

**NEW RECORDS OF WATER MITES (ACARI: HYDRACHNIDIA) FROM SPRINGS AND RUNNING WATERS IN MACEDONIA. V. M. Pešić.** *Department of Biology, Faculty of Sciences, University of Montenegro, 81000 Podgorica, Serbia and Montenegro*

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The present paper deals with interesting new records of water mites (Acari, Hydrachnidia) from springs and running waters of the Kožuf and Alšar Mountains (Southern Macedonia). In the paper 12 new species are added to the list of water mites known from Macedonia, and one of them is recorded for the first time for the water mite fauna of the Balkan Peninsula. The water mite fauna of Macedonia is thus represented by 154 species, belonging to 45 genera. Slide-mounted specimens and material preserved in fluid are lodged in the collection of the author. The following abbreviations are used: I-L-6 = sixth segment of first leg; S-1/2 = setae at I-L-5; (1/2/3) = one male, two females, three deutonymphs.

The list of established water mite species in Macedonia is as follows (taxa new for Macedonia are marked with a single asterisk, while the one new for the Balkans is marked with two asterisks):

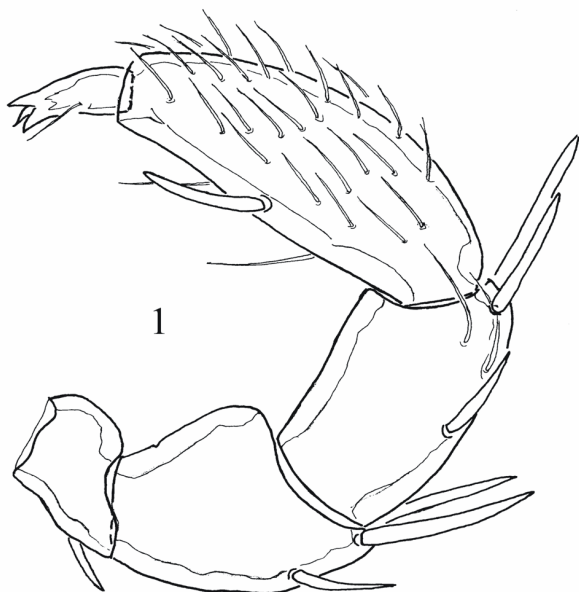


Fig. 1. *Atractides protendens* K.O.Viets, 1955, male: 1 = palp; 2 = I-L-5/6.

HYDRYPHANTIDAE

*Paniscus torrenticolus* (Piersig, 1898)

Material examined: Mt. Kožuf, Džibarice, rheohelocrenic spring, 20.07.2004, leg. V. Pešić (0/1/0).

*Protzia rotunda* (Walter, 1908)

Material examined: Mt. Kožuf, Džibarice, rheohelocrenic spring, 20.07.2004, leg. V. Pešić (1/0/0).

HYDRODROMIDAE

*Hydrodroma reinhardi* (Pešić, 2002)

Material examined: Mt. Kožuf, Veliki Vir, a tributary of the Kanska River, 22.07.2004, leg. V. Pešić (0/0/2).

SPERCHONTIDAE

*Sperchon papillosus* (Thor, 1901)

Material examined: Mt. Alšar, a stream near the village of Mejdán, 15.07.2004, leg. V. Pešić (1/0/0).

*Sperchon glandulosus* (Koenike, 1886)

Material examined: Mt. Kožuf, Džibarice, rheohelocrenic spring, 20.07.2004, leg. V. Pešić (1/7/0).

*Sperchon mutilus* (Koenike, 1895)

Material examined: Mt. Kožuf, Džibarice, rheohelocrenic spring, 20.07.2004, leg. V. Pešić (2/1/0).

*Sperchonopsis verrucosa* (Protz, 1896)

Material examined: Mt. Alšar, a stream near the village of Mejdán, 15.07.2004, leg. V. Pešić (1/0/0).

LEBERTIIDAE

*Lebertia stigmatifera* (Thor, 1900)

Material examined: Mt. Kožuf, Džibarice, helocrenic spring, 19.07.2004, leg. V. Pešić (3/7/0).

TORRENTICOLIDAE

*Pseudotorrenticola rhynchota* (Walter, 1907)

Material examined: Mt. Alšar, a stream near the village of Mejdán, 15.07.2004, leg. V. Pešić (1/0/0).

*Monatractides madritensis* (K. Viets, 1930)

Material examined: Mt. Alšar, a stream near the village of Mejdán, 15.07.2004, leg. V. Pešić (1/0/0).

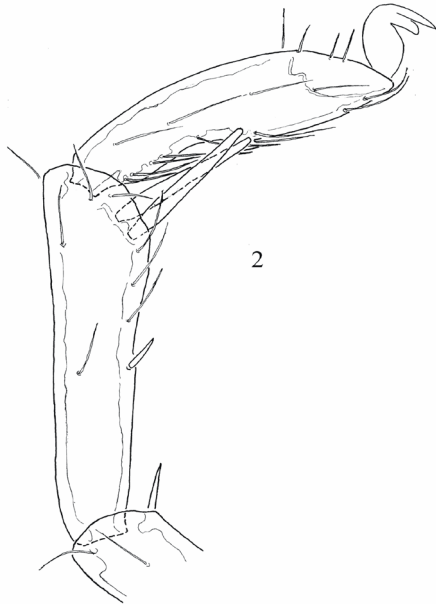


Fig. 2. *Atractides protendens* K.O.Viets, 1955, male: 1 = palp; 2 = I-L-5/6. Bar = 0.1 mm.

*Torrenticola anomala* (Koch, 1837)

Material examined: Mt. Alšar, a stream near the village of Mejdán, 15.07.2004, leg. V. Pešić (1/0/0).

HYGROBATIDAE

*Hygrobates fluviatilis* (Ström, 1768)

Material examined: Mt. Kožuf, Veliki Vir, a tributary of Kanska river, 22.07.2004, leg. V. Pešić (2/1/0).

*Hygrobates longiporus* (Thor, 1898)

Material examined: Mt. Kožuf, Veliki Vir, a tributary of the Kanska River, 22.07.2004, leg. V. Pešić (2/1/0).

*Hygrobates calliger* (Piersig, 1896)

Material examined: Mt. Kožuf, Veliki Vir, a tributary of the Kanska River, interstitial dig, 22.07.2004, leg. V. Pešić (1/0/0).

*Hygrobates norvegicus* (Thor, 1897)

Material examined: Mt. Kožuf, Dve Uši, rheohelocrenic spring,

21.07.2004, leg. V. Pešić (5/3/0).

*Atractides nodipalpis* (Thor, 1899)

Material examined: Mt. Kožuf, the Kanska River, 23.07.2004, leg. V. Pešić (0/1/0).

*Atractides lunipes* (Lundblad, 1956)

Material examined: Mt. Kožuf, Veliki Vir, a tributary of the Kanska River, interstitial dig, 22.07.2004, leg. V. Pešić (0/1/0).

*Atractides protendens* (K. O. Viets, 1955) (Figs. 1-2)

Material examined: Mt. Alšar, a stream near the village of Mejdán, 15.07.2004, leg. V. Pešić (1/0/0).

*Remarks:* In the combination of a lineated integument, a thickened I-L-6, short S-1 and -2 of equal shape, and narrow setal interspace, the Macedonian specimen shows a general conformity with *Atractides protendens* K. O. Viets, 1955. According to Gerecke (2003), *A. protendens* is a crenobiont. However, the new record presented here suggests that *A. protendens* is a rhibiont.

*Atractides acutirostris* (Motas and C. Angelier, 1927)

Material examined: Mt. Kožuf, Veliki Vir, a tributary of the Kanska River, 22.07.2004, leg. V. Pešić (0/1/0);

ATURIDAE

*Woolastookia rontudifrons* (Viets, 1922)

Material examined: Mt. Alšar, a stream near the village of Mejdán, 15.07.2004, leg. V. Pešić (1/0/0).

MIDEOPSIDAE

*Mideopsis roztsensis* (Biesiadka and Kowalik, 1979)

Material examined: Mt. Kožuf, Veliki Vir, a tributary of the Kanska River, 22.07.2004, leg. V. Pešić (4/3/0); Mt. Kožuf, the Kanska River, 23.07.2004, leg. V. Pešić (2/0/0).

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*References:* - Gerecke, R. (2003). *Zoological Journal of the Linnean Society*, **138**, 141-378, London.