FROM YUGOSLAVIA: THE FIRST FINDING OF *PARASOLDANELLONYX TYPHLOPS* VIETS, 1933, AND NEW DATA OF *SOLDANELLONYX CHAPPUISI* WALTER, 1917
*DRUGI PRILOG POZNAVANJU HALAKARIDNIH GRINJA (ACARI: HALACAROIDEA) JUGOSLAVIJE: PRVI NALAZ PARASOLDANELLONYX TYPHLOPS VIETS, 1933, I NOVI PODACI O SOLDANELLONYX CHAPPUISI WALTER, 1917***

Abstract

Parasoldanellonyx typhlops Viets, 1933, is recorded for the first time in Serbia; new data on the distribution of *Soldanellonyx chappuisi* Walter, 1917, from Crna Gora, are given.

Key words: *Parasoldanellonyx typhlops*, *Soldanellonyx chappuisi*, halacarid mites, Yugoslavia.

Izvod

Vrsta *Parasoldanellonyx typhlops* Viets, 1933, registrovana je po prvi put za Srbiju; novi podaci o rasprostranjenju vrste *Soldanellonyx chappuisi* Walter, 1917, dati su iz Crne Gore.

Ključne riječi: *Parasoldanellonyx typhlops*, *Soldanellonyx chappuisi*, halakaridne grinje, Jugoslavija.

INTRODUCTION

During a survey of the interstitial fauna in Yugoslavia conducted by Dr. T. Karanović, several species of halacarid mites (Acari: Halacaroidea) were collected, including *Parasoldanellonyx typhlops* Viets, 1933 (present paper) and *Soldanellonyx chappuisi* Walter, 1917 (Pešić & Petrović, 2002; present paper).

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All specimens are deposited in the Halacaridae collection at the Department of Biology in Podgorica.

Acknowledgements: We are very thankful to Dr. Gordan S. Karaman (Faculty of Sciences, Podgorica) and Dr. Tomislav Karanović (Perth, Australia) for loan of material used in this study.

RESULTS

Parasoldanellonyx typhlops Viets, 1933

(Figs. 1-3)

The species is widespread, although rare, known in Europe from Belgia to Italy and Romania; in the Balkans previously reported only from Macedonia (Viets, 1933, 1935) and Bulgaria (Petrova, 1966). In Figs. 1-3 we give some morphological details of the specimens from Fruska Gora, which represent the first record of the species in Yugoslavia.

Material examined: Serbia, SR12 Fruska Gora near Novi Sad, interstitial waters, 08.09.1991, leg. Karanović, one female.

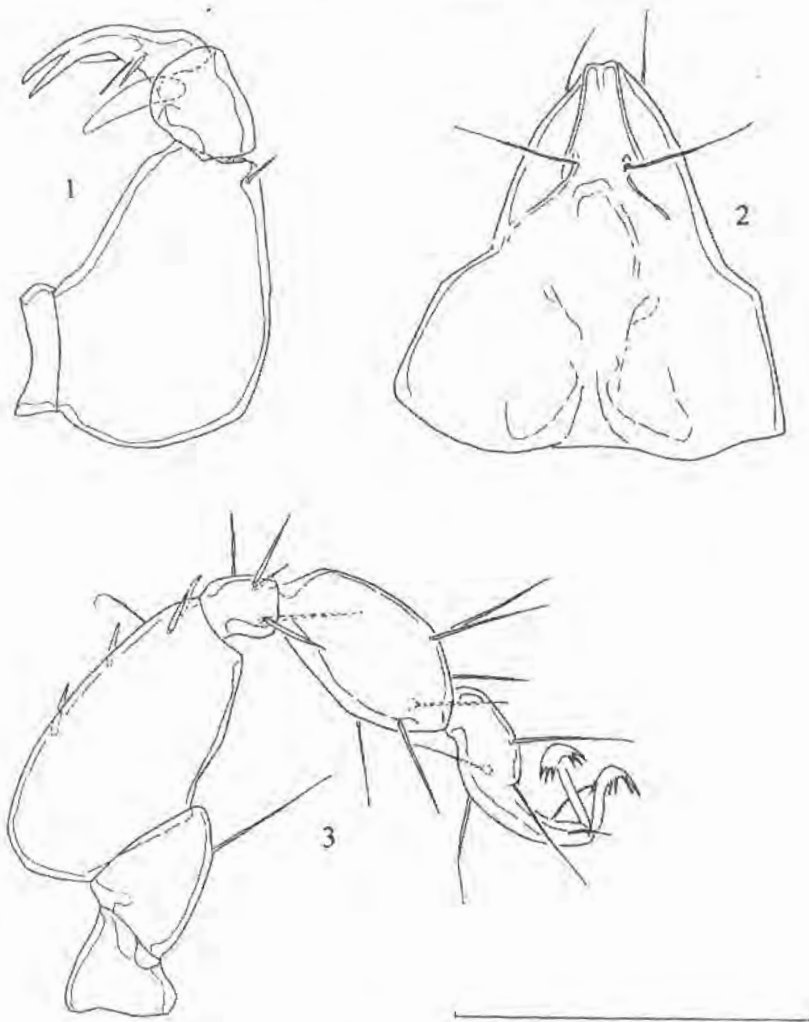
Soldanellonyx chappuisi Walter, 1917

The species is widespread in Europe, Asia and N-America. Pešić & Petrović (2002) reported the species *Soldanellonyx chappuisi* Walter, 1917, from cave «Omanska pećina» near the village Gornjani (Bor, Serbia), for the first time for the fauna of halacarid mites of Serbia.

In the following, we give additional data from Crna Gora for this species: CG82 Nikšić (NK), cave «Velja Pećina» near Budoš, 07.07.1996, leg. G.S.Karaman 2 female; CG93 Crmnica (BR), cave «Strugarska Pećina», 06.02.1997, leg. Karanović, one male; CG85a Crmnica (BR), cave «Grbočica» near village Trnovo, 02.02.1997, leg. Karanović 2 female; CG86 the Plavsko Jezero-Lake (BE), interstitial, 18.02.1995, leg. Karanović, one female, one nymph; CG95 Grahovo (NK), cave «Dakovića Pećina», 07.09.2000, leg. Pešić, one male.

CONCLUSIONS

The species *Parasoldanellonyx typhlops* Viets, 1933 (Acari: Halacaroida) was recorded for the first time in Serbia, from interstitial waters of Fruska Gora. On basis of material collected from Crna Gora new data on the distribution of *Soldanellonyx chappuisi* Walter, 1917, are given.



FIGURES. 1-3. *Parasoldanellonyx typhlops* Viets, 1933, Fruška Gora, interstitial waters, female: 1 – palp; 2 – gnathosoma; 3 – first leg. Scale bar = 0.1 mm.

REFERENCES

Petrova, A. (1966). Hydrachnelles et Limnohalacarides d un puits de la Bulgarie du Nord.Ouest (village Gorni Čiflik, district de Belogradčik). *Fragm. Balcanica, Mus. Mac. Sci. Natur.*, 5: 140-143.

Pešić, V. & Petrović, D. (2002). First records of *Soldanellonyx chappuisi* Walter, 1917 (Acari, Limnohalacaridae) from cave «Omanska

pećina» (Bor, Gornjani) in fauna of Yugoslavia. *Ekološka Istina* X: 33-34. [in Serbian].

Viets, K. (1933). Vierte Mitteilung über Wassermilben aus unterirdischen Gewässern (Hydrachnellae et Halacaridae, Acari). *Zool. Anz.*, 102 (11-12): 277-288.

Viets, K. (1935). Wassermilben aus unterirdischen Gewässern Jugoslawiens. *Verh. Int. Ver. Limnol.*, 7: 74-86.

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HALACAROIDEA) JUGOSLAVIJE: PRVI NALAZ
PARASOLDANELLONYX TYPHLOPS VIETS, 1933, I NOVI PODACI
O SOLDANELLONYX CHAPPUISI WALTER, 1917**

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Rezime

Vrsta *Parasoldanellonyx typhlops* Viets, 1933, je po prvi put registrovana za faunu halakaridnih grinja Srbije iz podzemnih voda Fruške Gore; novi podaci o rasprostranjenju vrste *Soldanellonyx chappuisi* Walter, 1917, dati su na osnovu materijala iz Crne Gore