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A redescription of *Anurida elipsoides* STACH, 1949*
(Collembola: Neanuridae)

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ABSTRACT. *Anurida elipsoides* STACH, 1949 is redescribed. *Anurida brunsvigiensis* HÜTER, 1964 is a junior synonym of *A. elipsoides*.

Key words: Entomology, taxonomy, new species, *Collembola*, *Neanuridae*.

Thanks to the kindness of Dr Wanda WEINER from the Polish Academy of Sciences in Cracow we had an opportunity to examine type material of *Anurida elipsoides* STACH, 1949. We found distinct differences between STACH's original description and the type material. This induced us to redescribe the species.

***Anurida elipsoides* STACH, 1949**

Type material: lectotype - ♂, paralectotypes - ♂ on slide, 5 specimens in alcohol, Dublany near Lwów, Ukraine, sifted from humus - soil, 16.09.1924, collection of Institute of Animal Systematics and Evolution, PAS, Kraków, Poland.

Other material: Wolin Island, Poland, flood debris and under stones on the shore of Kamiński Flood, many specimens, 10-15.04.1991, leg. R.J. POMORSKI, D. SKARŻYŃSKI (*Anurida brunsvigiensis* HÜTER, 1964: SKARŻYŃSKI, POMORSKI, 1992); Sriednij Ostrow, North Karelia, Russia, under stones on the sea shore, 24.09.1992, many specimens, leg. R.J. POMORSKI, D. SKARŻYŃSKI (*A. brunsvigiensis*: SKARŻYŃSKI, POMORSKI, 1994);

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Tonkiele, Nizina Mazowiecka, Poland, on the bank of the Bug river, 2 specimens, 10.09.1994, leg. R.J. POMORSKI (*A. brunsvigiensis*: POMORSKI, 1994); Węgliniec, Nizina Śląska, Poland, on the bank of the Czerna Mała stream, 3 specimens, 17.09.1994, leg R.J. POMORSKI.

REDESCRIPTION

Length of adult specimens without antennae 0.75-0.9 mm, lectotype 0.85 mm.

Body rather slender, antennae shorter than head. Colour white. 2 + 2 ocelli without pigment (fig. 1, 3). Body granulation coarse, rather uniform, distinctly coarser on medial areas of IV-VI abdominal tergites (fig. 1).

Ant. IV with simple apical bulb and 8 (7) plump sensilla in a typical arrangement as in figs. 4-5. PAO consisting of 15-18 simple, rather regular vesicles in ovate arrangement (fig. 3).

Mandible with 6 teeth as in fig. 9, maxillary capitulum with 4 strong teeth the second of which has a small denticle at base (fig. 8). Lamella 1, 2 and 3 serrated (figs. 6-7).

Dorsal chaetotaxy as in fig. 1. Setae relatively short and thin, macrochaetae distinct only on IV-VI abdominal tergites. Thoracal segment I with 2+2 setae. Only thoracal II with microsensillum laterally. Abdominal IV with 2+2 setae between sensilla p_4 . Ventral abdominal chaetotaxy as fig. 2. Furca absent (fig. 2, 10). Tubus ventralis with 4+4 setae.

Legs without subcoxal processes. Tibiotarsi with two verticils of setae, distal one regular, symmetrical, composed of 11 setae, subdistal one asymmetrical with 9 setae. Subcoxae with 1, 2, 2 setae. Claws always without denticle and empodial appendage.

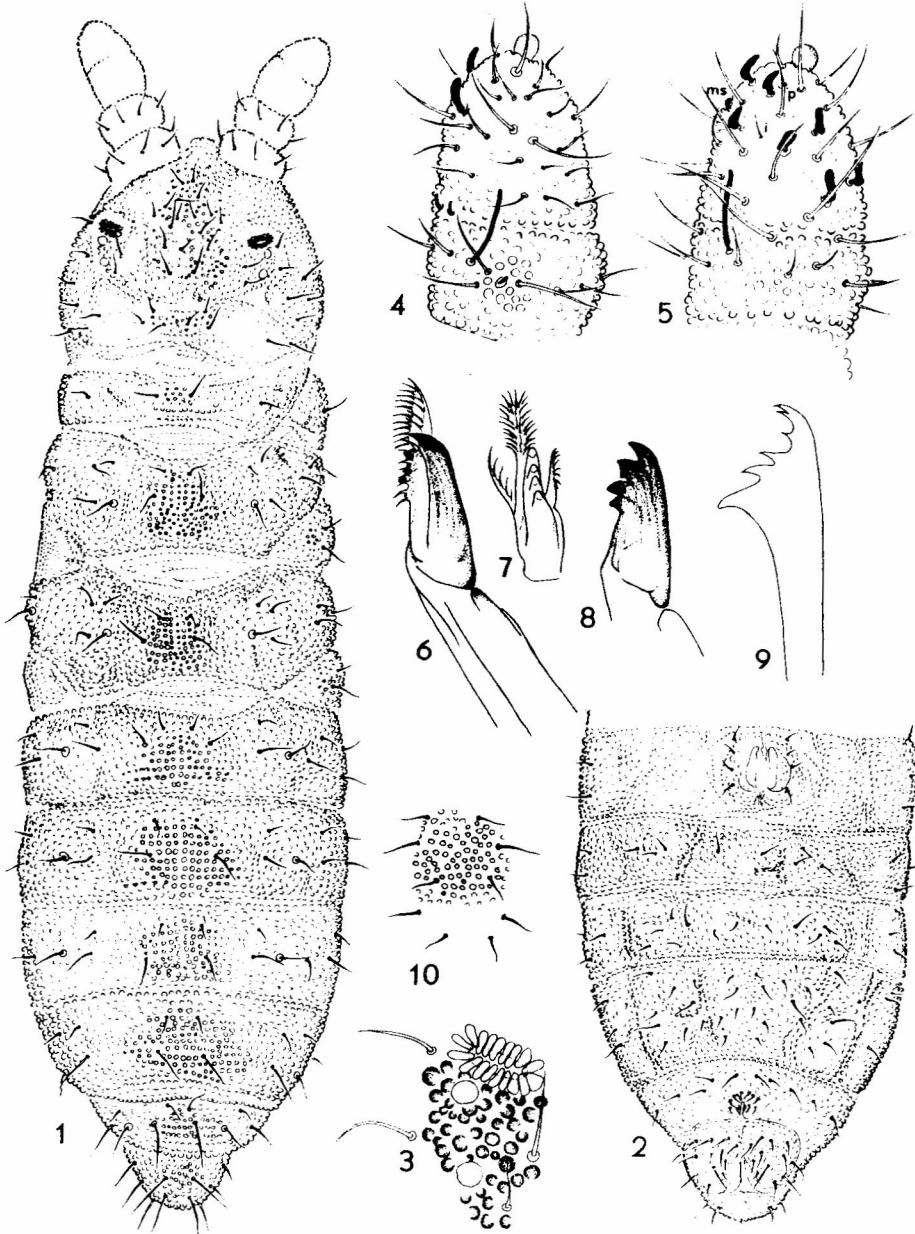
DISCUSSION

In STACH's collection we found 2 specimens on slides and 7 specimens of *A. elipsoides* in alcohol. The slides are unfortunately illegible. Alcohol-preserved specimens were a basis for redescription. The most important point in the redescription is finding 2 + 2 unpigmented eyes. Because of their small size (1,5 - 2 x larger than the surrounding granules) they were omitted from the original description. The remaining characters mentioned by STACH (1949) are in agreement with our observations.

HÜTER (1964) describing *A. brunsvigiensis* states, that it differs from *A. elipsoides* in the presence of 2 + 2 unpigmented eyes and in the granulation of V abdominal segment. Though the case of the eyes is obvious, the granulation is debatable. Examining specimens from our collection, coming from various populations, indicates that the size of granules on V abdominal segment varies and is an expression of individual variability. In the light of these facts *A. brunsvigiensis* is a junior synonym of *A. elipsoides*.

DISTRIBUTION AND ECOLOGY

The species known from Ukraine and Slovakia (STACH, 1949), Austria (CHRISTIAN, 1987) and Poland (SZEPTYCKI, WEINER, 1990) as *A. elipsoides*, and also from



1 - 10. *Anurida ellipsoides*. 1 - dorsal chaetotaxy; 2 - ventral chaetotaxy; 3 - PAO and eyes; 4, 5 - III and IV ant. (left antenna); 6, 7 - maxilla; 8 - maxillary capitulum; 9 - mandible; 10 - median area of IVth abdominal sternite.

Germany (HÜTER, 1964), Czech Republic (RUSEK, 1977), Poland (SKARŻYŃSKI, POMORSKI, 1992) and Russia (POMORSKI, SKARŻYŃSKI 1994 in press) as *A. brunsvigiensis*. Found in humus soil, under flower pots, on marshy meadows, banks of rivers and streams and also on the sea shore. An epilittoral species, associated with very humid habitats.

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