

## ***New records of Lepidoptera from Slovakian part of the Pieniny Mts.***

Nowe stwierdzenia motyli (*Lepidoptera*) ze słowackiej części Pienin

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**Abstract.** The author provides new data on the occurrence of 165 species of *Lepidoptera*, which are for the first time recorded in the Slovakian area of Pieniny. These species were discovered during the field research in years 1999–2007. Thus the number of known species raised to 1008. The important share among recorded butterflies and moths make mainly thermophilic species – *Coleophora coronillae* Z., *Hypatopa binotella* THNBG., *Teleiodes sequax* HAW., *Sophronia semicostella* HB., *Phycitodes saxicolus* VAUGHAN, *Scopula decorata* D. et SCH., *Cryphia domestica* HUFN., *Cucullia verbasci* L., *Polymixis xanthomista* HB. and *Pachetra sagittigera* HUFN.

**Key words:** *Lepidoptera*, Pieniny Mts., new records

### INTRODUCTION

This article is a continuation of the contributions to the study of *Lepidoptera* in the Pieniny National Park this (Panigaj 1984, 1985, 1986, 1992, 1999, 2003). The survey *Lepidoptera* was continued also in the Polish part of Pieniny Mts. Results of the last faunistic and ecological studies were published by Nowacki and Waśala (2005, 2008). The aim of this study is to complete information on the *Lepidoptera* species richness in studied area.

As a rule typical entomological methods of *Lepidoptera* collecting were used. Most of specimens were collected at light (white sheet illuminated by 125 W mercury-vapor bulbe powered by a portable generator), respectively with an entomological net. Almost all specimens

were obtained by the author – leg., det. et coll. Ľ. Panigaj – and are now deposited in Department of zoology, Institut of Biological and Ecological Science, University P. J. Šafarik-Faculty of Science in Košice.

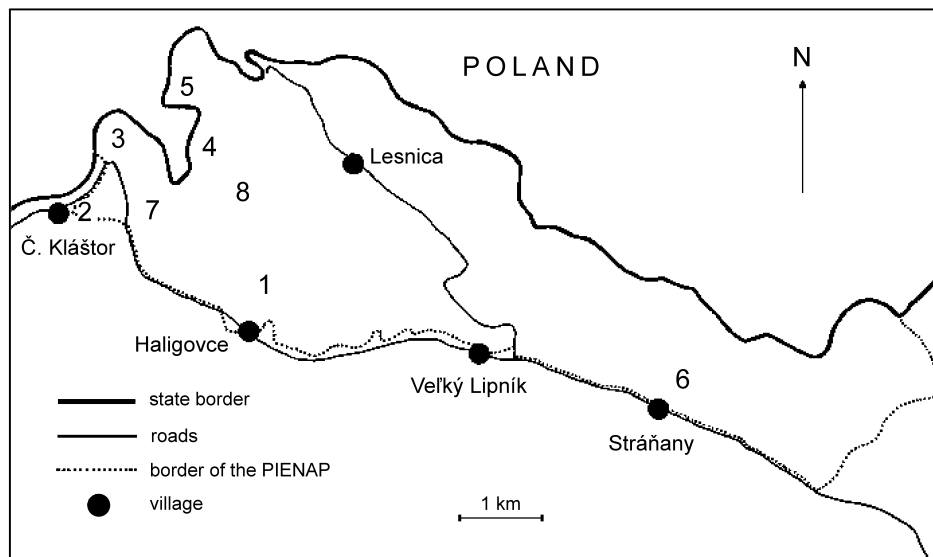
### STUDIED LOCALITIES

(Fig. 1)

1. Haligovské skaly rocks – grid square 6688b of the Databank of the Slovak fauna (DSF), waldsteppe on limestone rocky slopes with xerothermic plant communities. *Lepidoptera* collected mainly with a light trap.

2. Červený Kláštor village – DSF 6688a, urbane environment with gardens. *Lepidoptera* collected with a light trap.

3. Červený Kláštor-Kláštorná hora Mt. – DSF



**Fig. 1.** A schematic map of the studied area, with localities: 1 – Haligovské skaly rocks, 2 – Červený Kláštor village, 3 – Červený Kláštor-Kláštorná hora Mt., 4 – Hutý-forest nursery, 5 – Dunajec gorge, 6 – Strážany, 7 – Cerla, 8 – Targov.

6688a, various forest communities (beech, maple, fir). Lepidoptera collected with a light trap.

4. Hutý-forest nursery – DSF 6688b, large forest meadow near *Piceeto-Abietum* forest, with forest nursery. Lepidoptera collected mainly with a light trap.

5. Dunajec gorge – DSF 6688, touristic way in Dunajec valley, various habitats – xerothermic slopes, wet meadows, mixed forest.

6. Strážany – DSF 6689a, meadows, wet meadows, pastures, fields.

7. Cerla – DSF 6688b, mountain mown meadows.

8. Targov – DFS 6688b – mountain meadows, pastures (about 600 m a. s. l.).

#### LIST OF SPECIES

List of recorded species is combined according to the Checklist of Lepidoptera of the Czech and Slovak Republics (Laštůvka, ed. 1998).

#### *Micropterigidae*

*Micropterix calthella* (LINNAEUS, 1761) – Dunajec gorge, 3.05.2001 – several specimens in the flowers *Caltha palustris*.

#### *Adelidae*

*Adela ochsenheimerella* (HÜBNER, 1813) – Červený Kláštor-Kláštorná hora Mt., 18.05.2000; 30.05.2001 – few specimens to the light trap.

*Adela croesella* (SCOPOLI, 1763) – Hutý-forest nursery, 15.06.1999 – 1 ♂.

*Cauchas leucocerella* (SCOPOLI, 1763) – Haligovské skaly rocks, 21.05.2000 – many specimens.

*Cauchas fibulella* (DENIS ET SCHIFFERMÜLLER, 1775) – Dunajec gorge, 28.04.1999 – 1 ♂.

#### *Incurvariidae*

*Lampronia rupella* (DENIS ET SCHIFFERMÜLLER, 1775) – Č. Kláštor-Kláštorná hora Mt., 30.05.2001 – 1 ♂ into light trap. A mountain species.

#### *Tineidae*

*Archinemapogon yildizae* KOČAK, 1981 – Dunajec gorge, 20.05.1999 – 3 ♂♂ reared from poly-pores.

*Trichophaga tapetzella* (LINNAEUS, 1758) – Č. Kláštor village, 4.10.2007 – 1 ♂.

*Monopis obviella* (DENIS ET SCHIFFERMÜLLER, 1775) – Haligovské skaly rocks, 28. 6. 2002 – 1 ♂.

*Monopis monachella* (HÜBNER, 1796) – Č. Kláštor village, 18.07.2001 – 1 ♂.

### **Roeslerstammiidae**

*Roeslerstamia erxebella* (FABRICIUS, 1787) – Cerla, 2.05.2001 – 1 ♂ (leg. I. Turček).

### **Gracilariidae**

*Parornix devoniella* (STANTON, 1850) – Huty-forest nursery, 17.08.1999 – 1 ♂.

### **Yponomeutidae**

*Yponomeuta sedella* TREITSCHKE, 1833 – Haligovské skaly rocks, 19. 7. 2001 – 2 ♂♂.

*Euhypnometia stanellus* (THUNBERG, 1794) – Lesnícky potok creek-Kače, 22.06.1990 – 1 ♂.

*Argyresthia abdominalis* ZELLER, 1839 – Č. Kláštor-Kláštorná hora Mt., 30.05.2001 – 1 ♂.

### **Ypsolophidae**

*Ypsolopa dentella* (FABRICIUS, 1775) – Huty-forest nursery, 17.08.1999 – 1 ♂.

*Ypsolopa sequella* (CLERCK, 1759) – Č. Kláštor-Kláštorná hora Mt., 19.07.2001 – 1 ♀.

*Ypsolopa vittella* (LINNAEUS, 1758) – Haligovce, 26.06.1989 – 1 ♂ in riparian alder wood in Lipnícky potok creek.

### **Plutellidae**

*Eidophasia messingiella* (FISCHER VON ROSLERSTAMM, 1840) – Haligovské skaly rocks, 21.06.2002 – 1 ♂.

### **Ethmiidae**

*Ethmia pusiella* (LINNAEUS, 1758) – Č. Kláštor-Kláštorná hora Mt., 12.06.2004 – 1 ♀.

*Ethmia terminella* FLETSCHER, 1938 – Haligovské skaly rocks, 29.05.2007 – 1 ♂.

*Ethmia bipunctella* (FABRICIUS, 1775) – Haligov-

ské skaly rocks, 15.07.2006; 23.08.2007 – 2 specimens.

### **Depressariidae**

*Agonopterix kaekeritziana* (LINNAEUS, 1767) – Haligovské skaly rocks, 21.06.2002 – 2 ♂♂.

*Agonopterix propinquella* (TREITSCHKE, 1835) – Lesnica village, 20.08.1990 – 1 ♂.

*Agonopterix petasitis* (STANDFUSS, 1851) – Dunajec gorge, 2.07.2000 – 1 ♂ on forest road.

### **Oecophoridae**

*Diurnea lipsiella* (DENIS ET SCHIFFERMÜLLER, 1775) = (*phryganella* Hb.) – Targov–Cerla, in October 2000 – several specimens in beech forest.

*Oecophora bractella* (LINNAEUS, 1758) – Huty-forest nursery, 22.06.2001 – 1 ♀.

*Carcinia quercana* (FABRICIUS, 1775) – Č. Kláštor-Kláštorná hora Mt., 23. 8. 2000 – 3 ♂♂.

*Pleurota bicostella* (CLERCK, 1759) – Haligovské skaly rocks, 21.06.2002 – 1 ♂.

### **Batrachedridae**

*Batrachedra pinicolella* (ZELLER, 1839) – Č. Kláštor village, 18. 7. 2001 – 1 ♂; Targov, 19. 7. 2001 – 1 ♂; Haligovské skaly rocks, 21. 6. 2002 – 4 ♂♂.

### **Coleophoridae**

*Coleophora coracipennella* (HÜBNER, 1796) – Dunajec gorge, 26.06.1990 – 1 ♂ (det. A. Reiprich).

*Coleophora deauratella* LIENIG ET ZELLER, 1846 – Haligovské skaly rocks, 26.06.2002 – 1 ♀.

*Coleophora coronillae* ZELLER, 1849 – Huty-forest nursery, 22.07.1999 – 1 ♂; Haligovské skaly rocks, 21.06.2002 – 1 ♂. Both specimens in the light trap.

*Coleophora alticolella* ZELLER, 1849 – Dunajec gorge, 19.05.2000 – 1 ♂ on a meadow along Dunajec river.

*Coleophora therinella* TENGSTRÖM, 1848 – Haligovské skaly rocks, 26.06.2002 – 1 ♂.

*Coleophora sternipennella* (ZETTERSTEDT, 1839)  
– Haligovské skaly rocks, 5.07.2002 – 1 ♀.

*Coleophora striatipennella* TENGSTRÖM, 1848 –  
Huty – forest nursery, 22.07.1999 – 2 ♂.

*Coleophora paripennella* ZELLER, 1839 –  
Č. Kláštor-Kláštorná hora Mt., 30.05.2001  
– 1 ♂ in the light trap. A rare occurring species.  
Three localities are known in Slovakia –  
Vrátna dolina valley, Dedinky and Biele Vody  
in Slovak Paradise (Reiprich, Okáli 1989) –  
probably its occurrence is confined to lime-  
stones in mountaine localities.

### **Blastobasidae**

*Hypatopa binotella* (THUNBERG, 1794) – Haligov-  
ské skaly rocks, 5.07.2002 – 2 ♂♂.

### **Cosmopterigidae**

*Sorhagenia lophyrella* (DOUGLAS, 1846) – Dunajec  
gorge, 20.05.2000 – 1 ♂; 20.06.2002 – 1 ♂.  
A very rare species preferring deciduous forests  
– only two localities of occurrence in Slovakia  
– Čifáre and Čingov (Patočka 1982).

*Eteobalea anonymella* (RIEDL, 1965) – Haligo-  
vské skaly rocks, 21.06.2002 – 3 ♂♂.

### **Gelechiidae**

*Metzneria neuropterella* (ZELLER, 1839) – Haligov-  
ské skaly rocks, 19.07.2001 – 1 ♂.

*Metzneria metzneriella* (STANTON, 1851) –  
Č. Kláštor village, 18.07.2001 – 1 ♀; Haligov-  
ské skaly rocks, 21.06.2002 – 1 ♀.

*Agrolamprotes micella* (DENIS ET SCHIFFER-  
MÜLLER, 1775) – Č. Kláštor village, 18.07.2001  
– 1 ♂.

*Monochroa parvulata* (GOZMÁNY, 1957) – Hali-  
govské skaly rocks, 21.06.2002 – 1 ♀.

*Eulamprotes atrella* (DENIS ET SCHIFFERMÜLLER,  
1775) – Huty – forest nursery, 23.07.1999 –  
1 ♂; Haligovské skaly, 26.07.2002 – 1 ♂.

*Bryotropha senectella* (ZELLER, 1839) – Huty-  
forest nursery, 22.07.1999 – 1 ♂.

*Exoteleia dodecella* (LINNAEUS, 1758) – Dunajca  
gorge, 20.06.2002 – 1 ♀.

*Teleiodes sequax* (HAWORTH, 1828) – Haligov-

ské skaly rocks, 28.06.1989 – 1 ♂ (det.  
A. Reiprich). The species was recorded on  
xerothermic slope.

*Gelechia muscosella* ZELLER, 1839 – Huty-forest  
nursery, 7.07.1999 – 1 ♂ in the light trap on  
a meadow surrounded by mixed forest.

*Mirificarma maculatella* (HÜBNER, 1796) – Hali-  
govské skaly rocks, 19.07.2001 – an abundant  
occurrence.

*Euscrobipalpa klimeschi* (POVOLNÝ, 1967) –  
Č. Kláštor village 18.07. 001 – 1 ♂.

*Teleiodes fugitivellus* (ZELLER, 1839) – Č. Kláštor  
village, 22.08.2000 – 1 ♂.

*Caryocolum leucomelanellum* (ZELLER, 1839)  
– Haligovské skaly rocks, 19.07.2001;  
22.08.2001 – several specimens.

*Caryocolum blandellum* (DOUGLAS, 1852) –  
Č. Kláštor village, 29.07.1992 – 1 ♂ in the  
light trap (gen. prep. et det. A. Reiprich).

*Caryocolum tricolorellum* (HAWORTH, 1812) –  
Č. Kláštor-Kláštorná hora Mt., 23.08.2000 –  
1 ♂.

*Caryocolum cassellum* (WALKER, 1864) – Huty-  
forest nursery, 19.08.1999 – 1 ♂. A very  
rare species, only a few further records from  
Slovakia are available: Závod (Reiprich,  
Okáli 1989), Strážske and Donovaly (Elsner,  
Huemer, Tokár 1999).

*Sophronia semicostella* (HÜBNER, 1813) – Hali-  
govské skaly rocks, 19.07.2001 – 1 ♀; 21.06.2002  
– 1 ♂. A thermophilic species.

*Syncopacma coronillella* (TREITSCHKE, 1833)  
– Haligovské skaly rocks, 19.07.2001;  
21.06.2002 – several specimens.

*Syncopacma wormiella* (WOLFF, 1958) – Hali-  
govské skaly rocks, 21.06.2002 – 1 ♂.

*Dichomeris derasella* (DENIS ET SCHIFFERMÜLLER,  
1775) – Č. Kláštor-Kláštorná hora Mt.,  
30.05.2001 – 1 ♂.

*Dichomeris limosella* (SCHLÄGER, 1849) – Hali-  
govské skaly rocks, 5.06.2002 – 1 ♂; 24.07.2002  
– 1 ♂.

*Sitotroga cerealella* (OLIVIER, 1789) – Č. Kláštor-  
Kláštorná hora Mt., 15.09.2001 – 1 ♀.

**Tortricidae**

- Phalonidia curvistrigana* (STAINTON, 1859) – Č. Kláštor-Kláštorná hora Mt., 30.05.2001 – 1 ♀.
- Gynnidomorpha permixtana* (DENIS ET SCHIFFERMÜLLER, 1775) – Huty-forest nursery, 22.07.2001 – 2 ♂♂; Haligovské skaly rocks, 21.06.2002 – 2 ♂♂.
- Eupoecilia angustana* (HÜBNER, 1799) – Haligovské skaly rocks, 21.06.2002 – 1 ♀; Č. Kláštor village, 18.07.2001 – 1 ♂.
- Aethes bilbaensis* (RÖSSLER, 1877) – Haligovské skaly rocks, 23.08.2007 – 1 ♀.
- Aethes cnicana* (WESTWOOD, 1854) – Haligovské skaly rocks, 15.07.2006 – 2 ♂♂.
- Cochylis dubitana* (HÜBNER, 1799) – Huty-forest nursery, 21.05.1999 – 1 ♂.
- Acleris forsskaleana* (LINNAEUS, 1758) – Č. Kláštor-Kláštorná hora Mt., 17.06.2002 – 1 ♂.
- Acleris rhombana* (DENIS ET SCHIFFERMÜLLER, 1775) – Č. Kláštor village, 22.08.2000 – 1 ♀.
- Acleris emargana* (FABRICIUS, 1775) – Č. Kláštor-Kláštorná hora Mt., 27.09.2001 – several specimens.
- Eana canescana* (GUENÉE, 1845) – Dunajec gorge, 18.08.1999 – abundant occurrence (over 25 specimens).
- Paramesia gnomana* (CLERCK, 1759) – Haligovské skaly rocks, 21.06.2002 – 1 ♂.
- Philedone gerningana* (DENIS ET SCHIFFERMÜLLER, 1775) – Haligovské skaly rocks, 22.08.2001; 24.07.2002; 23.08.2007 – 4 specimens.
- Archips xylosteanus* (LINNAEUS, 1758) – Lesnícky potok creek-Kače, 17.06.2006 – 1 ♂.
- Choristoneura diversana* (HÜBNER, 1817) – Č. Kláštor-Kláštorná hora Mt., 30.05.2001 – 1 ♀.
- Choristoneura murinana* (HÜBNER, 1799) – Huty-forest nursery, 7.07.1999 – few specimens.
- Aphelia viburnana* (DENIS ET SCHIFFERMÜLLER, 1775) – Haligovské skaly rocks, 21.06.2001 – 1 ♂.
- Apotomis inundana* (DENIS ET SCHIFFERMÜLLER, 1775) – Huty-forest nursery, 7.07.1999 – 1 ♂.
- Hedya dimidiana* (CLERCK, 1759) – Č. Kláštor village, 21.06.2000 – 1 ♂.
- Celypha cespitana* (HÜBNER, 1817) – Haligovské skaly rocks, 19.07.2001 – 1 ♀.
- Celypha lacunana* (DENIS ET SCHIFFERMÜLLER, 1775) – Č. Kláštor-Kláštorná hora Mt., 30.05.2001 – 1 ♂; Haligovské skaly rocks, 22.08.2001 – 1 ♀.
- Celypha rivulana* (SCOPOLI, 1763) – Haligovské skaly rocks, 5.07.2002 – 1 ♂.
- Epinotia pygmaeana* (HÜBNER, 1799) – Cerla, 20.04.2000; 2.05.2001 – abundant on mountain meadow.
- Barbara herrichiana* OBRAZTSOV, 1960 – Č. Kláštor-Kláštorná hora Mt., 1.05.2001 – 1 ♂. This species occurs in fir forests; in Slovakia are known three localities of occurrence – Banská Štiavnica (Patočka 1952), Kysihýbl (Patočka 1956) and Žarnovica (Patočka 1982).
- Ancylis achatana* (DENIS ET SCHIFFERMÜLLER, 1775) – Haligovské skaly rocks, 21.06.2002 – 1 ♂ on rocky steppe slope.
- Cydia succedana* (DENIS ET SCHIFFERMÜLLER, 1775) – Cerla, 27.07.1989 – 1 ♀.
- Cydia fagiglandana* (ZELLER, 1841) – Huty-forest nursery, 15.06.1999 – 1 ♂.
- Cydia jungiella* (CLERCK, 1759) – Dunajec gorge, 28.05.1999 – 1 ♀ in low vegetation near forest road.
- Cydia compositella* (FABRICIUS, 1775) – Huty, 21.05.1999 – 1 ♂ on a pasture.
- Pammene regiana* (ZELLER, 1849) – Č. Kláštor-Kláštorná hora Mt., 30.05.2001 – 1 ♂.

**Pyralidae**

- Aphomia sociella* (LINNAEUS, 1758) – Huty-forest nursery, 7.07.1999 – 1 ♂; Haligovské skaly rocks, 23.07.2002 – 1 ♀.
- Hypsopygia costalis* (FABRICIUS, 1775) – Č. Kláštor village, 23.08.2007 – 1 ♂.

*Pempeliella ornatella* (DENIS ET SCHIFFERMÜLLER, 1775) – Haligovské skaly rocks, 21.06.2002; 22.08.2002; 23.08.2007 – several specimens.

*Pempelia palumbella* (DENIS ET SCHIFFERMÜLLER, 1775) – Haligovské skaly rocks, 19.07.2001 – 1 ♂.

*Pempelia obductella* ZELLER, 1839 – Huty-forest nursery, 21.07.1999 – 1 ♂; Haligovské skaly rocks, 22.08.2001 – 1 ♂.

*Homoeosoma sinuellum* (FABRICIUS, 1794) – Č. Kláštor village, 19.06.2000 – 3 ♂♂ + 1 ♀.

*Phycitodes saxicolus* (VAUGHAN, 1870) – Haligovské skaly rocks, 23.08.2007 – 1 ♀.

*Plodia interpunctella* (HÜBNER, 1813) – Č. Kláštor village, 23.08.2007 – 2 ♂♂.

*Agriphila inquinatella* (DENIS ET SCHIFFERMÜLLER, 1775) – Stráňany, 22.08.2007 – 1 ♂.

*Agriphila straminella* (DENIS ET SCHIFFERMÜLLER, 1775) – Lesnícky potok creek-Kače, 26.07.1989 – 1 ♂ on a meadow near road.

*Elophila nymphaeata* (LINNAEUS, 1758) – Haligovské skaly rocks, 19.07.2001 – 1 ♂. Interesting record, because larvae of this species live in water habitats.

*Sitochroa palealis* (DENIS ET SCHIFFERMÜLLER, 1775) – Haligovské skaly rocks, 19.07.2001 – 1 ♂.

*Agrotera nemoralis* (SCOPOLI, 1763) – Haligovské skaly rocks, 5.06.2002 – several specimens.

*Palpita unionalis* (HÜBNER, 1796) – Č. Kláštor-Kláštorná hora Mt., 4.10.2001 – 2 ♂♂ in the light trap. A migratory species – this is only fourth record from Slovakia.

### **Lasiocampidae**

*Lasiocampa quercus* (LINNAEUS, 1758) – Haligovské skaly rocks, 19.07.2001 – 1 ♀.

*Odonestis pruni* (LINNAEUS, 1758) – Č. Kláštor village, 22.08.2000 – 1 ♂.

### **Sphingidae**

*Sphinx ligustri* LINNAEUS, 1758 – Haligovské skaly rocks, 12.09.2002 – 2 ♂♂.

### **Pieridae**

*Leptidea reali* REISSINGER, 1989 – Dunajec gorge, Haligovské skaly rocks, in June – 3 ♂♂.

*Pontia daplidicae* (LINNAEUS, 1758) – Stráňany, VII – on a meadow north of village – 2 ♂♂. Occurrence of this species is reported from Kamienska village (Panigaj 1985), and thus its occurrence in National Park was confirmed.

*Colias crocea* (FOURCROY, 1785) – Haligovské skaly rocks, 4.10.2001 – very abundant occurrence.

### **Lycaenidae**

*Satyrrium spini* (DENIS ET SCHIFFERMÜLLER, 1775) – Dunajec gorge, 15.07.2001 – 1 ♂ on a meadow at confluence of Dunajec river and a creek from Huty.

*Lycaena tityrus* (PODA, 1761) – Huty, 3.06.2000 – 3 ♂♂ on a mountain meadow.

*Cupido argiades* (PALLAS, 1771) – Targov, 5.09.2002 – 1 ♀ in a grassland.

### **Nymphalidae**

*Apatura ilia* (DENIS ET SCHIFFERMÜLLER, 1775) – Huty, VII 1999 – many specimens on a forest road.

*Melitaea diamina* (LANG, 1789) – Haligovské skaly rocks, Dunajec gorge, Stráňany, VII – several specimens. The species prefer wet and waterlogged habitats.

### **Geometridae**

*Hypoxystis pluviana* (FABRICIUS, 1787) – Cerla, 2.05.2001 – a few specimens on a mountain meadow.

*Lycia hirtaria* (CLERCK, 1759) – Č. Kláštor-Kláštorná hor Mt., 1.05.2001 – 2 ♂♂.

*Deileptenia ribeata* (CLERCK, 1759) – Huty-forest nursery, 22.07.1999 – 1 ♂.

*Ectropis crepuscularia* (DENIS ET SCHIFFERMÜLLER, 1775) – Dunajec gorge, IV, V – several specimens.

*Charissa pullata* (DENIS ET SCHIFFERMÜLLER, 1775) – Dunajec gorge, 18.06.2002 – 1 ♂; Haligovské skaly rocks, 16.07.2001 – 2 ♂♂.

- Scopula decorata* (DENIS ET SCHIFFERMÜLLER, 1775) – Haligovské skaly rocks, 5.07.2002 – 1 ♂.
- Scopula rubiginata* (HUFNAGEL, 1767) – Haligovské skaly rocks, 23.08.2007 – 1 ♀.
- Idaea dilutaria* (HÜBNER, 1799) – Haligovské skaly rocks, 5.07.2002 – 1 ♂.
- Idaea emarginata* (LINNAEUS, 1758) – Haligovské skaly rocks, 24.07.2002 – 2.
- Anticlea derivata* (DENIS ET SCHIFFERMÜLLER, 1775) – Č. Kláštor-Kláštorná hora Mt., 1.05.2001 – 1 ♂.
- Colostygia kollariaria* (HERRICH-SCHÄFFER, 1848) – Č. Kláštor-Kláštorná hora Mt., 28.05.2001 – 1 ♂ in the light trap. A subalpine species.
- Horisme aemulata* (HÜBNER, 1813) – Č. Kláštor-Kláštorná hora Mt., 30.05.2001 – 1 ♂.
- Spargania luctuata* (DENIS ET SCHIFFERMÜLLER, 1775) – Targov, 23.07.2002 – 1 ♀.
- Rheumaptera hastata* (LINNAEUS, 1758) – Targov, 30.05.2001 – 1 ♂ on a pasture.
- Operophtera fagata* (SCHARFENBERG, 1805) – Huty-forest nursery, 30.04.2001 – several specimens.
- Eupithecia pimpinellata* (HÜBNER, 1813) – Haligovské skaly rocks, 24.07.2002 – 1 ♀.
- Eupithecia semigraphata* BRUAND, 1851 – Haligovské skaly rocks, 24.07.2002 – 1 ♀.
- Eupithecia millefoliata* RÖSSLER, 1866 – Huty-forest nursery, 22.07.1999 – 1 ♀.
- Euchoeca nebulata* (SCOPOLI, 1763) – Huty-forest nursery, 24.07.2002 – 2 ♂.
- Asthena albulata* (HUFNAGEL, 1767) – Huty-forest nursery, 15.06.1999 – 1 ♂ in the light trap.
- Acasis viretata* (HÜBNER, 1799) – Č. Kláštor-Kláštorná hora Mt., 1.05.2001 – 1 ♂.
- Notodontidae**
- Ptilophora plumigera* (DENIS ET SCHIFFERMÜLLER, 1775) – Č. Kláštor-Kláštorná hora Mt., 27.09.2001 – 3 ♂♂.
- Noctuidae**
- Acrionicta auricoma* (DENIS ET SCHIFFERMÜLLER, 1775) – Haligovské skaly rocks, 24.07.2002 – 1 ♂.
- Acrionicta strigosa* (DENIS ET SCHIFFERMÜLLER, 1775) – Č. Kláštor village, 19.06.2000 – 1 ♂. A relatively rare species.
- Cryphia domestica* (HUFNAGEL, 1766) – Haligovské skaly rocks, 22.08.2001 – an abundant species.
- Hypena rostralis* (LINNAEUS, 1758) – Č. Kláštor-Kláštorná hora Mt., 27.09.2001 – 1 ♀.
- Diachrysia chryson* (ESPER, 1789) – Huty-forest nursery, 22.07.1999 – 2 ♂♂.
- Emmelia trabealis* (SCOPOLI, 1763) – Stráňany, 22.08.2007 – 1 ♂ on a field road.
- Cucullia verbasci* (LINNAEUS, 1758) – Haligovské skaly rocks, 5.06.2002 – 1 ♂ in the light trap.
- Heliothis armigera* (DENIS ET SCHIFFERMÜLLER, 1775) – Lesnícky potok creek-Kače, 24.08.2000 – 1 ♂; Haligovské skaly rocks, 25.08.2000 – 1 ♂. A termophilic and migratory species.
- Talpophila matura* (HUFNAGEL, 1766) – Haligovské skaly rocks, 22.08.2007 – several specimens in the light trap.
- Ipimorpha subtusa* (DENIS ET SCHIFFERMÜLLER, 1775) – Huty-forest nursery, 16.08.2002 – 1 ♂.
- Conistra erythrocephala* (DENIS ET SCHIFFERMÜLLER, 1775) – Č. Kláštor-Kláštorná hora Mt., 4. 0.2001 – a few specimens in the light trap.
- Polymixis xanthomista* (HÜBNER, 1819) – Č. Kláštor village, 23.09.1987 – 1 ♂. Nowacki & Wařala (2008) mentioned, that this species is found in Poland only in a few sites in the Pieniny Mts.
- Apamea ophiogramma* (ESPER, 1794) – Stráňany, 16.06.2000 – 1 ♂.
- Archanara sparganii* (ESPER, 1790) – Haligovské skaly rocks, 23.08.2007 – 1 ♂. The species indicates the proximity of wetlands.
- Lacanobia w-latinum* (HUFNAGEL, 1766) – Haligovské skaly rocks, 22.08.2007 – 1 ♂.

*Lacanobia aliena* (HÜBNER, 1809) – Haligovce village, 2.06.1983 – 1 ♂.

*Hadena bicruris* (HUFNAGEL, 1766) – Haligovské skaly rocks, 24.07.2002 – 1 ♀.

*Hadena filigrama* (ESPER, 1788) – Haligovské skaly rocks, 23.08.2007 – 2 ♂.

*Mythimna vitellina* (HÜBNER, 1808) – Haligovské skaly rocks, 22.08.2001 – 1 ♂. A rare species of xerothermic habitats.

*Mythimna l-album* (LINNAEUS, 1758) – Haligovské skaly rocks, 12.09.2002 – 1 ♂.

*Orthosia munda* (DENIS ET SCHIFFERMÜLLER, 1775) – Č. Kláštor-Kláštorná hora Mt., 30.04.2001 – 1 ♀.

*Egira conspicularis* (LINNAEUS, 1758) – Č. Kláštor-Kláštorná hora Mt., 30.04.2001 – 3 ♂♂ + 1 ♀.

*Pachetra sagittigera* (HUFNAGEL, 1766) – Haligovské skaly rocks, 29.05.2007 – 1 ♂. A rare species of xerothermic grasslands and rocky slopes.

*Eurois occulta* (LINNAEUS, 1758) – Huty-forest nursery, 22.07.1999 – 1 ♂.

*Euxoa decora* (DENIS ET SCHIFFERMÜLLER, 1775) – Č. Kláštor-Kláštorná hora Mt., 24.09.1986 – 1 ♂.

### **Nolidae**

*Meganola albula* (DENIS ET SCHIFFERMÜLLER, 1775) – Č. Kláštor-Kláštorná hora Mt., 17.06.2002 – 3 ♂♂.

### **CONCLUSION**

In this article comments on 165 Lepidoptera species, so far non cited from area of the Pieniny National Park, mainly in central part, are given. The number of *Lepidoptera* known from Slovak part of Pieniny Mts. raised to 1008 species.

It is remarkable, that the significant share of recorded species is represented by termophilic species – *Coleophora coronillae*, Z., *Hypatopa binotella* THNBG., *Teleiodes sequax* HAW., *Sophronia semicostella* HB., *Phycitodes saxicolus* VAUGHAN, *Scopula decorata* D. ET SCH., *Cryphia*

*domestica* HUFN., *Cucullia verbasci* L., *Polymixis xanthomista* HB., *Pachetra sagittigera* HUFN.

The increasing number of migratory species from south Europe was noted, e. g. *Palpita unionalis* HB., *Colias crocea* FRCR., *Mythimna vitellina* HB., *Heliothis armigera* D. ET SCH. Surprisingly there were also found species affiliated to wetlands, e. g. *Elophila nymphaeata* L., *Melitaea diamina* LANG, *Apamea ophiogramma* ESP., *Archanara sparganii* ESP. Inversive position in Dunajec gorge offers conditions for occurrence of mountain species *Lampronia rupella* D. ET SCH. and *Colostygia kollariaria* H.-S.

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