

Research on Trichoptera in South-Western Ukraine and Moldova

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Material gathered in Ukraine and Moldova

Data from
Ukraine
and
Moldova
are very
limited.



Ukrainian Trichoptera – state of knowledge

- Trichoptera is poorly studied in the Ukraine. The first checklist of Ukrainian Trichoptera have been published only in 2006 (Czachorowski, Godunko, 2006). This paper contain mostly data on caddisflies from Crimea and Carpatheans and not all known literature sources have been included in the paper.



Trichoptera of the SW Ukraine - state of knowledge

Only few publications are dedicated to the caddisflies fauna of the SW Ukraine. All of them concern lower Danube river. Paper by [A.V. Martynov](#) (1912) contains information on imago, papers by [A. Murgoci](#) (1968, 1969) are based only on larval stages.

Whereas larval stages of many species have been described later some identifications by [A. Murgoci](#) are doubtful.

Example – we guess that *Hydropsyche ornatula* (identified by [A. Murgoci](#)) could be *Hydropsyche bulgaromanorum* – the most abundant species in the Danube region, which is restricted to the large rivers ([Czachorowski, Serafin, 2004](#)).



The fauna of Trichoptera is rather diverse in the SW Ukraine and Moldova because reservoirs of different types are presented there.

They are:

Big rivers (Danube, Dniestr, South Bug, Dnieper),
small rivers,
delta parts of rivers,
lakes, streams,
temporary and drying up reservoirs,
salt and saltish lagoons,
Black Sea



Lakes



White (Beloe) lake,
near
lower Dniestr river



Kagul lake
near
Danube river



Rivers



Lower Dniestr-river, Ukraine



Middle Dniestr-river, Moldova



Lower Danube-river Ukraine



South Bug-river, Ukraine



Streams



**North-East
Moldova**



Near South Bug river



SW Ukraine, outside of Odessa



Temporary and drying up reservoirs near Dniestr river



**Banks of lower
Dniestr river**



Salt and saltish lagoons near Black sea



Limnephilus affinis



Collected material of Trichoptera

**We collected adults, larvae,
pupae and empty cases**



Collecting of larvae of Trichoptera



Collecting of adults of Trichoptera on the light



The results of our investigations

- New records of Trichoptera from Ukraine and Moldova have been prepared as a checklist with data on localities, coordinates, number of specimens and names of collectors
- The database with new records of Trichoptera (adult stages) from Ukraine and Moldova have been built and sent to the authors of European Atlas of Trichoptera
- The checklist of Trichoptera from the Dniestr river will be used in nature-conservation because the reserve zone will be created there in 2007



The results of our investigations

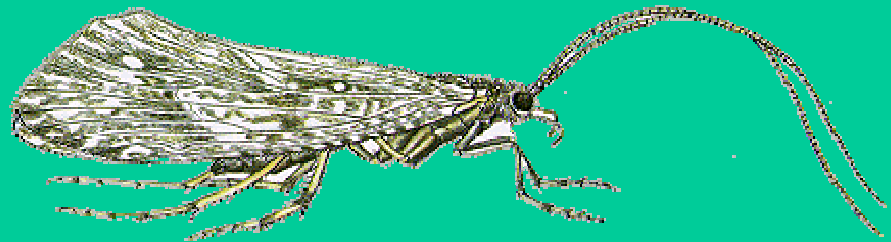
- For the first time for science the larval stage of *Limnephilus flavospinosus* (Stein 1874) have been described in the Ukraine

Diagnostic characteristics of *Limnephilus flavospinosus* -
the lack of secondary setae on **femurs** of the II and III pairs of legs (on front and back sides).



The results of our investigations

- **New literature sources about Ukrainian Trichoptera have been found in libraries of Ukraine and Bulgaria. New data about Ukrainian Trichoptera have been found in the Zoological Museum in Berlin**



New species

- 9 species for the first time have been recorded in Moldova
- *Holocentropus stagnalis*, the new species for Ukrainian fauna, have been recorded in Odessa province
- *Limnephilus flavospinosus* have not been included into Ukrainian checklist (Czachorowski, Godunko, 2006) whereas this species was mentioned in the paper on Ukrainian Danube Delta (Polischuk, 1974), was recorded in Kiev and Odessa province and was found in the collection of Zoological Museum in Berlin from Crimea.
- *Hydropsyche instabilis* is the new species for Crimea
- *Hydropsyche contubernalis masovica* (det Dr. Hans Malicky) is the new subspecies for Ukrainian fauna



Upcoming investigations

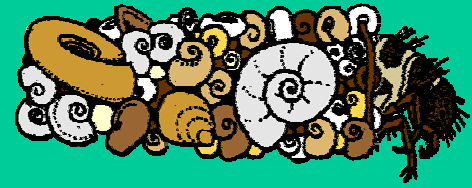
- **Study of all available literary sources about Ukrainian and Moldovian caddisflies**
- **Study of available collections of Trichoptera in Museums of Ukraine and other countries**
- **New intensive collecting of Trichoptera in Ukraine and Moldova**
- **Creating a group of volunteers working with Trichoptera in the Ukraine and Moldova**
- **Association of larval stages of Trichoptera with different types of reservoirs**
- **Descriptions of larval stages for species with unknown larvae**



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Thanks for your attention!