

## *Trichoptero logical results from the Northern Mountains (Hungary)*

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ABSTRACT. 3299 males and 4976 females, altogether 8275 specimens of 102 species were collected personally and by light traps in 50 localities. The list of all the species is given with the localities, date and the number of specimens. Some remarks are appended to rare or sporadic species.

### INTRODUCTION

The first Trichoptera data of Northern Mountains (Északi Középhegység) were published in the Fauna Regni Hungariae (MOCSÁRY 1900). Only a few species were recorded from some localities. In the thirties J. Sátori collected larvae, pupae and imagos. He published his data in a number of papers containing several mistakes in determination (SÁTORI 1935, 1938). In another paper some of his erroneous data were annulled (SÁTORI 1940).

After Sátori's activity some 25 years passed. In the 1960s J. Oláh examined the Trichoptera fauna of the Zemplén Mountains and published his results (OLÁH 1964, 1967) in two papers.

In the 1970s two papers were published by UJHELYI (1971, 1974). Later he presented some further data in three other papers (Ujhelyi 1981a, 1982, 1985). Ö. Kiss publishes several papers on the fauna of the Bükk and Mátra Mountains mostly in the 1980s (KISS 1979, 1980, 1981a, 1981b, 1983, 1984, 1987). Many data were published by CHANTARAMONGKOL (1983) from the foot of the Börzsöny Mountains. TÓTH (1973) enumerated a few caddisfly species in one paper.

### PURPOSE, METHODS, MATERIAL

Since the check-list of the Hungarian Trichoptera has not been compiled yet, our main purpose is to do it within a few years. Therefore, we endeavour to get materials from all regions of Hungary. Simultaneously we review the literature and the collections containing data of the regions.

As it is seen, most of the trichoptero logical papers of Hungary refers to the caddisflies of the Northern Mountains. Some of these papers include erroneous data, e. g. *Anabolia laevis* ZETT., *Glossosoma boltoni* CURT., *Limnephilus subcentralis* BRAU., *Hydropsyche exocellata* DUF., *Rhyacophila torrentium* PICT. etc. The revision of the material is under way but many difficulties have already arisen. The pinned collection of the Mátra Museum (Gyöngyös) was re-determined: more than half of material had been misidentified. We have started to re-determine the rather large material preserved in alcohol. Several mistakes have been found here, too. After the re-determination we must also revise the literature data. This is a long and ticklish work. After it we can compile a list of the Trichoptera fauna of the Northern Mountains.

In the 1980s we have led a few collecting trips to the area. We could collect in the Mátra and Bükk Mountains and in the Karst Region of North Borsod. The material of 10 light traps was also elaborated. These traps belonged to the light-trap network of the plant protection (County Borsod-Abaúj-Zemplén) or some of them were the traps of the Mátra Museum (Gyöngyös), erected to serve faunistic examinations.

Many colleagues and friends collected caddisflies and passed them to us for publication.

We elaborate all this material. 3299 males and 4976 females of 102 species were found in 50 sites.

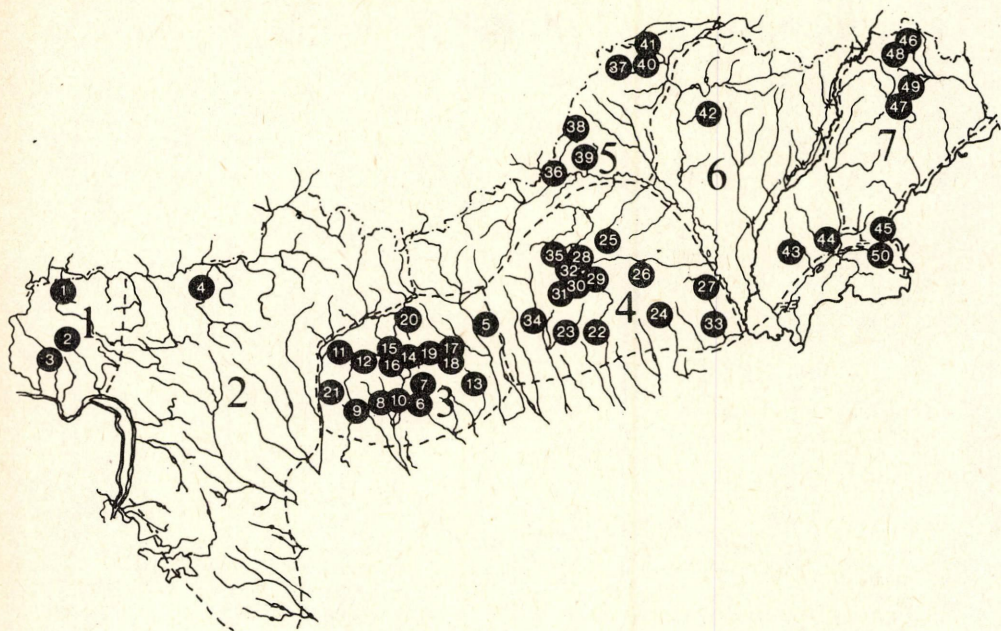


Fig. 1. The regional distribution and collecting sites in the Northern Mountains. Regions: 1 - Börzsöny Mountains, 2 - Cserhát and Gödöllő Downs, 3 - Mátra Mountains, 4 - Bükk Mountains, 5 - Heves-Borsod Hilly Region and Karst of Northern Borsod, 6 - Cserehát and Harangod, 7 - Zemplén (Eperjes-Tokaj) Mountains. Localities: 1: Bernecebaráti, 2: Nagybörzsöny, Kisinóc, 3: Nagybörzsöny, Kisirtáspuszta (ranch), 4: Balassagyarmat, Galiba-puszta (ranch), 5: Bükkszék, 6: (Gyöngyös-) Mátrafüred, 7: (Gyöngyös-) Mátraháza, Tetves-rét (field), 8: Gyöngyösorosi, 9: Gyöngyöspata, 10: Gyöngyössolyos, 11: Hasznos, 12: (Hasznos-) Mátrakeresztes, 13: Kishána, 14: (Mátraszentimre-) Galyatető, 15: (Mátraszentimre-) Mátraszentistván, 16: (Mátraszentimre-) Mátraszentlászló, 17: Parád, 18: (Parád) Parádfürdő, 19: Parádsasvár, 20: (Szuha-) Mátraalmás, 21: Szurdokpüspöki, 22: Bükkzsérc, Hosszú-völgy (valley), 23: Felsőtárkány, Lök-völgy (valley), 24: Kiszgyőr, Bekény, 25: Mályinka, Mária-forrás (spring), 26: Miskolc, Sebesvíz, 27: Miskolc-Görömböly, 28: Nagyvisnyó, Bán-völgy (valley), 29: Nagyvisnyó, Hármaskút (spring), 30: Nagyvisnyó, Huta-rét (meadow), 31: Nagyvisnyó, Keskeny-rét (meadow), 32: Nagyvisnyó, Nagy-völgy (valley), 33: Nyékládháza, 34: Szarvaskő, 35: Szilvásvár, 36: Bánréve, 37: Jósvalfő, 38: Kelemér, 39: Putnok, 40: Szin, 41: Szögliget, 42: Abod, 43: Megyaszó, 44: Szerencs, 45: Bodrogszegi, 46: Füzér, Bokorrét, 47: Háromhuta, István-kút (spring), 48: Hollóháza, 49: Kishuta, Senyő, 50: Tarcal.

1. ábra. Tájbeosztás és gyűjtőhelyek az Északi Középhegységben.

#### ACKNOWLEDGEMENTS

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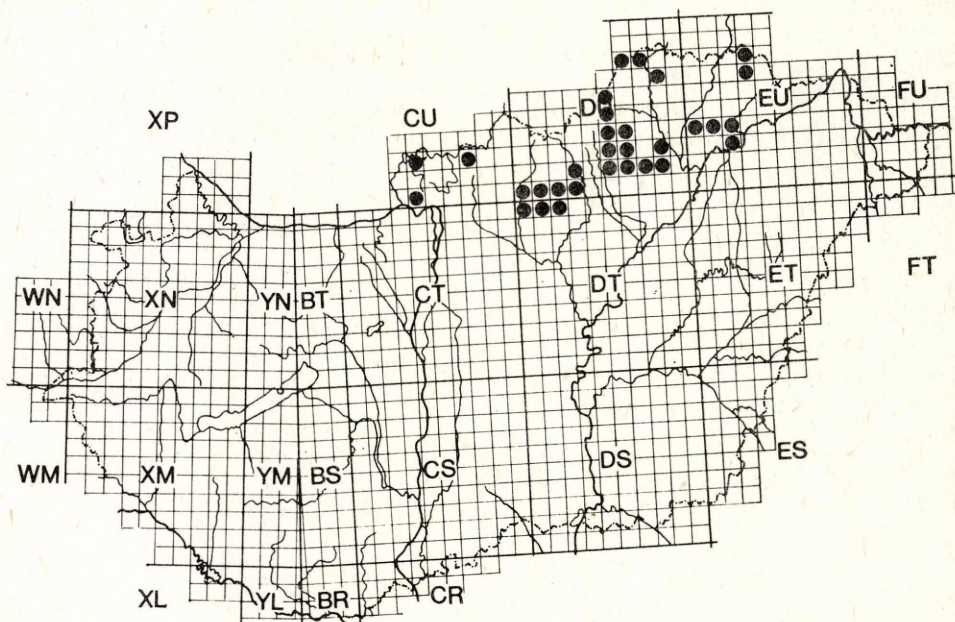


Fig. 2. The collecting sites of Trichoptera material elaborated by the authors on UTM grid map of Hungary (see also Table 1).

2. ábra. A szerzők által feldolgozott Trichoptera anyag lelőhelyei Magyarország UTM rendszerű hálótérképén (lásd az 1. táblázatot is).

#### THE COLLECTED MATERIAL

In this section all species are listed with the field data and the number of specimens. The following abbreviations are used:

(Á)	Levente Ábrahám	(T)	Sándor Tóth
(B)	Ferenc Buschmann	(U)	Ákos Uherkovich
(IGy)	Iván Gyulai	(phert)	pheromone trap
(PGy)	Péter Gyulai	(lt)	light trap
(N)	Sára Nógrádi	(Mal.t)	Malaise trap
(Sz)	Csaba Szabóky		

We assort the localities by regions for easier survey. These regions are abbreviated as follows (see also Fig. 1):

- 1 Börzsöny Mountains
- 2 Cserhát and Gödöllő Downs
- 3 Mátra Mountains
- 4 Bükk Mountains
- 5 Karst of North Borsod and Heves-Borsod Hilly Region
- 6 Cserhát Downs and Harangod Region
- 7 Zemplén Mountains

The material is deposited in the collection of the Janus Pannonius Museum, Pécs (Hungary). The bulk of the material is preserved in alcohol, in tubes.

R h y a c o p h i l i d a e

Rhyacophila fasciata HAGFEN, 1859

- 1 - Nagybörzsöny, Kisirtás-pusztá June 19, 1980 1 ♂ (L. Ronkay), Bernecebaráti Nov. 5, 1986 5 ♂♂ (phert).  
3 - Gyöngyöspata May 27, 1987 1 ♂ (U), Gyöngyössolymos Oct. 8, 1986 1 ♂, Oct. 13, 1986 6 ♂♂, Oct. 21, 1986 8 ♂♂, Nov. 13, 1986 1 ♂ (phert), Hasznos Oct. 11, 1987 1 ♂ (U), Mátrakeresztes May 31, 1986 1 ♂, June 5, 1986 1 ♂, Oct. 25, 1986 1 ♀, Oct. 9, 1987 1 ♂ (lt), Mátraszentistván May 12, 1983 1 ♀ (lt), June 16, 1985 1 ♂, July 7, 1985 1 ♂, July 8, 1985 1 ♀ (Sz), Parád Sept. 17, 1986 1 ♂ 1 ♀ (N, U), Oct. 8, 1986 1 ♂, Oct. 13, 1986 1 ♂, Nov. 14, 1986 1 ♂ (phert).  
4 - Nagyvisnyó, Bán-v. July 9, 1983 2 ♂♂, June 10, 1984 10 ♂♂, June 11, 1984 5 ♂♂, June 12, 1984 4 ♂♂, Sept. 27, 1984 2 ♂♂ (N, U), Nagyvisnyó, Nagy-v. June 10, 1984 2 ♂♂ (N, U).  
5 - Jósvalfó July 11, 1986 1 ♂ (U), Szögliget June 11, 1984 1 ♂ (N, U).

Rhyacophila nubila ZETTERSTEDT, 1840

- 6 - Abod June 13, 1986 1 ♂ (lt).

Rhyacophila obliterata McLACHLAN, 1863

- 3 - Gyöngyössolymos Oct. 8, 1986 1 ♂, Oct. 21, 1986 4 ♂♂ (phert), Mátrakeresztes Oct. 11, 1987 1 ♂ (lt).  
4 - Nagyvisnyó, Bán-v. Sept. 27, 1984 1 ♂ (N, U).

Rhyacophila polonica McLACHLAN, 1879

- 3 - Mátrafüred July 2, 1987 8 ♂♂ 2 ♀♀ (R), Mátrakeresztes June 13, 1986 1 ♂, June 30, 1986 1 ♂ (lt), Mátraszentistván June 23, 1983 1 ♂ (lt), July 1, 1983 1 ♀ (Sz).

Rhyacophila pubescens PICTET, 1834

- 4 - Nagyvisnyó, Bán-v. Sept. 27, 1984 2 ♂♂ 1 ♀ (N, U), Sept. 18, 1985 8 ♂♂ (U).

Rhyacophila tristis PICTET, 1834

- 3 - Mátrakeresztes May 27, 1987 8 ♂♂ 3 ♀♀ (U).  
4 - Nagyvisnyó, Bán-v. June 10, 1984 58 ♂♂ 17 ♀♀, June 11, 1984 6 ♂♂ 5 ♀♀, June 12, 1984 16 ♂♂ 6 ♀♀ (N, U), July 9, 1986 1 ♂♂, July 10, 1986 1 ♀ (U), Szilvásvárad June 12, 1984 13 ♂♂ 8 ♀♀ (N, U).  
5 - Jósvalfó June 11, 1984 3 ♂♂ 2 ♀♀ (N, U), July 11, 1986 2 ♂♂ (U), Szögliget June 11, 1984 1 ♂ 1 ♀ (N, U).

G l o s s o s o m a t i d a e

Glossosoma conformis NEBOISS, 1963

- 3 - Mátrakeresztes July 16, 1987 1 ♂ (lt).  
4 - Nagyvisnyó, Bán-v. July 9, 1983 5 ♀♀ (U, N).

Agapetus delicatulus McLACHLAN, 1884

- 4 - Bükkzsérc, Hosszú-v. July 5, 1983 9 ♀♀ (N, U), Miskolc, Sebesvíz July 8, 1983 1 ♀ (N, U), Nagyvisnyó, Bán-v. July 9, 1983 9 ♀♀ (N, U).  
7 - Bodrogszegi June 22-29, 1986 1 ♀ (lt).

Agapetus fuscipes CURTIS, 1834

- 4 - Nagyvisnyó, Bán-v. June 12, 1984 1 ♂, Sept. 27, 1984 23 ♂♂ 6 ♀♀ (N, U), Sept. 18, 1985 1 ♀, July 9, 1986 1 ♂ 1 ♀ (U).  
5 - Szin June 11, 1984 4 ♂♂ 2 ♀♀ (U).<sup>+</sup>

Agapetus ochripes CURTIS, 1834

- 4 - Bükkzsérc, Hosszú-v. July 5, 1983 4 ♀♀ (N, U).  
6 - Abod June 16, 1986 1 ♂, June 26, 1986 1 ♂ (lt).

Synagapetus iridipennis McLACHLAN, 1879

- 4 - Nagyvisnyó, Bán-v. June 10, 1984 1 ♂ 1 ♀, June 12, 1984 1 ♀ (N, U).

Synagapetus mosely ULMER, 1938

- 3 - Mátrakeresztes July 5, 1987 1 ♂, July 16, 1987 1 ♂, July 17, 1987 1 ♂ (lt).  
4 - Bükkzsérc, Hosszú-v. July 5, 1983 3 ♂♂ 1 ♀ (N, U), Felsőtárkány, Lök-v. July 6, 1983 2 ♂♂ (N, U), Szarvaskő June 12, 1984 1 ♂ (N, U).

H y d r o p t i l i d a e

Oxyethira flavicornis PICTET, 1834

- 4 - Nyékládháza Sept. 18-21, 1986 1 ♂ (lt).

Agraylea sexmaculata CURTIS, 1834

- 4 - Nyékládháza May 28-31, 1986 1 ♂, June 18-23, 1986 1 ♂, Sept. 18-21, 1986 13 ♂♂ 2 ♀♀ (lt).

Allotrichia pallicornis EATON, 1873

6 - Abod July 15, 1986 1 ♀ (lt).

Philopotamidae

Philopotamus montanus DONOVAN, 1813

3 - Mátrakeresztes Aug. 6, 1986 2 ♂♂, June 14, 1987 1 ♂, July 3, 1987 1 ♂, July 8 1987 1 ♂, July 17, 1987 2 ♂♂, July 24, 1987 1 ♂, Aug. 27, 1987 1 ♂ (lt), Mátraalmás Aug. 4, 1986 1 ♀ (Mal.t), Mátrafüred Sept. 15, 1986 1 ♀ (N, U), July 2, 1987 24 ♂♂ (B), Mátrászentistván May 13, 1983 1 ♂ (lt).

Wormaldia occipitalis PICTET, 1834

3 - Galyatető, Feketető Spring Sept. 17, 1986 2 ♂♂ (U).

4 - Nagyvisnyó, Bán-v. Sept. 27, 1984 11 ♂♂ 1 ♀, Sept. 18, 1985 1 ♂ (N, U).

Hydropsychidae

Hydropsyche angustipennis CURTIS, 1834

3 - Bükkszék May 28, 1987 5 ♂♂ 2 ♀♀ (U).

5 - Bánréve Aug. 26-31, 1986 1 ♂<sup>++</sup> (lt).

6 - Abod July 7, 1986 1 ♂, Aug. 5, 1986 1 ♂, Aug. 9, 1986 1 ♂ (lt).

Hydropsyche bulbifera McLACHLAN, 1878

3 - Mátrakeresztes July 6, 1986 1 ♂, July 7, 1986 1 ♂, Sept. 16, 1986 1 ♂, July 18, 1987 1 ♂, Sept. 14, 1987 1 ♂ (lt).

4 - Felsőtárkány, Lök-v. July 6, 1983 4 ♂♂ (N, U), Kisgyőr, Bekény Aug. 3, 1986 1 ♂ (lt), Nyékládháza July 1-8, 1986 1 ♂ (lt).

5 - Bánréve May 14-Sept. 15, 1986 30 ♂♂ (lt), Jósvafő July 31-Aug. 7, 1983 1 ♂, Sept. 3, 1986 2 ♂♂, Sept. 16, 1986 1 ♂, July 17, 1987 1 ♂, Sept. 10, 1987 1 ♂ (lt).

6 - Abod June 10-Sept. 22, 1986 20 ♂♂ (lt).

7 - Kishuta, Senyő July 11-Aug. 1, 1983 1 ♂ (lt).

Hydropsyche bulgaromanorum MALICKY, 1977

1 - Nagybörzsöny, Kisinóc Aug. 26, 1983 1 ♂ (Sz).

3 - Mátrafüred July 2, 1987 1 ♂ (B), Mátrakeresztes July 7, 1986 1 ♂, July 29, 1986 1 ♂, Aug. 25, 1987 4 ♂♂, Aug. 27, 1987 1 ♂ (lt).

4 - Kisgyőr, Bekény Aug. 1-Sept. 4, 1987 87 ♂♂ (lt), Miskolc-Görömböly May 13-Sept. 22, 1986 40 ♂♂ (lt).

5 - Bánréve May 26-31, 1986 1 ♂ (lt), Jósvafő July 31-Aug. 7, 1983 1 ♂, Sept. 3, 1986 1 ♂, Sept. 13, 1986 1 ♂, July 17-Aug. 19, 1987 10 ♂♂ (lt), Kelemér June 23, 1985 1 ♂ (IGy).

6 - Abod July 12, 1986 1 ♂, Sept. 5, 1986 1 ♂ (lt).

7 - Bodrogszegi May 18-Oct. 14, 1986 55 ♂♂ (lt).

Hydropsyche contubernalis McL.

1 - Nagybörzsöny, Kisinóc Aug. 26, 1983 1 ♂ (Sz).

3 - Mátrafüred July 2, 1987 1 ♂ (B), Mátrakeresztes July 7, 1986 2 ♂♂, Aug. 6, 1986 1 ♂, Sept. 4, 1986 1 ♂, June 30, 1987 1 ♂, July 13, 1987 2 ♂♂, July 19, 1987 1 ♂, Sept. 14, 1987 1 ♂ (lt).

4 - Kisgyőr, Bekény Aug. 1, 1986 3 ♂♂, Aug. 4, 1986 4 ♂♂, Sept. 4, 1986 2 ♂♂ (lt), Miskolc-Görömböly May 27-Aug. 31, 1986 5 ♂♂ (lt), Nyékládháza May 20, 1986 1 ♂, May 28-31, 1986 1 ♂, July 1-8, 1986 1 ♂ (lt).

5 - Bánréve Aug. 26-31, 1986 1 ♂ (lt), Jósvafő July 31-Aug. 7, 1983 3 ♂♂, Sept. 4, 1983 1 ♂, Aug. 31-Sept. 1, 1984 1 ♂, July 23, 1985 1 ♂, Sept. 3, 1986 6 ♂♂, June 12, 1987 1 ♂, July 24, 1987 1 ♂, Aug. 1, 1987 1 ♂, Aug. 16, 1987 1 ♂, Aug. 28, 1987 1 ♂ (lt).

6 - Abod June 12-Sept. 22, 1986 63 ♂♂ (lt).

7 - Bodrogszegi May 18-25, 1986 1 ♂, June 8-22, 1986 1 ♂, July 8-12 1986 1 ♂ (lt), Kishuta, Senyő July 11-Aug. 1, 1983 2 ♂♂ (lt).

Hydropsyche fulvipes CURTIS, 1834

3 - Mátrafüred Sept. 15, 1986 2 ♂♂, Sept. 16, 1986 1 ♂ (U, N), July 2, 1987 6 ♂♂ (B), Mátrakeresztes Sept. 2, 1986 1 ♂, Sept. 12, 1986 1 ♂ (Mal.t), Sept. 4, 1986 1 ♂ (lt), Mátrászentistván May 12, 1983 1 ♂ (lt).

4 - Bükkzsérc, Hosszú-v. July 5, 1983 1 ♂ (N, U), Felsőtárkány, Lök-v. July 6, 1983 1 ♂ (N, U), Nagyvisnyó, Bán-v. July 9, 1983 4 ♂♂, June 10, 1984 5 ♂♂ 1 ♀, June 11, 1984 3 ♂♂, June 12, 1984 1 ♂ (N, U).

Hydropsyche instabilis CURTIS, 1834

3 - Mátraalmás Aug. 8, 1986 1 ♂ (Mal.t), Mátrafüred Sept. 15, 1986 4 ♂♂, Sept. 16, 1986 1 ♂ (N, U), July 2, 1987 4 ♂♂ (B), Mátrakeresztes July 1-Sept. 16, 1986 132 ♂♂, June 29-Sept. 14, 1987 72 ♂♂ (lt), Mátrászentistván July 1, 1983 1 ♂

- (Sz), June 3, 1983 2 ♂♂, June 20, 1983 8 ♂♂, June 23, 1983 1 ♂, July 1, 1983 1 ♂, Aug. 10-18, 1983 3 ♂♂, Aug. 20-30, 1983 2 ♂♂ (lt).
- 4 - Bükkzsérc, Hosszú-v. July 5, 1983 7 ♂♂ (N, U), Felsőtárkány, Lök-v. July 6, 1983 19 ♂♂ (N, U), Miskolc-Görömböly June 16-23 1986 1 ♂ (lt), Nagyvisnyó, Bán-v. July 9, 1983 76 ♂♂ (N, U), Nagyvisnyó, Huta-rét July 10, 1983 2 ♂♂ (N, U).
- 5 - Jósvaló July 31-Aug. 7, 1983 7 ♂♂, Aug. 31-Sept. 1, 1984 11 ♂♂, Aug. 3, 1985 1 ♂, July 1-20, 1987 8 ♂♂ (lt).
- 6 - Abod July 15, 1986 1 ♂, July 17, 1986 1 ♂ (lt).
- 7 - Bodrogszegi June 22-29, 1986 1 ♂ (lt), Füzér, Bokorrét July 30, 1986 1 ♂ (Á), Kishuta, Senyő July 11-Aug. 1, 1983 40 ♂♂ (lt).

Hydropsyche modesta NAVÁS, 1925

- 4 - Miskolc-Görömböly May 13-17, 1986 1 ♂ (lt).
- 5 - Bánréve Sept. 2-15, 1986 2 ♂♂ (lt).
- 6 - Abod Aug. 30, 1986 1 ♂ (lt), Megyaszó, Ujvilágtanya June 3-6, 1986 1 ♂, June 17-21, 2 ♂♂ (lt).
- 7 - Bodrogszegi Sept. 14-20, 1986 1 ♂, Oct. 12-14, 1986 2 ♂♂ (lt).

Hydropsyche pellucidula CURTIS, 1834

- 4 - Miskolc-Görömböly July 1-7, 1986 2 ♂♂ (lt).
- 5 - Bánréve May 7-Sept. 30, 1986 57 ♂♂ (lt), Jósvaló July 31-Sept. 4, 1983 17 ♂♂, Aug. 31-Sept. 21, 1984 8 ♂♂, Sept. 1985 2 ♂♂, Sept. 3-16, 1986 112 ♂♂, June 16-Sept. 22, 1987 55 ♂♂ (lt).
- 6 - Abod June 12-Sept. 22, 1986 77 ♂♂ (lt), Megyaszó, Ujvilágtanya June 3-6, 1986 1 ♂ (lt).
- 7 - Bodrogszegi Aug. 10-Oct. 14, 1986 9 ♂ (lt), Kishuta, Senyő, July 11-Aug. 1, 1983 6 ♂♂ (lt).

Hydropsyche saxonica McLACHLAN, 1884

- 1 - Nagybörzsöny, Kisirtás-pusztá June 19, 1980 1 ♂ (L. Ronkay).
- 3 - Gyöngyöspata May 27, 1987 1 ♂ (U), Mátrakeresztés June 10, 1986 1 ♂, June 13, 1986 1 ♂, June 30, 1986 1 ♂, June 9, 1987 1 ♂, June 29, 1987 1 ♂ (lt).
- 5 - Jósvaló July 16, 1987 1 ♂ (lt).

Polycentropodidae

Neureclipsis bimaculata LINNAEUS, 1758

- 3 - Mátrakeresztés July 7, 1986 1 ♂, Aug. 20, 1986 1 ♀, July 17, 1987 1 ♂ (lt).
- 4 - Kisgyőr, Bekény Aug. 3, 1986 1 ♀, Aug. 29-30, 1986 1 ♂ (lt), Miskolc-Görömböly May 7-Aug. 31, 1986 25 ♂♂ 42 ♀♀ (lt), Nyékládháza May 20-Aug. 31, 1986 28 ♂♂ 64 ♀♀ (lt).
- 5 - Bánréve May 14-Aug. 18, 1986 1 ♂ 7 ♀♀ (lt).
- 6 - Abod June 12-July 6, 1986 7 ♂♂ (lt), Megyaszó, Ujvilágtanya June 17-21, 1986 1 ♂ 2 ♀♀ (lt), Szerencs May 14, 1986 2 ♀♀ (PGy).
- 7 - Bodrogszegi May 12-Oct. 14, 1986 81 ♂♂ 169 ♀♀ (lt).

Plectrocnemia brevis McLACHLAN, 1871

- 4 - Nagyvisnyó, Bán-v. July 9, 1983 1 ♂ 1 ♀, June 10, 1984 1 ♂ (N, U).

Plectrocnemia conspersa CURTIS, 1834

- 1 - Nagybörzsöny, Kisinóc Aug. 26, 1983 2 ♂♂ 1 ♀ (Sz).
- 3 - Mátraalmás Aug. 22, 1986 1 ♀ (Mal.t), Mátrafüred Sept. 15, 1986 5 ♂♂, Sept. 16, 1986 6 ♂♂ 1 ♀ (N, U), July 2, 1987 1 ♂ (B), Mátraháza, Tetves-rét Sept. 7, 1987 1 ♂ 2 ♀♀ (M), Mátrakeresztés May 13-Oct. 25, 1986 8 ♂♂, June 15-Aug. 19, 1987 3 ♂♂ (lt), Mátraszentistván May 13-Sept. 30, 1983 13 ♂♂ (lt), June 18, 1985 1 ♂, July 6, 1985 1 ♀ (Sz).
- 4 - Bükkzsérc, Hosszú-v. July 5, 1983 9 ♂♂ 4 ♀♀ (N, U), Felsőtárkány, Lök-v. July 6, 1983 4 ♂♂ 2 ♀♀ (N, U), Miskolc, Sebesvíz July 8, 1983 1 ♀ (N, U), Nagyvisnyó, Bán-v. July 9, 1983 2 ♂♂ 1 ♀, June 10, 1984 8 ♂♂ 5 ♀♀, June 11, 1984 1 ♂ 1 ♀ (N, U).
- 5 - Jósvaló July 31, 1983 1 ♂, July 23, 1985 1 ♂, Sept. 1985 1 ♂, Sept. 3, 1986 1 ♂, July 19-Sept. 4, 1987 4 ♂♂ (lt), Kelemér June 23, 1985 2 ♂♂ (IGy).
- 6 - Abod July 6, 1986 1 ♂ (lt).
- 7 - Kishuta, Senyő July 27, 1986 1 ♀ (Á).

Polycentropus flavomaculatus PICTET, 1834

- 1 - Nagybörzsöny, Kisirtás-pusztá June 19, 1980 2 ♀♀ (L, Ronkay).
- 3 - Gyöngyöspata May 27, 1987 2 ♂♂ (U), Mátraszentistván June 20, 1983 1 ♂ (lt).
- 4 - Felsőtárkány, Lök-v. July 6, 1983 1 ♂ 2 ♀♀ (N, U).
- 6 - Abod June 13-Aug. 10, 1986 10 ♀♀ (lt).

Holocentropus dubius RAMBUR, 1842

7 - Bodrogszegi May 26-31, 1986 1 ♀, June 2-8, 1986 1 ♂ (1t).

Holocentropus picicornis STEPHENS, 1836

4 - Nyékládháza May 28-31, 1986 1 ♀, Sept. 18-21, 1986 1 ♀ (1t).

7 - Bodrogszegi May 18-25, 1986 4 ♀♀, July 2-7, 1986 1 ♀ (1t).

Cyrnus crenaticornis KOLENATI, 1859

4 - Miskolc-Görömböly July 1-7, 1986 1 ♂, Aug. 25-31, 1986 1 ♀ (1t), Nyékládháza  
May 28-Sept. 21, 1986 13 ♂♂ 14 ♀♀ (1t).

6 - Megyaszó, Ujvilágtanya June 3-6, 1986 1 ♂ (1t).

7 - Bodrogszegi June 22-29, 1986 1 ♀ (1t).

Cyrnus trimaculatus CURTIS, 1834

3 - Gyöngyöspata May 27, 1987 2 ♂♂ (U), Mátrakeresztes Aug. 19, 1986 1 ♀, July 25,  
1987 1 ♀ (1t).

4 - Miskolc, Sebesvíz Aug. 8, 1983 1 ♀ (N, U).

5 - Bánréve June 20-24, 1986 1 ♂ (1t)†

6 - Abod July 30-Aug. 20, 1986 5 ♀♀ (1t).

Psychomyia

Psychomyia pusilla FABRICIUS, 1781

4 - Bükk, Hosszú-v. Aug. 5, 1983 1 ♀ (N, U).

6 - Abod July 6, 1986 1 ♀, July 12, 1986 1 ♀, Aug. 5, 1986 2 ♀♀, Aug. 19, 1986  
1 ♀ (1t).

Lype reducta STEPHENS, 1836

4 - Szilvásvárad, Szalajka-v. June 12, 1984 1 ♂ (N, U).

Tinodes pallidulus McLACHLAN, 1878

3 - Mátraalmás Aug. 8, 1986 1 ♀ (Mal.t), Mátrafüred Sept. 15, 1986 1 ♂, Sept. 16,  
1986 2 ♂♂ (N, U), Mátraszentistván July 1, 1983 1 ♂ (Sz).

Tinodes rostocki McLACHLAN, 1878

4 - Nagyvisnyó, Bán-v. June 10, 1984 1 ♂, June 12, 1984 1 ♀ (N, U).

Tinodes unicolor PICTET, 1834

5 - Jósvalfó July 11, 1986 1 ♂ (U).

Ecnomia

Ecnomus tenellus RAMBUR, 1842

4 - Kisgyőr, Bekény July 24-Aug. 30, 1986 3 ♂♂ 22 ♀♀ (1t), Miskolc-Görömböly  
May 24-Sept. 22, 1986 9 ♂♂ 15 ♀♀ (1t), Miskolc, Sebesvíz July 8, 1983 2 ♂♂  
(U, N), Nyékládháza May 28-Sept. 21, 1986 23 ♂♂ 105 ♀♀ (1t).

5 - Bánréve May 19-26, 1986 1 ♀, June 3-10, 1986 1 ♀, June 20-24, 1986 1 ♂, June  
27-July 3, 1986 1 ♂ (1t).

6 - Abod June 13-Sept. 22, 1986 1 ♂ 7 ♀♀ (1t), Megyaszó, Ujvilágtanya June 17-22,  
1986 1 ♀ (1t).

7 - Bodrogszegi May 26-Sept. 27, 1986 1 ♂ 13 ♀♀ (1t).

Phryganea

Trichostegia minor CURTIS, 1834

5 - Bánréve June 20-24, 1986 1 ♀ (1t).

Agrypnia paetana CURTIS, 1835

4 - Nyékládháza May 13-19, 1986 1 ♀ (1t).

Agrypnia varia FABRICIUS, 1793

6 - Megyaszó, Ujvilágtanya June 3-6, 1986 1 ♀, June 17-21, 1986 1 ♂ (1t).

7 - Bodrogszegi May 26-31, 1986 1 ♂, June 8-22, 1986 1 ♂, Aug. 17-24, 1986 2 ♂♂  
(1t), Kishuta, Senyő July 11-Aug. 1, 1983 2 ♂♂ (1t).

Phryganea bipuncta RETZIUS, 1783

7 - Bodrogszegi May 18-25, 1986 1 ♀ (1t).

Phryganea grandis LINNAEUS, 1758

4 - Kisgyőr, Bekény July 17, 1986 1 ♂ 1 ♀ (1t).

6 - Abod Aug. 9, 1986 1 ♀ (1t), Szerencs May 14, 1986 1 ♀ (PGY).

7 - Kishuta, Senyő July 3, 1983 3 ♂♂ (1t), Tarcfal, Kis-Köpasz May 13, 1986 1 ♂  
(PGY).

Limnephilidae

Ironoquia dubia STEPHENS, 1837

- 4 - Miskolc-Görömböly Sept. 8-14, 1986 1 ♂ (lt).  
5 - Jósvafő Sept. 16-17, 1987 1 ♀, Sept. 18, 1987 1 ♂ (lt).

Drusus annulatus STEPHENS, 1837

- Nagyvisnyó, Bán-v. Sept. 18, 1985 1 ♀ (N, U).

Ecclisopteryx madida McLACHLAN, 1867

- 3 - Mátraalmás Sept. 9-Oct. 2, 1986 2 ♂♂ 3 ♀♀ (Mal.t), Mátrafüred Sept. 15, 1986 6 ♂♂ 2 ♀♀, Sept. 16, 1986 41 ♂♂ 12 ♀♀, Sept. 17, 1986 1 ♂ 1 ♀ (N, U, B), Mátraháza, Tetves-rét Sept. 7, 1987 1 ♂ (Z. Mészáros), Mátrakeresztes Aug. 15, 1986 1 ♂, Oct. 7, 1986 1 ♂ (lt), Mátrászentistván Sept. 15-30, 1983 8 ♂♂ 1 ♀ (lt), Sept. 22-27, 1984 23 ♂♂ 9 ♀♀ (Sz), Paráds Sept. 17, 1986 1 ♀ (N,U).

Limnophilus affinis CURTIS, 1834

- 3 - Mátrászentistván May 5-13, 1983 1 ♂ 5 ♀♀, Sept. 15-30, 1983 1 ♀ (lt), Sept. 22-27, 1984 1 ♂, July 6, 1985 1 ♀ (Sz).  
4 - Kisgyőr, Bekény Sept. 30, 1986 3 ♀♀ (lt), Miskolc-Görömböly Sept. 15-Oct. 12, 1986 17 ♂♂ 13 ♀♀ (lt), Nagyvisnyó, Huta-rét July 10, 1983 2 ♂♂ (N, U), Nagyvisnyó, Keskeny-rét May 29, 1986 1 ♂ 3 ♀♀ (PGy), Nyékládháza Sept. 23-29, 1986 2 ♀♀, Oct. 9-12, 1986 2 ♂♂ 2 ♀♀, Oct. 23-26, 1 ♂ (lt).  
5 - Bánréve Sept. 22-30, 1986 1 ♂ 1 ♀, Oct. 2-7, 1986 1 ♂ (lt), Jósvafő Sept. 28-29, 1 ♂, July 8, 1984 1 ♀, Sept. 16, 1986 1 ♂, Sept. 13-15, 1987 1 ♂, Oct. 15-16, 1987 1 ♂ 1 ♀ (lt).  
6 - Abod Sept. 22, 1986 1 ♂ (lt).  
7 - Bodrogszegi Sept. 21-Oct. 27, 1986 2 ♂♂ 13 ♀♀ (lt).

Limnophilus auricula CURTIS, 1834

- 3 - Mátrafüred Sept. 15, 1986 1 ♂ (N, U), Mátrakeresztes Aug. 6, 1986 1 ♂ (lt), Mátrászentistván May 9, 1983 2 ♂♂ 1 ♀, May 31, 1983 1 ♂, Sept. 15-30, 1983 1 ♀ (lt), June 18, 1985 1 ♂ 2 ♀♀, July 7, 1985 1 ♀, July 6, 1985 2 ♂♂ (Sz).  
4 - Kisgyőr, Bekény Sept. 30, 1986 1 ♂ 1 ♀ (lt), Mályinka, Mária-f. May 30, 1986 1 ♀ (PGy), Miskolc-Görömböly May 24-27, 1986 1 ♂ (lt), Nagyvisnyó, Huta-rét July 10, 1983 1 ♂ (N, U), Nagyvisnyó, Bán-v. Sept. 27, 1984 1 ♀ (N, U).  
5 - Jósvafő Oct. 15-16, 1987 1 ♂ (lt).  
6 - Abod June 13, 1986 1 ♂, July 7, 1986 1 ♂ (lt).  
7 - Bodrogszegi May 12-18, 1986 1 ♀, May 26-31, 1986 1 ♀, June 8-22, 1986 1 ♂, Oct. 20-27, 1986 2 ♂♂ (lt), Háromhuta, Istvázkút July 25, 1986 1 ♂ (Á), Kis-huta, Senyő July 11-Aug. 1, 1983 1 ♂ (lt).

Limnophilus bipunctatus CURTIS, 1834

- 3 - Gyöngyöspata May 27, 1987 1 ♀ (U), Kisnána May 26, 1987 1 ♂ (U), Mátrászentistván June 16, 1984 1 ♀, Sept. 22-27, 1984 2 ♂♂ (Sz).  
4 - Mályinka, Mária-f. May 30, 1986 1 ♂ (PGy), Miskolc-Görömböly May 24-27, 1986 1 ♀, Sept. 23-29, 1986 1 ♂ (lt), Nagyvisnyó, Huta-rét July 10, 1983 1 ♂ 1 ♀ (N, U), Nyékládháza Oct. 23-26, 1986 1 ♂ (lt).  
5 - Jósvafő Sept. 28-29, 1983 1 ♂, Aug. 1, 1987 1 ♀, Oct. 15-16, 1987 1 ♂ (lt).  
7 - Bodrogszegi Oct. 20-27, 1986 1 ♂ (lt).

Limnophilus decipiens KOLENATI, 1848

- 3 - Mátrászentistván Sept. 15-30, 1983 1 ♀ (lt), June 18, 1985 1 ♀ (Sz).  
4 - Kisgyőr, Bekény Sept. 30, 1986 1 ♂ (lt), Miskolc-Görömböly Oct. 1-4, 1986 1 ♂ (lt), Miskolc, Sebesvíz July 8, 1983 1 ♀ (N, U), Nagyvisnyó, Huta-rét July 10, 1983 1 ♀ (N, U), Nyékládháza Sept. 23-29, 1986 1 ♂, Oct. 9-12, 1986 1 ♂ (lt).  
5 - Jósvafő July 8, 1984 1 ♂ (lt).  
7 - Bodrogszegi June 8-22, 1986 1 ♂ (lt).

Limnophilus extricatus McLACHLAN, 1865

- 3 - Paráds Sept. 17, 1986 1 ♂ (N, U).  
4 - Kisgyőr, Bekény Aug. 20, 1986 1 ♂ (lt), Miskolc-Görömböly May 7-12, 1986 1 ♂ (lt).  
5 - Bánréve Aug. 6-18, 1986 1 ♂ (lt), Jósvafő Sept. 4, 1984 1 ♀, Sept. 29-29, 1984 1 ♂, Aug. 21-24, 1987 1 ♀ (lt).  
6 - Abod July 6, 1986 1 ♀, Aug. 27, 1986 1 ♂, Sept. 4, 1986 1 ♂ (lt).

Limnophilus flavicornis FABRICIUS, 1787

- 1 - Nagybörzsöny, Kisinóc Aug. 26, 1983 1 ♂ (Sz).  
3 - Mátrafüred Sept. 15, 1986 1 ♀, Sept. 16, 1986 1 ♀ (N, U, B), Mátrakeresztes Aug. 25, 1987 1 ♂ (lt), Mátrászentistván Aug. 10-18, 1983 1 ♂ (lt), July 1,



- 1983 1 ♀, July 7, 1983 1 ♂ (Sz).
- 4 - Kisgyőr, Bekény Sept. 4, 1986 1 ♂, Sept. 8, 1986 4 ♂♂, Sept. 10, 1986 9 ♂♂ (lt), Miskolc-Görömböly Sept. 1- Oct. 4, 1986 4 ♂♂ 1 ♀ (lt), Nagyvisnyó, Bán-v. July 9, 1983 1 ♀ (N, U), Nagyvisnyó, Huta-rét July 10, 1983 3 ♂♂ 1 ♀ (N, U), Nyékládháza Sept. 18-21, 1986 2 ♂♂, Sept. 23-29, 1986 1 ♂ (lt).
  - 5 - Bánréve June 3-10, 1986 2 ♂♂ (lt), Jósvafő July 31-Aug. 1, 1983 2 ♂♂, Sept. 4, 1983 2 oo, Sept. 28-29, 1983 1 ♂, Sept. 16, 1984 1 ♂, Sept. 16, 1986 1 ♂, Sept. 3-4, 1987 1 ♂, Sept. 19, 1987 1 ♂, Sept. 26-30, 1987 1 ♂ (lt).
  - 6 - Abod Aug. 19-Sept. 15, 1986 5 ♂♂ 1 ♀ (lt), Megyaszó, Ujvilágtanya June 17-21, 1986 2 ♂♂ 1 ♀ (lt).
  - 7 - Bodrogszegi June 8-29, 1986 2 ♂♂ 5 oo, Aug. 10-Oct. 14, 1986 65 ♂♂ 12 oo (lt), Füzér, Bokorrét July 30, 1986 7 ♂♂ (Á), Háronhuta, Istvánkút July 25, 1986 4 ♂♂ (Á), Kishuta, Senyő July 11-Aug. 1, 1983 2 ♂♂ 1 ♀ (lt), July 27, 1986 7 ♂♂ 1 ♀ (Á), Tarcal, Kis-Kopasz May 13, 1986 4 ♂♂ (PGy).

Limnephilus griseus LINNAEUS, 1758

- 3 - Mátraszentistván July 1, 1983 7 ♂♂ 1 ♀ (lt), June 16, 1985 4 ♂♂, July 7, 1985 1 ♂ (Sz).
- 4 - Miskolc-Görömböly Oct. 20-22, 1986 2 ♂♂ (lt), Nagyvisnyó, Huta-rét July 10, 1983 3 ♂♂ 3 oo (N, U), Nyékládháza Oct. 23-26, 1986 1 ♂ (lt).
- 5 - Jósvafő Oct. 15-16, 1987 2 ♂♂ (lt).
- 7 - Bodrogszegi Sept. 21-27, 1986 1 ♂, Oct. 20-27, 1986 1 ♂ (lt).

Limnephilus hirsutus PICTET, 1834

- 3 - Mátraszentlászló July 23, 1987 1 ♂ (T).
- 4 - Kisgyőr, Bekény Aug. 1, 1986 1 ♂ (lt), Miskolc-Görömböly Aug. 10-18, 1986 1 ♂ (lt), Nagyvisnyó, Huta-rét July 10, 1983 1 ♂ (N, U).
- 5 - Bánréve Aug. 6-18, 1986 3 ♂♂ 1 ♀ (lt), Jósvafő July 31-Aug. 7, 1983 1 ♂, Aug. 21, 1987 1 ♂ (lt).
- 6 - Abod July 22, 1986 1 ♂, Aug. 19, 1986 1 ♂, Aug. 24, 1986 1 ♂, Sept. 5, 1986 1 ♂ (lt).
- 7 - Füzér, Bokorrét July 30, 1986 1 ♂ (Á), Kishuta, Senyő July 27, 1986 3 ♂♂ (Á), Tarcal, Kis-Kopasz May 13, 1986 1 ♂ (PGy).

Limnephilus ignavus McLACHLAN, 1865

- 2 - Balassagyarmat, Galiba-puszta Oct. 15-16, 1983 1 ♀ (lt).
- 3 - Paráds Sept. 17, 1986 1 ♂ (U, N).
- 4 - Nagyvisnyó, Bán-v. July 9, 1983 2 oo (N, U).
- 5 - Bánréve June 3-24, 1986 2 ♂♂, Aug. 26-Sept. 30, 1986 11 ♂♂ 3 oo (lt), Jósvafő July 8, 1984 1 ♀, Sept. 1985 3 ♂♂, Sept. 12, 1986 1 ♂, July 8-9, 1987 1 ♀, Sept. 19, 1987 1 ♂ (lt).
- 6 - Abod June 12, 1986 1 ♀, Sept. 10, 1986 2 ♂♂, Sept. 22, 1986 2 ♂♂ (lt).
- 7 - Kishuta, Senyő July 11-Aug. 1, 1983 2 ♂♂ (lt).

Limnephilus lunatus CURTIS, 1834

- 2 - Balassagyarmat, Galiba-puszta Oct. 15-16, 1983 1 ♂ 1 ♀ (lt).
- 3 - Mátrafüred Sept. 15, 1986 1 ♂, Sept. 16, 1986 1 ♂ (N, U, B), Mátraháza, Tetves-rét Sept. 7, 1987 3 ♂♂ (Z. Mészáros), Mátraszentistván May 18-Aug. 30, 1983 10 ♂♂ 5 oo (lt), Sept. 22-27, 1984 3 ♂♂, June 16, 1985 2 ♂♂ 1 ♀, June 18, 1985 1 ♂ 2 oo, June 20, 1985 1 ♀, July 7, 1985 1 ♂, July 6, 1985 1 ♂ 2 oo (Sz).
- 4 - Kisgyőr, Bekény Sept. 18, 1986 1 ♂, Sept. 10, 1986 5 ♂♂, Sept. 25, 1986 1 ♂, Sept. 30, 1986 5 ♂♂ 2 oo (lt), Mályinka. Mária-f. May 30, 1986 1 ♂ (PGy), Miskolc-Görömböly Aug. 4-11, 1986 1 ♀ (lt), Nagyvisnyó, Bán-v. July 9, 1983 1 ♂ (N, U), Nagyvisnyó, Huta-rét July 10, 1983 1 ♂ (N, U), Nyékládháza Sept. 18-21, 1986 1 ♂, Sept. 23-29, 1986 2 ♂♂ 1 ♀, Oct. 9-12, 1986 1 ♀ (lt).
- 5 - Bánréve Aug. 6-18, 1986 1 ♀, Aug. 26-31, 1986 3 ♂♂ 1 ♀, Sept. 22-30, 1986 3 ♂♂ 1 ♀, Oct. 2-7, 1986 2 ♂♂ (lt), Jósvafő Sept. 4, 1983 1 ♂, Sept. 28-29, 1983, 1 ♂, July 8, 1984 3 ♂♂, Sept. 16, 1984 1 ♂, Sept. 26-Oct. 22, 1987 8 ♂♂ (lt), Kelemér June 23, 1985 2 ♂♂ 1 ♀, Aug. 10-20, 1985 1 ♀ (IGy).
- 6 - Megyaszó, Ujvilágtanya June 17-21, 1986 1 ♂ (lt).
- 7 - Bodrogszegi Aug. 17-Oct. 27, 1986 6 ♂♂ 6 oo (lt), Kishuta, Senyő July 11-Aug. 1, 1983 1 ♂ (lt).

Limnephilus rhombicus LINNAEUS, 1758

- 3 - Mátraszentistván May 13, 1983 1 ♂, Aug. 20-30, 1983 1 ♂ (lt).
- 4 - Kisgyőr, Bekény Aug. 15, 1986 1 ♂, Aug. 26, 1986 1 ♂ (lt), Miskolc-Görömböly June 1-9, 1986 1 ♂, Aug. 4-11, 1986 1 ♂ (lt), Nagyvisnyó, Huta-rét July 10, 1983 1 ♀ (N, U), Nyékládháza May 20-26, 1986 1 ♂ 1 ♀, Sept. 18-21, 1986 1 ♀ (lt).

- 5 - Jósvafő July 31-Aug. 7, 1983 1 ♂, Sept. 4, 1983 1 ♂, Sept. 9, 1986 1 ♂ 1 ♀, July 19, 1987 1 ♂, Aug. 29, 1987 1 ♂, Sept. 20-22, 1987 1 ♂ (lt), Kelemér<sup>†</sup> May 23, 1985 1 ♀ (IGy).
- 6 - Abod Aug. 30, 1986 1 ♀, Sept. 1, 1986 1 ♂, Sept. 7, 1986 1 ♀ (lt).

Limnophilus sparsus CURTIS, 1834

- 3 - Mátraalmás Aug. 8, 1986 1 ♀ (Mal.t).
- 4 - Nagyvisnyó, Bán-v. July 9, 1983 2 ♀♀ (N, U).
- 5 - Jósvafő July 31-Aug. 7, 1983 1 ♀, Sept. 4, 1983 2 ♂♂, Sept. 13, 1986 1 ♂; Aug. 29, 1987 1 ♂ (lt).
- 6 - Abod Sept. 1, 1986 1 ♂, Sept. 7, 1986 1 ♀, Sept. 15, 1986 1 ♂ 1 ♀ (lt).
- 7 - Bodrogszegi Sept. 14-20, 1986 1 ♀ (lt), Füzér, Bokorrét July 30, 1986 1 ♀ (Á).

Limnophilus tauricus SCHMID, 1964

- 5 - Jósvafő July 31-Aug. 7, 1983 1 ♂ (lt).

Limnophilus vittatus FABRICIUS, 1798

- 2 - Balassagyarmat, Galiba-puszta Oct. 15-16, 1983 1 ♂ (lt).
- 3 - Mátraalmás Oct. 1, 1986 1 ♂ (Mal.t), Mátraszentistván May 8, 1983 1 ♂, May 11, 1983 1 ♂, May 31, 1983 1 ♂, June 3, 1983 1 ♂, Sept. 15-30, 1983 1 ♀ (lt), Sept. 22-27, 1984 2 ♂ (Sz).
- 4 - Kisgyőr, Bekény June 18, 1986 1 ♀, Sept. 25, 1986 1 ♂ (lt), Miskolc-Görömböly May 13-17, 1986 1 ♀, Sept. 23-29, 1986 1 ♂, Oct. 1-4, 1986 1 ♀, Oct. 6-12, 1986 1 ♂, Oct. 20-22, 1986 1 ♂ (lt), Miskolc, Sebesvíz July 8, 1983 3 ♂♂ 1 ♀ (N, U), Nagyvisnyó, Bán-v. July 9, 1983 3 ♂♂ 3 ♀♀ (N, U), Nagyvisnyó, Huta-rét July 10, 1983 3 ♂♂ (N, U), Nagyvisnyó, Keskeny-rét May 29, 1986 1 ♂ (PGy), Nyékládháza Sept. 23-29, 1986 1 ♀, Oct. 23-26, 1986 1 ♀ (lt).
- 5 - Jósvafő July 31-Aug. 7, 1983 1 ♀, Oct. 15-16, 1987 3 ♂♂ 1 ♀ (lt), Kelemér June 23, 1985 1 ♀ (IGy).
- 6 - Megyaszó, Ujvilágtanya June 1-6, 1986 2 ♂♂ 1 ♀, June 3-6, 1986 2 ♂♂ (lt).
- 7 - Bodrogszegi May 18-25, 1986 1 ♀, Sept. 21-Oct. 27, 1986 9 ♂♂ 6 ♀♀ (lt), Tarcál, Kis-Kopasz May 13, 1986 1 ♂ (PGy).

Colpotauius (Limnophilus) incisus CURTIS, 1834

- 4 - Miskolc-Görömböly July 1-7, 1986 1 ♂ (lt).
- 7 - Bodrogszegi June 8-22, 1986 1 ♀ (lt).

Grammotaulius nigropunctatus RETZIUS, 1783

- 1 - Nagybörzsöny, Kisinóc Aug. 26, 1983 1 ♂ (Sz).
- 3 - M. szentistván May 10, 1983 1 ♀ (lt), Sept. 22-27, 1984 2 ♂♂ (Sz), Mátrakeresztés June 2, 1986 1 ♂ (lt).<sup>†</sup>
- 4 - Kisgyőr, Bekény Sept. 8, 1986 1 ♂ (lt), Mályinka, Mária-f. May 30, 1986 2 ♂♂ (PGy), Miskolc-Görömböly Sept. 15-22, 1986 1 ♂ (lt), Nagyvisnyó, Hármas-kút July 8, 1983 1 ♀ (Sz. Uherkovich).
- 5 - Jósvafő Sept. 16, 1984 2 ♂♂, Sept. 10, 1986 1 ♂, Sept. 13, 1986 1 ♂, Sept. 19, 1987 1 ♀ (lt).
- 7 - Bodrogszegi May 4-8, 1986 1 ♀, Sept. 21-27, 1986 1 ♂, Oct. 6-12, 1986 1 ♂ (lt), Tarcál, Kis-Kopasz May 13, 1986 1 ♀ (PGy).

Grammotaulius nitidus MÜLLER, 1764

- 1 - Nagybörzsöny, Kisirtás-puszta June 19, 1980 1 ♂ (L. Ronkay).
- 3 - Kisgyőr, Bekény June 18, 1986 1 ♀ (lt), Nagyvisnyó, Huta-rét July 10, 1983 1 ♂ (N, U), Nagyvisnyó, Keskeny-rét May 29, 1986 1 ♀ (PGy).
- 6 - Megyaszó, Ujvilágtanya June 17-21, 1986 1 ♂ (lt).<sup>†</sup>
- 7 - Bodrogszegi Aug. 10-17, 1986 1 ♀ (lt).

Glyphotaelius pellucidus RETZIUS, 1783

- 4 - Nagyvisnyó, Bán-v. June 10, 1984 1 ♀ (N, U).
- 7 - Bodrogszegi Aug. 17-24, 1986 1 ♂ (lt).

Anabolia furcata BRAUER, 1857

- 3 - Mátraszentistván Sept. 22-27, 1984 1 ♂ (Sz), Parád Sept. 17, 1986 1 ♂ (N, U).
- 4 - Nyékládháza July 1-8, 1986 1 ♂, Sept. 18-21, 1986 1 ♂ (lt).

Potamophylax latipennis CURTIS, 1834

- 3 - Mátrafüred Sept. 15, 1986 3 ♂♂, Sept. 16, 1986 1 ♀ (N, U), Mátraháza, Tetves-rét Sept. 7, 1987 1 ♀ (Z. Mészáros), Mátrakeresztés Aug. 19-Oct. 9, 1986 31 ♂♂ 3 ♀♀, Sept. 2-24, 1987 14 ♂♂ (lt), Sept. 2, 1986 1 ♀ (Mal.t), Mátraszentistván Aug. 20-30, 1983 4 ♂♂ (lt), Sept. 22-27, 1984 1 ♂ (Sz).
- 5 - Jósvafő July 14-15, 1987 1 ♀, Aug. 21-24, 1987 1 ♀ (lt).

Potamophylax nigricornis PICTET, 1834

- 1 - Nagybörzsöny, Kisinóc Aug. 26, 1983 2 ♀♀ (Sz).
- 3 - Mátrafüred July 2, 1987 3 ♂♂ (B), Mátrakeresztes June 9-Aug. 13, 1986 6 ♂♂, June 20, 1987 1 ♂, June 29, 1987 1 ♂ (lt), Mátraszentistván April 26-Aug. 18, 1983 20 ♂♂ 2 ♀♀ (lt), July 1, 1983 1 ♂, June 16, 1985 1 ♀, June 20, 1985 1 ♂, July 6, 1985 1 ♂ (Sz).
- 4 - Bükkzsérc, Hosszú-v. July 5, 1983 1 ♂ 14 ♀♀ (N, U), Nagyvisnyó, Bán-v. June 10, 1984 1 ♀ (N, U), Felsőtárkány, Lök-v. July 6, 1983 3 ♂♂ 15 ♀♀ (N, U).
- 5 - Jósvalfó July 31-Aug. 7, 1983 1 ♂, May 13-Aug. 3, 1985 24 ♂♂ 8 ♀♀, July 8-Aug. 11, 1987 7 ♂♂ (lt), Kelemér June 23, 1985 1 ♂ (IGy).
- 6 - Abod June 15, 1986 1 ♂ (lt).
- 7 - Hollóháza July 22, 1986 1 ♂ (Á), Kishuta, Senyő July 27, 1986 2 ♀♀ (Á).

Potamophylax rotundipennis BRAUER, 1857

- 3 - Parád Sept. 17, 1986 1 ♀ (N, U).

Halesus digitatus SCHRANK, 1781

- 1 - Bernecebaráti Oct. 15, 1986 2 ♀♀ (phert).
- 3 - Gyöngyössolymos Oct. 21, 1986 1 ♀ (phert), Mátraalmás July 19-Oct. 4, 1986 5 ♂♂ 5 ♀♀ (Mal.t), Mátrakeresztes Sept. 10-Oct. 30, 1986 30 ♂♂ 19 ♀♀, Sept. 8-Oct. 5, 1987 18 ♂♂ 4 ♀♀ (lt), Mátraszentistván Aug. 10-18, 1983 1 ♀ (lt), Sept. 22-27, 1984 15 ♂♂ 6 ♀♀, Sept. 12, 1985 23 ♂♂ (Sz), Parád, Sept. 17, 1986 1 ♂ 1 ♀ (N, U), Parádfürdő, Ilona-v. Oct. 12, 1987 1 ♂ (U).
- 5 - Jósvalfó July 31-Aug. 7, 1983 1 ♂ 3 ♀♀, Sept. 4, 1983 1 ♂ 1 ♀, Sept. 28-29, 1983 48 ♂♂ 11 ♀♀, July 8, 1984 1 ♂ 1 ♀, Aug. 31-Sept. 1, 1984 1 ♂, Sept. 19-20, 1984 2 ♂♂ 1 ♀, Sept. 21, 1984 5 ♂♂, Sept. 16, 1984 1 ♀, Aug. 3-Sept. 30, 1985 18 ♂♂ 6 ♀♀, Sept. 10-16, 1986 7 ♂♂ 6 ♀♀, Aug. 19-Oct. 22, 1987 15 ♂♂ 8 ♀♀ (lt).

Halesus lesseletatus RAMBUR, 1842

- 1 - Bernecebaráti Oct. 9, 1986 1 ♂ 1 ♀, Oct. 15, 1986 4 ♂♂ 1 ♀, Nov. 5, 1986 1 ♀ (phert).
- 5 - Jósvalfó July 31-Aug. 7, 1983 1 ♀, Sept. 28-29, 1983 1 ♀, Sept. 19-20, 1984 1 ♂, Sept. 21, 1984 2 ♂♂ 1 ♀, Sept. 14-30, 1985 7 ♂♂ 1 ♀, Sept. 14, 1986 1 ♀, Sept. 15, 1986 1 ♀, Sept. 16-17, 1987 2 ♂♂, Sept. 20-22, 1987 2 ♂♂ (lt).
- 7 - Bodrogszegi Oct. 6-12, 1986 1 ♀ (lt).

Stenophylax permistus McLACHLAN, 1895

- 2 - Balassagyarmat, Galiba-pusztá Oct. 15-16, 1983 1 ♂ (lt).
- 3 - Kiskútna May 26, 1987 1 ♂ (U), Mátraalmás June 13, 1986 1 ♀ (Mal.t), Mátrakeresztes June 4, 1986 1 ♀ (lt), Mátraszentistván May 9-27, 1983 8 ♂♂ 6 ♀♀, Aug. 10-18, 1983 1 ♀ (lt), June 16, 1985 1 ♂, June 20, 1985 2 ♂♂ 2 ♀♀, July 7, 1985 1 ♂, July 6, 1985 1 ♂ (Sz), Mátraszentlászló June 19, 1987 1 ♂ (Mal.t).
- 4 - Kisgyőr, Bekény Sept. 8, 1986 1 ♂ 1 ♀, Sept. 10, 1986 1 ♀, Sept. 30, 1986 1 ♂ 1 ♀ (lt), Mályinka, Mária-f. May 30, 1986 1 ♀ (PGy), Miskolc-Görömböly May 7-12, 1986 1 ♂ 1 ♀, May 13-17, 1 ♀, May 24-27, 1986 2 ♂♂ 1 ♀ (lt), Nagyvisnyó, Keskeny-rét May 29, 1986 1 ♂ (PGy).
- 5 - Bánréve Sept. 22-30, 1986 1 ♂ (lt), Jósvalfó Sept. 4, 1983 18 ♂♂ 7 ♀♀, Sept. 28-29, 1983 20 ♂♂ 16 ♀♀, July 8, 1984 3 ♂♂ 4 ♀♀, Aug. 31-Sept. 16, 1984 28 ♂♂ 32 ♀♀, May 13, 1985 1 ♂, June 1, 1985 1 ♂, June 14, 1985 1 ♂, Sept. 14-30, 1985 3 ♂♂ 5 ♀♀, Sept. 3-16, 1986 26 ♂♂ 18 ♀♀, Aug. 29-Sept. 30, 1987 41 ♂♂ 52 ♀♀ (lt).
- 6 - Abod June 8, 1986 1 ♀, Sept. 4, 1986 1 ♂, Sept. 22, 1986 1 ♀ (lt), Megyaszó, Ujvilágtanya.
- 7 - Bodrogszegi Sept. 21-27, 1986 1 ♂ (lt), Tarcal, Kis-Kopasz May 13, 1986 2 ♂♂ (PGy).

Stenophylax vibex CURTIS, 1834

- 3 - Mátraalmás May 28, 1986 1 ♂ (Mal.t), Mátrakeresztes Sept. 19, 1986 1 ♂ (lt), Mátraszentistván June 13, 1985 2 ♂♂ 1 ♀, June 20, 1985 2 ♂♂ 3 ♀♀, July 7, 1985 1 ♀ (Sz), Mátraszentlászló June 3, 1987 1 ♀, June 13, 1987 1 ♂ (Mal.t).
- 4 - Kisgyőr, Bekény June 18, 1986 1 ♀ (lt), Nagyvisnyó, Keskeny-rét May 29, 1986 1 ♀ (PGy).

Microptera lateralis STEPHENS, 1837

- 3 - Mátraszentistván June 18, 1985 1 ♂ (Sz).
- 4 - Bükkzsérc, Hosszú-v. July 5, 1983 1 ♀ (N, U), Nagyvisnyó, Hármaskút July 8, 1983 1 ♀ (Sz. Uherkovich).
- 6 - Abod June 18, 1986 1 ♂ (lt).
- 7 - Kishuta, Senyő July 11-Aug. 1, 1983 1 ♂ (lt).

Micropterna nycterobia McLACHLAN, 1875

- 1 - Nagybörzsöny, Kisirtás-puszta June 19, 1980 1 ♀ (L. Ronkay).  
3 - Gyöngyösoroszi May 26, 1987 1 ♀ (U), Mátraalmás Sept. 28, 1986 1 ♂, Oct. 1, 1986 1 ♀ (Mal.t), Mátrakeresztés June 1, 1986 1 ♀, June 8, 1986 1 ♀, July 7, 1986 1 ♀, Sept. 28, 1986 1 ♂, Oct. 1, 1986 3 ♂♂, Oct. 14, 1986 1 ♂ (lt), Mátrászentlászló June 25-July 14, 1987 6 ♂♂ 1 ♀ (Mal.t), Mátrászentistván May 18, 1983 1 ♀, June 23, 1983 1 ♂ 1 ♀, Aug. 10-18, 1983 1 ♂, Sept. 15-30, 1983 1 ♂ (lt), Sept. 22-27, 1984 1 ♂ 1 ♀, June 16, 1985 2 ♂♂, June 18, 1985 2 ♂♂ 2 ♀♀, June 20, 1985 12 ♂♂ 3 ♀♀, July 7, 1983 2 ♂♂ (Sz).  
4 - Nagyvisnyó, Huta-rét July 10, 1983 2 ♂♂ (N, U).

Micropterna sequax McLACHLAN, 1875

- 1 - Nagybörzsöny, Kisinóc Aug. 26, 1983 1 ♀ (Sz).  
3 - Mátrafüred Sept. 16, 1986 1 ♂ (N, U), July 2, 1987 1 ♂ (B), Mátrakeresztés Aug. 20, 1986 1 ♂ (Mal.t), Mátrászentistván July 2-6, 1983 1 ♂ (lt).  
4 - Kisgyőr, Bekény Aug. 4, 1986 1 ♂ (lt).  
5 - Jósvafő Sept. 4, 1983 1 ♀, Sept. 10, 1986 1 ♂ (lt).  
6 - Abod Sept. 10, 1986 1 ♂ (lt).

Micropterna testacea GMELIN, 1789

- 2 - Balassagyarmat, Galiba-puszta Oct. 15-16, 1983 3 ♂♂ 1 ♀ (lt).  
3 - Bükkszék May 28, 1987 1 ♂ (U), Mátrászentistván May 9, 1983 1 ♂ (lt).  
4 - Miskolc-Görömböly Oct. 1-4, 1986 1 ♂ (lt).  
5 - Jósvafő Sept. 28-29, 1983 5 ♂♂ 2 ♀♀, July 8, 1984 22 ♂♂ 15 ♀♀, Sept. 16, 1984 1 ♂, Sept. 1, 1985 1 ♀, Sept. 10-Oct. 16, 1987 10 ♂♂ 8 ♀♀ (lt).

Chaetopteryx fusca BRAUER, 1857

- 1 - Bernecebaráti Nov. 5, 1986 1 ♂ (phert).  
3 - Gyöngyössolymos Nov. 13, 1986 2 ♂♂ (phert), Parád Oct. 21, 1986 1 ♂, Nov. 5, 1986 4 ♂♂, Nov. 13, 1986 10 ♂♂ 2 ♀♀ (phert).  
5 - Jósvafő Oct. 15-16, 1987 1 ♂ (lt).<sup>††</sup>

G o e r i d a e

Goera pilosa FABRICIUS, 1775

- 3 - Gyöngyöspata May 27, 1987 1 ♂ (U).  
5 - Bánréve May 14-16, 1986 1 ♀, July 4-11, 1986 1 ♀, Aug. 6-8, 1986 1 ♂ 3 ♀♀ (lt), Jósvafő June 16-17, 1987 2 ♀♀ (lt).  
6 - Abod June 12-July 6, 1986 10 ♂♂ 4 ♀♀ (lt).

Lithax obscurus HAGEN, 1859

- 3 - Parádsasvár May 26, 1987 3 ♂♂ (U), Szurdokpüspöki May 27, 1987 6 ♂♂ (U).  
5 - Putnok June 11, 1984 6 ♂♂ 2 ♀♀ (N, U).  
6 - Abod June 18, 1986 1 ♂ (lt).

Silo pallipes FABRICIUS, 1781

- 3 - Mátrafüred July 2, 1987 7 ♂♂ 1 ♀ (B), Mátrakeresztés May 29, 1986 1 ♀, June 28, 1987 1 ♀ (lt), May 25, 1986 1 ♀ (Mal.t), Mátrászentistván July 1, 1983 1 ♂ (Sz).  
4 - Felsőtárkány, Lök-v. July 6, 1983 2 ♂♂ 1 ♀ (N, U).

Silo piceus BRAUER, 1857

- 1 - Nagybörzsöny, Kisirtás-puszta June 19, 1980 1 ♂ (L. Ronkay).  
4 - Felsőtárkány, Lök-v. July 6, 1983 1 ♀ (N, U).

L e p i d o s t o m a t i d a e

Lepidostoma hirtum FABRICIUS, 1775

- 4 - Felsőtárkány, Lök-v. July 6, 1983 1 ♀ (N, U).  
7 - Füzér, Bokorrét July 30, 1986 1 ♀ (A).

Crunoecia irrorata CURTIS, 1834

- 3 - Mátrakeresztés June 14, 1986 1 ♂ (lt), Parádsasvár Sept. 17, 1986 1 ♂ (N, U).  
4 - Nagyvisnyó, Bán-v. Sept. 27, 1984 1 ♂ (N, U), Szilvásvárad July 10, 1986 1 ♂ (U).  
7 - Bodrogszegi Aug. 25-31, 1986 1 ♂ (lt).

L e p t o c e r i d a e

Athripsodes albifrons LINNAEUS, 1758

- 4 - Felsőtárkány, Lök-v. July 6, 1983 1 ♀ (N, U).

Athripsodes aterrimus STEPHENS, 1836

- 4 - Nyékládháza May 28-31, 1986 1 ♂ (lt).  
7 - Bodrogszegi May 12-18, 1986 1 ♀, May 18-25, 1986 1 ♀ (lt).

Athripsodes bilineatus LINNAEUS, 1758

3 - Mátraalmás July 22, 1986 1 ♂ (Mal.t).

Athripsodes cinereus CURTIS, 1834

6 - Abod June 18, 1986 1 ♂ (lt).

Ceraclæa dissimilis STEPHENS, 1836

1 - Nagybörzsöny, Kisinóc Aug. 26, 1983 1 ♀ (Sz).

4 - Kisgyőr, Bekény Aug. 4, 1986 1 ♀, Aug. 21, 1986 1 ♂ (lt), Miskolc-Görömböly July 1-7, 1986 1 ♀ (lt), Nyékládháza May 28-31, 1986 2 ♂♂ 1 ♀, July 1-8, 1986 2 ♂♂, Aug. 27-31, 1986 1 ♀ (lt).

5 - Bánréve Aug. 19-25, 1986 1 ♀ (lt).

6 - Abod July 12, 1986 1 ♂ (lt).

7 - Bodrogszegi June 8-12, 1986 2 ♂♂, June 22-29, 1986 1 ♂, Aug. 10-17, 1986 1 ♂ (lt).

Mystacides longicornis LINNAEUS, 1758

4 - Miskolc-Görömböly June 16-23, 1986 1 ♂ (lt), Nyékládháza May 13-July 8, 1986 2 ♂♂ 8 ♀♀ (lt).

6 - Abod July 17, 1986 1 ♀, July 24, 1986 1 ♀ (lt), Megyaszó June 1-6, 1986 1 ♀ (lt).

Mystacides nigra LINNAEUS, 1758

3 - Parászsavár June 4, 1987 10 ♂♂ 1 ♀ (T).

4 - Nyékládháza May 13-19, 1986 1 ♀ (lt).

Triænodes bicolor CURTIS, 1834

7 - Bodrogszegi May 12-18, 1986 1 ♀, June 8-22, 1986 1 ♀ (lt).

Oecetis furva RAMBUR, 1842

4 - Miskolc-Görömböly July 1-7, 1986 3 ♂♂ 1 ♀, Aug. 10-18, 1986 1 ♀ (lt), Miskolc, Sebesvíz July 8, 1983 1 ♂ (N, U), Nyékládháza May 13-19, 1986 1 ♂ 1 ♀, May 28-31, 1986 1 ♂, July 1-8, 1986 1 ♂ (lt).

7 - Bodrogszegi May 18-Aug. 17, 1986 2 ♂♂ 9 ♀♀ (lt).

Oecetis lacustris PICTET, 1834

4 - Miskolc-Görömböly July 1-7, 1986 1 ♀ (lt), Nyékládháza May 28-31, 1986 1 ♀, June 18-23, 1986 1 ♂ 1 ♀, Sept. 18-21, 1986 2 ♀♀ (lt).

5 - Bánréve June 3-10, 1986 1 ♀ (lt).

6 - Abod July 24, 1986 1 ♀, Aug. 17, 1986 1 ♀ (lt).

Oecetis ochracea CURTIS, 1825

4 - Miskolc-Görömböly June 1-9, 1986 1 ♀, July 1-7, 1986 1 ♂ (lt), Nagyvisnyó, Bán-v. June 11, 1984 1 ♂ (N, U), Nyékládháza May 13-July 31, 1986 4 ♂♂ 5 ♀♀ (lt).

5 - Jósvalfó Sept. 3-4, 1987 2 ♂♂ (lt).

6 - Abod June 10, 1986 1 ♂, June 23, 1986 1 ♂, June 26, 1986 1 ♂ (lt), Szerencs May 14, 1986 2 ♀♀ (PGY).

7 - Bodrogszegi Oct. 12-14, 1986 1 ♂ (lt), Háromhuta, Istvánkút July 25, 1986 1 ♂ (A).

Leptocerus tineiformis CURTIS, 1834

3 - Mátrakeresztes July 17, 1987 1 ♀ (lt).

4 - Miskolc-Görömböly June 16-23, 1986 1 ♂ 2 ♀♀, July 1-7, 1986 1 ♂ (lt).

6 - Megyaszó, Ujvilágtanya June 17-21, 1986 1 ♀ (lt).

7 - Bodrogszegi May 26-31, 1986 2 ♀♀, June 8-22, 1986 21 ♂♂ 44 ♀♀, July 8-12 1 ♀ (lt).

Sericostomatidae

Notidobia ciliaris LINNAEUS, 1761

3 - Gyöngyöspata May 27, 1987 5 ♂♂ 1 ♀ (U).

Oecismus monedula HAGEN, 1859

3 - Szurdokpüspöki May 27, 1987 1 ♀ (A, Varga).

7 - Kishuta, Senyő July 27, 1986 1 ♀ (A).

Sericostoma personatum KIRBY et SPENCE, 1862

3 - Mátrafüred July 2, 1987 6 ♂♂ (B), Mátrakeresztes June 5-15, 1986 10 ♂♂, June 13, 1987 1 ♂, June 14, 1987 1 ♂, June 15, 1987 1 ♂, July 2, 1987 1 ♂ (lt), Mátraszentistván May 12, 1983 1 ♂, May 18, 1983 1 ♂ (lt), July 6, 1985 4 ♂♂ 3 ♀♀, July 7, 1985 1 ♂ (Sz).

4 - Nagyvisnyó, Bán-v. July 9, 1983 11 ♂♂ 7 ♀♀ (N, U).

5 - Jósvalfó July 1-2, 1987 1 ♂ (lt).

## Beraeidae

### Beraea pullata CURTIS, 1834

- 3 - Gyöngyöspata May 27, 1987 2 ♂♂ 2 ♀♀ (U), Mátrakeresztes May 21, 1986 1 ♀, May 23, 1986 1 ♂ (lt), Szurdokpüspöki May 27, 1987 3 ♂♂ 2 ♀♀ (U).  
4 - Nagyvisnyó, Bán-v. June 10, 1984 5 ♂♂ 2 ♀♀, June 12, 1984 14 ♂♂ 11 ♀♀ (N,U), Nagyvisnyó, Nagy-v. June 10, 1984 2 ♂♂ (N,U).

## Odontoceridae

### Odontocerum albicorne SCOPOLI, 1763

- 3 - Mátrafüred July 2, 1987 1 ♂ 1 ♀ (B), Mátrakeresztes June 13-Aug. 27, 1986 19 ♂♂ 11 ♀♀, July 3-Aug. 27, 1987 12 ♂♂ 7 ♀♀ (lt), Mátraszentistván June 3-Aug. 30, 1983 4 ♂♂ 2 ♀♀ (lt), July 1, 1983<sup>2</sup> ♂♂ (Sz).  
4 - Nagyvisnyó, Bán-v. July 9, 1983 10 ♂♂ 22 ♀♀ (N,U), July 10, 1986 1 ♀ (U).  
5 - Jósvalfó June 11, 1984 47 ♂♂ 4 ♀♀ (N,U), July 11, 1986 1 ♂ 1 ♀ (U), July 16-Aug. 16, 1987 7 ♀♀ (lt).

## DISCUSSION

The material contains many Limnephilidae species. They are typical animals in light-trap materials. Rather poor is the proportion of hydroptilids, glossosomatids and philopotamids. The hydroptilids escape the collectors' attention usually because of their minute size. Most glossosomatids and philopotamids are mainly diurnal caddisflies. The light traps of the plant protection service were set far from waters, therefore, they captured only the mobile species (Hydropsychidae, Limnephilus, other limnephilids and leptocerids). The best results were obtained from traps set along or near the waters (Bodrogszegi, Mátrakeresztes). The quantitative data of some light traps are given in the tables after this section.

Several rare species were discovered in the Northern Mountains during these examinations.

Rhyacophila nubila ZETT. Some data from the Bükk Mountains have been known (UJHELYI 1974, KISS 1979, 1987). It is a very rare species which was recently captured at Abod.

Rhyacophila pubescens PICT. It has been known from the Zemplén (OLÁH 1967) and the Bükk Mountains: Sebesvíz (UJHELYI 1974) and Szilvásvárad, Szalajka Valley (KISS 1979, 1983). We collected this rare species twice at Nagyvisnyó, Bán Valley.

Agapetus delicatulus McL. This species occurs all over Europe and has not been known from Hungary until recently. The first occurrence was published by NÓGRÁDI (1984) from Szóce, W. Hungary and the Bükk Mountains. Later it was collected at Magyarszombatfa and at Barcs (NÓGRÁDI 1986). S. Andrikovics found it at Szentendré (NÓGRÁDI et al. 1989). Its new locality is Bodrogszegi (Fig. 3).

Oxyethira flavicornis PICT. The first specimens were collected at Barcs, South Hungary (NÓGRÁDI 1985a, 1985b). A male was captured at Nyéklázháza. A species inhabiting rivers and stagnant waters of lowlands.

Allotrichia pallicornis EATON. The unique specimen was presented by KISS (1983) from Szalajka Valley, Bükk Mountains. The light trap functioning at Abod has captured a female in the year of 1986 (Fig. 3).

Holocentropus dubius RAMB. UJHELYI (1981b) mentioned it from Tanakajd, West Hungary. Later it was collected at Darány, Tatabánya and Nemeskeresztúr. A male and a female were captured at Bodrogszegi, in 1986.

Phryganea bipuncta RETZ. We already summarized its Hungarian distributional data (NÓGRÁDI and UHERKOVICH 1985). KISS (1979) mentioned its occurrence in the Bükk Mountains. A new locality is Bodrogszegi (Fig. 4).

Limnephilus tauricus SCHMID. The first home specimen - a female - was captured by the light trap set at the foot of the Börzsöny Mountains (CHANTARAMONG-KOL 1983). The second specimen came to light at Jósvalfó (NÓGRÁDI 1988).

Lepidostoma hirtum FABR. Six localities were published in the past years: Zemplén Mountains (OLÁH 1967), Bükk: Szalajka Valley (KISS 1979), Bakonyháza (NÓGRÁDI and UHERKOVICH 1985), Kisdobsza and Magyarszombatfa (NÓGRÁDI and UHERKOVICH 1988). Its newly discovered localities are Felsőtárkány and Füzér (Fig. 4).

Athripsodes albifrons L. UJHELYI (1971) mentioned this rare species from Csepel, Szolnok and Kismegyer. Later he collected it in the Mátra Mountains (UJHELYI 1985). We have caught a female at Felsőtárkány, Bükk Mountains.

This time we do not wish to give ecological, phenological and zoogeographical analysis. It will be the task of a succeeding paper. Now our purpose was only to give several trichopterozoological data for the next summarizing work.

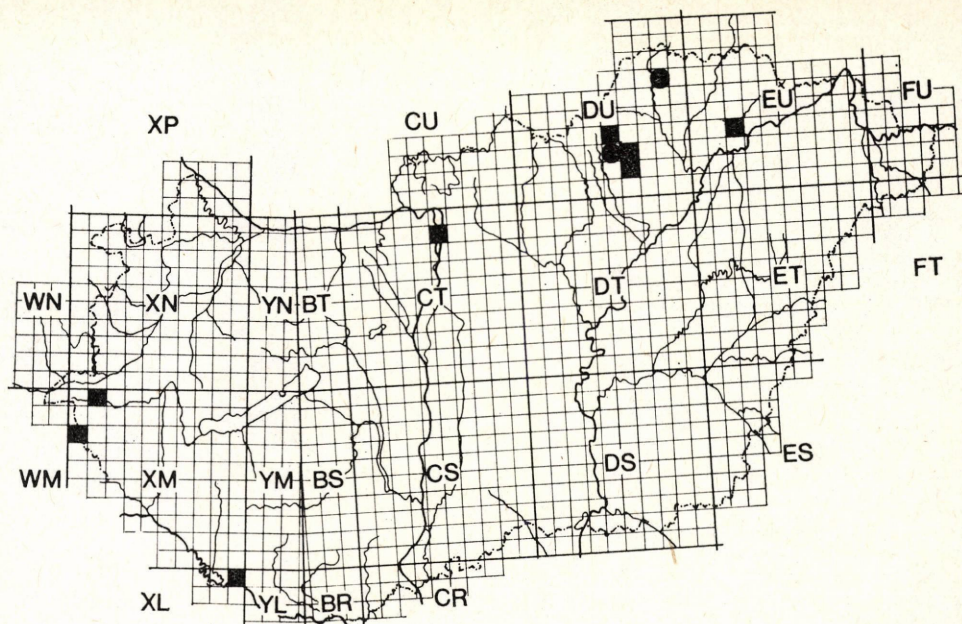


Fig. 3. Hungarian distribution data of *Agapetus delicatulus* (black square) and *Allotrichia pallicornis* (full circle).  
 3. ábra. Az *Agapetus delicatulus* (fekete négyzet) és az *Allotrichia pallicornis* (fekete kör) hazai elterjedési adatai.

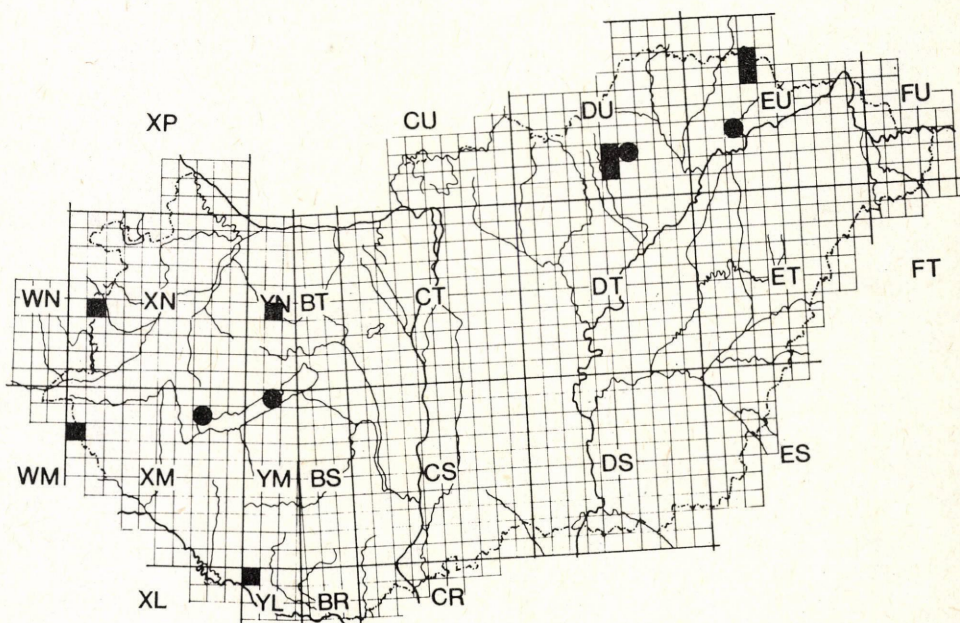


Fig. 4. Hungarian distribution data of *Phryganea bipuncta* (full circle) and *Lepidostoma hirtum* (black square).  
 4. ábra. A *Phryganea bipuncta* (fekete kör) és a *Lepidostoma hirtum* (fekete négyzet) hazai elterjedési adatai.

Table 1. Localities, grid references, number of species and specimens, collectors. (In brackets there are the administrative headquarters of settlement)

No Settlement (Locality), Region	Grid. ref.	Number sp.	Number of specimens	Collectors
<b>BÖRZSÖNY MOUNTAINS</b>				
1 Bernecebaráti	CU42	4	11 ♂♂	5 ♀♀ fer.t
2 Nagybörzsöny, Kisinóc	CU40	8	6 ♂♂	7 ♀♀ Sz
3 Nagybörzsöny, Kisirtás-pusztá	CU40	6	4 ♂♂	16 ♀♀ L. Ronkay
<b>CSERHÁT and GÖDÖLLŐ DOWNS</b>				
4 Balassagyarmat, Galiba-pusztá	CU72	5	6 ♂♂	8 ♀♀ lt
<b>MÁTRA MOUNTAINS</b>				
5 Bükkszék	DU31	2	6 ♂♂	2 ♀♀ U
6 (Gyöngyös-) Mátrafüred	DT29	20	146 ♂♂	103 ♀♀ N, U, B
7 (Gyöngyös-) Mátraháza, Tetves-rét	DU20	4	5 ♂♂	3 ♀♀ Z. Mészáros
8 Gyöngyösoroszi	DT19	1	1 ♂	1 ♀ U
9 Gyöngyöspata	DT09	8	14 ♂♂	6 ♀♀ U, A. Varga
10 Gyöngyössolymos	DT29	4	24 ♂♂	1 ♀ fer.t
11 Hasznos	DU00	1	1 ♂	1 ♀ U
12 (Hasznos-) Mátrakeresztés	DU10	33	433 ♂♂	321 ♀♀ N, U, lt, Mal.t
13 Kiszána	DU30	2	2 ♂♂	2 ♀♀ N, U
14 (Mátraszentimre-) Galyatető	DU10	1	2 ♂♂	2 ♀♀ N, U
15 (Mátraszentimre-) Mátraszentistván	DU10	33	267 ♂♂	133 ♀♀ Sz, lt
16 (Mátraszentimre-) Mátraszentlászló	DU10	4	7 ♂♂	4 ♀♀ T, Mal.t
17 Parád	DU20	8	23 ♂♂	10 ♀♀ N, U, fer.t
18 (Parád-) Parádfürdő	DU20	1	1 ♂	1 ♀ U
19 Parádsasvár	DU20	3	14 ♂♂	1 ♀ N, U, T
20 (Szuha-) Mátraalmás	DU10	13	13 ♂♂	21 ♀♀ Mal.t
21 Szurdokpüspöki	DU00	3	9 ♂♂	3 ♀♀ U, A. Varga
<b>BÜKK MOUNTAINS</b>				
22 Bükkzsérc, Hosszú-v.	DU61	9	21 ♂♂	49 ♀♀ N, U
23 Felsőtárkány, Lök-v.	DU51	13	36 ♂♂	110 ♀♀ N, U
24 Kisgyőr, Bekény	DU71	21	140 ♂♂	112 ♀♀ lt
25 Mályinka, Mária-f.	DU63	5	4 ♂♂	2 ♀♀ PGy
26 Miskolc, Sebesvíz	DU62	7	6 ♂♂	8 ♀♀ N, U
27 Miskolc-Görömböly	DU82	30	131 ♂♂	174 ♀♀ lt
28 Nagyvisnyó, Bán-v.	DU53	28	300 ♂♂	264 ♀♀ N, U
29 Nagyvisnyó, Hármaskút	DU62	2	2 ♂♂	2 ♀♀ Sz. Uherkovich
30 Nagyvisnyó, Huta-rét	DU62	13	20 ♂♂	8 ♀♀ N, U
31 Nagyvisnyó, Keskeny-rét	DU62	5	3 ♂♂	8 ♀♀ PGy
32 Nagyvisnyó, Nagy-v.	DU53	2	4 ♂♂	4 ♀♀ N, U
33 Nyékládháza	DU81	26	149 ♂♂	328 ♀♀ lt
34 Szarvaskő	DU51	2	4 ♂♂	1 ♀ N, U
35 Szilvásvár	DU52	3	15 ♂♂	8 ♀♀ N, U
<b>KARST OF NORTH BORSOD and HEVES-BORSOD HILLY REGION</b>				
36 Bánréve	DU54	20	127 ♂♂	142 ♀♀ lt
37 Jósvalfő	DU67	39	721 ♂♂	1154 ♀♀ N, U, lt
38 Kelemér	DU55	6	6 ♂♂	23 ♀♀ IGy
39 Putnok	DU55	1	6 ♂♂	2 ♀♀ N, U
40 Szin	DU77	1	4 ♂♂	2 ♀♀ U
41 Szögliget	DU77	2	2 ♂♂	1 ♀ U
<b>CSEREHÁT DOWNS and HARANGOD</b>				
42 Abod	DU86	35	212 ♂♂	1296 ♀♀ lt
43 Megyaszó, Ujvilágtanya	EU03	13	15 ♂♂	28 ♀♀ lt
44 Szerencs	EU13	3	3	6 ♀♀ PGy
<b>ZEMPLÉN MOUNTAINS</b>				
45 Bodrogszegi	EU23	35	282 ♂♂	504 ♀♀ lt
46 Füzér, Bokorrét	EU37	5	9 ♂♂	11 ♀♀ A
47 Háromhuta, Istvánkút	EU36	3	6 ♂♂	6 ♀♀ A
48 Hollóháza	EU37	1	1 ♂	1 ♀ A
49 Kishuta, Senyő	EU36	15	74 ♂♂	84 ♀♀ A, lt
50 Tarcal, Kis-Kopasz	EU22	6	7 ♂♂	4 ♀♀ PGy



Table 2. Summarized quantitative data of Trichoptera from Abod, light trap.

Rhyacophila nubila	1 ♂	
Agapetus ochripes	2 ♂	
Allotrichia pallicornis		1 ♀
Hydropsyche angustipennis	3 ♂	
H. bulbifera	20 ♂	
H. bulgaromanorum	2 ♂	
H. contubernalis	63 ♂	
H. instabilis	2 ♂	
H. modesta	1 ♂	
H. pellucidula	77 ♂	
H. sp. indet. females		1242 ♀
Neureclipsis bimaculata		7 ♀
Polycentropus flavomacul.		10 ♀
Cyrnus trimaculatus		5 ♀
Plectrocnemia conspersa	1 ♂	
Psychomyia pusilla		5 ♀
Ecnomus tenellus	1 ♂	7 ♀
Phryganea grandis		1 ♀
Limnephilus affinis	1 ♂	
L. auricula	2 ♂	
L. extricatus	1 ♂	2 ♀
L. flavicornis	5 ♂	1 ♀
L. hirsutus	4 ♂	
L. ignavus	4 ♂	1 ♀
L. rhombicus	1 ♂	2 ♀
L. sparsus	2 ♂	2 ♀
Micropterna lateralis	1 ♂	
M. sequax	1 ♂	
Stenophylax permistus	1 ♂	2 ♀
Potamophylax nigricornis	1 ♂	
Goera pilosa	10 ♂	4 ♀
Athripsodes cinereus	1 ♂	
Ceraclea dissimilis	1 ♂	
Mystacides longicornis		2 ♀
Oecetis lacustris		2 ♀
Oe. ochracea	3 ♂	
altogether	212 ♂	1296 ♀

Table 3. Summarized quantitative data of Trichoptera from Bánréve, light trap.

Hydropsyche bulbifera	30 ♂	
H. bulgaromanorum	1 ♂	
H. contubernalis	1 ♂	
H. angustipennis	1 ♂	
H. modesta	2 ♂	
H. pellucidula	57 ♂	
H. sp. indet. females		117 ♀
Neureclipsis bimaculata	1 ♂	7 ♀
Cyrnus trimaculatus	1 ♂	
Ecnomus tenellus	2 ♂	2 ♀
Trichostegia minor		1 ♀
Limnephilus affinis	2 ♂	1 ♀
L. extricatus	1 ♂	
L. flavicornis	2 ♂	
L. hirsutus	3 ♂	1 ♀
L. ignavus	13 ♂	3 ♀
L. lunatus	8 ♂	3 ♀
Stenophylax permistus	1 ♂	
Goera pilosa	1 ♂	5 ♀
Ceraclea dissimilis		1 ♀
Oecetis lacustris		1 ♀
altogether	127 ♂	142 ♀

Table 4. Summarized quantitative data of Trichoptera from Bodrogszegi, lt.

Agapetus delicatulus		1 ♀
Hydropsyche bulgaromanorum	55 ♂	
H. contubernalis	3 ♂	
H. instabilis	1 ♂	
H. modesta	3 ♂	
H. pellucidula	9 ♂	
H. sp. indet. females		203 ♀
Neureclipsis bimaculata	81 ♂	169 ♀
Holocentropus dubius	1 ♂	1 ♀
H. picicornis		5 ♀
Cyrnus crenaticornis		1 ♀
Ecnomus tenellus	1 ♂	13 ♀
Phryganea bipuncta		1 ♀
Agrypnia varia	4 ♂	
Limnephilus affinis	2 ♂	13 ♀
L. auricula	3 ♂	2 ♀
L. bipunctatus	1 ♂	
L. decipiens	1 ♂	
L. flavicornis	67 ♂	17 ♀
L. griseus	2 ♂	
L. lunatus	6 ♂	6 ♀
L. sparsus		1 ♀
L. vittatus	9 ♂	7 ♀
Colpotaulius incisus		1 ♀
Grammotaulius nigropunctat.	2 ♂	1 ♀
G. nitidus		1 ♀
Glyphotaelius pellucidus	1 ♂	
Stenophylax permistus	1 ♂	
Halesus tessellatus		1 ♀
Crunoecia irrorata	1 ♂	
Athripsodes aterrimus		2 ♀
Ceraclea dissimilis	4 ♂	
Triadenodes bicolor		2 ♀
Oecetis furva	2 ♂	9 ♀
Oe. ochracea	1 ♂	
Leptocerus tineiformis	21 ♂	47 ♀
altogether	282 ♂	504 ♀

Table 5. Summarized quantitative data of Trichoptera from Kisgyőr, Bekény, light trap.

Hydropsyche bulbifera	1 ♂	
H. bulgaromanorum	87 ♂	
H. contubernalis	9 ♂	
H. sp. indet. females		74 ♀
Neureclipsis bimaculata	1 ♂	1 ♀
Ecnomus tenellus	3 ♂	22 ♀
Phryganea grandis	1 ♂	1 ♀
Limnephilus affinis		3 ♀
L. auricula	1 ♂	1 ♀
L. decipiens	1 ♂	
L. extricatus	1 ♂	
L. flavicornis	14 ♂	
L. hirsutus	1 ♂	
L. lunatus	12 ♂	2 ♀
L. rhombicus	2 ♂	
L. vittatus	1 ♂	1 ♀
Grammotaulius nigropunctat.	1 ♂	
G. nitidus		1 ♀
Stenophylax permistus	2 ♂	3 ♀
S. vibex		1 ♀
Micropterna sequax	1 ♂	
Ceraclea dissimilis	1 ♂	1 ♀
altogether	140 ♂	111 ♀

Table 6. Summarized quantitative data of Trichoptera from Mátrakeresztes, light trap (1986-87).

Rhyacophila fasciata	3 ♂	1 ♀
Rh. polonica	2 ♂	
Glossosoma conformis	1 ♂	
Synagapetus mosely	3 ♂	
Philopotamus montanus	9 ♂	
Hydropsyche bulbifera	5 ♂	
H. bulgaromanorum	7 ♂	
H. contubernalis	9 ♂	
H. fulvipes	1 ♂	
H. instabilis	204 ♂	
H. saxonica	5 ♂	
H. sp. indet. females		260 ♀
Neureclipsis bimaculata	2 ♂	1 ♀
Plectrocnemia conspersa	11 ♂	
Cyrnus trimaculatus		2 ♀
Silo pallipes		2 ♀
Crunoecia irrorata	1 ♂	
Ecclisopteryx madida	2 ♂	
Limnephilus auricula	1 ♂	
L. flavicornis	1 ♂	
Grammotaulius nigropunctat.	1 ♂	
Potamophylax latipennis	45 ♂	3 ♀
P. nigricornis	8 ♂	
Micropterna nycterobia	5 ♂	3 ♀
Stenophylax permistus		1 ♀
S. vibex	1 ♂	
Halesus digitatus	48 ♂	23 ♀
Leptocerus tineiformis		1 ♀
Beraea pullata	1 ♂	1 ♀
Sericostoma personatum	14 ♂	
Odontocerum albicorne	31 ♂	18 ♀
altogether	421 ♂	326 ♀

Table 7. Summarized quantitative data of Trichoptera from Miskolc-Görömböly, light trap.

Hydropsyche bulgaromanorum	40 ♂	
H. contubernalis	5 ♂	
H. instabilis	1 ♂	
H. modesta	1 ♂	
H. pellucidula	2 ♂	
H. sp. indet. females		88 ♀
Neureclipsis bimaculata	25 ♂	42 ♀
Cyrnus crenaticornis	1 ♂	1 ♀
Ecnomus tenellus	9 ♂	15 ♀
Ironoquia dubia	1 ♂	
Limnephilus affinis	17 ♂	13 ♀
L. auricula	1 ♂	
L. bipunctatus	1 ♂	1 ♀
L. decipiens	1 ♂	
L. extricatus	1 ♂	
L. flavicornis	4 ♂	1 ♀
L. griseus	2 ♂	
L. hirsutus	1 ♂	
L. lunatus		1 ♀
L. rhombicus	2 ♂	
L. vittatus	3 ♂	2 ♀
Colpotaulius incisus	1 ♂	
Grammotaulius nigropunct.	1 ♂	
Stenophylax permistus	3 ♂	3 ♀
Micropterna testacea	1 ♂	
Ceraclea dissimilis		1 ♀
Mystacides longicornis	1 ♂	
Oecetis furva	3 ♂	2 ♀
Oe. lacustris		1 ♀
Oe. ochracea	1 ♂	1 ♀
Leptocerus tineiformis	2 ♂	2 ♀
altogether	131 ♂	174 ♀

Table 8. Summarized quantitative data of Trichoptera from Jósvald, light trap (1983-87).

Hydropsyche bulbifera	6 ♂	
H. bulgaromanorum	13 ♂	
H. contubernalis	17 ♂	
H. instabilis	27 ♂	
H. pellucidula	194 ♂	
H. saxonica	1 ♂	
H. sp. indet. females		909 ♀
Plectrocnemia conspersa	8 ♂	
Ironoquia dubia	1 ♂	1 ♀
Limnephilus affinis	4 ♂	2 ♀
L. auricula	1 ♂	
L. bipunctatus	2 ♂	1 ♀
L. decipiens	1 ♂	
L. extricatus	1 ♂	2 ♀
L. flavicornis	10 ♂	
L. griseus	2 ♂	
L. hirsutus	2 ♂	
L. ignavus	5 ♂	2 ♀
L. lunatus	14 ♂	
L. rhombicus	6 ♂	1 ♀
L. sparsus	4 ♂	1 ♀
L. tauricus	1 ♂	
L. vittatus	3 ♂	2 ♀
Grammotaulius nigropunctat.	4 ♂	1 ♀
Potamophylax latipennis		2 ♀
P. nigricornis	32 ♂	8 ♀
Halesus digitatus	99 ♂	38 ♀
H. tessellatus	14 ♂	6 ♀
Stenophylax permistus	147 ♂	134 ♀
Micropterna sequax	1 ♂	1 ♀
M. testacea	38 ♂	26 ♀
Chaetopteryx fusca	1 ♂	
Cera pilosa		2 ♀
Oecetis ochracea	2 ♂	
Sericostoma personatum	1 ♂	
Odontocerum albicorne		7 ♀
altogether	662 ♂	1145 ♀

Table 9. Summarized quantitative data of Trichoptera from Nyékládháza, light trap.

<i>Oxyethira flavicornis</i>	1 ♂	
<i>Agraylea sexmaculata</i>	15 ♂	2 ♀
<i>Hydropsyche bulbifera</i>	1 ♂	
<i>H. bulgaromanorum</i>	34 ♂	
<i>H. contubernalis</i>	3 ♂	
<i>H. sp. indet. females</i>		110 ♀
<i>Neureclipsis bimaculata</i>	28 ♂	64 ♀
<i>Holocentropus picicornis</i>		2 ♀
<i>Cynurus crenaticornis</i>	13 ♂	14 ♀
<i>Ecnomus tenellus</i>	23 ♂	105 ♀
<i>Agrypnia pagetana</i>		1 ♀
<i>Limnephilus affinis</i>	3 ♂	4 ♀
<i>L. bipunctatus</i>	1 ♂	
<i>L. decipiens</i>	2 ♂	
<i>L. flavicornis</i>	3 ♂	
<i>L. griseus</i>	1 ♂	
<i>L. lunatus</i>	3 ♂	2 ♀
<i>L. rhombicus</i>	1 ♂	2 ♀
<i>L. vittatus</i>		2 ♀
<i>Anabolia furcata</i>	2 ♂	
<i>Athripsodes aterrimus</i>	1 ♂	
<i>Ceraclea dissimilis</i>	4 ♂	2 ♀
<i>Mystacides longicornis</i>	2 ♂	8 ♀
<i>M. nigra</i>		1 ♀
<i>Oecetis furva</i>	3 ♂	1 ♀
<i>Oe. lacustris</i>	1 ♂	4 ♀
<i>Oe. ochracea</i>	4 ♂	5 ♀
altogether	149 ♂	329 ♀

Table 10. Summarized quantitative data of Trichoptera from Nagyvisnyó, Bán Valley (the authors' collections).

<i>Rhyacophila fasciata</i>	23 ♂	
<i>Rh. obliterated</i>	1 ♂	
<i>Rh. pubescens</i>	10 ♂	1 ♀
<i>Rh. tristis</i>	81 ♂	29 ♀
<i>Glossosoma conformis</i>		5 ♀
<i>Agapetus delicatulus</i>		9 ♀
<i>A. fuscipes</i>	25 ♂	8 ♀
<i>Synagapetus iridipennis</i>	1 ♂	2 ♀
<i>Wormaldia occipitalis</i>	12 ♂	1 ♀
<i>Hydropsyche fulvipes</i>	13 ♂	
<i>H. instabilis</i>	76 ♂	
<i>H. sp. indet. females</i>		146 ♀
<i>Plectrocnemia brevis</i>	2 ♂	1 ♀
<i>P. conspersa</i>	9 ♂	6 ♀
<i>Tinodes rostocki</i>	1 ♂	1 ♀
<i>Drusus annulatus</i>		1 ♀
<i>Limnephilus auricula</i>		1 ♀
<i>L. flavicornis</i>		1 ♀
<i>L. ignavus</i>		2 ♀
<i>L. lunatus</i>	1 ♂	
<i>L. sparsus</i>		2 ♀
<i>L. vittatus</i>	3 ♂	3 ♀
<i>Glyphotaelius pellucidus</i>		1 ♀
<i>Potamophylax nigricornis</i>		1 ♀
<i>Crunoecia irrorata</i>	1 ♂	
<i>Sericostoma personatum</i>	11 ♂	7 ♀
<i>Oecetis ochracea</i>	1 ♂	
<i>Odontocerum albicorne</i>	10 ♂	23 ♀
<i>Beraea pullata</i>	19 ♂	13 ♀
altogether	300 ♂	264 ♀

### Trichopterológiai eredmények az Északi Középhegységből

NÓGRÁDI U. Sára és UHERKOVICH Ákos

Az Északi Középhegységből először a Fauna Regni Hungariae közölt néhány tegzes adatot. A harmincas években Sátorj J. kutatta a Bükk tegzeseit. Néhány hibás adatot is közölt, ezeket később korrigálta. A Zempléni-hegységben végzett vizsgálatairól Oláh J. a hatvanas években számolt be. Az utóbbi két évtizedben Ujhelyi S. és Kiss O. a Mátra és a Bükk tegzeseivel foglalkozott és számos cikkük látott napvilágot e témakörben.

A budapesti Természettudományi Múzeum anyagában kevés anyag van innét. A gyöngyösi Mátra Múzeum gyűjteménye elsősorban mátrai és bükki anyagot tartalmaz. Mind az említett szerzők által írt tanulmányokba, mind a gyűjteményekbe számos hibás határozású tegzes került bele. Ezek revíziója már megkezdődött, azonban a munka természete miatt még hosszabb ideig elhúzódhat.

Célunk végső soron a hazai "check list" összeállítására. Ehhez az egyes tájak faunisztikai adatainak összefoglalásán keresztül juthatunk el. Talán legjelentősebb ilyen szempontból az Északi Középhegység, amely nagy kiterjedésével és igen változatos élőhelyeivel gazdag tegzesfauna kialakulását illetve fennmaradását teszi lehetővé.

Jelen munkánkban saját gyűjtéseink és az általunk feldolgozott, de mások által gyűjtött anyagokat adjuk közre. 50 lelőhelyről származnak ezek az anyagok és 102 fajnak összesen 8275 példányát képviselik. A dolgozat angol nyelvű részében felsoroljuk az összes fajt, lelőhelyi adataikkal (tájanként), előfordulási időpontjaikkal és példányszámukkal együtt.

Megállapítottuk, hogy a fauna gazdag és változatos. Számos ritkaság került elő, ezek közül néhányat külön is kiemelünk: *Rhyacophila nubila* ZETT., *Rhyacophila pubescens* PICT., *Agapetus delicatulus* McL., *Oxyethira flavicornis* PICT., *Allotrichia pallicornis* EATON, *Holocentropus dubius* RAMBUR, *Phryganea bipuncta* RETZ., *Limnephilus tauricus* SCHMID, *Lepidostoma hirtum* FABR., *Athripsodes albifrons* L.

Az anyag áttekintését táblázatok segítik.

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