

Malformation of the male genitalia of *Ptilocolepus colchicus* MARTYNOV, 1923 found in Turkey (Trichoptera, Ptilocolepidae)

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**Abstract.** A malformation of the male genitalia of a specimen of *Ptilocolepus colchicus* MARTYNOV, 1923 is described and illustrated. The specimen was collected from northwestern Turkey and was probably a hybrid of *Ptilocolepus dilatatus* MARTYNOV, 1913.

**Key words.** Malformation, Trichoptera, *Ptilocolepus*, hybrid, Turkey.

Several types of malformations seen in the genitalia of Trichoptera species were described (MALICKY, 2014); however, a different malformation seen on a probable hybrid specimen is described for the first time. In northwestern Turkey, two species of the genus *Ptilocolepus* occur in several localities in the Alaplı District in Zonguldak rovince (SIPAHILER, 2014) but they are found sympatrically in one locality. Five males of *P. colchicus* were collected at 690 m altitude, one of which shows malformation of the male genitalia (Figures 1-3), namely a pair of asymmetrical inferior appendages with a pair of phallic apparatus located on each side; a large and long plate is found between them, which is nearly triangular and possesses two oval lobes at the tip resembling the dorsal lobes of *Ptilocolepus dilatatus* MARTYNOV, 1913, (Fig. 4).

Material examined. Turkey, Zonguldak, Alaplı, Bacaklı direction, 690 m, 41°04'N, 31°39'E, 16.8.2011, 4 normal males, 1 hybrid male, 1 female, leg. and coll. Sipahiler.

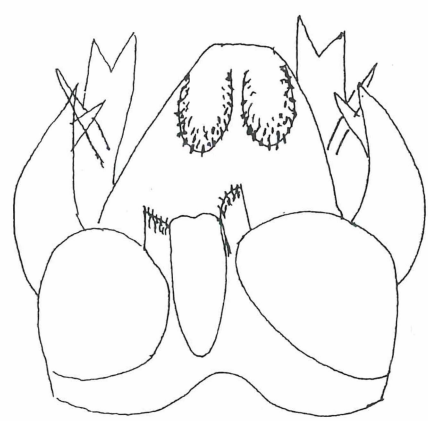
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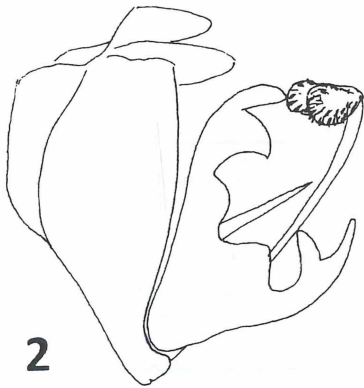
SIPAHILER, F., 2014, Two new species of the genus *Adicella* McLACHLAN with the faunistic list of Zonguldak and Karabük Provinces in Turkey (Trichoptera, Leptoceridae). Munis Entomology & Zoology, 9 (1): 542-553.

Figs. 1-3: Malformation of the male genitalia of *Ptilocolepus colchicus*: 1, dorsal; 2, lateral; 3, ventral.

Fig. 4: *Ptilocolepus dilatatus*: dorsal view.



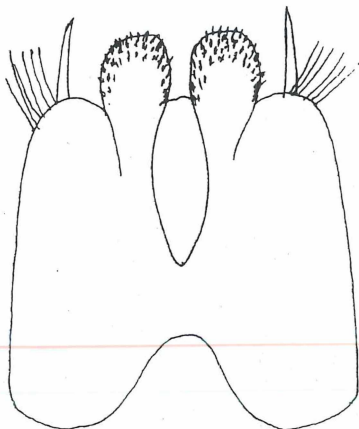
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