

## ORIBATID MITES (ACARINA: ORIBATIDA) OF PIENINY NATIONAL PARK AND JARABINSKÝ PRIELOM NATURE RESERVE, NORTH-EAST SLOVAKIA

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**Abstract:** Results of the faunistic study of oribatid mites (Acarina, Oribatida) performed in 1987–1990 in the territories of National Park Pieniny and Nature Reserve of Jarabinský prielom (Western Carpathians, NE Slovakia) are presented. Altogether, 235 species of oribatids were recorded, 231 in Pieniny National Park, and 62 in Jarabinský prielom gorge. 7 species (*Liochthonius tuxeni*, *Phthiracarus* cf. *italicus*, *Hoplophthiracarus illinoisensis*, *Arthrodamaeus reticulatus*, *Cultroribula confinis*, *Berninella latidens*, *Rhaphigneta numidiana* and *Oribatella* cf. *brevipila*) were recorded for the first time from Slovakia, 10 other species were found for the second time in Slovak fauna.

**Key words:** Acari, Oribatida, Slovakia, faunistics, Pieniny, Jarabinský prielom, national park.

### INTRODUCTION

Pieniny National Park is located in northern part of East Slovakia, bordering with the Polish National Park of the same name. The park covers Slovak part of Pieniny and Malé Pieniny mountain ranges on the right bank of the Dunajec river. Highest peaks of the territory reach over 1000 m above sea level; the stream of Dunajec river is at about 450 m above sea level. Very rich and still rather well preserved vegetation benefits from geological substrate, mostly created by dolomitic limestone of klippen belt of Western Carpathians. Jarabinský prielom Natural Reserve is a water shaped limestone gorge located close to east part of the National Park, northern to village of Jarabina.

The aim of this paper is to present results of comprehensive faunistic research of oribatid mites (Acarina, Oribatida), which was held in the years 1987–1990, in the framework of faunistic mapping of East-Slovak soil fauna. Results complement our earlier publication on Uropodina (BŁOSZYK & MIKO 1990).

### MATERIAL AND METHODS

Qualitative and semi-quantitative samples of different micro-habitats were collected during the years 1987–1990 in various locations and habitat types of Pieniny National Park (Figure 1). Samples in Jarabinský prielom gorge were collected in the year 1989. Qualitative samples (in following list marked by asterisk) were collected as mixed samples either by hand, knife or by shovel. In case of litter or soil the sample was collected from area of about 1 square meter by up to the volume of cca 300–500 cm<sup>3</sup>, in other cases (mosses, lichens, primary soil in rock crevices etc.) volume and size of the sample depends on available size of micro-habitat. Semi-quantitative samples were taken by standardized soil corer with diameter of 6 cm, to the depth of 10 cm. Some samples were split for extraction, and only partly analysed, so the numbers of individuals only can be compared as relative numbers within the particular sample, the calculation of real abundance (ind/m<sup>2</sup>) was therefore not approached. In majority of qualitative samples, only presence or absence of individual species was checked, these findings are in the list of species presented by (+) sign. In other cases (semi-quantitative

samples), number of observed individuals is given. Altogether, 59 samples from Pieniny national park and 5 samples from Jarabinský prielom gorge were collected and analysed.

Oribatids were extracted by using modified Berlese-Tullgren apparatus for 5–7 days, heated by bulbs from second day onwards, and collected in 75% alcohol. Material is only partly preserved (except the most common species) in the collection of the author, with exception of holotypes of newly described species, which were located in public collections (see MIKO 1993 and MIKO 2008 for more details). For determination of the species I followed the approach of WEIGMANN (2006), with some very slight modifications.

The localities and samples are specified in following list. In the species overview, only the initial numbers from (1) to (64) are used to indicate the findings. Description of the each sample starts with a sample number as used in my private collection. Overview of localities and samples taken (small letter in parenthesis before the name of area corresponds to the description of area in map on Figure 1):

**(I) Pieniny National Park**

**(a)** Dunajec gorge, upper (southern) part: Červený Kláštor monastery – Huta-stream turn under Poľana Mt.

**(1)** 170-87 Dunajec gorge, Prielom Dunajca-Huta (440 m), *Salix* growth, litter and upper soil layer, (18.4.1987)

**(2)** 178-87 Dunajec gorge, rocks above the river stream turn upstream of Huta (450 m), mosses and primary soil on the rocks (18.4.1987)

**(3)** 309-89 Dunajec river alluvium near Červený Kláštor monastery (420 m), *Alnus* forest, soil organic and mineral layer (9.9.1989)

**(4)** 310-89 Dunajec river alluvium near Červený Kláštor monastery (420 m), *Alnus* forest, mosses on the rotting wood and upper soil layer (9.9.1989)

**b)** Dunajec gorge, lower (northern) part: stream turn under Poľana Mt. – Kače – border Slovakia/Poland

**(5)** 199-87\* Dunajec gorge under Kače rocks, southwest slope of calcareous rock near to the borderline Slovakia-Poland (420 m), meadow with *Juniperus*, upper soil layer (15.9.1987)

**(6)** 200-87\* Dunajec gorge under Kače rocks, southwest slope of calcareous rock near to the borderline Slovakia-Poland (420 m), primary soil and mosses on the rocks (15.9.1987)

**(7)** 201-87\* Dunajec gorge under Kače rocks, southwest slope of calcareous rock near to the borderline Slovakia-Poland (440 m), litter in *Pinus* forest (15.9.1987)

**(8)** 321-88\* Dunajec gorge, Storočný prameň, petricol mosses and soil (21.8.1988)

**(9)** 326-88\* Dunajec gorge under Kače rocks, northern foothill at the border Slovakia-Poland, petricol mosses and primary soil (21.8.1988)

**(c)** Gorge of Lesnický potok: Kače – Osobitá skala

**(10)** 176-87\* Osobitá skala, northwest slope (450 m), *Fagus* forest, litter (18.4.1987)

**(11)** 187-87\* Kače rocks, southern slope above the “Salaš Pieniny” (550 m), shrubs (*Fagus*, *Carpinus*), litter and upper soil (18.4.1987)

**(d)** Kláštorná hora Mt.

**(12)** 189-87 Kláštorná hora Mt., northern slope (520 m), *Picea* forest with *Fagus* and *Abies*, litter (18.4.1987)

**(13)** 191-87\* Kláštorná hora Mt., western slope near Červený Kláštor (500 m), *Picea* forest, litter (18.4.1987)

**(14)** 196-87\* Kláštorná hora Mt., northern foothill above the stream turn near Jánošíkov skok (450 m), mosses and soil on the rocks (15.9.1987)

**(15)** 319-88 Kláštorná hora Mt., northern slope (550 m), *Tilio-Aceretum*, litter and upper soil layer (21.8.1988)

**(16)** 320-88\* Kláštorná hora Mt., northern slope (550 m), *Tilio-Aceretum*, mosses on the soil and on rocks (21.8.1988)

**(17)** 308-89 Kláštorná hora Mt., western slope near Červený Kláštor (500 m), mixed forest (*Fagus*, *Picea*, *Abies*), litter and organic soil layer (9.9.1989)

**(e)** Poľana Mt. – Holica Mt. range

**(18)** 174-87 Holica Mt., tophill (825 m), *Abieto-Fagetum*, mosses on the rocks (15.9.1987)

**(19)** 182-87 Poľana Mt., western slope slightly above the foothill (480 m), mixed forest (*Abieto-Fagetum*) with *Asarum*, *Hepatica*, *Dentaria*, forest litter (18.4.1987)

**(20)** 194-87\* Holica Mt., tophill (825 m), *Abieto-Fagetum*, litter and upper soil layer (15.9.1987)

**(21)** 195-87\* Holica Mt., tophill (825 m), *Abieto-Fagetum*, arboricol lichens on the *Abies* deadwood (15.9.1987)

**(22)** 327-88\* Holica Mt., western slope slightly above the foothill (480 m), litter of *Fagus* forest (21.8.1988)

**(23)** 87-90 Holica Mt., above the foothill in Dunajec gorge (500 m), *Abieto-Fagetum*, litter (8.6.1990)

**(24)** 88-90 Holica Mt., above the foothill in Dunajec gorge (500 m), litter of *Fagus* forest (8.6.1990)

**(f)** Biela Skala Mt.

**(25)** 171-87 Biela Skala, western slope in Dunajec river valley (500 m), litter of *Picea*, *Fagus* and *Corylus* (15.9.1987)

**(26)** 172-87 Biela Skala (cote 834.2), northern slope (600 m), *Fagus* forest, litter (15.9.1987)

**(27)** 180-87 Biela Skala (cote 834.2), northern slope (600 m), *Fagus* forest, mineral soil layer (15.9.1987)

**(28)** 192-87\* Biela skala (western slope), Cerla saddle (600 m), *Fagus* forest, litter (15.9.1987)

**(29)** 322-88 Biela Skala, northern range (Barsztyg), northern slope of the valley near Huta (550 m), *Abieto-Fagetum* with *Picea*, litter (21.8.1988)

**(30)** 323-88 Biela Skala, tophill (830 m), *Pinus* forest with *Fagus* and *Picea*, litter and upper soil layer (21.8.1988)

**(31)** 324-88\* Biela Skala, tophill (830 m), *Pinus* forest with *Fagus* and *Picea*, mosses on the rocks (21.8.1988)

**(32)** 325-88\* Biela Skala, southern slope (700 m), meadow with *Juniperus*, upper soil layer and rhizosphere (21.8.1988)

**(g)** Haligovské skaly rocks – Plašná Mt.

**(33)** 173-87 Haligovské skaly range, western peak (820 m), *Picea* forest with *Fagus* and *Abies*, litter and upper soil layer (15.9.1987)

**(34)** 175-87 Haligovské skaly range, top (850 m), grassland with *Juniperus* and *Sempervivum*, primary soil and mosses on the rocks (15.9.1987)

**(35)** 179-87 Haligovské skaly range, meadow on the ridge between Axamitka and Pod Plašnou saddle (840 m), litter and upper soil layer with rhizosphere (15.9.1987)

**(36)** 181-87 Haligovské skaly range, northern slope under the saddle Pod Plašnou (800 m), shrubby vegetation with *Salix* and *Corylus* (18.4.1987)

(37) 202-87\* Axamitka range (850 m), *Pinus* forest, litter and upper soil layer (15.9.1987)

(38) VM-07-88 Haligovské skaly, southern slope, grass rhisosphere, mosses and soil on the rocks (15.6.1988, lgt. Vlastimil Mikoláš)

(h) Village of Lesnica – valley of Lesnický potok up to Lesnické sedlo saddle (Mláčne)

(39) 177-87 Lesnica, saddle south from the village on green tourist route (680 m), mountain meadow with *Juniperus*, litter and upper soil layer with rhisosphere (15.9.1987)

(40) 193-87\* Lesnica, Targov (Vyhlíadka), northern slope south-west to the village (700 m), mixed forest above the village (*Picea, Fagus*), lichens on trees (15.9.1987)

(41) 90-90 Lesnica, southern slope near the road above the village (580 m), rye field, upper soil layer (8.6.1990)

(42) 91-90 Lesnica, southern slope near the road above the village (580 m), meadow, litter and upper soil layer (8.6.1990)

(43) 92-90 Lesnica, western slope above the road curve above the village (640 m), mixed bush vegetation (*Corylus, Carpinus, Rubus*), litter (8.6.1990)

(44) 93-90 Lesnica, Lesnické sedlo - Mláčne (710 m), meadow with orchids on small ridge, moss growths on the rocks and grass rhisosphere (8.6.1990)

(45) 94-90 Lesnica, Lesnické sedlo - Mláčne (710 m), meadow with *Juniperus*, upper soil layer and grass rhizosphere (8.6.1990)

(i) Range of Šafranovka Mt. – Lužná skala rocks

(46) 328-88\* Lužná skala, south-east slope (650 m), shrubland – mixed forest (*Fagus, Picea, Cornus*), litter (21.8.1988)

(47) 329-88\* Lužná skala, south-east slope (650 m), *Pinus* forest, litter and upper soil layer (21.8.1988)

(48) 330-88\* Lužná skala, south-east slope (650 m), mixed forest, rotting wood and mosses on the dead trunk of *Sorbus* (21.8.1988)

(49) 302-89 Šafranovka Mt., western slope, rocks under the small top (592 m), mosses on the soil surface (9.9.1989)

(50) 303-89 Šafranovka Mt., western slope, rocks under the small top (592 m), litter of mixed forest (*Fagus, Picea, Abies*) (9.9.1989)

(j) Malé Pieniny range between Rabštín Mt. – Vysoké Skalky Mt.

(51) LP-02-88 Vysoké skalky Mt., rocks on the top (1030 m), grassy vegetation with *Cotoneaster*, soil and grass rhisosphere on the rocks (25.8.1988)

(52) 304-89 Rabštín – Šlachovky range, southern slope (800 m), litter of *Pinus* forest (9.9.1989)

(53) 305-89 Rabštín – Šlachovky range, southern slope (800 m), litter of *Pinus* forest (9.9.1989)

(54) 306-89 Rabštín – Šlachovky range, southern slope (800 m), *Picea* forest with *Pinus*, litter and upper soil layer (9.9.1989)

(55) 307-89 Rabštín – Šlachovky range, southern slope (780 m), meadow with *Juniperus* under the edge of *Pinus* forest, upper soil layer and litter (9.9.1989)

(56) 311-89 Vysoké Skalky Mt., western saddle – Kaprálová (935 m), mosses in a little peat-bog (9.9.1989)

(k) Village of Stráňany, Kýčera Mt. southern slopes

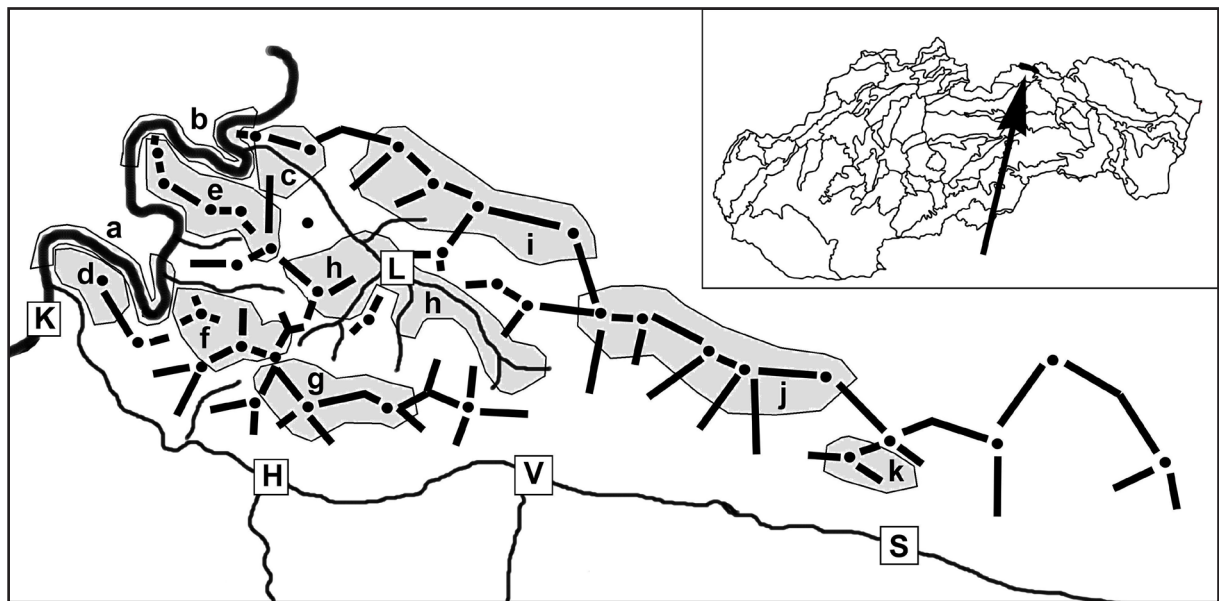
(57) 95-90 Stráňany, small rocky valley at southern slope of Kýčera Mt. (820 m), mixed forest (*Fagus, Picea, Abies*) with *Asarum*, moist litter (8.6.1990)

(58) 96-90 Stráňany, small rocky valley at southern slope of Kýčera Mt. (820 m), primary soil and mosses on the rocks (8.6.1990)

(59) 97-90 Stráňany, small rocky valley at southern slope of Kýčera Mt. (820 m), calcareous rocks, mixed forest (*Fagus, Picea, Abies, Pinus*), litter (8.6.1990)

(II) Jarabinský prielom Nature Reserve

(60) 50-89 Jarabinský prielom gorge (650 m), mosses, grass and soil on the rocks (26.3.1989)



**Figure 1.** Schematic map of the studied areas of Pieniny National Park. Broader localities of sampling as presented in overview of taken samples are in grey color. Several samples were taken in each area (see text).

Localities: **a** – upper part of Dunajec gorge, **b** – lower part of Dunajec gorge, **c** – Kače-Osobitá skala, **d** – Kláštorhá hora, **e** – Poľana-Holica, **f** – Biela skala, **g** – Haligovské skaly, **h** – Lesnica, **i** – Šafranovka-Lužná skala, **j** – Malé Pieniny (Rabštín-Vysoké skalky), **k** – Stráňany-Kýčera.

Abbreviations (villages of Pieniny): **K** – Červený Kláštor, **H** – Haligovce, **L** – Lesnica, **V** – Veľký Lipník, **S** – Stráňany.



- (61) 51-89 Jarabinský prielom gorge (650 m), mosses and soil on the rocks (26.3.1989)  
 (62) 52-89 Jarabinský prielom gorge (650 m), wet mosses and soil on the rocks (26.3.1989)  
 (63) 53-89 Jarabinský prielom gorge (650 m), *Picea* forest, litter and upper soil layer (26.3.1989)  
 (64) 54-89 Jarabinský prielom gorge (650 m), *Picea* forest, rotten spruce stump with mosses, 1 m above the soil surface (26.3.1989)

## RESULTS

Altogether, 235 species were collected in the area, representing almost 50% of known Slovak oribatid fauna. From this amount, 231 species were found in the Pieniny National Park area, and 62 species found in natural reserve of Jarabinský prielom. Two species – *Trichermaeus travei* Miko, 1993 and *Porobalba weigmanni* Miko 2008 – were described as new for the science from Pieniny National Park. 7 species (*Liochthonius tuxeni*, *Phthiracarus* cf. *italicus*, *Hoplophthiracarus illinoisensis*, *Arthrodamaeus reticulatus*, *Cultroribula confinis*, *Berninella latidens*, *Rhaphigneta numidiana* and *Oribatella* cf. *brevipila*) were found for the first time in Slovakia and are new for Slovak fauna. 10 other species were found for second time in Slovakia. Some species were not determined to species level, further investigation is needed to clarify, if they represent new undescribed species or if they fall within the variability of known species. Overview of the species found:

### Brachychthoniidae

#### *Brachychthonius impressus* Moritz, 1976

Kláštorná hora: (12) – 16 individuals (further referred as ind.) found.

#### *Sellnickochthonius hungaricus* (Balogh, 1943)

Gorge of Lesnický potok: (11) – (+).

#### *Eobrachychthonius oudemansi* Van der Hammen, 1952

Kláštorná hora: (12) – 6 ind.

Second record for the Slovak fauna.

#### *Liochthonius horridus* (Sellnick, 1928)

Kláštorná hora: (12) – 2 ind.

#### *Liochthonius lapponicus* (Trägårdh, 1910)

Gorge of Lesnický potok: (11) – (+); Kláštorná hora: (12) – 1 ind.

#### *Liochthonius muscorum* Forsslund, 1964

Kláštorná hora: (12) – 2 ind.

#### *Liochthonius sellnicki* (Thor, 1930)

Haligovské skaly – Plašná: (36) – 2 ind.

#### *Liochthonius strenzkei* Forsslund, 1963

Polana – Holica: (19) – 4 ind.

#### *Liochthonius tuxeni* (Forsslund, 1957)

Kláštorná hora: (12) – 2 ind.

First record for the Slovak fauna.

#### *Poecilochthonius spiciger* (Berlese, 1910)

Gorge of Lesnický potok: (10) – (+).

### Hypochthoniidae

#### *Hypochthonius rufulus* C. L. Koch, 1835

Lesnica and Lesnický potok valley: (39) – 1 ind.

### Eniochthoniidae

#### *Hypochthoniella minutissima* (Berlese, 1903)

Gorge of Lesnický potok: (11) – (+); Jarabinský prielom: (62) – 4 ind.

### Eulohmanniidae

#### *Eulohmannia ribagai* (Berlese, 1910)

Polana – Holica: (22) – (+); Haligovské skaly – Plašná: (33) – 2 ind.; Lesnica – valley of Lesnický potok: (39) – 1 ind.; Šafranovka-Lužná skala: (50) – 2 ind.; Strážany: (57) – 3 ind.; Strážany: (58) – 1 ind.

### Perlohmanniidae

#### *Perlohmannia dissimilis* (Hewitt, 1908)

Kláštorná hora: (12) – 1 ind.

### Phthiracaridae

#### *Phthiracarus* cf. *crinitus* (C. L. Koch, 1841)

Lesnica – valley of Lesnický potok: (44) – 3 ind.

#### *Phthiracarus ferrugineus* (C. L. Koch, 1841)

Dunajec gorge (upper part): (2) – 1 ind.; (3) – 1 ind.; Haligovské skaly – Plašná: (36) – 2 ind.

#### *Phthiracarus* cf. *globosus* (C. L. Koch, 1841)

Polana – Holica: (19) – 1 ind.

#### *Phthiracarus* cf. *italicus* (Oudemans, 1906)

Dunajec gorge (upper part): (3) – 1 ind.; Lesnica – valley of Lesnický potok: (44) – 1 ind.

First record for the Slovak fauna.

#### *Phthiracarus* cf. *laevigatus* (C. L. Koch, 1844)

Recorded earlier from Slovakia as *P. nitens* (Nicolet, 1855) and as *P. parabotrichus* (Feider et Suciu, 1957).

Šafranovka – Lužná skala: (50) – 2 ind.; Strážany: (59) – 1 ind.

#### *Phthiracarus* cf. *longulus* (C. L. Koch, 1841)

Dunajec gorge (upper part): (4) – 1 ind.; Kláštorná hora: (15) – 1 ind.; Polana – Holica: (21) – 2 ind.; (22) – 3 ind.; Haligovské skaly – Plašná: (33) – 1 ind.; Šafranovka – Lužná skala: (50) – 2 ind.; Rabštin – Vysoké skalky: (56) – 1 ind.; Strážany: (58) – 1 ind.

Second record from Slovakia.

#### *Phthiracarus stramineus* (C. L. Koch, 1841)

Rabštin – Vysoké skalky: (55) – 1 ind.

Second record from Slovakia.

#### *Steganacarus* (s.str.) *applicatus* (Sellnick, 1920)

Haligovské skaly – Plašná: (37) – (+); Šafranovka – Lužná skala: (50) – 2 ind.

Second record from Slovakia.

#### *Steganacarus* (s.str.) *spinosis* (Sellnick, 1920)

Polana – Holica: (20) – (+); (21) – (+); (22) – (+); Biela Skala: (26) – 3 ind.; Haligovské skaly – Plašná: (33) – 9 ind.; (36) – 1 ind.; Šafranovka – Lužná skala: (50) – 5 ind.; Rabštin – Vysoké skalky: (55) – 1 ind.; Strážany: (58) – 1 ind.; Jarabinský prielom: (61) – 2 ind.

#### *Steganacarus* (*Atropacarus*) *striculus* (C. L. Koch, 1835)

Dunajec gorge (upper part): (1) – 1 ind.; Gorge of Lesnický potok: (10) – (+); Kláštorná hora: (13) – (+); (15) – 1 ind.; Haligovské skaly – Plašná: (36) – 1 ind.; (37) – (+); Polana – Holica: (19) – 10 ind.; (21) – (+); Biela Skala: (28) – (+); (29) – 1 ind.; Šafranovka – Lužná skala: (50) – 1 ind.; Strážany: (58) – 2 ind.; Jarabinský prielom: (63) – 2 ind.

#### *Hoplophthiracarus illinoisensis* (Ewing, 1909)

This species was earlier recorded as *Calyptophthiracarus cretensis* Mahunka, 1991 and corresponds to the central european species, which was erroneously determined as *Hoplophthiracarus pavidus* auct.

Dunajec gorge (upper part): (2) – 1 ind.; Dunajec gorge (lower part): (6) – (+); (7) – (+); Kláštorňá hora: (16) – (+); Biela Skala: (32) – (+); Haligovské skaly – Plašná: (34) – 1 ind.; Stráňany: (58) – 1 ind.; Jarabinský prielom: (61) – 6 ind.

First record for Slovak fauna.

### **Euphthiracaridae**

#### ***Euphthiracarus cribrarius* (Berlese, 1904)**

Kláštorňá hora: (13) – (+).

#### ***Euphthiracarus monodactylus* (Willmann, 1919)**

Kláštorňá hora: (13) – (+).

#### ***Microtrititia minima* (Berlese, 1904)**

Kláštorňá hora: (13) – (+).

#### ***Rhysotrititia ardua* (C. L. Koch, 1841)**

Poľana – Holica: (18) – 1 ind.; Biela Skala: (32) – (+); Haligovské skaly – Plašná: (36) – 1 ind.; Jarabinský prielom: (62) – 1 ind.

#### ***Rhysotrititia* sp.**

Kláštorňá hora: (16) – (+); Poľana – Holica: (20) – (+).

#### ***Mesotrititia flagelliformis* (Ewing, 1909)**

Reported previously as *M. testacea* (Forsslund, 1963).

Kláštorňá hora: (17) – 1 ind.; Poľana – Holica: (19) – 1 ind.

### **Malaconothridae**

#### ***Malaconothrus monodactylus* (Michael, 1888)**

Rabštin – Vysoké skalky: (56) – 1 ind.

### **Trhypochthoniidae**

#### ***Trhypochthonius tectorum* (Berlese, 1896)**

Dunajec gorge (lower part): (9) – (+); Gorge of Lesnický potok: (11) – (+); Šafranovka – Lužná skala: (50) – 7 ind.; Stráňany: (58) – 2 ind.

### **Nothridae**

#### ***Nothrus borussicus* Sellnick, 1928**

Dunajec gorge (upper part): (1) – 3 ind.

#### ***Nothrus palustris* C. L. Koch, 1839**

Haligovské skaly – Plašná: (36) – 3 ind.; Rabštin – Vysoké skalky: (52) – 4 ind.

#### ***Nothrus silvestris* Nicolet, 1855**

Šafranovka – Lužná skala: (50) – 1 ind.; Stráňany: (58) – 1 ind.

#### ***Camisia biurus* (C. L. Koch, 1839)**

Poľana – Holica: (24) – 1 ind.; Stráňany: (58) – 1 ind.

#### ***Camisia biverrucata* (C. L. Koch, 1839)**

Dunajec gorge (lower part): (7) – (+); Rabštin – Vysoké skalky: (51) – 1 ind.; Jarabinský prielom: (62) – 1 ind.

#### ***Camisia horrida* (Hermann, 1804)**

Lesnica – valley of Lesnický potok: (40) – (+); Šafranovka – Lužná skala: (49) – 1 ind.

#### ***Camisia segnis* (Hermann, 1804)**

Haligovské skaly – Plašná: (34) – 1 ind.; Šafranovka – Lužná skala: (48) – (+).

#### ***Camisia spinifer* (C. L. Koch, 1835)**

Biela Skala: (31) – (+); Stráňany: (59) – 1 ind.

#### ***Heminothrus targionii* (Berlese, 1885)**

Kláštorňá hora: (13) – (+); Poľana – Holica: (21) – (+); Lesnica – valley of Lesnický potok: (39) – 1 ind.; Jarabinský prielom: (61) – 3 ind.

#### ***Platynothrus peltifer* (C. L. Koch, 1839)**

Kláštorňá hora: (14) – (+); Poľana – Holica: (21) – 2 ind.; Haligovské skaly – Plašná: (33) – 2 ind.; (35) – 1 ind.; (36) – 1 ind.; Lesnica – valley of Lesnický potok: (39) – 25 ind.; (42) – 4 ind.; Jarabinský prielom: (61) – 1 ind.

#### ***Platynothrus capillatus* (Berlese, 1914)**

Rabštin – Vysoké skalky: (56) – 1 ind.

### **Nanhermanniidae**

#### ***Nanhermannia coronata* Berlese, 1913**

Rabštin – Vysoké skalky: (56) – 3 ind.

#### ***Nanhermannia elegantula* Berlese, 1913**

Gorge of Lesnický potok: (10) – (+).

#### ***Nanhermannia komareki* Kunst, 1956**

Rabštin – Vysoké skalky: (54) – 1 ind.

#### ***Nanhermannia nana* (Nicolet, 1855)**

Poľana – Holica: (21) – (+); Haligovské skaly – Plašná: (36) – 4 ind.; Šafranovka – Lužná skala: (50) – 2 ind.; Stráňany: (58) – 2 ind.

### **Hermanniiidae**

#### ***Hermannia gibba* (C. L. Koch, 1839)**

Dunajec gorge (upper part): (2) – 1 ind.; Kláštorňá hora: (13) – (+); (15) – 1 ind.; Haligovské skaly – Plašná: (33) – 1 ind.; (37) – (+); Poľana – Holica: (19) – 13 ind.; (20) – 2 ind.; Šafranovka – Lužná skala: (46) – 7 ind.; (48) – (+); Rabštin – Vysoké skalky: (52) – 8 ind.; Stráňany: (57) – 1 ind.; (58) – 1 ind.

### **Hermanniellidae**

#### ***Hermanniella dolosa* Grandjean, 1931**

Dunajec gorge (upper part): (2) – 3 ind.; Dunajec gorge (lower part): (7) – (+); Gorge of Lesnický potok: (11) – (+).

### **Neoliodidae**

#### ***Platyliones scaliger* (C. L. Koch, 1840)**

Dunajec gorge (upper part): (2) – 1 ind.; Dunajec gorge (lower part): (6) – (+); (7) – (+); Kláštorňá hora: (14) – (+); Haligovské skaly – Plašná: (34) – 8 ind.; (37) – (+); (50) – 20 ind.; Rabštin – Vysoké skalky: (51) – 2 ind.; Stráňany: (58) – 11 ind.; Jarabinský prielom: (61) – 1 ind.

### **Gymnodamaeidae**

#### ***Arthrodamaeus femoratus* (C. L. Koch, 1839)**

Dunajec gorge (lower part): (6) – (+); (9) – (+); Gorge of Lesnický potok: (11) – (+); Biela Skala: (32) – (+); Šafranovka – Lužná skala: (50) – 10 ind.; Stráňany: (58) – 3 ind.

#### ***Arthrodamaeus reticulatus* (Berlese, 1910)**

Gorge of Lesnický potok: (11) – (+).

First record for Slovak fauna.

#### ***Gymnodamaeus bicostatus* (C. L. Koch, 1835)**

Dunajec gorge (lower part): (5) – (+); Gorge of Lesnický potok: (11) – (+); Stráňany: (58) – 2 ind.

### **Licnodamaeidae**

#### ***Licnodamaeus pulcherrimus* (Paoli, 1908)**

Haligovské skaly – Plašná: (37) – (+).

### **Damaeidae**

#### ***Damaeus* (s. str.) *auritus* C. L. Koch, 1835**

Gorge of Lesnický potok: (10) – (+); Šafranovka – Lužná skala: (48) – (+); Rabštin – Vysoké skalky: (52) – 3 ind.; (54) – 2 ind.; (56) – 1 ind.; Stráňany: (57) – 5 ind.

***Damaeus (s. str.) crispatus (Kulczynski, 1902)***

Šafranovka – Lužná skala: (46) – (+); Lesnica – valley of Lesnický potok: (43) – 1 ind.

***Damaeus (s. str.) gracilipes (Kulczynski, 1902)***

Kláštorná hora: (12) – 1 ind.; Šafranovka – Lužná skala: (49) – 1 ind.; Rabštín – Vysoké skalky: (55) – 2 ind.; Jarabinský prielom: (63) – 1 ind.

***Damaeus (s. str.) riparius Nicolet, 1855***

Dunajec gorge (upper part): (1) – 1 ind.; Gorge of Lesnický potok: (10) – (+); (11) – (+); Kláštorná hora: (15) – 1 ind.; Poľana – Holica: (23) – 1 ind.; Rabštín – Vysoké skalky: (55) – 2 ind.; Jarabinský prielom: (61) – 1 ind.

***Spatiodamaeus fagetii (Bulanova-Zakhvatkina, 1957)***

Stráňany: (59) – 1 ind.

***Spatiodamaeus verticillipes (Nicolet, 1855)***

Stráňany: (58) – 1 ind.

***Spatiodamaeus sp.***

Dunajec gorge (lower part): (7) – (+).

Single individual found differs from all known species of the genus, most probably species nova.

***Epidamaeus setiger (Kulczynski, 1902)***

Šafranovka – Lužná skala: (50) – 11 ind.; Stráňany: (58) – 1 ind.

Second record for Slovak fauna.

***Epidamaeus tatricus (Kulczynski, 1902)***

Gorge of Lesnický potok: (10) – (+); (11) – (+).

***Belba bartoši Winkler, 1955***

Kláštorná hora: (13) – (+).

***Belba corynopus (Hermann, 1804)***

Poľana – Holica: (20) – (+).

***Metabelba papillipes (Nicolet, 1855)***

Dunajec gorge (upper part): (1) – 31 ind.; Dunajec gorge (lower part): (8) – (+); Kláštorná hora: (12) – 27 ind.; Jarabinský prielom: (60) – 2 ind.

***Metabelba propexa (Kulczynski, 1902)***

Kláštorná hora: (13) – (+); Poľana – Holica: (18) – 2 ind.; (22) – 2 ind.; (23) – 1 ind.; Haligovské skaly – Plašná: (36) – 2 ind.; (37) – (+); Šafranovka – Lužná skala: (47) – (+); (50) – 6 ind.; Stráňany: (58) – 6 ind.

Except of classical form also several individuals with smaller and more gracile body were found. Study of the species variability would be necessary to decide if this could be different species.

***Metabelba pulverosa Strenzke, 1953***

Dunajec gorge (upper part): (1) – 3 ind.; Poľana – Holica: (19) – 1 ind.; Haligovské skaly – Plašná: (36) – 1 ind.; (37) – (+); Lesnica – valley of Lesnický potok: (43) – 1 ind.; Šafranovka – Lužná skala: (50) – 4 ind.; Rabštín – Vysoké skalky: (54) – 1 ind.; Jarabinský prielom: (61) – 1 ind.; (64) – 15 ind.

***Metabelba sp. 1***

Dunajec gorge (lower part): (8) – (+); Kláštorná hora: (13) – (+); Poľana – Holica: (23) – 1 ind.; Šafranovka – Lužná skala: (46) – (+).

Species with very gracile body and very thin and long podolateral apophyses. Most probably new, undescribed species.

***Porobelba spinosa (Sellnick, 1920)***

Dunajec gorge (upper part): (1) – 1 ind.; Kláštorná hora: (14) – (+); Biela Skala: (32) – (+); Haligovské skaly – Plašná: (37) – (+); Šafranovka – Lužná skala: (50) – (+).

***Porobelba weigmanni Miko, 2008***

Kláštorná hora: (12) – 1 ind.; (15) – 1 ind.

New species, significantly differing from *P. spinosa*, described from Pieniny (locus typicus).

**Cepheidae**

***Cepheus cepheiformis (Nicolet, 1855)***

Gorge of Lesnický potok: (11) – (+); Kláštorná hora: (13) – (+); Poľana – Holica: (23) – 1 ind.

***Cepheus dentatus (Michael, 1888)***

Poľana – Holica: (23) – 1 ind.; Biela Skala: (29) – 1 ind.; Stráňany: (59) – 1 ind.

***Tritegeus bisulcatus Grandjean, 1953***

Dunajec gorge (upper part): (1) – 1 ind.; Poľana – Holica: (19) – 9 ind.; (23) – 1 ind.; Haligovské skaly – Plašná: (36) – 4 ind.; Stráňany: (59) – 5 ind.; (59) – 3 ind.

***Conoppia palmicincta (Michael, 1880)***

Dunajec gorge (lower part): (6) – (+).

**Damaeolidae**

***Fosseremus laciniatus (Berlese, 1905)***

Gorge of Lesnický potok: (11) – (+).

**Hungarobelbidae**

***Hungarobelba visnyai (Balogh, 1938)***

Kláštorná hora: (16) – (+); Šafranovka – Lužná skala: (50) – 15 ind.; Stráňany: (59) – 2 ind.

Recorded as second finding in Slovakia.

**Ctenobelbidae**

***Ctenobelba pectinigera (Berlese, 1908)***

Jarabinský prielom: (62) – 1 ind.

**Eremaeidae**

***Eremaeus hepaticus C. L. Koch, 1835***

Dunajec gorge (lower part): (5) – (+); (7) – (+); Gorge of Lesnický potok: (11) – (+); Kláštorná hora: (15) – 1 ind.; Poľana – Holica: (19) – 1 ind.; (22) – 5 ind.; Haligovské skaly – Plašná: (33) – 1 ind.; (37) – (+); Šafranovka – Lužná skala: (47) – (+); (48) – (+); (50) – 2 ind.; Rabštín – Vysoké skalky: (53) – 6 ind.; Stráňany: (57) – 6 ind.; (58) – 3 ind.

***Eueremaus oblongus (C. L. Koch, 1835)***

***Eueremaus silvestris (Forsslund, 1956)***

The two species are very close to each other, and in our material several transitional forms were found. Possible synonymy needs to be evaluated by study of variability of characters. For the purposes of this work, they were counted together.

Dunajec gorge (upper part): (2) – 4 ind.; Dunajec gorge (lower part): (6) – (+); (9) – (+); Gorge of Lesnický potok: (11) – (+); Kláštorná hora: (14) – 3 ind.; Poľana – Holica: (18) – 3 ind.; Biela Skala: (31) – 4 ind.; (32) – (+); Haligovské skaly – Plašná: (34) – 7 ind.; (37) – (+); Šafranovka – Lužná skala: (48) – (+); (50) – 13 ind.; Rabštín – Vysoké skalky: (55) – 2 ind.; (51) – 1 ind.; Stráňany: (58) – 4 ind. (59) – 3 ind.; Jarabinský prielom: (61) – 8 ind.

***Tricheremaus travei Miko, 1993***

Kláštorná hora: (14) – 8 ind. (locus typicus); Stráňany: (58) – 3 ind.

Species described from this territory and from Slanské vrchy.

**Zetorchestidae**

***Microzetorchestes emeryi (Coggi, 1898)***

Šafranovka – Lužná skala: (50) – 1 ind.



## Caleremaeidae

### *Caleremaeus monilipes* (Michael, 1882)

Kláštorná hora: (13) – (+).

## Gustaviidae

### *Gustavia fusifer* (C. L. Koch, 1841)

Dunajec gorge (upper part): (1) – 1 ind.; Dunajec gorge (lower part): (8) – (+); Gorge of Lesnický potok: (11) – (+); Kláštorná hora: (13) – (+); Poľana – Holica: (23) – 2 ind.; Haligovské skaly – Plašná: (37) – (+); Lesnica – valley of Lesnický potok: (39) – 1 ind.; Šafranovka – Lužná skala: (46) – (+); (47) – (+); (49) – 1 ind.; (50) – 11 ind.; Rabštin – Vysoké skalky: (53) – 1 ind.; (54) – 1 ind.; (56) – 1 ind.; Jarabinský prielom: (61) – 2 ind.

## Astegistidae

### *Cultroribula bicultrata* (Berlese, 1905)

Gorge of Lesnický potok: (10) – (+); Stráňany: (58) – 1 ind.

### *Cultroribula confinis* Berlese, 1908

Lesnica – valley of Lesnický potok: (40) – (+).  
First record for Slovak fauna.

## Liacaridae

### *Adoristes ovatus* (C. L. Koch, 1839)

Dunajec gorge (upper part): (1) – 1 ind.; Dunajec gorge (lower part): (7) – (+); Kláštorná hora: (13) – (+); (17) – 1 ind.; Poľana – Holica: (19) – 7 ind.; (23) – 1 ind.; Biela Skala: (29) – 1 ind.; (30) – 9 ind.; (31) – (+); (32) – (+); Haligovské skaly – Plašná: (33) – 2 ind.; Lesnica – Lesnický potok valley: (39) – 1 ind.; Rabštin – Vysoké skalky: (52) – 11 ind.; (54) – 1 ind.; Rabštin – Vysoké skalky: (55) – 1 ind.; Stráňany: (59) – 1 ind.

### *Liacarus coracinus* (C. L. Koch, 1841)

Dunajec gorge (lower part): (5) – (+); (6) – (+); (7) – (+); Kláštorná hora: (13) – (+); (15) – 1 ind.; Poľana – Holica: (19) – 1 ind.; Biela Skala: (32) – (+); Šafranovka – Lužná skala: (47) – (+); (49) – 2 ind.; (50) – 1 ind.; Rabštin – Vysoké skalky: (51) – 19 ind.; (54) – 1 ind.; (56) – 1 ind.; Jarabinský prielom: (62) – 3 ind.

### *Xenillus discrepans* Grandjean, 1936

Dunajec gorge (lower part): (5) – (+); Poľana – Holica: (22) – (+).

### *Xenillus tegeocranus* (Hermann, 1804)

Dunajec gorge (upper part): (1) – 2 ind.; Dunajec gorge (lower part): (7) – (+); Gorge of Lesnický potok: (11) – (+); Kláštorná hora: (13) – (+); (12) – 11 ind.; (15) – 1 ind.; (17) – 2 ind.; Haligovské skaly – Plašná: (37) – (+); Šafranovka – Lužná skala: (49) – 3 ind.; Rabštin – Vysoké skalky: (55) – 4 ind.; Stráňany: (57) – 1 ind.; (59) – 2 ind.; Jarabinský prielom: (64) – 1 ind.

## Peloppiidae

### *Ceratoppia bipilis* (Hermann, 1804)

Dunajec gorge (upper part): (1) – 1 ind.; (2) – 2 ind.; Dunajec gorge (lower part): (5) – (+); Poľana – Holica: (19) – 1 ind.; Lesnica – valley of Lesnický potok: (43) – 2 ind.; Šafranovka – Lužná skala: (47) – (+); (49) – 3 ind.; (50) – 1 ind.; Rabštin – Vysoké skalky: (52) – 2 ind.; (55) – 3 ind.; Stráňany: (57) – 3 ind.; (58) – 1 ind.; Jarabinský prielom: (63) – 3 ind.

### *Ceratoppia quadridentata* (Haller, 1882)

Poľana – Holica: (22) – (+); Gorge of Lesnický potok: (10) – (+); Kláštorná hora: (13) – (+); (15) – 1 ind.; (16) – (+); (17) – 1 ind.; Lesnica – valley of Lesnický potok: (43) – 4 ind.; Šafranovka – Lužná skala: (49) – 1 ind.; (50) – 2 ind.; Rabštin – Vysoké skalky: (52) – 2 ind.; (54) – 1 ind.; (55) –

1 ind.; Stráňany: (57) – 4 ind.; Jarabinský prielom: (62) – 3 ind.; (63) – 1 ind.

### *Ceratoppia sexpilosa* Willmann, 1938

Rabštin – Vysoké skalky: (55) – 2 ind.

## Carabodidae

### *Carabodes areolatus* Berlese, 1916

Kláštorná hora: (13) – (+).

### *Carabodes coriaceus* C. L. Koch, 1835

Kláštorná hora: (13) – (+); Poľana – Holica: (19) – 3 ind.; (20) – (+); Stráňany: (57) – 5 ind.; (58) – 3 ind.; (59) – 2 ind.

### *Carabodes femoralis* (Nicolet, 1855)

Kláštorná hora: (13) – (+); Šafranovka – Lužná skala: (49) – 7 ind.; Jarabinský prielom: (62) – 1 ind.; (63) – 10 ind.

### *Carabodes labyrinthicus* (Michael, 1879)

Kláštorná hora: (13) – (+); Poľana – Holica: (18) – 5 ind.; (20) – (+); (21) – 2 ind.; Biela Skala: (28) – (+); Haligovské skaly – Plašná: (34) – 2 ind.; (37) – (+); Lesnica – Lesnický potok valley: (40) – (+); Šafranovka – Lužná skala: (50) – 7 ind.; Stráňany: (58) – 1 ind.; (59) – 1 ind.

### *Carabodes marginatus* (Michael, 1884)

Poľana – Holica: (21) – (+); Rabštin – Vysoké Skalky: (51) – 2 ind.; Stráňany: (58) – 14 ind.; Jarabinský prielom: (61) – 1 ind.

### *Carabodes ornatus* Storkan, 1925

Lesnický potok gorge: (10) – (+); Kláštorná hora: (12) – 5 ind.; Šafranovka – Lužná skala: (50) – 62 ind.; Stráňany: (58) – 3 ind.

### *Carabodes reticulatus* Berlese, 1913

Biela Skala: (31) – (+).

### *Carabodes rugosior* Berlese, 1916

Biela Skala: (28) – (+).

### *Carabodes willmanni* Bernini, 1975

Dunajec gorge (upper part): (2) – 1 ind.; Dunajec gorge (lower part): (9) – (+); Haligovské skaly – Plašná: (34) – 1 ind.

### *Carabodes* sp.

Dunajec gorge (lower part): (6) – (+).

## Otocepheidae

### *Dolicheremaeus* sp.

Poľana – Holica: (21) – (+).

## Tectocepheidae

### *Tectocepheus minor* Berlese, 1903

Kláštorná hora: (12) – 1 ind.; (13) – (+).

### *Tectocepheus velatus sarekensis* Trägårdh, 1910

Lesnický potok gorge: (11) – (+); Poľana – Holica: (21) – (+); Haligovské skaly – Plašná: (37) – (+); Lesnica – Lesnický potok valley: (42) – 13 ind.; (44) – 7 ind.; Rabštin – Vysoké Skalky: (51) – 3 ind.; (56) – 2 ind.

### *Tectocepheus velatus velatus* (Michael, 1880)

Dunajec gorge (upper part): (1) – 23 ind.; (2) – 5 ind.; (4) – 1 ind.; Kláštorná hora: (13) – (+); (14) – (+); (15) – 1 ind.; Poľana – Holica: (19) – 13 ind.; Biela Skala: (26) – 2 ind.; (28) – (+); (31) – (+); Haligovské skaly – Plašná: (33) – 3 ind.; (34) – 7 ind.; (35) – 3 ind.; Lesnica – Lesnický potok valley: (41) – 5 ind.; (42) – 24 ind.; Šafranovka – Lužná skala: (50) – 80 ind.; Stráňany: (58) – 14 ind.; (59) – 6 ind.; Jarabinský prielom: (60) – 22 ind.; (61) – 14 ind.

## Quadropiidae

### *Quadropia maritalis* Lions, 1982

Lesnica – Lesnický potok valley: (44) – 4 ind.; Stráňany: (57) – 1 ind.

### *Quadropia monstrosa* Hammer, 1979

Dunajec gorge (upper part): (2) – 43 ind.; Gorge of Lesnický potok (10) – 3 ind.; (11) – (+); Kláštorňá hora: (12) – 16 ind.; (13) – (+); Poľana – Holica: (19) – 7 ind.; Biela Skala: (32) – (+); Haligovské skaly – Plašná: (33) – 1 ind.; Šafranovka – Lužná skala: (50) – (64); Rabštin – Vysoké Skalky: (54) – 1 ind.

### *Quadropia quadricarinata* (Michael, 1885)

Dunajec gorge (upper part): (1) – 1 ind.; (2) – 20 ind.; Dunajec gorge (lower part): (6) – (+); Kláštorňá hora: (12) – 16 ind.; (17) – (1 aberrant individual labelled var. A); Poľana – Holica: (20) – (+); Biela Skala: (28) – (+); (30) – 4 ind.; Haligovské skaly – Plašná: (36) – 1 ind.; Lesnica – Lesnický potok valley: (45) – 3 ind.; Šafranovka – Lužná skala: (50) – 39 ind.; Stráňany: (58) – 14 ind.; (59) – 2 ind.; Jarabinský prielom: (60) – 2 ind.; (61) – 1 ind.

## Machuellidae

### *Machuella cf. draconis* Hammer, 1961

Poľana – Holica: (21) – (+); Šafranovka – Lužná skala: (50) – 2 ind.

## Oppiidae

### *Dissorhina ornata* (Oudemans, 1900)

Dunajec gorge (upper part): (2) – 133 ind.; Dunajec gorge (lower part): (6) – (+); (8) – (+); (9) – (+); Gorge of Lesnický potok (10) – 2 ind.; (11) – (+); Kláštorňá hora: (13) – (+); (15) – 2 ind.; Biela Skala: (28) – (+); Haligovské skaly – Plašná: (33) – 2 ind.; (34) – 1 ind.; Šafranovka – Lužná skala: (48) – (+); Stráňany: (58) – 9 ind.; (59) – 10 ind.; Jarabinský prielom: (60) – 17 ind.; (61) – 2 ind.; (63) – 1 ind.

### *Dissorhina tricarinatoides* (Dubinina, 1966)

Biela Skala: (30) – 11 ind.; Šafranovka – Lužná skala: (50) – 49 ind.

### *Berniniella bicarinata* (Paoli, 1908)

Gorge of Lesnický potok (10) – (+); Kláštorňá hora: (12) – 33 ind.; Biela Skala: (28) – 7 ind.; (30) – (38); Šafranovka – Lužná skala: (47) – (+); Rabštin – Vysoké Skalky: (54) – 1 ind. corresponding to *B. latidens* Subias, Rodriguez et Minguez, 1987, considered as variety of *B. bicarinata*; Stráňany: (57) – 2 ind.

### *Berniniella hauseri* (Mahunka, 1974)

Šafranovka – Lužná skala: (47) – (+).

### *Berniniella sigma* (Strenzke, 1951)

Poľana – Holica: (20) – (+); Rabštin – Vysoké Skalky: (54) – 1 ind.

### *Micropia minus* (Paoli, 1908)

Šafranovka – Kláštorňá hora: (17) – 1 ind.; Biela Skala: (30) – 4 ind.; Lužná skala: (50) – 53 ind.

### *Oppiella* (s. str.) *acuminata* (Strenzke, 1951)

Biela Skala: (28) – (+).

### *Oppiella* (s. str.) *falcata* (Paoli, 1908)

Biela Skala: (25) – 3 ind.; Haligovské skaly – Plašná: (33) – 6 ind.; Lesnica – Lesnický potok valley: (45) – 1 ind.; Stráňany: (59) – 2 ind.

### *Oppiella* (s. str.) *marginedentata* (Strenzke, 1951)

Kláštorňá hora: (12) – 82 ind.; Poľana – Holica: (20) – (+); Biela Skala: (28) – (+); (30) – 19 ind.; (32) – (+); Lesnica – Lesnický potok valley: (41) – 1 ind.; Šafranovka – Lužná

skala: (47) – (+); (50) – 240 ind.; Rabštin – Vysoké Skalky: (54) – 2 ind.; Stráňany: (58) – 2 ind.

### *Oppiella* (s. str.) *maritima* (Willmann, 1929)

Gorge of Lesnický potok (10) – (+); Kláštorňá hora: (13) – (+).

### *Oppiella* (s. str.) *nova* (Oudemans, 1902)

Dunajec gorge (upper part): (1) – 14 ind.; Dunajec gorge (lower part): (7) – (+); Kláštorňá hora: (12) – 16 ind.; Biela Skala: (25) – 5 ind.; (32) – (+); Haligovské skaly – Plašná: (35) – 2 ind.; Lesnica – Lesnický potok valley: (39) – 2 ind.; (44) – 3 ind.; Šafranovka – Lužná skala: (47) – (+); (50) – 231 ind.; Rabštin – Vysoké Skalky: (54) – 2 ind.; Stráňany: (58) – 4 ind.; (59) – 1 ind.; Jarabinský prielom: (61) – 2 ind.

### *Oppiella* (Moritzoppia) *keilbachi* (Moritz, 1969)

Dunajec gorge-lower part (5) – (+); (7) – (+); Biela Skala: (28) – (+); Poľana – Holica: (22) – (+); Biela Skala: (32) – (+); Haligovské skaly – Plašná: (37) – (+).

### *Oppiella* (Moritzoppia) *unicarinata* (Paoli, 1908)

Poľana – Holica: (21) – (+); (24) – 1 ind.; Lesnica – Lesnický potok valley: (43) – 1 ind.; (44) – 1 ind.; Jarabinský prielom: (62) – 1 ind.

### *Oppiella* (Rhinoppia) *fallax* (Paoli, 1908)

Dunajec gorge (upper part): (2) – 8 ind.; Poľana – Holica: (20) – (+); (24) – 1 ind.

### *Oppiella* (Rhinoppia) *loksai* (Schalk, 1966)

Biela Skala: (25) – 3 ind.; (26) – 12 ind.; Haligovské skaly – Plašná: (35) – 1 ind.; Šafranovka – Lužná skala: (50) – 17 ind.

### *Oppiella* (Rhinoppia) *obsoleta* (Paoli, 1908)

Gorge of Lesnický potok (10) – (+); (11) – (+); Kláštorňá hora: (12) – 1 ind.; Lesnica – Lesnický potok valley: (41) – 1 ind.; Šafranovka – Lužná skala: (50) – 96 ind.

### *Oppiella* (Rhinoppia) *similifallax* (Subias et Minguez, 1986)

Šafranovka – Lužná skala: (50) – 1 ind.

### *Oppiella* (Rhinoppia) *subpectinata* (Oudemans, 1900)

Dunajec gorge (upper part): (2) – 5 ind.; Dunajec gorge (lower part): (8) – (+); Gorge of Lesnický potok (10) – 3 ind.; (11) – 2 ind.; Kláštorňá hora: (12) – 24 ind.; (16) – (+); (13) – (+); Poľana – Holica: (19) – 15 ind.; (20) – (+); Biela Skala: (25) – 2 ind.; (26) – 2 ind.; (32) – (+); Haligovské skaly – Plašná: (33) – 1 ind.; (38) – 1 ind.; Šafranovka – Lužná skala: (47) – (+); (50) – 216 ind.; Rabštin – Vysoké Skalky: (54) – 1 ind.; Stráňany: (58) – 4 ind.; (59) – 39 ind.; Jarabinský prielom: (60) – 3 ind.; (62) – 1 ind.

### *Ramusella furcata* (Willmann, 1928)

Lesnica – Lesnický potok valley: (39) – 3 ind.; (44) – 4 ind.; Haligovské skaly – Plašná: (35) – 1 ind.

### *Ramusella insculpta* (Paoli, 1908)

Stráňany: (57) – 1 ind.

### *Multioppia glabra* (Mihelcic, 1955)

Kláštorňá hora: (12) – 1 ind.; (13) – (+); Poľana – Holica: (20) – (+); (24) – 1 ind.; Biela Skala: (32) – (+); Haligovské skaly – Plašná: (37) – (+); Šafranovka – Lužná skala: (47) – (+); Stráňany: (57) – 1 ind.

## Suctobelbidae

### *Allosuctobelba grandis* (Paoli, 1908)

Gorge of Lesnický potok (10) – (+); Biela Skala: (26) – 1 ind.; (28) – (+).

### *Suctobelbata prelli* (Markel et Meyer, 1958)

Kláštorňá hora: (13) – (+).



***Suctobelba altvateri* Moritz, 1970**

Dunajec gorge (upper part): (2) – 5 ind.; Gorge of Lesnický potok: (11) – (+); Klášťorná hora: (16) – (+); Biela Skala: (25) – 3 ind.; Šafranovka – Lužná skala: (50) – 16 ind.

***Suctobelba atomaria* Moritz, 1970**

Klášťorná hora: (13) – (+).

***Suctobelba regia* Moritz, 1970**

Gorge of Lesnický potok: (11) – (+); Klášťorná hora: (14) – (+); Biela Skala: (30) – 4 ind.

***Suctobelba trigona* (Michael, 1888)**

Gorge of Lesnický potok: (11) – (+); Klášťorná hora: (12) – 16 ind.; Poľana – Holica: (19) – 19 ind.; Biela Skala: (25) – 6 ind.; Lesnica – Lesnický potok valley: (44) – 1 ind.

***Suctobelbella acutidens* (Forsslund, 1941)**

Dunajec gorge (upper part): (1) – 7 ind.; (2) – 16 ind.; Gorge of Lesnický potok (10) – 2 ind.; Poľana – Holica: (19) – 7 ind.; Biela Skala: (25) – 6 ind.; Biela Skala: (26) – 58 ind.; Lesnica – Lesnický potok valley: (44) – 6 ind.; Šafranovka – Lužná skala: (50) – 60 ind.; (47) – (+).

***Suctobelbella arcana* Moritz, 1970**

Dunajec gorge (upper part): (1) – 1 ind.; (2) – 3 ind.; Biela Skala: (25) – 1 ind.; Klášťorná hora: (12) – 16 ind.; Jarabinský prielom: (60) – 1 ind.

***Suctobelbella cf. carcharodon* (Moritz, 1966)**

Rabštin – Vysoké Skalky: (56) – 1 ind.; Stráňany: (58) – 8 ind.

***Suctobelbella forsslundi* (Strenzke, 1950)**

Gorge of Lesnický potok (10) – (+); Poľana – Holica: (19) – 7 ind.

***Suctobelbella nasalis* (Forsslund, 1941)**

Dunajec gorge (upper part): (1) – 11 ind.; (2) – 6 ind.; Klášťorná hora: (12) – 8 ind.; Lesnica – Lesnický potok valley: (44) – 1 ind.; Šafranovka – Lužná skala: (50) – 13 ind.

***Suctobelbella perforata* (Strenzke, 1950)**

Dunajec gorge (upper part): (1) – 1 ind.; Lesnica – Lesnický potok valley: (44) – 1 ind.

***Suctobelbella sarekensis* (Forsslund, 1941)**

Šafranovka – Lužná skala: (46) – (+).

***Suctobelbella subcornigera* (Forsslund, 1941)**

Gorge of Lesnický potok (10) – (+); (11) – (+); Poľana – Holica: (19) – 4 ind.; Klášťorná hora: (13) – (+); Biela Skala: (32) – (+); Šafranovka – Lužná skala: (47) – (+).

***Suctobelbella subtrigona* (Oudemans, 1916)**

Haligovské skaly – Plašná: (33) – 1 ind.; Lesnica – Lesnický potok valley: (44) – 1 ind.

***Suctobelbella* sp.**

Biela Skala: (26) – 13 ind.

**Autognetidae*****Autogmeta longilamellata* (Michael, 1885)**

Poľana – Holica: (21) – (+).

***Conchogneta dalecarlica* (Forsslund, 1947)**

Dunajec gorge (upper part): (3) – 1 ind.; Klášťorná hora: (12) – 5 ind.; (13) – (+); (16) – (+); Poľana – Holica: (19) – 7 ind.; (20) – (+); Biela Skala: (25) – 5 ind.; (30) – 7 ind.; Haligovské skaly – Plašná: (33) – 1 ind.; (37) – (+); Šafranovka – Lužná skala: (47) – (+); (50) – 30 ind.

***Rhaphigneta numidiana* Grandjean, 1960**

Klášťorná hora: (13) – (+).

First record from Slovakia.

**Thyrisomidae*****Banksinoma lanceolata* (Michael, 1885)**

Dunajec gorge (upper part): (2) – 3 ind.

***Oribella pectinata* (Michael, 1885)**

Stráňany: (57) – 4 ind.

***Pantelozetes paolii* (Oudemans, 1913)**

Klášťorná hora: (16) – (+); Biela Skala: (26) – 2 ind.

**Cyberemaeidae*****Cyberemaeus cymba* (Nicolet, 1855)**

Gorge of Lesnický potok: (11) – (+); Poľana – Holica: (21) – (+); Biela Skala: (32) – (+).

***Micreremus brevipes* (Michael, 1888)**

Poľana – Holica: (18) – 1 ind.

**Scutoverticidae*****Scutovertex minutus* (C. L. Koch, 1835)**

Lesnica – Lesnický potok valley: (44) – 2 ind.

**Phenopelopidae*****Eupelops acromios* (Hermann, 1804)**

Biela Skala: (32) – (+); Lesnica – Lesnický potok valley: (45) – 1 ind.

***Eupelops hirtus* (Berlese, 1916)**

Klášťorná hora: (15) – 1 ind.

Second record for Slovakia.

***Eupelops occultus* (C. L. Koch, 1835)**

Biela Skala: (30) – 1 ind.; Haligovské skaly – Plašná: (35) – 3 ind.; Lesnica – Lesnický potok valley: (39) – 14 ind.; (42) – 7 ind.; (43) – 1 ind.; (44) – 1 ind.; Rabštin – Vysoké Skalky: (56) – 2 ind.; Stráňany: (58) – 1 ind.; Jarabinský prielom: (62) – 1 ind.

***Eupelops plicatus* (C. L. Koch, 1835)**

Gorge of Lesnický potok (10) – (+); (11) – (+); Klášťorná hora: (14) – (+); (15) – 8 ind.; Poľana – Holica: (21) – (+).

***Eupelops subuliger* (Berlese, 1916)**

Jarabinský prielom: (63) – 1 ind.

***Eupelops tardus* (C. L. Koch, 1835)**

Lesnica – Lesnický potok valley: (42) – 15 ind.

Second finding in Slovakia.

***Eupelops torulosus* (C. L. Koch, 1839)**

Dunajec gorge (lower part): (7) – (+); Klášťorná hora: (13) – (+); Lesnica – Lesnický potok valley: (45) – 1 ind.; Stráňany: (57) – 4 ind.; (58) – 1 ind.; Jarabinský prielom: (62) – 1 ind.

***Peloptulus phaenotus* (C. L. Koch, 1844)**

Dunajec gorge (lower part): (7) – (+); Lesnica – Lesnický potok valley: (42) – 1 ind.; (44) – 2 ind.

**Achipteriidae*****Achipteria coleoptrata* (Linné, 1758)**

Dunajec gorge (upper part): (1) – 2 ind.; Klášťorná hora: (12) – 14 ind.; (13) – (+); Poľana – Holica: (19) – 8 ind.; (21) – 2 ind.; (23) – 1 ind.; Biela Skala: (26) – 2 ind.; Haligovské skaly – Plašná: (33) – 16 ind.; (35) – 9 ind.; (37) – (+); Lesnica – Lesnický potok valley: (39) – 18 ind.; (42) – 61 ind.; (44) – 2 ind.; Šafranovka – Lužná skala: (46) – (+); (47) – (+); (50) – 31 ind.; Rabštin – Vysoké Skalky: (53) – 2 ind.; Stráňany: (57) – 2 ind.; (58) – 2 ind.; Jarabinský prielom: (62) – 8 ind.

***Achipteria nitens* (Nicolet, 1855)**

Dunajec gorge (upper part): (2) – 2 ind.; Klášťorná hora: (14) – (+); Haligovské skaly – Plašná: (36) – 6 ind.; Rabštin

– Vysoké Skalky: (51) – 16 ind.; Jarabinský prielom: (60) – 64 ind.

#### ***Anachipteria deficiens* Grandjean, 1932**

Dunajec gorge (upper part): (3) – 1 ind.; Poľana – Holica: (19) – 5 ind., Haligovské skaly – Plašná: (37) – (+); Stráňany: (58) – 3 ind.; Jarabinský prielom: (62) – 4 ind.

#### ***Parachipteria punctata* (Nicolet 1855)**

Dunajec gorge (upper part): (2) – 1 ind.; Dunajec gorge (lower part): (8) – (+); Kláštorná hora: (15) – 19 ind.; Biela Skala: (31) – (+); Lesnica – Lesnický potok valley: (44) – 1 ind.; Šafranovka – Lužná skala: (49) – 28 ind.; Jarabinský prielom: (60) – 2 ind.; (61) – 3 ind.; (63) – 34 ind.; (64) – 1 ind.

#### ***Parachipteria willmanni* van der Hammen, 1952**

Biela Skala: (28) – (+).

### **Tegoribatidae**

#### ***Lepidozetes singularis* Berlese, 1910**

Dunajec gorge (upper part): (1) – 1 ind.; Dunajec gorge (lower part): (6) – (+); (9) – (+); Gorge of Lesnický potok (10) – 2 ind.; Haligovské skaly – Plašná: (38) – 1 ind.; Lesnica – Lesnický potok valley: (43) – 1 ind.; Šafranovka – Lužná skala: (50) – 56 ind.; Stráňany: (58) – 1 ind.

#### ***Tegoribates latirostris* (C. L. Koch, 1844)**

Lesnica – Lesnický potok valley: (42) – 24 ind.; (44) – 2 ind. Second time recorded from Slovakia.

### **Oribatellidae**

#### ***Oribatella berleseii* Michael, 1898**

Gorge of Lesnický potok (10) – (+); Kláštorná hora: (12) – 13 ind.; (13) – (+); Stráňany: (57) – 2 ind.

#### ***Oribatella cf. brevipila* Bernini, 1977**

Šafranovka – Lužná skala: (50) – 1 ind.

This species was probably often recorded as *O. berleseii*. First record for Slovakia.

#### ***Oribatella calcarata* (C. L. Koch, 1835)**

Dunajec gorge (upper part): (2) – 1 ind.; Dunajec gorge (lower part): (5) – (+); Kláštorná hora: (15) – 1 ind.; (17) – 1 ind.; Poľana – Holica: (19) – 5 ind.; (21) – 2 ind.; (24) – 1 ind.; Biela Skala: (30) – 1 ind.; Haligovské skaly – Plašná: (33) – 1 ind.; Šafranovka – Lužná skala: (50) – 2 ind.; Rabštín – Vysoké Skalky: (54) – 5 ind.; Stráňany: (57) – 2 ind.; (58) – 6 ind.

#### ***Oribatella dudichi* Willmann, 1938**

Dunajec gorge (lower part): (8) – (+); Haligovské skaly – Plašná: (33) – 1 ind.; Stráňany: (58) – 1 ind.

#### ***Oribatella ornata* (Coggi, 1900)**

Poľana – Holica: (19) – 1 ind.; Haligovské skaly – Plašná: (33) – 1 ind.; Stráňany: (57) – 1 ind.

#### ***Oribatella quadricornuta* Michael, 1880**

Kláštorná hora: (13) – (+); Biela Skala: (32) – (+); Lesnica – Lesnický potok valley: (40) – (+); Šafranovka – Lužná skala: (50) – 2 ind.; Jarabinský prielom: (62) – 1 ind.

#### ***Oribatella* sp.**

Dunajec gorge (upper part): (2) – 17 ind.; Dunajec gorge (lower part): (7) – (+); Kláštorná hora: (13) – (+); Lesnica – Lesnický potok valley: (44) – 1 ind.; Šafranovka – Lužná skala: (50) – 17 ind.; Stráňany: (58) – 4 ind.; Jarabinský prielom: (60) – 3 ind.

### **Galumnidae**

#### ***Acrogalumna longipluma* (Berlese, 1904)**

Dunajec gorge (lower part): (8) – (+); Poľana – Holica: (19) – 1 ind.; (22) – (+); (24) – 1 ind.; Lesnica – Lesnický

potok valley: (44) – 1 ind.; Rabštín – Vysoké Skalky: (53) – 2 ind.; (54) – 1 ind.; (55) – 1 ind.; (56) – 1 ind.; Šafranovka – Lužná skala: (50) – 2 ind.; Stráňany: (59) – 10 ind.; Jarabinský prielom: (62) – 1 ind.

#### ***Galumna cf. alata* (Hermann, 1804)**

Šafranovka – Lužná skala: (50) – 2 ind.; Jarabinský prielom: (62) – 1 ind.

#### ***Galumna elimata* (C. L. Koch, 1841)**

Haligovské skaly – Plašná: (36) – 1 ind.; Rabštín – Vysoké Skalky: (56) – 22 ind.

#### ***Galumna lanceata* (Oudemans, 1900)**

Gorge of Lesnický potok (10) – (+); Kláštorná hora: (12) – 1 ind.; (17) – 1 ind.; Poľana – Holica: (24) – 1 ind.; Lesnica – Lesnický potok valley: (44) – 2 ind.; Stráňany: (58) – 3 ind.

#### ***Galumna tarsipennata* Oudemans, 1914**

Dunajec gorge (lower part): (5) – (+); Biela Skala: (32) – (+).

#### ***Pergalumna altera* (Oudemans, 1915)**

Jarabinský prielom: (62) – 1 ind.

#### ***Pergalumna nervosa* (Berlese, 1914)**

Dunajec gorge (upper part): (2) – 1 ind.; Jarabinský prielom: (60) – 3 ind.; (61) – 2 ind.

### **Ceratozetidae**

#### ***Ceratozetes gracilis* (Michael, 1884)**

Dunajec gorge (upper part): (2) – 12 ind.; Biela Skala: (26) – 1 ind.; Haligovské skaly – Plašná: (38) – 1 ind.; Šafranovka – Lužná skala: (47) – (+); (50) – 6 ind.; Stráňany: (59) – 18 ind.

#### ***Ceratozetes mediocris* Berlese, 1908**

Lesnica – Lesnický potok valley: (42) – 23 ind.

#### ***Ceratozetes cf. peritus* Grandjean, 1951**

Lesnica – Lesnický potok valley: (39) – 3 ind.; (42) – 11 ind.; Rabštín – Vysoké Skalky: (54) – 1 ind.; Stráňany: (57) – 9 ind.; Jarabinský prielom: (62) – 8 ind.

#### ***Ceratozetella minima* Sellnick, 1928**

Dunajec gorge (upper part): (4) – 1 ind.; Šafranovka – Lužná skala: (50) – 18 ind.; Stráňany: (58) – 3 ind.

#### ***Diapterobates humeralis* (Hermann, 1804)**

Dunajec gorge (lower part): (5) – (+); (7) – (+); Gorge of Lesnický potok: (11) – (+); Biela Skala: (32) – (+); Šafranovka – Lužná skala: (50) – 1 ind.; Rabštín – Vysoké Skalky: (52) – 1 ind.; (53) – 3 ind.; (54) – 4 ind.; (55) – 1 ind.; Stráňany: (57) – 1 ind.; Jarabinský prielom: (62) – 2 ind.

#### ***Trichoribates novus* (Sellnick, 1928)**

Lesnica – Lesnický potok valley: (39) – 1 ind.

#### ***Trichoribates rotundatus* Willmann, 1939**

Jarabinský prielom: (61) – 1 ind.

#### ***Trichoribates trimaculatus* (C. L. Koch, 1835)**

Rabštín – Vysoké Skalky: (56) – 2 ind.; Stráňany: (58) – 1 ind.; Jarabinský prielom: (60) – 1 ind.; (61) – 2 ind.; (62) – 1 ind.; (63) – 1 ind.

#### ***Edwardzetes edwardsi* (Nicolet, 1855)**

Poľana – Holica: (18) – 2 ind.; Biela Skala: (28) – (+).

#### ***Fuscozetes fuscipes* (C. L. Koch, 1844)**

Kláštorná hora: (13) – (+); Biela Skala: (28) – (+); (31) – (+); Haligovské skaly – Plašná: (37) – (+); Šafranovka – Lužná skala: (50) – 1 ind.

#### ***Fuscozetes setosus* (C. L. Koch, 1839)**

Kláštorná hora: (14) – (+); Biela Skala: (30) – 11 ind.; Poľana – Holica: (18) – 2 ind.; (19) – 1 ind.; Haligovské skaly – Plašná: (33) – 3 ind.; Šafranovka – Lužná skala: (49) – 2 ind.; Jarabinský prielom: (63) – 3 ind.; (64) – 1 ind.

***Melanozetes mollicomus* (C. L. Koch, 1839)**

Kláštorná hora: (13) – (+); Biela Skala: (28) – (+); (29) – 1 ind.; Šafranovka – Lužná skala: (49) – 2 ind.; (50) – 17 ind.; Strážany: (58) – 2 ind.; Jarabinský prielom: (63) – 1 ind.; (64) – 1 ind.

***Sphaerozetes piriformis* (Nicolet, 1855)**

Kláštorná hora: (15) – 1 ind.; Jarabinský prielom: (63) – 1 ind.

**Chamobatidae**

***Chamobates borealis* (Trägårdh, 1902)**

Kláštorná hora: (15) – 20 ind.; (17) – 1 ind.; Poľana – Holica: (21) – (+); Biela Skala: (25) – 13 ind.; (26) – 24 ind.; (27) – 4 ind.; (28) – (+); Haligovské skaly – Plašná: (33) – 10 ind.; (37) – (+); Lesnica – Lesnický potok valley: (43) – 5 ind.; (44) – 165 ind.; Šafranovka – Lužná skala: (47) – (+); (49) – 4 ind.; (50) – 13 ind.; Strážany: (57) – 15 ind.; (58) – 8 ind.; Jarabinský prielom: (63) – 3 ind.; (64) – 1 ind.

***Chamobates cuspidatus* (Michael, 1884)**

Kláštorná hora: (12) – 11 ind.; Poľana – Holica: (19) – 1 ind.; (23) – 7 ind.; (24) – 4 ind.; Rabštin – Vysoké Skalky: (52) – 1 ind.; Strážany: (58) – 15 ind.

***Chamobates dentotutorii* Shaldybina, 1969**

Dunajec gorge (upper part): (2) – 4 ind.; Jarabinský prielom: (61) – 2 ind.

Second time recorded from Slovakia.

***Chamobates pusillus* (Berlese, 1895)**

Dunajec gorge (lower part): (5) – (+); (8) – (+); Biela Skala: (26) – 36 ind.; Poľana – Holica: (23) – 1 ind.; Strážany: (58) – 1 ind.

***Chamobates spinosus* Sellnick, 1928**

Dunajec gorge (lower part): (5) – (+); Kláštorná hora: (12) – 37 ind.; Biela Skala: (30) – 4 ind.; (32) – (+); Lesnica – Lesnický potok valley: (45) – 4 ind.; Šafranovka – Lužná skala: (50) – 6 ind.; Rabštin – Vysoké Skalky: (55) – 1 ind.; Strážany: (58) – 1 ind.; (59) – 2 ind.; Jarabinský prielom: (62) – 1 ind.

***Chamobates subglobulus* (Oudemans, 1900)**

Dunajec gorge (lower part): (5) – (+); Gorge of Lesnický potok (10) – (+).

***Chamobates tricuspidatus* Willmann, 1953**

Poľana – Holica: (19) – 3 ind.; Kláštorná hora: (15) – 4 ind.; (17) – 3 ind.; Poľana – Holica: (20) – (+); Biela Skala: (30) – 19 ind.; Šafranovka – Lužná skala: (49) – 2 ind.; (50) – 29 ind.; Rabštin – Vysoké Skalky: (52) – 1 ind.; (53) – 4 ind.; (54) – 13 ind.; Strážany: (57) – 17 ind.; (58) – 4 ind.; (59) – 13 ind.; Jarabinský prielom: (63) – 5 ind.

***Chamobates voigtsi* (Oudemans, 1902)**

Dunajec gorge (lower part): (6) – (+); Gorge of Lesnický potok (10) – (+); Kláštorná hora: (13) – (+); (15) – 12 ind.; (16) – (+); (17) – 3 ind.; Poľana – Holica: (19) – 18 ind.; (20) – (+); (22) – (+); (23) – 2 ind.; (24) – 1 ind.; Biela Skala: (25) – 20 ind.; (27) – 6 ind.; (28) – (+); (29) – 1 ind.; (30) – 1 ind.; Haligovské skaly – Plašná: (33) – 26 ind.; (37) – (+); Šafranovka – Lužná skala: (50) – 1 ind.; Strážany: (57) – 56 ind.; Jarabinský prielom: (60) – 24 ind.

**Mycobatidae**

***Mycobates tridactylus* Willmann, 1929**

Dunajec gorge (upper part): (2) – 2 ind.

***Minunthozetes pseudofusiger* (Schweizer, 1922)**

Biela Skala: (28) – (+); Lesnica – Lesnický potok valley: (44) – 1 ind.; Jarabinský prielom: (61) – 1 ind.; (63) – 1 ind.

***Minunthozetes semirufus* (C. L. Koch, 1841)**

Šafranovka – Lužná skala: (50) – 5 ind.

***Punctoribates punctum* (C. L. Koch, 1839)**

Poľana – Holica: (19) – 8 ind.; Haligovské skaly – Plašná: (34) – 2 ind.; Lesnica – Lesnický potok valley: (39) – 2 ind.; (41) – 6 ind.; (44) – 2 ind.

**Euzetidae**

***Euzetes globulus* (Nicolet, 1855)**

Dunajec gorge (upper part): (3) – 1 ind.; Kláštorná hora: (13) – (+); Poľana – Holica: (20) – (+); (21) – (+); (24) – 1 ind.; Rabštin – Vysoké Skalky: (53) – 1 ind.; (56) – 4 ind.; Lesnica – Lesnický potok valley: (39) – 3 ind.; (42) – 1 ind.; Jarabinský prielom: (62) – 3 ind.

**Haplozetidae**

***Haplozetes elegans* Kunst, 1977**

Dunajec gorge (lower part): (5) – (+); (7) – (+); Haligovské skaly – Plašná: (35) – 1 ind.; Lesnica – Lesnický potok valley: (39) – 1 ind.; Rabštin – Vysoké Skalky: (51) – 1 ind.; (55) – 4 ind.

***Protoribates lophotrichus* (Berlese, 1904)**

Lesnica – Lesnický potok valley: (42) – 1 ind.

***Protoribates capucinus* Berlese 1908**

Dunajec gorge (lower part): (9) – (+); Haligovské skaly – Plašná: (35) – 2 ind.; Lesnica – Lesnický potok valley: (44) – 2 ind.

**Parakalummidae**

***Neoribates roubali* (Berlese, 1910)**

Poľana – Holica: (20) – (+).

**Scheloribatidae**

***Liebstadia humerata* Sellnick, 1928**

Kláštorná hora: (15) – 2 ind.; Biela Skala: (26) – 1 ind.; Haligovské skaly – Plašná: (34) – 2 ind.; Lesnica – Lesnický potok valley: (42) – 2 ind.; (43) – 1 ind.; Šafranovka – Lužná skala: (50) – 2 ind.; Strážany: (58) – 2 ind.

***Liebstadia pannonica* (Willmann, 1951)**

Dunajec gorge (upper part): (2) – 48 ind.; Dunajec gorge (lower part): (7) – (+); Poľana – Holica: (19) – 1 ind.; (21) – (+); Haligovské skaly – Plašná: (35) – 1 ind.; (37) – (+); (38) – 1 ind.; Lesnica – Lesnický potok valley: (42) – 2 ind.; (43) – 1 ind.; (44) – 5 ind.; Rabštin – Vysoké Skalky: (51) – 5 ind.; Jarabinský prielom: (60) – 1 ind.

***Liebstadia similis* (Michael, 1888)**

Lesnica – Lesnický potok valley: (39) – 42 ind.; (42) – 29 ind.; (43) – 4 ind.; (44) – 2 ind.; (45) – 6 ind.; Rabštin – Vysoké Skalky: (51) – 1 ind.; (53) – 3 ind.; (55) – 3 ind.; (56) – 7 ind.; Strážany: (57) – 1 ind.; (58) – 1 ind.

***Scheloribates* (s. str.) *labyrinthicus* Jeleva, 1962**

Dunajec gorge (upper part): (3) – 1 ind.; Lesnica – Lesnický potok valley: (42) – 6 ind.; (44) – 3 ind.; Šafranovka – Lužná skala: (50) – 1 ind.; Rabštin – Vysoké Skalky: (51) – 2 ind.; Jarabinský prielom: (60) – 7 ind.

***Scheloribates* (s. str.) *laevigatus* (C. L. Koch, 1836)**

Dunajec gorge (lower part): (5) – (+); Kláštorná hora: (13) – (+); Poľana – Holica: (21) – (+); Lesnica – Lesnický potok valley: (39) – 5 ind.; (41) – 2 ind.; (42) – 6 ind.; (43) – 2 ind.; (44) – 1 ind.; Šafranovka – Lužná skala: (50) – 1 ind.

***Scheloribates* (s. str.) *latipes* (C. L. Koch, 1844)**

Poľana – Holica: (20) – (+); (21) – (+); Lesnica – Lesnický potok valley: (44) – 1 ind.



***Scheloribates (s. str.) pallidulus (C. L. Koch, 1840)***  
Kláštorná hora: (13) – (+); Haligovské skaly – Plašná: (35) – 2 ind.

***Scheloribates (s. str.) sp. 1 (?fimbriatus Thor, 1930)***  
Rabštin – Vysoké Skalky: (51) – 1 ind.

***Scheloribates (Hemileius) initialis (Berlese, 1908)***  
Biela Skala: (28) – (+); Šafranovka – Lužná skala: (50) – 20 ind.; Jarabinský prielom: (62) – 1 ind.

#### Oribatulidae

##### ***Phauloppia coineaui Travé 1961***

Polšana – Holica: (21) – (+); Lesnica – Lesnický potok valley: (40) – (+).

##### ***Phauloppia pilosa (Michael, 1888)***

Kláštorná hora: (14) – (+); Šafranovka – Lužná skala: (50) – 1 ind.

##### ***Phauloppia sp. 1***

Polšana – Holica: (21) – (+).

##### ***Oribatula pannonica Willmann, 1949***

Dunajec gorge (upper part): (2) – 35 ind.; Dunajec gorge (lower part): (6) – (+); Gorge of Lesnický potok: (11) – (+); Kláštorná hora: (14) – (+); Haligovské skaly – Plašná: (34) – 5 ind.; Lesnica – Lesnický potok valley: (43) – 1 ind.; Jarabinský prielom: (62) – 3 ind.

##### ***Oribatula tibialis (Nicolet, 1855)***

Dunajec gorge (upper part): (1) – 1 ind.; (3) – 1 ind.; Dunajec gorge (lower part): (5) – (+); (7) – (+); (9) – (+); Kláštorná hora: (14) – (+); (15) – 1 ind.; Polšana – Holica: (21) – (+); Biela Skala: (26) – 2 ind.; (28) – (+); (31) – (+); Haligovské skaly – Plašná: (34) – 12 ind.; (35) – 19 ind.; (37) – (+); Lesnica – Lesnický potok valley: (39) – 6 ind.; (42) – 12 ind.; (43) – 2 ind.; (44) – 9 ind.; (45) – 1 ind.; Šafranovka – Lužná skala: (46) – (+); (50) – 13 ind.; Rabštin – Vysoké Skalky: (52) – 1 ind.; Strážany: (57) – 23 ind.; (58) – 15 ind.; (59) – 25 ind.; Jarabinský prielom: (61) – 37 ind.; (62) – 8 ind.

##### ***Oribatula sp. 1***

Kláštorná hora: (14) – (+).

##### ***Oribatula sp. 2***

Haligovské skaly – Plašná: (37) – (+).

##### ***Zygoribatula exilis (Nicolet, 1855)***

Kláštorná hora: (17) – 2 ind.; Haligovské skaly – Plašná: (38) – 1 ind.; Lesnica – Lesnický potok valley: (44) – 1 ind.; Rabštin – Vysoké Skalky: (55) – 1 ind.; Jarabinský prielom: (64) – 1 ind.

#### REMARKS AND CONCLUSION

Very high number of species (231 in Pieniny, 62 in Jarabinský prielom) in such a small territory demonstrated the extraordinary importance of Pieniny National Park for soil biodiversity. Even in comparison with other, larger protected areas of Western Carpathians, which were studied recently and which are also located on limestone bedrock, the number of species found is higher. In neighbouring limestone part of Tatra Mountains – in range of Belianske Tatry, STARÝ (1996) found 124 species. Intensively studied karst/limestone national parks of Hungary were also found very species rich. In Aggtelek National Park

MAHUNKA & MAHUNKA-PAPP (1999) documented 181 species, and MAHUNKA (1996) reported from Bükk national park 220 species, similar number as found in our study.

Specific composition of the fauna and presence of some unknown and undescribed species may be related to several factors. First, despite of quite intensive research related to oribatid faunistics in Central Europe, Slovak part of Pieniny was never systematically researched until now. Also information about oribatid fauna of Polish part of Pieniny is restricted. BŁASZAK et al. (2000) recorded only 52 species from the territory. From the point of view of individual species, the species *Hoplophthiracarus illinoisensis*, recorded here for the first time for Slovak fauna, was already recorded (under *Hoplophthiracarus pavidus*) from Polish part.

Second, habitats of Pieniny, also thanks to nature conservation and presence in area which is not favourable for intensive farming nor suitable for other development destructive to nature, remained well preserved and close to the natural state.

Finally, geological conditions (carbonates enabling richer and more diverse vegetation cover) and geological past of territory, which was perhaps not glaciated during at least last ice-age, may contributed to the preservation of higher number of species.

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