

Supplement to the knowledge of the caddisfly fauna (Trichoptera) of Slovakia

NOGRÁDI U. Sára, UHERKOVICH Akos
Pécs, Janus Pannónius Múzeum

ABSTRACT: During 7 collecting trips 2629 males and 1673 females of 78 Trichoptera species were collected in 37 localities. The complete list is given. Asynarchus lapponicus ZETT. proved to be new for the fauna of Czechoslovakia. Some comments on a few species are presented.

INTRODUCTION

During the years 1982-1987 seven collecting excursions were organized by us into Slovakia to obtain material from the northern part of the Carpathian Basin. These collections were very profitable. On 37 localities 4302 specimens of 78 species were collected, we believe, well contribute to the knowledge of the Slovakian caddisfly fauna. Since the number of locality data has surpassed 300, this paper can help to assess the total Trichoptera fauna of Czechoslovakia, too.

In recent years NOVÁK and OBR (1977) summarized the Czechoslovak caddisfly fauna indicating the occurrence of 211 species from Slovakia. The foundations of Slovakian fauna were laid in the first half of this century by MOCSÁRY (1900), Klapálek (1904), Pongrácz (1914), Fekete (1926), and Mayer (1935, 1936, 1937, 1938, 1939a, 1939b). The papers mentioned above give several data from the High Tatras, too. A synopsis of the caddisfly fauna of the High Tatras was compiled by Riedel (1962) containing data both the Slovakian and the Polish part of the mountains. This paper enumerates 130 species, of which 16 do not occur in the Slovakian part. It is regrettable that in the last decades only very little material was collected and published from this land. Sedlák (1963) gave data from the Lower Tatras, Sýkora (1963) wrote about the caddisflies of Vihorlat Mountains among others. NOVÁK and OBR (1966) presented data of several rare and interesting species from certain localities of Slovakia.

THE COLLECTIONS AND RESULTS

Our collections covered the Slovakian Ore Mountains (Slovenské Rudohorie), the Lower Tatras (Nízke Tatry), Slovakian Paradise (Slovenský Raj) and the southern foothills of the West and High Tatras (Západné a Vysoké Tatry). The data derive from 37 localities as given below (see also Fig. 1). The height above sea level are also given.

SLOVAKIAN ORE MOUNTAINS

1. Dobšina. Some streams between 550 and 900 meters, a boggy meadow and spring bog at 900 m (Dankova). Rich and interesting material has been collected here by sweeping, lamp and portable light trap.
2. Gemerská Poloma. Two streams north from the village, at 620 and 900 m, respectively. Few species, but one of them has been collected here only.
3. Gočovo (450m). Slaná River south of the village. Light polluted water, only three species were collected here.
4. Hanková (380 m). Small stream, one species only.
5. Muranska Huta (700m). Almost dry bed of a small creek on limestone. Two species.
6. Muráň (440m). Stream "Muránsky Potok" one km northeast from the settlement. Two species, several specimens.
7. Roštár, 520m. Small forest creek, one species.
8. Tisovec, Certova Dolina (620m). Narrow valley and canyon 8-10 km from the settlement. One collection with few species.

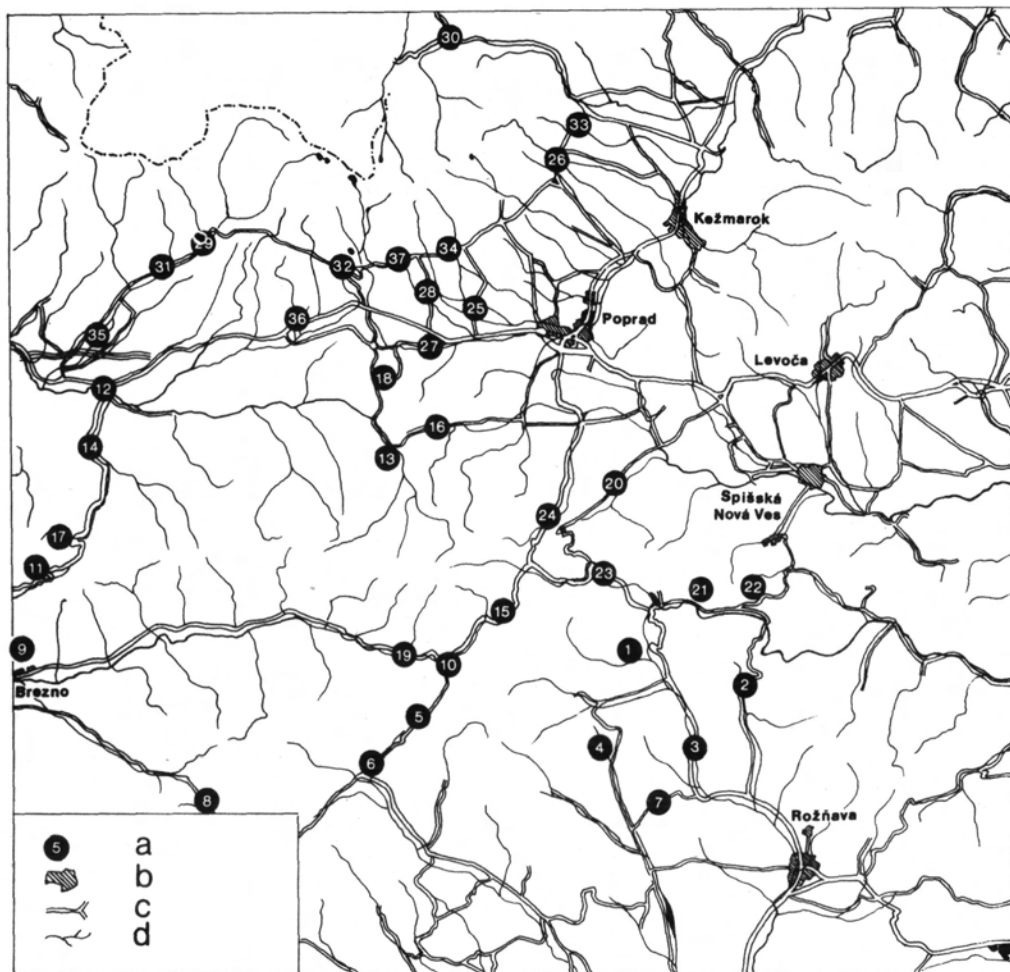


Fig. 1. Sketch map of collecting area with the sites. a = collecting sites (explanation of figures in the text), b = larger settlements, c = roads, d = streams, rivers
 1. ábra. A gyűjtőterület vázlatos térképe a lelőhelyekkel. a = lelőhelyek (számok magyarázata a szövegben), b = nagyobb települések, c = patakok, folyók

THE LOWER TATRAS

9. Brezno, 650 m. Small stream under the hill "Studený vŕšok". One species.
10. Červená Skala (800-900 m). Sweeping and lamping along the Hron River and sweeping along the Župkov Stream, south from the settlement. Rich material, some species in big mass.
11. Jarabá (1000 m). Stream under the Čertovica Pass. Two species.
12. Kráľova Lehota (650 m). Váh River. Polluted water, only one species was swept.
13. Liptovská Teplička (900 m). River "Čierny Váh" and a small creek. Sweeping, only few species.

14. Malužiná (700 m). Sweeping along the Bocianka Stream, three species.
15. Šmerovo. Varied biotopes at 900-1000 m: peat bogs, spring of Hron River, small creeks, upper branches of Hnilec River. Rich material was swept here containing some rather interesting species.
16. Vikartvce (850 m). Upper braches of the river Hornád. Few species by sweeping.
17. Vyšná Boca (850 m). Upper braches of Bocianka Stream running across pasture. Only three species were swept.
18. Vyšná Šuňava (900 m). Small stream of polluted water. Only one species was swept.
19. Zlatno (750 m). Sweeping along the river Hron. Few species.

SLOVAKIAN PARADISE

20. Hrabušice (800-900 m). Small streams on limestone. (The bluk of Slovakian Paradise is of limestone.) Sweeping, several species.
21. Mlynky (700 m). Two valleys with streams. few species were swept.
22. Rakovec (850 m). Springs in forest. One caddisfly only.
23. Stratená (800-950 m). Very varied biopotes: canyons, karst-spring, small streams, river Hnilec. Here we have collected several times, the material is rich both in species and in specimens.
24. Vernár (800-950 m). Small streams and bog (Kopanec), larger streams ("Vernársky potok") near the village. Some species werre swept here.

THE HIGH TATRAS

25. Batizovce (760 m). Stream "Valický potok". Collecting from the under surface of a bridge and sweeping along the stream.
26. Kežmarské Žľaby (860-920 m). Sweeping along the streams "Biela Voda" and "Čierna Voda". Some species.
27. Lučivna (780 m). Sweeping along the polluted strem "Maly Poprad".
28. Nižné Hágy (950 m). Sweeping along a forest stream. Few species.
29. Podbanské (900 m). Stream "Kamenistý potok" on granite. Sweeping several times, rich material.
30. Pospády (920 m). Stream Javorinka on sandstone. Only two species were swept.
31. Pribylina (800-850 m). Small stream on pasture near the settlement and various biotopes 4 km east from the settlement at the localyti named Hrdovo. Some species and several specimens were swept on a peat bog, along Belá Stream and its tributary.
32. Štrbské Pleso (1100 m). Sweeping along upper branches of the stream "Biely Váh"
33. Tatranská Kotlina (800 m). River Biela, 3 species were swept.
34. Tatranská Polianka (1000 m). Sweeping several times along the stream "Velický potok" and its tributary. Some intersting species were swept.
35. Vavrišovo. Belá River and its tributary atthe camping place. Collection by daytime, some species.
36. Važek (800 m). Sweeping along the weakly polluted water of the stream "Biely Váh"
37. Vyšné Hágy (1070 m). Larger stream named "Kahule potok" running on granite. Some species were swept.

During the seven collecting trips we collected 2629 males 1673 females together. The trips were organized as follows:

1. November 1, 1982	2 species	2 ♂♂		
2. September 23-26, 1984	23 species	192 ♂♂	68 ♀♀	
3. September 18-23, 1985	33 species	529 ♂♂	1008 ♀♀	
4. July 11-17, 1986	51 species	1017 ♂♂	257 ♀♀	
5. September 18, 1986	8 species	72 ♂♂	38 ♀♀	
6. May 28-30, 1987	6 species	77 ♂♂	8 ♀♀	
7. October 8-11, 1987	29 species	740 ♂♂	294 ♀♀	
altogether	78 species	2629 ♂♂	1673 ♀♀	

The total number of collected specimens amount to 4302, which is rather large number. NOVÁK and OBR (1966) recorded 14,858 determined adults from Slovakia during the years 1955-1964. Apparently the collections were discontinued, since NOVÁK (1973) published the same figure after years.

THE COLLECTED MATERIAL

In this section all the species collected by us are presented with their localities and data. As all specimens were collected by the authors, therefore the collectors' name is not indicated. The system and nomenclature follow those of BONTOSÁNEANU and MALICKY (1978). The total material is deposited in the collection of the Janus Pannonius Museum, Pécs, Hungary.

RHYACOPHILIDAE

Rhyacophila dorsalis CURTIS, 1834

Dobšiná, Gubas Gründel, July 13, 1986 1 ♂, July 16, 1986 4 ♀♀
Stratená, Eng canyon, July 13, 1986 1 ♂

Rhyacophila fasciata HAGEN, 1859

Dobšiná, Dankova, July 11, 1986 1 ♂, Oct. 8, 1987 1 ♂ 1 ♀, July 15, 1987 1 ♀, July 17, 1986 1 ♂
Dobšiná, Gubas Gründel, Oct. 8, 1987 1 ♂
Hrabušice, Sept. 25, 1984 1 ♂, July 12, 1986 1 ♂
Kežmarské Žiaby Sept. 22, 1985 1 ♂
Nižné Hágy, Sept. 25, 1984 1 ♂ 1 ♀
Stratená, Ice Cave July 15, 1986 1 ♂
Stratená, Pálenica July 13, 1986 9 ♂♂, July 15, 1986 11 ♂♂ 1 ♀, Oct. 9, 1987 1 ♂
Stratená, Pelc, July 13, 1986 3 ♂♂
Tatranská Polianka, Sept. 25, 1984 3 ♂♂, Sept. 20, 1985 5 ♂♂ 2 ♀♀, Oct. 10, 1987 8 ♂♂ 1 ♀
Štrbské Pleso, Sept. 20, 1985 1 ♂ 1 ♀
Vernár, Hnilec valley July 12, 1986 1 ♂
Vernár, Kopanec, July 15, 1986 3 ♂♂

Rhyacophila glareosa McLACHLAN, 1867

Dobšiná, Dankova, July 11, 1986 2 ♂♂ 1 ♀
Podbanské July 14, 1986 1 ♀
Pribyliná July 14, 1987 2 ♂♂
Štrbské Pleso, July 14, 1986 2 ♀♀
Tatranská Polianka July 14, 1987 1 ♂

Rhyacophila nubila ZETTERSTEDT, 1840

Batizovce July 14, 1986 1 ♂, Oct. 10, 1987 1 ♂
Červená Skala Oct. 9, 1987 4 ♂♂
Gočovo Oct. 10, 1987 1 ♂ 1 ♀
Pribyliná, Hrdovo July 14, 1986 1 ♂
Stratená, Hnilec, Oct. 10, 1987 1 ♂

Rhyacophila oblitterata McLACHLAN, 1863

Batizovce Oct. 10, 1987 52 ♂♂ 6 ♀♀
Brezno Oct. 10, 1987 3 ♂♂
Červená Skala, Sept. 19, 1985 11 ♂♂, Sept. 18, 1986 2 ♂♂, Oct. 9, 1987 15 ♂♂
Červená Skala, Župkov Stream, Oct. 11, 1987 1 ♂
Dobšiná, Dankova, Sept. 18, 1985 22 ♂♂, Sept. 23, 1985 8 ♂♂, Oct. 8, 1987 54 ♂♂ 3 ♀♀
Dobšiná, Gubas Grindel, Oct. 10, 1987 1 ♂
Gočovo, Oct. 10, 1987 2 ♂♂
Hanková, Sept. 23, 1985 2 ♂♂
Hrabušice, Sept. 25, 1984 14 ♂♂ 1 ♀, Sept. 26, 1984 1 ♂, Oct. 9, 1987 54 ♂♂ 4 ♂♂
Jarabá, Oct. 10, 1987 1 ♂
Kežmarské Žiaby, Sept. 22, 1985 1 ♂
Liptovská Teplička, Sept. 21, 1985 1 ♂
Lučivná, Sept. 21, 1985 1 ♂
Malužiná, Oct. 10, 1987 5 ♂♂
Mlynky, Biele Vody, Sept. 19, 1985 1 ♂
Murán, Oct. 11, 1987 22 ♂♂ 1 ♀
Podbanské, Oct. 10, 1987 15 ♂♂ 1 ♀
Pribyliná, Sept. 20, 1985 2 ♂♂, Oct. 10, 1987 38 ♂♂ 6 ♀♀
Stratená, Hnilec, Sept. 24, 1984 1 ♂, Sept. 19, 1985 1 ♂, Sept. 21, 1985 4 ♂♂, Sept. 18, 1986 5 ♂♂ 1 ♀, Oct. 9, 1987 40 ♂♂ 3 ♀♀
Stratená, Ice Cave, Sept. 9, 1987 5 ♂♂
Stratená, Pálenica, Sept. 18, 1986 5 ♂♂, Oct. 9, 1987 31 ♂♂

Stratená, Pelc, Sept. 19, 1985 1 ♂, Oct. 9, 1987 8 ♂♂
 Stratená, Píla, Sept. 19, 1985 1 ♂
 Švermovo, Pusté Pole, Sept. 22, 1985 3 ♂♂, Sept. 18, 1986 1 ♂, Oct. 9, 1987 6 ♂♂ 1 ♀
 Tatranská Polianka, Sept. 20, 1985 1 ♂
 Tisovec, Oct. 11, 1987 16 ♂♂ 4 ♀♀
 Vavrišovo, Oct. 10, 1987 29 ♂♂ 1 ♀
 Vernár, Sept. 21, 1985 24 ♂♂ 2 ♀♀
 Vernár, Kopanec, Sept. 9, 1987 4 ♂♂ 1 ♀
 Vikartovce, Sept. 21, 1985 5 ♂♂ 5 ♀♀
 Vyšná Boca, Oct. 10, 1987 10 ♂♂
 Vyšná Šuňava, Sept. 21, 1985 11 ♂♂ 1 ♀
Rhyacophila philopotamoides McLACHLAN, 1879
 Červená Skala, Župkov Stream, Sept. 19, 1985 1 ♂
 Dobšiná, Dankova, July 11, 1986 2 ♂♂
 Gemerská Poloma, Podsúľová, July 13, 1986 1 ♀
 Hrabušice, Sept. 26, 1984 1 ♂
 Stratená, Ice Cave, Sept. 26, 1984 2 ♂♂ 1 ♀, July 12, 1986 1 ♂, July 15, 1986 1 ♂, Sept. 18, 1986 2 ♂♂, Oct. 9, 1987 1 ♂
 Tatranská Polianka, Sept. 25, 1984 1 ♂
 Vyšné Hágy, Sept. 25, 1984 1 ♂
Rhyacophila polonica McLACHLAN, 1879
 Červená Skala, Oct. 9, 1987 1 ♂
 Červená Skala, Župkov Stream, Sept. 19, 1985 47 ♂♂ 2 ♀♀, Oct. 11, 1987 1 ♂
 Dobšiná, Dankova, Sept. 23, 1984 2 ♂♂, Sept. 18, 1985 12 ♂♂ 3 ♀♀, Sept. 23, 1985 2 ♂♂ 1 ♀, July 15, 1986 1 ♀
 Dobšiná, Gubás Gründel, July 15, 1986 2 ♀♀
 Gemerská Poloma, Podsúľová, July 13, 1986 4 ♂♂, July 16, 1986 9 ♂♂
 Hrabušice, Sept. 25, 1984 1 ♂
 Jarabá, Oct. 10, 1987 2 ♂♂
 Kežmarské Žľaby, Sept. 22, 1985 24 ♂♂
 Mlynky, Havrania Dolina, Sept. 19, 1985 1 ♂
 Podbanské, Sept. 20, 1985 23 ♂♂, Oct. 10, 1987 7 ♂♂
 Podspády, Sept. 22, 1985 3 ♂♂ 1 ♀
 Pribylíná, Hrdovo, Sept. 20, 1985 3 ♂♂ 1 ♀
 Stratená, Eng Canyon, Sept. 26, 1984 1 ♂, Sept. 19, 1985 5 ♂♂
 Stratená, Hnilec, Oct. 9, 1987 1 ♂
 Stratená, Ice Cave, Sept. 19, 1985 1 ♂, Sept. 18, 1986 9 ♂♂ 1 ♀, Oct. 9, 1987 4 ♂♂, Oct. 11, 1987 1 ♂
 Stratená, Pálenicá, Sept. 26, 1984 1 ♂, Sept. 18, 1986 9 ♂♂, Oct. 9, 1987 1 ♂ 1 ♀
 Stratená, Pelc, Sept. 19, 1985 1 ♂
 Stratená, Píla, Sept. 19, 1985 2 ♀♀
 Štrbské Pleso, Sept. 20, 1985 38 ♂♂
 Švermovo, Pusté Pole, Sept. 24, 1984 1 ♂, Sept. 26, 1984 1 ♂, Sept. 19, 1985 3 ♂♂, Sept. 21, 1985 3 ♂♂, Sept. 22, 1985 3 ♂♂, Sept. 19, 1986 2 ♂♂
 Švermovo, Hron Spring, Sept. 19, 1985 3 ♂♂ 1 ♀, Sept. 18, 1986 1 ♂
 Tatranská Kotlina, Sept. 22, 1985 4 ♂♂
 Tatranská Polianka, Sept. 25, 1984 15 ♂♂ 3 ♀♀, Sept. 20, 1986 34 ♂♂ 2 ♀♀, Oct. 10, 1987 3 ♂♂
 Vyšné Hágy, Sept. 25, 1984 1 ♀, Sept. 20, 1985 11 ♂♂ 3 ♀♀
Rhyacophila tristis PICTET, 1834
 Červená Skala, July 12, 1986 4 ♂♂ 3 ♀♀
 Dobšiná, Dankova, July 11, 1986 9 ♂♂ 3 ♀♀, July 14, 1986 13 ♂♂ 7 ♀♀, July 17, 1986 16 ♂♂ 4 ♀♀
 Dobšiná, Gubás Gründel, July 13, 1986 1 ♀
 Hrabušice, July 12, 1986 8 ♂♂ 1 ♀
 Mlynky, Havrania Dolina, July 13, 1986 17 ♂♂ 5 ♀♀, July 17, 1986 12 ♂♂ 5 ♀♀
 Podbanské, July 14, 1986 4 ♂♂ 3 ♀♀
 Pribylíná, Hrdovo, July 14, 1986 5 ♂♂ 1 ♀
 Stratená, Eng Canyon, July 13, 1986 13 ♂♂ 1 ♀
 Stratená, Hnilec, July 13, 1986 1 ♂
 Stratená, Ice Cave, July 12, 1986 6 ♂♂, July 15, 1986 4 ♂♂
 Stratená, Pálenicá, July 13, 1986 7 ♂♂ 1 ♀, July 15, 1986 7 ♂♂ 1 ♀
 Stratená, Pelc, July 13, 1986 2 ♂♂, July 17, 1986 3 ♂♂ 1 ♀
 Stratená, Píla, July 17, 1986 2 ♂♂
 Štrbské Pleso, July 14, 1986 2 ♂♂

Švermovo, Pusté Pole, (Sept. 24, 1984 1 ♀?), (Sept. 26, 1984 1 ♀?), July 12, 1986 78 ♂♂ 5 ♀♀, (Sept. 18, 1986 1 ♀?)

Švermovo, Hron Spring, July 12, 1986 2 ♂♂

Tatranská Polianka, July 14, 1986 2 ♀♀

Važec, Sept. 20, 1985 1 ♂

Vernár, Kopanec, July 15, 1986 2 ♂♂ 2 ♀♀

Vernár, July 12, 1986 1 ♂, May 30, 1987[†] 5 ♂♂ 3 ♀♀

Rhyacophila vulgaris PICTET, 1834

Cervená Skala, Sept. 21, 1985 1 ♂

Podbanské, Oct. 10, 1987 1 ♂

GLOSSOSOMATIDAE

Glossosoma conformis NEBOISS, 1963

Batizovce, July 14, 1986 16 ♂♂ 13 ♀♀

Cervená Skala, July 12, 1986 1 ♂

Dobšiná, Gubas Gründel, July 16, 1986 1 ♂

Kežmarské Žľaby, Sept. 22, 1985 2 ♀♀

Mlynky, Havrania Dolina, July 17, 1986 2 ♂♂ 3 ♀♀

Podbanské, July 14, 1986 1 ♂

Pribyliná, Hrdovo, Sept. 20, 1985 1 ♀, July 14, 1986 8 ♂♂ 2 ♀♀

Stratená, Pelc, July 17, 1986 1 ♀

Agapetus fuscipes CURTIS, 1834

Dobšiná, Dankova, Sept. 18, 1985 1 ♂ 1 ♀, Sept. 23, 1985 5 ♂♂ 4 ♀♀, July 11,

1986 5 ♂♂ 1 ♀, July 15, 1986 25 ♂♂, July 17, 1986 6 ♂♂

Hrabušice, Sept. 26, 1984 1 ♀, July 12, 1986 2 ♂♂ 2 ♀♀, Oct. 9, 1987 1 ♀

Pribyliná, Sept. 20, 1985 1 ♀

Pribyliná, Hrdovo, July 14, 1986 1 ♂

Stratená, Ice Cave, Sept. 26, 1984 21 ♂♂ 1 ♀, July 12, 1986 2 ♂♂, July 15,

1986 3 ♂♂ 1 ♀, Sept. 18, 1986 10 ♂♂, Oct. 9[†], 1987 19 ♂♂ 4 ♀♀

Stratená, Pálenica, July 13, 1986 1 ♂ 1 ♀

Švermovo, Hron Spring, Sept. 19, 1985 1 ♂, Sept. 18, 1986 14 ♂♂

Švermovo, Pusté Pole, July 12, 1986 20 ♂♂ 3 ♀♀, July 15, 1986 21 ♂♂ 5 ♀♀

Vernár, Kopanec, July 15, 1986 46 ♂♂ 5 ♀♀

Agapetus ochripes CURTIS, 1834

Dobšiná, Gubas Gründel, July 13, 1986 5 ♂♂ 3 ♀♀, July 15, 1986 4 ♀♀, July

16, 1986 13 ♂♂ 16 ♀♀

Synagapetus armatus McLACHLAN, 1879

Gemerská Poloma, Súľová, July 13, 1986 1 ♂

Synagapetus iridipennis McLACHLAN, 1879

Dobšiná, Dankova, Sept. 23, 1985 1 ♂, July 11, 1986 1 ♂ 1 ♀, July 15, 1986

6 ♂♂ 1 ♀, July 17, 1986 13 ♂♂ 7 ♀♀

Gemerská Poloma, Podsúľová, July 13, 1986 2 ♀♀

Stratená, Ice Cave, July 12, 1986 5 ♂♂ 4 ♀♀, July 15, 1986 12 ♂♂ 5 ♀♀

Stratená, Pálenica, Sept. 26, 1984 1 ♀, July 13, 1986 5 ♂♂ 4 ♀♀, July 15,

1986 21 ♂♂ 7 ♀♀

Švermovo, Pusté Pole, July 12, 1986 2 ♂♂, July 15, 1986 1 ♂

PHILOPOTAMIDAE

Philopotamus ludificatus McLACHLAN, 1878

Batizovce, May 30, 1987 1 ♂

Dobšiná, Dankova, July 11, 1986 2 ♂♂, July 17, 1986 1 ♂, May 28, 1987 15 ♂♂

Hrabušice, July 12, 1986 1 ♂

Mlynky, Havrania Dolina, July 13, 1986 2 ♂♂ 1 ♀, July 17, 1986 1 ♂

Pribyliná, Hrdovo, July 14, 1986 1 ♂

Stratená, Pálenica, July 15, 1986 2 ♂♂

Stratená, Píla, May 29, 1987 1 ♀

Tatranská Polianka, July 14, 1986 4 ♂♂

Vernár, Kopanec, July 15, 1986 4 ♂♂ 1 ♀

Philopotamus montanus DONOVAN, 1813

Dobšiná, Dankova, July 11, 1986 1 ♂, July 15, 1986 9 ♂♂ 4 ♀♀, July 17,

1986 2 ♂♂

Dobšiná, Gubas Gründel, July 16, 1986 2 ♂♂

Gemerská Poloma, Podsúľová, July 13, 1986 8 ♂♂ 3 ♀♀, July 16, 1986 15 ♂♂

2 ♀♀

Mlynky, Havrania Dolina, Sept. 19, 1985 1 ♂, July 13, 1986 13 ♂♂ 1 ♀, July

17, 1986 11 ♂♂, May 29, 1987 1 ♂

- Stratená, Eng Canyon, July 13, 1986 1 ♂
 Vernár, July 12, 1986 1 ♂
Philopotamus variegatus SCOPOLI, 1763
 Dobšiná, Dankova, July 11, 1986 1 ♂, July 15, 1986 1 ♂ 1 ♀
 Mlynky, Havrania Dolina, July 17, 1986 1 ♂
 Pribylina, Hrdovo, July 14, 1986 1 ♂ 1 ♀
Wormaldia copiosa McLACHLAN, 1868
 Hrabušice, Oct. 9, 1987 1 ♀
 Kežmarské Žiaby, Sept. 22, 1985 1 ♂
Wormaldia occipitalis PICTET, 1834
 Dobšiná, Dankova, Oct. 8, 1987 4 ♂♂
 Hrabušice, Sept. 25, 1984 12 ♂♂ 5 ♀♀, Sept. 26, 1984 22 ♂♂ 1 ♀, July 12, 1986 1 ♀, Oct. 9, 1987 5 ♂♂ 4 ♀♀
 Liptovská Teplička, Sept. 21, 1985 1 ♂
 Stratená, Pálenica, Sept. 26, 1984 1 ♂
 Tisovec, Oct. 11, 1987 1 ♂
Wormaldia pulla McLACHLAN, 1878
 Dobšiná, Dankova, July 15, 1986 1 ♂ 1 ♀

HYDROPSYCHIDAE

- Hydropsyche fulvipes CURTIS, 1834
 Dobšiná, Gubas Gründel, July 16, 1986 2 ♂♂
Hydropsyche instabilis CURTIS, 1834
 Dobšiná, Gubas Gründel, July 13, 1986 1 ♂, July 16, 1986 4 ♂♂
 Vernár, July 12, 1986 1 ♂
Hydropsyche pellucidula CURTIS, 1834
 Dobšiná, Gubas Gründel, July 16, 1986 1 ♂

POLYCENTROPODIDAE

- Plectrocnemia brevis McLACHLAN, 1871
 Dobšiná, Gubas Gründel, July 13, 1986 1 ♂
 Hrabušice, July 12, 1986 1 ♂
 Roštár, July 13, 1986 1 ♂
Plectrocnemia conspersa CURTIS, 1834
 Dobšiná, Gubas Gründel, Sept. 25, 1984 2 ♂♂, July 13, 1986 2 ♂♂, July 15, 1986 1 ♂, July 16, 1986 9 ♂♂

PSYCHOMYIDAE

- Psychomyia pusilla FABRICIUS, 1781
 Dobšiná, Gubas Gründel, July 13, 1986 2 ♀♀, July 15, 1986 1 ♂, July 16, 1986 1 ♂ 3 ♀♀
Tinodes dives PICTET, 1834
 Dobšiná, Dankova, July 15, 1986 4 ♂♂ 5 ♀♀, July 17, 1986 10 ♂♂ 4 ♀♀
Tinodes rostocki McLACHLAN, 1878
 Vernár, July 12, 1986 3 ♂♂ 2 ♀♀

BRACHYCENTRIDAE

- Micrasema minimum McLACHLAN, 1876
 Stratená, Hnilec, July 13, 1986 2 ♂♂ 1 ♀
 Stratená, Ice Cave, July 12, 1986 1 ♀, July 15, 1986 2 ♂♂
 Švermovo, Pusté Pole, July 12, 1986 1 ♀

LIMNEPHILIDAE

- Apatania carpathica SCHMID, 1954
 Dobšiná, Dankova, Sept. 18, 1985 1 ♂ 5 ♀♀, Sept. 23, 1985 1 ♂, July 11, 1986 1 ♂
Apatania fimbriata PICTET, 1834
 Červená Skala, Župkov Stream, Sept. 19, 1985 1 ♂
 Nižné Hágy, Sept. 25, 1984 2 ♂♂
 Podbanské, Sept. 20, 1985 3 ♂♂
 Pribylina, Hrdovo, July 14, 1986 15 ♂♂ 1 ♀
 Stratená, Ice Cave, July 15, 1986 1 ♂, Sept. 18, 1986 4 ♂♂ 1 ♀
 Štrbské Pleso, Sept. 20, 1985 5 ♂♂
 Švermovo, Hron Spring, July 12, 1986 11 ♂♂
 Švermovo, Pusté Pole, July 12, 1986 35 ♂♂ 3 ♀♀, July 15, 1986 41 ♂♂ 5 ♀♀

- Tatranská Polianka, Sept. 25, 1984 2 ♂♂ 1 ♀, Sept. 20, 1985 35 ♂♂ 3 ♀♀,
 July 14, 1986 3 ♂♂
 Vysné Hágy, Sept. 25, 1984 1 ♂
- Ecclisopteryx dalecarlica KOLENATI, 1848
 Červená Skala, Sept. 21, 1985 2 ♂♂ 1 ♀
 Pribylina, Hrdovo, July 14, 1986 1 ♀
 Zlatno, Sept. 19, 1985 1 ♂
- Ecclisopteryx madida McLACHLAN, 1867
 Dobšiná, Dankova, July 11, 1986 1 ♂
 Dobšiná, Grund, July 12, 1986 1 ♂
 Dobšiná, Gubas Gründel, July 16, 1986 1 ♂
 Stratená, Eng Canyon, Sept. 19, 1985 1 ♂
 Švermovo, Pusté Pole, July 15, 1986 1 ♂
- Drusus annulatus STEPHENS, 1837
 Dobšiná, Dankova, Sept. 18, 1985 1 ♂ 1 ♀, July 11, 1986 5 ♂♂, July 15, 1986
 4 ♂♂ 2 ♀♀, July 17, 1986 1 ♂ 2 ♀♀
 Hrabušiče, July 12, 1986 1 ♂
 Muráň, Oct. 11, 1987 16 ♂♂ 3 ♀♀
 Stratená, Eng Canyon, Sept. 24, 1984 1 ♀, Sept. 26, 1984 1 ♂, Sept. 19,
 1985 1 ♀
 Stratená, Hnilec, Sept. 24, 1984 1 ♂, Oct. 9, 1987 1 ♂
 Stratená, Ice Cave, Sept. 26, 1984 15 ♂♂ 8 ♀♀, Sept. 19, 1985 1 ♀, July 12,
 1986 4 ♂♂ 1 ♀, Oct. 9, 1987 1 ♂, Oct. 11, 1987 1 ♂
 Stratená, Pálenica, July 13, 1986 1 ♂, July 15, 1986 1 ♂
 Štrbsé Pleso, July 14, 1986 2 ♂♂
 Švermovo, Hron Spring, July 12, 1986 2 ♂♂
 Tatranská Polianka, July 14, 1986 1 ♂
- Drusus biguttatus PICTET, 1834
 Podbanské, July 14, 1986 5 ♀♀
- Drusus discolor RAMBUR, 1842
 Dobšiná, Grund, July 12, 1986 5 ♂♂
 Dobšiná, Gubas Gründel, July 16, 1986 1 ♀
 Podbanské, July 14, 1986 1 ♂ 1 ♀
 Pribylina, Hrdovo, July 14, 1986 1 ♂
 Stratená, Ice Cave, July 12, 1986 3 ♂♂
- Drusus trifidus McLACHLAN, 1868
 Červená Skala, Župkov Stream, Sept. 19, 1985 13 ♂♂
 Podbanské, July 14, 1986 1 ♂
 Pribylina, Hrdovo, Sept. 20, 1985 5 ♂♂, July 14, 1986 23 ♂♂ 3 ♀♀, Oct. 10,
 1987 1 ♂
 Stratená, Ice Cave, Sept. 18, 1986 5 ♂♂ 3 ♀♀
 Stratená, Pálenica, Sept. 18, 1986 3 ♀♀
 Švermovo, Hron Spring, Sept. 19, 1985 2 ♂♂, July 12, 1986 2 ♂♂, Sept. 18,
 1986 1 ♂
 Švermovo, Pusté Pole, July 12, 1986 44 ♂♂ 3 ♀♀, July 15, 1986 66 ♂♂ 2 ♀♀,
 Sept. 18, 1986 2 ♂♂ 1 ♀
 Vavrišovo, Oct. 10, 1987 1 ♂
- Limnophilus auricula CURTIS, 1834
 Liptovská Teplička, Sept. 21, 1985 1 ♂
 Švermovo, Pusté Pole, Oct. 9, 1987 1 ♀
- Limnophilus coenosus CURTIS, 1834
 Červená Skala, Župkov Stream, Sept. 19, 1985 1 ♂
- Limnophilus extricatus McLACHLAN, 1865
 Dobšiná, Gubas Gründel, July 16, 1986 1 ♂ 1 ♀
- Limnophilus griseus LINNAEUS, 1758
 Dobšiná, Gubas Gründel, Oct. 8, 1987 4 ♂♂
- Limnophilus ignavus McLACHLAN, 1865
 Červená Skala, Sept. 19, 1985 1 ♂
 Dobšiná, Gubas Gründel, Sept. 25, 1984 5 ♂♂, Sept. 26, 1984 2 ♂♂, Oct. 8,
 1987 2 ♂♂
 Pribylina, Hrdovo, Sept. 20, 1985 1 ♂
 Stratená, Ice Cave, Sept. 26, 1984 1 ♀
 Vikartovce, Sept. 21, 1985 1 ♀
- Limnophilus lunatus CURTIS, 1834
 Dobšiná, Gubas Gründel, Sept. 26, 1984 1 ♂, Oct. 8, 1987 1 ♂
- Limnophilus sparsus CURTIS, 1834
 Červená Skala, Sept. 21, 1985 1 ♂
 Dobšiná, Gubas Gründel, Oct. 8, 1987 1 ♂

Grammotaulius nigropunctatus RETZIUS, 1783
Dobšiná, Gubas Gründel, Sept. 25, 1984 1 ♂

Phacopteryx brevipennis CURTIS, 1834
Červená Skala, Sept. 19, 1985 1 ♂, Sept. 21, 1985 1 ♂

Asynarchus lapponicus ZETTERSTEDT, 1840
Švermovo, Hron Spring, Sept. 19, 1985 1 ♂

Potamophylax latipennis CURTIS, 1834
Červená Skala, Sept. 19, 1985 1 ♂, Sept. 21, 1985 4 ♀♀
Dobšiná, Grund, July 12, 1986 1 ♂
Dobšiná, Gubas Gründel, Sept. 25, 1984 1 ♂, Sept. 26, 1984 1 ♂, July 13, 1986 1 ♀, July 16, 1986 1 ♂
Tisovec, Oct. 11, 1987 1 ♂

Potamophylax nigricornis PICTET, 1834
Dobšiná, Gubas Gründel, July 13, 1986 2 ♂♂ 2 ♀♀, July 15, 1986 1 ♂, July 16, 1986 3 ♂♂

Halesus digitatus SCHRANK, 1781
Červená Skala, Sept. 21, 1985 5 ♂♂ 3 ♀♀, Oct. 9, 1987 3 ♀♀
Dobšiná, Gubas Gründel, Sept. 25, 1986 6 ♂♂ 1 ♀, Sept. 26, 1985 13 ♂♂, Oct. 10, 1987 1 ♂
Švermovo, Pusté Pole, Sept. 26, 1984 1 ♂, Sept. 19, 1985 1 ♀
Tisovec, Oct. 11, 1987 1 ♀
Vavrišovo, Oct. 10, 1987 1 ♂
Vernár, Sept. 21, 1985 2 ♀♀

Halesus radiatus CURTIS, 1834 ♀♀
Červená Skala, Sept. 21, 1985 2 ♂♂, Oct. 9, 1987 1 ♂

Halesus tessellatus RAMBUR, 1842
Červená Skala, Sept. 21, 1985 1 ♀

Melampophylax nepos McLACHLAN, 1880
Muránska Huta, Oct. 11, 1987 3 ♂♂ 3 ♀♀
Pribylina, Hrdovo, Oct. 10, 1987 3 ♀♀
Stratená, Ice Cave, Sept. 26, 1984 10 ♂♂ 6 ♀♀, Oct. 9, 1987 24 ♂♂ 8 ♀♀, Oct. 11, 1987 10 ♂♂ 3 ♀♀
Stratená, Pálenica, Sept. 26, 1984 1 ♀, Oct. 9, 1987 3 ♂♂ 4 ♀♀
Švermovo, Pusté Pole, Sept. 26, 1984 1 ♂, Oct. 9, 1987 1 ♂ 1 ♀
Švermovo, Hron Spring, Oct. 9, 1987 1 ♂ 1 ♀
Tatranská Polianka, Oct. 10, 1987 1 ♂
Vernár, Kopanec, Oct. 9, 1987 4 ♂♂ 1 ♀
Vyšná Boca, Oct. 10, 1987 4 ♀♀

Stenophylax permistus McLACHLAN, 1895
Dobšiná, Gubas Gründel, Sept. 25, 1984 1 ♂, Sept. 26, 1984 1 ♂

Allogamus auricollis PICTET, 1834
Batizovce, Sept. 20, 1985 2 ♂♂ 1 ♀, Oct. 10, 1987 1 ♀
Červená Skala, Sept. 19, 1985 12 ♂♂ 503 ♀♀, Sept. 21, 1985 21 ♂♂ 313 ♀♀, Sept. 18, 1986 27 ♀♀, Oct. 9, 1987 3 ♂♂ 99 ♀♀
Kežmarské Žlaby, Sept. 22, 1985 1 ♂ 8 ♀♀
Kráľova Lehota, Oct. 10, 1987 7 ♀♀
Liptovská Teplička, Sept. 21, 1985 2 ♂♂ 27 ♀♀
Malužiná, Oct. 10, 1987 4 ♀♀
Mlynky, Havrania Dolina, Sept. 19, 1985 1 ♀
Muránska Huta, Oct. 11, 1987 1 ♀
Podbanské, Sept. 20, 1985 1 ♂ 4 ♀♀, Oct. 10, 1987 3 ♂♂ 8 ♀♀
Podspády, Sept. 22, 1985 2 ♂♂ 4 ♀♀
Pribylina, Hrdovo, Sept. 20, 1985 13 ♂♂ 14 ♀♀, Oct. 10, 1987 3 ♂♂ 12 ♀♀
Stratená, Eng Canyon, Sept. 26, 1984 2 ♀♀, Sept. 19, 1985 4 ♀♀
Stratená, Ice Cave, Sept. 26, 1984 2 ♀♀, Oct. 11, 1987 1 ♀
Stratená, Píla, Sept. 19, 1985 1 ♂
Štrbské Pleso, Sept. 20, 1985 7 ♀♀
Švermovo, Pusté Pole, Sept. 24, 1984 1 ♂ 1 ♀, Sept. 26, 1984 1 ♀, Sept. 19, 1985 1 ♀, Sept. 22, 1985 2 ♀♀
Tatranská Kotlina, Sept. 22, 1985 2 ♂♂ 32 ♀♀
Tatranská Polianka, Sept. 25, 1984 2 ♂♂ 8 ♀♀, Sept. 20, 1985 8 ♂♂ 11 ♀♀
Vavrišovo, Oct. 10, 1987 4 ♀♀
Važec, Sept. 20, 1985 3 ♀♀
Vikartovce, Sept. 21, 1985 2 ♂♂
Vyšné Hágy, Sept. 20, 1985 1 ♂
Zlatno, Sept. 19, 1985 3 ♂♂ 3 ♀♀

Allogamus uncatatus BRAUER, 1857

Pribylina, Oct. 10, 1987 1 ♂
Stratená, Eng Canyon, Sept. 26, 1984 1 ♀
Stratená, Ice Cave, Sept. 26, 1984 3 ♀♀; Sept. 19, 1985 1 ♀, Oct. 9, 1987
2 ♂♂ 1 ♀, Oct. 11, 1987 2 ♂♂ 1 ♀
Stratená, Pálenica, Sept. 26, 1984 4 ♀♀, Oct. 9, 1987 7 ♂♂ 2 ♀♀
Švermovo, Hron Spring, Sept. 19, 1985 13 ♂♂ 1 ♀
Švermovo, Pusté Pole, Sept. 19, 1985 1 ♀
Tatranská Polianka, Sept. 25, 1984 4 ♂♂ 4 ♀♀, Sept. 20, 1985 2 ♀♀, Oct. 10,
1987 5 ♂♂

Parachiona picicornis PICTET, 1834

Dobšiná, Dankova, May 28, 1987 35 ♂♂ 2 ♀♀
Mlynky, Havrania Dolina, May 29, 1987 9 ♂♂
Švermovo, Hron Spring, May 29, 1987 1 ♂
Švermovo, Pusté Pole, May 29, 1987 9 ♂♂ 1 ♀

Chaetopteryx fusca BRAUER, 1857

Červená Skala, Oct. 9, 1987 12 ♂♂ 10 ♀♀
Červená Skala, Župkov Stream, Oct. 11, 1987 1 ♂
Dobšiná, Dankova, Oct. 8, 1987 1 ♀
Hrabušice, Sept. 26, 1984 1 ♂
Pribylina, Oct. 10, 1987 1 ♂ 1 ♀
Švermovo, Hron Spring, Oct. 9, 1987 1 ♂ 2 ♀♀
Vavrišovo, Oct. 10, 1987 1 ♀

Chaetopteryx polonica DZIEDZIELEWICZ, 1889

Dobšiná, Dankova, Oct. 8, 1987 1 ♀
Hrabušice, Sept. 25, 1984 9 ♂♂ 3 ♀♀, Oct. 9, 1987 1 ♂ 2 ♀♀
Tatranská Polianka, Sept. 25, 1984 15 ♂♂ 3 ♀♀, Sept. 20, 1985 1 ♀
Vavrišovo, Oct. 10, 1987 1 ♀

Psilopteryx psorosa KOLENATI, 1860

Dobšiná, Dankova, Oct. 8, 1987 1 ♀
Tatranská Polianka, Oct. 10, 1987 1 ♂

Pseudopsilopteryx zimmeri McLACHLAN, 1876

Batizovce, Sept. 20, 1985 1 ♂
Červená Skala, Župkov Stream, Oct. 11, 1987 2 ♂♂
Dobšiná, Dankova, Oct. 8, 1987 1 ♂
Hrabušice, Oct. 9, 1987 2 ♂♂
Mlynky, Havrania Dolina, Sept. 19, 1985 1 ♀
Podbanské, Oct. 10, 1987 2 ♂♂
Stratená, Hnilec, Sept. 21, 1985 1 ♀
Stratená, Ice Cave, Oct. 9, 1987 1 ♂ 1 ♀, Oct. 11, 1987 1 ♂
Stratená, Pálenica, Oct. 9, 1987 4 ♂♂ 1 ♀
Stratená, Pelc, Oct. 9, 1987 1 ♂
Švermovo, Pusté Pole, Sept. 26, 1984 1 ♂, Oct. 9, 1987 1 ♀
Tatranská Polianka, Oct. 10, 1987 2 ♂♂ 1 ♀
Vernár, Kopanec, Oct. 9, 1987 1 ♂ 1 ♀

Chaetopterygopsis maclachlani STEIN, 1874

Batizovce, Oct. 10, 1987 1 ♂
Červená Skala, Oct. 9, 1987 2 ♂♂
Stratená, Ice Cave, Oct. 9, 1987 1 ♂ 1 ♀
Tatranská Polianka, Oct. 10, 1987 2 ♂♂
Vavrišovo, Oct. 10, 1987 7 ♂♂ 3 ♀♀

Annitella obscurata McLACHLAN, 1876

Červená Skala, Oct. 9, 1987 38 ♂♂ 25 ♀♀
Gočovo, Oct. 10, 1987 1 ♂
Stratená, Hnilec, Oct. 9, 1987 7 ♂♂ 7 ♀♀
Stratená, Pelc, Oct. 9, 1987 1 ♂
Tisovec, Oct. 11, 1987 1 ♂

Annitella thuringica ULMER, 1909

Batizovce, Oct. 10, 1987 1 ♂ 1 ♀
Červená Skala, Oct. 9, 1987 7 ♂♂ 4 ♀♀
Červená Skala, Župkov Stream, Oct. 11, 1987 2 ♀♀
Liptovská Teplica, Sept. 21, 1985 1 ♂
Malužiná, Oct. 10, 1987 1 ♂
Podbanské, Oct. 10, 1987 23 ♂♂ 1 ♀
Pribylina, Hrdovo Oct. 10, 1987 12 ♂♂ 3 ♀♀
Stratená, Hnilec, Nov. 1, 1982 1 ♂, Sept. 24, 1984 2 ♂♂, Sept. 19, 1985 1 ♂,
Sept. 21, 1985 1 ♂

Stratená, Pálenica, Oct. 9, 1987 1 ♂
Vavrišovo, Oct. 10, 1987 4 ♂♂

LEPIDOSTOMATIDAE

Lasiocephala basalis KOLENATI, 1848
Dobšiná, Gubas Gründel, July 13, 1986 1 ♀
Crunocia irrorata CURTIS, 1834
Dobšiná, Dankova, July 11, 1986 1 ♂

GOERIDAE

Lithax niger HAGEN, 1859
Dobšiná, Dankova, May 28, 1987 1 ♀
Stratená, Ice Cave, July 15, 1986 1 ♂
Silo pallipes FABRICIUS, 1781
Červená Skala, July 12, 1986 3 ♂♂ 2 ♀♀
Dobšiná, Dankova, July 15, 1986 1 ♂ ♀♀
Dobšiná, Gubas Gründel, July 13, 1986 1 ♂, July 16, 1986 3 ♂♂
Mlynky, Havrania Dolina, July 17, 1986 1 ♂
Stratená, Eng Canyon, July 13, 1986 2 ♀♀
Stratená, Ice Cave, July 15, 1986 1 ♀ ♀♀
Stratená, Pálenica, July 15, 1986 2 ♀♀
Stratená, Píla, July 17, 1986 1 ♂ ♀♀
Vernár, July 12, 1986 1 ♂

LEPTOCERIDAE

Ceraclea dissimilis STEPHENS, 1836
Dobšiná, Gubas Gründel, July 16, 1986 1 ♀
Mystacides longicornis LINNAEUS, 1758
Dobšiná, Gubas Gründel, July 16, 1986 1 ♀
Adicella filicornis PICTET, 1834
Dobšiná, Dankova July 11, 1986 1 ♂, July 17, 1986 1 ♀

SERICOSTOMATIDAE

Oecismus monedula HAGEN, 1859
Dobšiná, Gubas Gründel, July 13, 1986 1 ♂, July 15, 1986 1 ♂, July 16, 1987
29 ♂♂ 1 ♀
Sericostoma flavicorne SCHNEIDER, 1845
Stratená, Hnilec, July 13, 1986 1 ♂
Sericostoma personatum KIRBY et SPENCE, 1862
Dobšiná, Dankova, July 11, 1986 1 ♀, July 15, 1986 3 ♂♂ 2 ♀♀, July 17, 1986
1 ♀
(Hřabušice, July 12, 1986 1 ♀ ?)
Stratená, Ice Cave, July 12, 1986 1 ♂
Stratená, Pelc, July 13, 1986 1 ♂

BERAEIDAE

Beraea pullata CURTIS, 1834
Švermovo, Pusté Pole, July 15, 1986 1 ♂
Ernodes articularis PICTET, 1834
Dobšiná, Dankova, July 11, 1986 3 ♂♂ 1 ♀, July 15, 1986 3 ♂♂ 1 ♀, July 17,
1986 2 ♂♂ 1 ♀
Dobšiná, Vinčovka, July 16, 1986 1 ♀
Rakovec, July 13, 1986 1 ♂ 1 ♀
Ernodes vicinus McLACHLAN, 1879
Hřabušice, July 12, 1986 2 ♀♀
Stratená, Hron July 13, 1986 1 ♂
Stratená, Ice Cave, July 12, 1986 1 ♂ 1 ♀, July 15, 1986 1 ♂
Švermovo, Pusté Pole, July 12, 1986 4 ♂♂ 1 ♀, July 15, 1986 1 ♂

ODONTOCERIDAE

Odontocerum albicorne SCOPOLI, 1763
Dobšiná, Dankova, July 15, 1986 1 ♀
Gemerská Poloma, Podsuňová, July 13, 1986 1 ♂
Stratená, Pálenica, July 13, 1986 1 ♂

Table 1.
Synopsis of distribution
data.

1. táblázat.
Az elterjedési adatok át-
tekintése.

Rhyacophila dorsalis
Rh. fasciata
Rh. glareosa
Rh. nubila
Rh. obliterata
Rh. philopotamoides
Rh. polonica
Rh. tristis
Rh. vulgaris
Glossosoma conformis
Agapetus fuscipes
A. ochripes
Synagapetus armatus
S. iridipennis
Philopotamus ludificatus
Ph. montanus
Ph. variegatus
Wormaldia copiosa
W. occipitalis
W. pulla
Hydropsyche fulvipes
H. instabilis
H. pellucidula
Plectrocnemia brevis
P. conspersa
Psychomyia pusilla
Tinodes dives
T. rostocki
Micrasema minimum
Apatania carpathica
A. fimbriata
Ecclisopteryx dalecarlica
E. madida

	SLOVAKIAN ORE MOUNTAINS	THE LOWER TATRAS	SLOVAKIAN PARADISE	THE WESTERN AND HIGH TATRAS
	1 Dobšiná	9 Brezno	20 Hrabušice	25 Batizovce
	2 Gemer. Poloma	10 Červ. Skala	21 Mlyny	26 Kežm. Žiaby
	3 Gočovo	11 Jarabá	22 Rakovec	27 Lučivná
	4 Hanková	12 Král. Lehota	23 Stratená	28 Nižné Hágy
	5 Murán. Huta	13 Lipt. Teplička	24 Vernár	29 Podbanské
	6 Muráň	14 Malužiná		30 Podspády
	7 Roštár	15 Svermovo		31 Pribylina
	8 Tisovec	16 Vikartovce		32 Štrbské Pleso
		17 Vyšná Boca		33 Tatr. Kotlina
		18 Vyšná Šuňava		34 Tatr. Polianka
		19 Zlatno		35 Vavrišovo
				36 Važec
				37 Vyšné Hágy
<i>Rhyacophila dorsalis</i>	•	•	•	•
<i>Rh. fasciata</i>	•	•	•	•
<i>Rh. glareosa</i>	•	•	•	•
<i>Rh. nubila</i>	•	•	•	•
<i>Rh. obliterata</i>	•	•	•	•
<i>Rh. philopotamoides</i>	•	•	•	•
<i>Rh. polonica</i>	•	•	•	•
<i>Rh. tristis</i>	•	•	•	•
<i>Rh. vulgaris</i>	•	•	•	•
<i>Glossosoma conformis</i>	•	•	•	•
<i>Agapetus fuscipes</i>	•	•	•	•
<i>A. ochripes</i>	•	•	•	•
<i>Synagapetus armatus</i>	•	•	•	•
<i>S. iridipennis</i>	•	•	•	•
<i>Philopotamus ludificatus</i>	•	•	•	•
<i>Ph. montanus</i>	•	•	•	•
<i>Ph. variegatus</i>	•	•	•	•
<i>Wormaldia copiosa</i>	•	•	•	•
<i>W. occipitalis</i>	•	•	•	•
<i>W. pulla</i>	•	•	•	•
<i>Hydropsyche fulvipes</i>	•	•	•	•
<i>H. instabilis</i>	•	•	•	•
<i>H. pellucidula</i>	•	•	•	•
<i>Plectrocnemia brevis</i>	•	•	•	•
<i>P. conspersa</i>	•	•	•	•
<i>Psychomyia pusilla</i>	•	•	•	•
<i>Tinodes dives</i>	•	•	•	•
<i>T. rostocki</i>	•	•	•	•
<i>Micrasema minimum</i>	•	•	•	•
<i>Apatania carpathica</i>	•	•	•	•
<i>A. fimbriata</i>	•	•	•	•
<i>Ecclisopteryx dalecarlica</i>	•	•	•	•
<i>E. madida</i>	•	•	•	•

FAUNISTICAL REMARKS

Asynarchus lapponicus ZETT. The most important and most interesting result was the discovery of this species in Slovakia. It was indicated by BOTOȘĂNEANU and MALICKY (1978) from the northern part of Europe and the Eastern Balkans. It was a surprise to us when we found it at the spring of River Hron, near Švermovo (cca. 950 m a. s. l.), on September 19, 1985. According to the paper cited above it lives in stagnant waters. At the collecting spot we found only running waters, except a small concrete basin at the spring. In the environs there are peat bogs, also. It may be a glacial relict species. This species proved to be new for the fauna of Czechoslovakia.

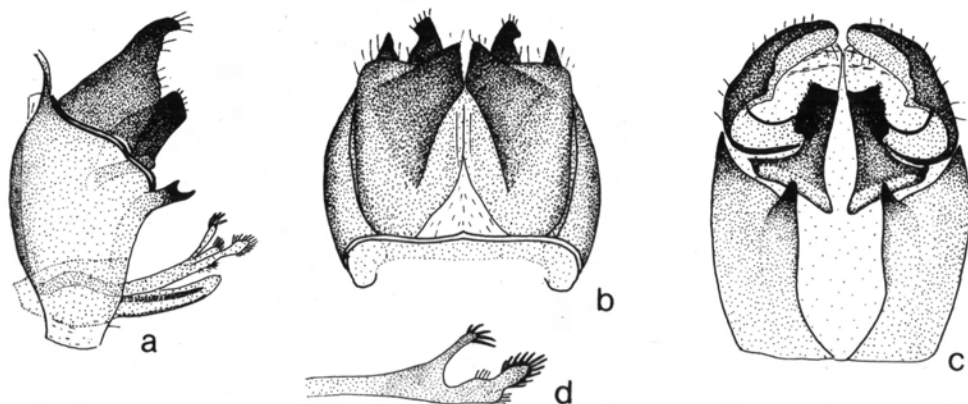


Fig. 2. Male genitalia of Asynarchus lapponicus ZETT. a = lateral, b = dorsal, c = caudal, d = titillator
2. ábra. Az Asynarchus lapponicus ZETT. hím ivarszerve. a = oldalnézetben, b = felülnézetben, c = hátulról, d = titillator

Synagapetus armatus McL. It lives in the Western Balkans and the Carpathians. From Slovakia it was reported by SÝKORA (1963), later by NOVÁK and OBR (1966). Only one specimen, a male was swept along a forest creek near Gemerská Poloma, at 900 m a. s. l.

Apatania carpathica SCHMID. Since its description this species was caught in few localities only. SÝKORA (1963), and NOVÁK and OBR (1966) mentioned it from Slovakia. We collected some specimens along a creek running across a boggy meadow at Došiná, Dankova.

Phacopteryx (Anabolia) brevipennis CURT. It is a relatively rare species (NOVÁK and OBR 1966). In Hungary it was collected recently (NÓGRÁDI 1984, NÓGRÁDI and UHERKOVICH 1988). Both specimens were swept along the River Hron in September. The Hungarian specimens were collected from May till July.

Chaetopteryx polonica DZIEDZ. It occurs in the Northern Carpathians and Northern Moravia (BOTOȘĂNEANU and MALICKY 1978). SÝKORA (1963), and NOVÁK and OBR (1966) reported its Slovakian occurrence. RIEDEL (1962) did not mention this species from the High Tatras. We collected several specimens at Tatranská Polianka among others, thus it is new for these mountains.

Pseudopsilopteryx zimmeri McL. A species of the Alps, the Carpathians and other mountains of middle heights in Central Europe. MAYER (1939a) reported it from Czechoslovakia. RIEDEL (1962) did not know it from the High Tatras. NOVÁK and OBR (1966) noted its occurrence here. We collected several specimens at 13 localities.

Annitella thuringica ULMER. Its distribution is similar to that of the preceding species. MAYER (1939a) did not record it from Slovakia. NOVÁK and OBR (1966) gave several locality data, they established that the species could be rather frequent at places. We collected several specimens. It was observed the males are swarming at bright sunny and windless weather, sometimes far from waters.

Further two species, Rhyacophila philopotamoides Mcl. and Glossosoma conformis NEBOISS were neither published by RIEDEL (1962) nor by NOVÁK and OBR (1966) from the Slovakian part of the High Tatras. We collected both species there thus, they are new for the Slovakian High Tatras.

The bulk of the material was collected by sweeping. Thus the species composition of these collecting trips cannot reflect true facts. Some Rhyacophila, Philopotamus and glossosomatid species, further some autumn limnephilids (mostly species of Chaetopterygini) proved to be conspicuously common. Limnephilus, Hydropsyche and leptocerid species were represented by only a few species in a few specimens. These latter ones can be captured mostly by lamp and light trap. The most frequent species was Allogamus auricollis PICT. In the autumn of 1985 huge masses were observed along the river Hron. In those days it was found everywhere and proved to be very frequent on the whole collecting area.

SUMMARY

During seven years seven collecting trips were led by us to Slovakia. In 37 sites 4302 specimens of 78 Trichoptera species were collected, mostly by daytime sweeping along streams, creeks, on peat bogs and boggy meadows. The collections covered the High, the Western and the Lower Tatras, the Slovakian Paradise and the Slovakian Ore Mountain. Ore species, Asynarchus lapponicus ZETT. proved to be new for the fauna of Czechoslovakia, while three for the Slovakian parts or the whole High Tatras.

Kiegészítések Szlovákiai tegzes faunájának (Trichoptera) ismeretéhez

NÓGRÁDI U. Sára és UHERKOVICH Ákos

Szerzők 1982-87 folyamán 7 gyűjtőutat tettek Szlovákiában, elsősorban abból a célból, hogy a Kárpát-medence északi részéről gyűjtsenek anyagot. Ezek az utak meglehetősen eredményesek voltak. 37 lelőhelyen 78 tegzes faj összesen 4302 példányt gyűjtöttek. A lelőhelyi adatok száma meghaladja a háromezret.

Újabb időkben NOVÁK és OBR (1977) foglalta össze a csehszlovákiai tegzeseiket. Ebben a munkában Szlovákia területéről 211 fajt említettek meg. A század első felében elsősorban MOCSÁRY (1900), Klapálek (1904), Pongrácz (1914), Fekete (1926) és Mayer (1935, 1936, 1937, 1938, 1939a, 1939b) művei alapozták meg ennek az országrésznek a faunáját. Az elmúlt évtizedekben Sedlák (1963) és Sýkora (1963) munkáira támaszkodhattunk. NOVÁK és OBR (1966) számos érdekes faj adatait adják meg cikkükben. A Magas Tatra tegzes faunáját pedig Riedel (1962) ismertette.

Szerzők gyűjtései a Szlovák Érchegységre, az Alacsony, Magas és Nyugati Tátrára, valamint a Szlovák Paradicsomra terjedtek ki és 37 község illetve település környékéről származnak. Elsősorban nappali hálózással gyűjtöttek, azonban alkalmanként lámpázták is (Dobšiná és Červená Skala körül). Főleg kisebb hegyi patakok, láprétek, olykor nagyobb patakok, kisebb folyók faunáját vizsgálták. Az angol nyelvű szövegben megadják az összes lelőhelyet és azoknak térképvázlatát.

Valamennyi gyűjtött példányukat közlik lelőhelyi és dátum-adataikkal együtt.

Vizsgálataik egyik legjelentősebb eredménye egy, Szlovákia és egyben Közép-Europa faunájára új faj, az Asynarchus lapponicus ZETT. megtalálása volt. Ezt a Lappföldről és a kelet-balkáni magashegyekből ismert fajt a Hrom (Garam) folyó forrásánál, 950 méters tengerszint feletti magasságban fogták. Valószínűleg jégkori reliktum.

Gyűjtések során több olyan fajt is találtak, amelyek ritkák vagy kevésbé ismertek (Synagapetus armatus Mcl., Apatania carpathica Schmid, Phacopteryx brevipennis Curt., Pseudopsiloptyx zimperi Mcl., Annitella thuringica ULMER) illetve a rendelkezésükre álló szakirodalom szerint eddig nem fogták azokat a Magas Tátrában (Chaetopteryx polonia Dzied., Rhyacophila philopotamoides Mcl., Glossosoma conformis NEBOISS).

Leggyakoribb fajnak az *Allogamus auricollis* PICT. bizonyult. Ugyancsak nagyon gyakoriak voltak bizonyos *Rhyacophila*, *Philopotamus* fajok és Glossosomatidák, ez elsősorban az alkalmazott gyűjtési mód következménye (nappali hálózás). Összel sok *Chaetopterygini* csoportba tartozó faj sikerült gyűjteni, némelyiküket igen sok helyről, számos példányban.

LITERATURE CITED

- BOTOȘĂNEANU, L. and MALICKY, H. (1978): Trichoptera, in Illies, J. Limnofauna Europaea, Second Ed., p. 333-359. - Stuttgart.
- FEKETE, G. (1926): Adatok Trencsén-vármegye Neuroptera- és Trichoptera-faunájához. - Folia ent. hung. 1(3): 71-83.
- KLAPÁLEK, F. (1900): Zpráva o výsledci cesty do Transylvánských Alp Vysokých Tater. - Vešt. čs. akad. cis. F. Josefa (Praha), 13.
- MAYER, L. (1935): Prispěvek k poznání chrostíků okolí Čilistova na Dunaji. - Sborn. Klubu Přír. v Brně 17: 73-78.
- MAYER, L. (1936): První příspěvek k poznání chrostíků Československé republiky. - Sborn. Klubu Přír. v Brně 18: 41-47.
- MAYER, L. (1937): Beiträge zur Kenntnis der Trichopterenfauna der Hohen Tatra. - Festschr. z. 60. Geb. v. Prof. Dr. R. Strand, Vol. III, p. 61-63.
- MAYER, L. (1938): Zweiter Beitrag zur Kenntnis der Trichopterenfauna der Czechoslowakischen Republiky. - Ent. listy (Brno) 1: 55-60.
- MAYER, L. (1939a): Chrostíci bývalé Československé republiky. - Ent. listy (Brno) 2: 24-36.
- MAYER, L. (1939b): Trichopteren der Hohen Tatra. - Věstn. čs. spol. zool. (Praha) 6-7: 304-317.
- NOGRÁDI, S. (1984): Six caddisfly species new in the Hungarian fauna (Trichoptera). - Folia ent. hung. 45 (1): 159-165.
- NOGRÁDI, S. and UHERKOVICH, A. (1988): The caddisfly fauna of the Gyöngyös Stream-system, South Hungary (Trichoptera). - A Janus Pann. Múz. Évk. (Pécs) 32 (in print).
- MOCSÁRY, S. (1900): Neuroptera. - Fauna Regni Hung. p. 33-41.
- NOVÁK, K. (1973): Die Trichopterenfauna Tschechoslowakei. - Folia ent. hung. 26 (suppl.): 311-316.
- NOVÁK, K. and OBR, S. (1966): Beitrag zur Kenntnis der Köcherfliegen (Trichoptera) in der Slowakie. - Acta rer. mus. Nat. Slov., Bratislava 12 (2): 33-42.
- NOVÁK, K. and OBR, S. (1977): Trichoptera. Check list 1. (Enumeratio Insectorum Bohemoslovakiae). - Acta faun. ent. mus. nat. Pragae (suppl.4): 135-141.
- PONGRÁCZ, S. (1914): Magyarország Neuropteroidái (Enumeratio Neuropteroidum Regni Hungariae). - Rovartani Lapok 21 (9-12): 109-155.
- SEDLÁK, E. (1963): Několik nálezů vhrstíků (Trichoptera) z nízkých Tater. - Publ. Fac. sci. univ. J. E. Purkyně (Brno) 444: 287-292.
- SÝKORA, J. (1963): Několik zajímavých druhů potačnicků z Československa (Trichoptera). - Biologičai 18 (8): 588-592.
- RIEDEL, W. (1962): Chroščiki (Trichoptera) Tatr. - Fragm. Faun. (Warszawa) 9 (26): 417-438.

Dr. NOGRÁDI, U. Sára
 Dr. UHERKOVICH, Ákos
 Janus Pannonius Múzeum
 H-7600 PÉCS
 Rákóczi út 64.