A catalogue of the Bulgarian Lepidoptera species reported and collected from the caves and galleries in Bulgaria (Insecta, Lepidoptera)

by

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Abstract: In the “Catalogue” all existing speleological and entomological literature concerning Microlepidoptera and Macrolepidoptera (Butterflies and Moths) fauna, found in caves and galleries, are presented together with the results of several years’ studies by the authors. For every individual species, that is extant in every reported cave and gallery, as well as the authors who have made the report, is included. New data, most recently gathered are reported as well. Several species are new for the cave fauna of Bulgaria, some others are all together new to the caves. One species is new for the Bulgarian fauna. The number of the established up until now Lepidoptera species in the caves and galleries in Bulgaria is 32.

Introduction

For a considerable length of time the Bulgarian cave fauna has been of interest to many researchers, both Bulgarians and foreign. Although considerable data concerning the fauna of Lepidoptera of the caves and galleries in Bulgaria exists, having been published in numerous articles, up until now only one study (SKALSKI, 1972) concerns the Lepidoptera cave fauna. This article however explores only a small part of the country, the Iskar Gorge, (the Lakatnik Railway Station area). All other data are published in the speleological literature (BERON, 1972, BERON, 1975, BERON, P. & V. GUEORGUEV, 1967, GUEORGUEV & BERON, 1962) and other, or in lepidopterological ones (BESHKOW, 1992, BESHKOV, 1995, BURESCH, 1934, BURESCH, 1936, BURESCH, 1939, BURESCH & TULESKHOW 1932, 1935, 1936, GANEV, 1985, KOLEV, 1993) and others. For the above reasons, including the difficult access to most of the articles quoted, having been published in various journals in Bulgaria and abroad, and in several languages, we deemed it necessary to collect and publish all data concerning the Bulgarian butterflies and moths fauna reported from the caves and galleries. In this catalogue, we have provided the data we have collected over a period of years. For each of the species we offer all of the caves and galleries and the authors that have reported them, as well as our latest data. The order of the families is given according to LERAUT (1980) and ANE (1988). The systematics of the family Noctuidae is given according to FIBIGER & HACKER (1990; 1992).

Most of the unpublished data presented here has been collected by the authors (primary by B. PETROV) as a result of several years’ research on the fauna of caves conducted throughout the country. The names of all of the colleagues and friends who were so kind to collect material for the preparation of this Catalogue are mentioned in the text. The materials without any mentioned collector have been collected by the author S. BESHKOV. The entire material has been determined by S. BESHKOV. For the purpose of avoiding future misunderstandings, all of the Microlepidoptera species, as well as the specimens of the genus Autophila and
some others Noctuidae and Geometridae, are determined taking into account their differences in the genitals. All the mentioned material is found in the collection of S. Beshkov.

Family Tineidae

*Tinea* spec.
Mentioned as “trogloxen ?” in Guéorguiev & Beron (1962).
Reported from:

*Monopis obviella* ([Denis & Schiffermüller], 1775)
Trogloxen (Guéorguiev & Beron, 1962; Beron, 1994).
The upper entrance of the “Parnitzite” Cave near to Bezhanovo Village, Cherven Bryag Region, 21.I.1995, B. Petrov & P. Stoev leg. 4 males specimens (Gen. preps 1–2./06.II.1995, Beshkov) on guano and clay.
Reported from:

*Monopis rusticella* (Hübner, 1796) = *saturella* (Haworth, 1828)
Subtroglophil.
“Kolibata” Cave near to Beledie Han Village, Kostinbrod Region, 02.III.1994, B. Petrov leg. one female specimen, Gen. prep. 4./19.XII.1994, Beshkov.
The upper entrance of the “Parnitzite” Cave near to Bezhanovo Village, Cherven Bryag Region, 21.I.1995, B. Petrov & P. Stoev leg. 1 male specimen (Gen. prep. 3./06.II.1995, Beshkov) on guano and clay.
New for the cave fauna of Bulgaria.
Further data of the cave-dwelling Tineid moths, as well as illustrations and descriptions of the species and their genitalia, wing venation, substrate and distribution of some species with a key to determination exist in the the Taxonomic Review of the World Cave-Dwelling Species from Robinson (1980).

Family Yponomeutidae

*Ypsolophus wolfschlaegeri* (Rebel, 1941)
Trogloxen (Guéorguiev & Beron, 1962; Beron, 1975; Beron, 1994).
Reported from:
“Souhata Doupka” Cave near to Lakatnik Railway Station in the Iskar Gorge (REBEL, 1941; GUÉORGUIEV & BERON, 1962; BERON, 1975) as Cerostoma wolfsclaegeri Rbl. “Souhata Doupka” Cave is the type locality of the species.

**Digitivalva granitella** TREITSCHKE, 1833  
Trogloxen (GUÉORGUIEV & BERON, 1962; BERON, 1975; BERON, 1994).  
“Doupcheto” Cave near to “Lepenitza” Pit, 16 km from Velingrad Town, West Rhodopi Mts, 25.XI.1993, in a depth 25–8 m, B. PETROV and P. STOEV collected 3 males specimens, Gen. preps. 5–7./19.XII.1994, BESHKOV.

Reported from:  
“Temnata Doupka” Cave near to Lakatnik Railway Station in the Iskar Gorge (SKALSKI, 1972; BERON, 1972; BERON, 1975).  
“Bacho Kiro” Cave (“Dryanovskata Peshtera” Cave) near to Dryanovo, Gabrovo Řegion (GUÉORGUIEV & BERON, 1962; TULESHKOV, 1930; SKALSKI, 1972).

**Digitivalva pulicariae** (KLIMESCH, 1956)  
Trogloxen (BERON, 1975; BERON, 1994).

Reported from:  
“Temnata Doupka” Cave near to Lakatnik Railway Station in the Iskar Gorge (SKALSKI, 1972; BERON, 1972; BERON, 1975).  
“Kozarskata Doupka” Cave near to Lakatnik Railway Station in the Iskar Gorge (SKALSKI, 1972; BERON, 1972; BERON, 1975).

Family Alucitidae

**Alucita huebneri** WALLENGREN, 1859  
Trogloxen (GUÉORGUIEV & BERON, 1962; BERON, 1994).

Reported from:  
“Kalugerova Doupka” Cave near to Tarnovo Town, one specimen, 21.II.1926, leg. and det. BURESCH (GUÉORGUIEV & BERON, 1962).  
“Dalbokata Peshtera” Cave near to Kotel Town, Sliven Region, 27.IX.1924, one specimen RADEV leg., det. BURESCH (GUÉORGUIEV & BERON, 1962).

**Alucita cymmatodactyla** ZELLER, 1852  
Subtroglophil.  
“Prilepnata Peshtera” Cave, East Rhodopi Mts, Sredna Arda Railway Station, Kardzhali Region, 31.III.1992;
“Tilki-Inhi” Cave, near to Ostrovitza Village, Kardzhali Region, East Rhodopi Mts, 01.IV.1992, 1 male Gen. prep. Beschkov, 4./23.IV.1993;
“Razklonenata Peshtera” Cave (Gugini) between Koulich and Oreshari Villages, Arda valley, East Rhodopi Mts. 03.IV.1992.
Kresnensko Defile Gorge, Station Stara Kresna, 200 m, 01.10.1988 in gallery; Idem, 05.III. 1994, one female specimen, Gen. prep. 1./19.XII.1994, Beschkov.
Melnik Town, Sandanski Region, 400 m, 02.II.1990 one female in gallery.
“Salievata Peshtera” Cave near to Gospodintzi Village, Gotze Delchev Region, SW Bulgaria, 02.XI.1994, B. Petrov leg. one female specimen, Gen. prep. 4./16.XI.1994, Beshkov.
New for the cave fauna of Bulgaria.

_A lucita poecilodactyla_ ALPHERAKY, 1876
Trogloxen.
Gallery by Stara Kresna Railway Station, Sw Bulgaria, 05.III.1994, one male specimen, Gen. prep. 2./19.XII.1994, Beshkov.
This species has never been reported for the fauna of caves and galleries in Bulgaria. New species for the Bulgarian fauna.

Family Nymphalidae

_Inachis io_ (LINNAEUS, 1758)
Trogloxen.
“Emenskata Peshtera” Cave near to Emen Village, Veliko Tarnovo Region, 12.I.1989, Vl. Beshkov observed approximately 30 specimens at a depth between 30–80 m
“Starshelita” Cave above Goleshovo Village, 1000 m, Sw Bulgaria, South Pirin Mts, 29.XI. 1992 (B. Petrov leg.).
Galleries “Katakombite” near to the Black-Sea Coast, Aladja Manastir, 31.VII.1993., P. Mitov leg. two male specimens.
“Souhata Peshtera” Cave near to Velingrad Town, West Rhodopi Mts, 25.XI.1993, one specimen, B. Petrov and P. Stoev observed.
“Goliama Kauna” Cave, West Rhodopi Mts, near to Zabardo Village, 1250 m, 25.XI.1993, Vl. Beshkov observed 3 specimens;
Gallery near to Mala Tcharkva Village, Rila Mts, 05.II.1994, 1 specimen, Vl. Beshkov leg.
“Dinevata Pesht” Cave near to Gintzi Village, West Stara Planina Mts, 05.XI.1995, one specimen, Vl. Beshkov observed.
“Svinskara Doupka” Cave near to Lakatnik Railway Station, 27.XI.1994, B. Petrov observed.
Gallery near to Rila Town, 600 m alt., 11.II.1995, Vl. Beshkov observed single specimen.
Gallery above Gorna Byala Rechka Village, Vrachanska Stara Planina Mts, 620 m, 24.XI. 1995, V. Beshkov leg. 6 specimens.
Gininata Pestera Cave near to Sadovetz Village, Pleven Region, 17.XII.1995, B. Petrov leg. 1 specimen.
Cave No. 3218, Dodalitza 2, Thairdere, Trigrad Region in Rhodopi Mts, 30.XI.1995, B. Petrov leg. 1 specimen.
Gallery near to Melnik Town, Sandanski Region, SW Bulgaria, 21.X.1995, S. Beshkov & V. Gashtarov leg. 7 specimens.

*Nymphalis polychloros* (Linnaeus, 1758)
Trogloxen.
“Aramiska Dupka” Cave near to Levunovo Village, Petrich Region, SW Bulgaria, 05.XII.1994, V. Gashtarov leg., two specimens.
“Aramiska Dupka” Cave near to Levunovo Village, Petrich Region, SW Bulgaria, I.1996, V. Gashtarov leg., 1 male specimen.
The species has never been reported from the caves and galleries in Bulgaria.

*Aglais urticae* (Linnaeus, 1758)
Trogloxen.
“Golyamata Kauna” Cave near to Zabardo Village, West Rhodopi Mts, 1250 m, 25.XI.1993, Vl. Beshkov observed 1 specimen.
The species has never been reported for the fauna of the caves and galleries in Bulgaria.

Family Saturniidae

*Saturnia spini* ([Denis & Schiffermüller], 1775)
Trogloxen (Guéorguiev & Beron, 1962; Beron, 1994).
Reported from:
“Doupkite” Cave near to Tchepelare Town, 1150 m, Smolyan Region, West Rhodopi Mts, (Radev, 1928, Guéorguiev & Beron, 1962).
In Radev (1928: 129) the species is mentioned only with the Bulgarian name “Malkoto Pau­novo Oko” without any scientific name. Following this report, Guéorguiev & Beron (1962: 334) without any explanation reported the species as *Saturnia spini*. We consider that this species has to be *Saturnia pavonia* (Linnaeus, 1758) for the reason that the Bulgarian name in Radev (1928) corresponds to this species and the day of the collecting (30.VI.1924) and altitude (1150 m) are more suitable for *Saturnia pavonia* L. But it is more possible the spec­cimen to belong to *Inachis io* (L.) as well as.
Family Geometridae

*Xanthorhoe fluctuata* (Linnaeus, 1758)
Trogloxen.

Gallery above Gorna Byala Rechka Village, Vrachanska Stara Planina Mts, 800 m, 05.VI.1994, B. Petrov and P. Stoev leg. 1 male specimen (Beshkov, 1995).

*Nebula nebulata* (Treitschke, 1828)
Trogloxen.

“Gininata Peshtera” Cave near to Sadovetz Village, Pleven Region, 09.VII.1990, 1 male specimen (Gen. prep. Beschkov, 2./23.IV.1993) – on a dusk wall at approximately 10–12 m depth.

New species for the cave fauna of Bulgaria.

*Triphosa sabaudiata* (Duponchel, 1830)
Trogloxen (Gueorgiev & Beron, 1962). According to (Beron, 1972; Beron, 1975; Beron, 1994) this species is a subtroglophil. We also consider this species as a subtroglophil.

“Haidushkata Peshtera” Cave near to Devintzi Village, Pleven Region, 08.VII.1990; Cave “14” near to “Prohodna” Cave, Karloukovo district, 23.X.1993, B. Petrov leg.

“Morovitza” Cave near to Glozhene Village, Teteven Region, 900–1000 m, between 50–100 m from entrance, 01.XI.1993, one male specimen, B. Petrov leg.

“Sounata Peshtera” Cave near to Velingrad Town, West Rhodopi Mts, 25.XI.1993, one specimen, B. Petrov and P. Stoev observed.

“Gorna Karanska Doupka” Cave near to Yagodina Village, West Rhodopi Mts, 26.XI.1993, 3 specimens, Vl. Beshkov observed.


“Mechata Doupka” Cave near to Bov Railway Station in the Iskar Gorge, 30.I.1994, B. Petrov & P. Stoev collected 1 male specimen.

“Kolibata” Cave near to Beledie Han Village, Kostinbrod Region, 02.III.1994, B. Petrov leg. one male specimen; 20.XI.1994, B. Petrov leg. one male specimen;

“Dinevata Pesht” Cave, near to Gintzi Village, West Stara Planina Mts, 05.XI.1994, about 30 specimens observed, Vl. Beshkov; 25.XI.1994 the same quantity, Vl. Beshkov observed.

The Cave near to Philipovtsi Village, Tran Region, 12.XI.1994, approximately 30 specimens, Vl. Beshkov observed;

“Vodnata” gallery by Siristna Reka River in the region between Iskretzki Sanatorium and Mecha Polyana 800 m, Svoge Region, 02.I.1995, Vl. Beshkov and P. Beron observed 15–20 specimens at a depth 20 to 50 m

“Svinskata Doupka” Cave near to Lakatnik Railway Station, 27.XI.1994, 2 specimens, B. Petrov leg.


Gallery by Siristna Reka River in the region between Iskretzki Sanatorium and Mecha Polyana 700 m, Svoge Region, 25.XI.1995, Vl. Beshkov leg. 10 specimens.

Reported from:
“Kuminceto” ("Propastite") Cave near to Ganchevtzi Village, Trjavna District (Buresch, 1924; Buresch & Tuleschkow, 1936; Guéorguiev & Beron, 1962).

“Venetzo 1-Gornjata” Cave near to Tcheliustnitza Village, Michailovgrad Region (Beron, 1972; Beron, 1975).

“Stanishina Doupka” Cave near to Repljana Village, Vidin Region (Beron, 1972; Beron, 1975).

“Goljamata Doupka” Cave near to Repljana Village, Vidin Region (Beron, 1972; Beron, 1975).

“Doupkata v Presecheno” Cave near to Repljana Village (Beron, 1972; Beron, 1975).

The Caves near to Beledie Han Village, West of Sofia, Kostinbrod Region (Buresch & Tuleschkow, 1936).

“Temnata Doupka” Cave near to Lakatnik Railway Station in the Iskar Gorge (Buresch, 1926; Buresch, 1934; Buresch & Tuleschkow, 1936; Guéorguiev & Beron, 1962; Skalski, 1972; Beron, 1975).

“Zadanenka” Cave near to Karlukovo Village, Iskar Gorge (Buresch & Tuleschkow, 1936), (Guéorguiev & Beron, 1962; Beron, 1975).

“Marina Doupka” Cave near to Breze Village, Svoge District, West Stara Planina Mts, (Buresch & Tuleschkow, 1936; Guéorguiev & Beron, 1962; Beron, 1975).

“Razhishkata” ("Souhata") Doupka" Cave, near to Lakatnik Railway Station in the Iskar Gorge (Buresch & Tuleschkow, 1936; Guéorguiev & Beron, 1962; Beron, 1975).

“Vodnata Doupka” Cave near to Tzerovo Village, Iskar Gorge (Buresch & Tuleschkow, 1936; Guéorguiev & Beron, 1962; Beron, 1975).

“Vodni Pech" ("Pechova Doupka") Cave near to Oreshetz Railway Station, Vidin Region (Buresch & Tuleschkow, 1936; Guéorguiev & Beron, 1962; Beron, 1975).

“Douhlata” Cave near to Bosnek Village, Pernik Region (Guéorguiev & Beron, 1962).

Triphosa dubitata (Linnaeus, 1758)
Trogloxen (Guéorguiev & Beron, 1962); Subtroglophil (Beron, 1972; Beron, 1975; Beron, 1994). We consider this species as a subtroglophil.

Cave near to Bosnek Village, Vitosha Mts, 18.VII.1989, E. Naneva leg.

“Haidoushkata Peshtera” Cave near to Devintzi Village, Pleven Region, 08.VII.1990.

“Han Maara” Cave, Central Stara Planina Mts, near to “Ray” chalet, in altitude 1500 m, 08.XII. 1992, B. Petrov leg.;

Gallery “Ourvich” near to Pancharevo Village, Iskar Valley, Sofia Region, 17.X.1993, B. Petrov leg.;

“Morovitza” Cave near to Glozhene Village, Teteven Region, 900–1000 m, between 50–100 m from entrance, 01.XI.1993, one female specimen, B. Petrov leg.;

“Doupcheto” Cave near to “Lepenitza” Pit, 16 km from Velingrad Town, West Rhodopi Mts, 25.XI. 1993, one specimen, B. Petrov and P. Stoev observed.


“Dinevata Pesht” Cave near to Gintzi Village, West Stara Planina Mts, 05.XI.1995, 4 specimens, Vl. Beshkov observed; Idem, 25.XI.1994 the same quantity, Vl. Beshkov observed.

Gallery near to Rila Town, 600 m alt., 11.II.1995, Vl. Beshkov observed three specimens.

Gallery above Gorna Byala Rechka Village, Vrachanska Stara Planina Mts, 520 m, 24.XI.1995, Vl. Beshkov leg. 2 specimens.

Gallery by Siristna Reka River in the region between Iskretzki Sanatorium and Mecha Polyana 700 m, Svoge Region, 25.XI.1995, Vl. Beshkov leg. 3 specimens.

Gininata Pesteria Cave near to Sadovetz Village, Pleven Region, 17.XII.1995, B. Petrov leg. 1 female specimen.

Cave No. 3218, Dodalitza 2, Thairdere, Trigrad Region in Rhodopi Mts, 30.XI.1995, B. Petrov leg. 1 female specimen.

Reported from:
“Razhishkata ("Souhata") Doupka" Cave, near to Lakatnik Railway Station in the Iskar Gorge, 21.XI.1924 two specimens (leg. and det. Buresch) (Guéorguiev & Beron, 1962).
“Temnata Doupka” Cave near to Lakatnik Railway Station in the Iskar Gorge (Slivov, 1968; Beron, 1972; Beron, 1975).
“Dryanovskata Peshtera” Cave near to Kotel Town (Buresch & Tuleschkow, 1936; Guéorguiev & Beron, 1962).
“Dalbokata Peshtera” Cave near to Kotel Town (Buresch & Tuleschkow, 1936; Guéorguiev & Beron, 1962).
“Ledenika” Cave near to Vratza Town (Buresch & Tuleschkow, 1936; Guéorguiev & Beron, 1962).

*Eupithecia undata* (Freyer, 1840)
Trogloxen ? (Guéorguiev & Beron, 1962).

Reported from:
Cave in the Karlovsky Balkan (Karlovka Stara Planina Mts) in altitude 1500–1600 m as *Tephroclystia undata* Frr. (= scriptaria Herrich-Schäffer) (Drenowski, 1930; Guéorguiev & Beron, 1962).

Family Sphingidae

*Macroglossum stelatarum* (Linnaeus, 1758)
Trogloxen.
“Kolibata” Cave near to Beledie Han Village, Kostinbrod Region, 20.XI.1994, B. Petrov leg. one male specimen.
New species for the cave fauna of Bulgaria.

Family Noctuidae

*Hypena rostralis* (Linnaeus, 1758)
Trogloxen according to Guéorguiev & Beron (1962) and Beron (1995).


Gallery near to Banichan Village, Gotze Delchev Region, 01.XI.1994, B. Petrov leg. 1 male and 1 female specimens in 8 m depth;

"Salievata Peshtera" Cave near to Gospodintzi Village, Gotze Delchev Region, Sw Bulgaria, 02.XI.1994, B. Petrov leg. one male specimen.

"Svinskata Doupka" Cave near to Lakatnik Railway Station, 27.XI.1994, 3 specimens, B. Petrov leg.


"Maarata" Cave by Madretz Village, Perperek Region, East Rhodopi Mt, 10.X.1995, B. Petrov and P. Stoev leg. 2 male specimens.

"Aramiiska Doupka" Cave near to Levunovo Village, Petrich Region, Sw Bulgaria, 1.1996, V. Gashtarov observed 2 males specimens.

Gininata Pesta Cave near to Sadovetz Village, Pleven Region, 17.XII.1995, B. Petrov leg. 1 female specimen.

Reported from:

"Kalugerova Doupka" Cave near to Tarnovo Town (Buresch & Tuleschkow, 1935; Guéorguiev & Beron, 1962).

_Hypena obesalis_ TREITSCHKE, 1829

Troglo xen.

"Imamkaya" Cave, the Region of Modar Top, 1200 m, West Rhodopi Mts, 26.IX.1994, B. Petrov observed (Beshkov, 1995).

"Modarska Peshtera" Cave, West Rhodopi Mts, the Region of Modar Top, 1300 m, West Rhodopi Mts, 26.IX.1994, B. Petrov leg. 3 males and 2 females specimens (Beshkov, 1995).

_Hypena palpalis_ (Hübner, 1796)

Troglo xen or subtroglophil.

Gallery between Madzarovo Town and Borislavtzi Village, East Rhodopi Mts, 07.VII.1992, 3 male and one female specimen at between 20–60 m depth (Gen. prep. Beshkov, 1./23.IV. 1993, male); Idem, 02.IX.1992, collected 2 female specimens in deep 20–100 m (Beshkov, 1995); Idem, 23.VII.1993, in depth between 20 to 100 m – collected 11 female and 3 male specimens (Beshkov, 1995).

"Zandana" Cave near to Ploski Village, Sandanski Region, SW Bulgaria, 02.IV.1994, B. Petrov leg. 2 females specimens;

Reported from:

"Starata" Cave near to Peshtera Town, West Rhodopi Mts (Kolev, 1993).

Reported in Kucinic (1990) for three caves in Croatia (in Velebit Mts and Dalmatia).

_Scoliopteryx libatrix_ (Linnaeus, 1758)

Troglo xen according to Guéorguiev & Beron (1962); Beron & Guéorguiev, (1967); Subtroglophil according to Beron (1972, 1975; Beron, 1994). In our opinion the species is subtroglophil.
"Stoykovitza" Cave above Goleshovo Village, 1000 m, Slavyanka (= Alibotush) Mts, SW Bulgaria, 11.III.1990, one specimen, G. STOYANOV leg.

"Starsheilitsa" Cave above Goleshovo Village, 1000–1100 m, South Pirin Mts, SW Bulgaria, 20.III.1993, one specimen;


"Haidoushkata Peshtera" Cave near to Devintzi Village, Pleven Region, 08.VII.1990;

"Souhata Pesht" Cave near to Gintzi Village, Petrochan Region, 29.XII.1985;

Gallery "Ourvich", 17.X.1993, B. PETROV leg.;

"Morovitza" Cave near to Glozhene Village, Tetevan Region, 900–1000 m, between 50–100 m from entrance, 01.XI.1993, B. PETROV leg.

"Doupcheto" Cave near to “Lepenitza” Pit, 16 km from Velingrad Town, West Rhodopi Mts, 25.XI. 1993, 2 specimens, B. PETROV and P. STOEV observed.

"Lepenitza" Cave near to Velingrad Town, West Rhodopi Mts, 25.XI.1993, about 50 specimens to 50 m depth from the entrance, B. PETROV and P. STOEV observed.

"Souhata Peshtera" Cave near to Velingrad Town, West Rhodopi Mts, 25.XI.1993, 2 specimens, B. PETROV and P. STOEV observed;

"Golyamata Kauna" Cave, near to Zabardo Village, 1250 m, West Rhodopi Mts, 25.XI.1993, VL. BESHKOV observed 11 specimens.

"Tyovnata Doupka" Cave, near to Zabardo Village, West Rhodopi Mts, 25.XI.1993, VL. BESHKOV observed 10 specimens.

"Gorna Karanska Doupka" Cave near to Yagodina Village, West Rhodopi Mts, 26.XI.1993, 15–20 specimens, VL. BESHKOV observed.

"Karna Doupka" Cave near to Yagodina Village, West Rhodopi Mts, 26.XI.1993, 3 specimens, VL. BESHKOV observed.

"Dolna Karanska Doupka" Cave near to Yagodina Village, West Rhodopi Mts, 26.XI.1993, 4 specimens, VL. BESHKOV observed.

"Zhilisteto" in “Yagodinskata Peshtera" Cave near to Yagodina Village, West Rhodopi Mts, 26.XI.1993, 3 specimens, VL. BESHKOV observed.

"Mashiva Doupka" Cave near to Yagodina Village, West Rhodopi Mts, 26.XI.1993, 15–20 specimens, VL. BESHKOV observed.

"Sanchova Doupka" Cave near to Yagodina Village, West Rhodopi Mts, 26.XI.1993, 5 specimens, VL. BESHKOV observed.

"Mechata Doupka" Cave near to Bov Railway Station in the Iskar Gorge, 30.I.1994, B. PETROV & P. STOEV observed.

Gallery above Vada Chalet, 1450 m, Rila Mt., 05.II.1994, 17 specimens between 30–65 m, collected 12 specimens, VL. BESHKOV leg.

Gallery above Gorna Byala Rechka Village, Vrachanska Stara Planina Mts, 800 m, 05.VI. 1994, B. PETROV and P. STOEV leg.;

"Imamkaya" Cave, the Region of Modar Top, 1200 m, West Rhodopi Mts, 26.IX.1994, B. PETROV observed many specimens;

"Modarska Peshtera" Cave, the Region of Modar Top, 1300 m, West Rhodopi Mts, 26.IX. 1994, B. PETROV observed many specimens;

"Dinevata Pesht" Cave near to Gintzi Village, West Stara Planina Mts, 05.XI.1994, 3 specimens, VL. BESHKOV observed; 25.XI.1994, 25–30 specimens, VL. BESHKOV observed at a
depth between 20–40 m. It seems that during XI, (05.–25.) they came for overwintering into
the cave.
Gallery near to Banichan Village, Gotze Delchev Region, 01.XI.1994, B. PETROV leg. 1 male
and 1 female specimens at 8 m depth.
Galleries by Siristna Reka River in the region between Iskretzki Sanatorium and Mecha
Polyana 800 m, Svoge Region, West Stara Planina Mts, 02.I.1995, Vl. BESHKOV and P. BERON
observed 4–5 specimens at a depth of 24 to 40 m
Gallery by Stara Kresna Railway Station, Kresna Gorge, SW Bulgaria, at the winter of 1992,
single specimen, V. GASHTAROV observed.
Gallery near to Batulia Village, Iskar Gorge, 12.I.1992, at a depth of 30 m 35–40 specimens
on 1 m², observed by Vl. BESHKOV.
Galleries between Passareli Village and “Ourvich”, Iskar Valley, 18.I.1991, Vl. BESHKOV ob-
served a single specimen.
Galleries under Izdremetz Top, 1430 m alt., 10.XI.1991 and 03.XII.1991, Vl. BESHKOV and
P. BERON observed many specimens.
“Razklonena Peshtera” Cave (Gugini) between Koulich and Oreshari Villages, Arda valley,
East Rhodopi Mts. 03.IV.1992.
Gallery near to Rila Town, 600 m alt., 11.II.1995, Vl. BESHKOV observed single specimen.
Gallery near to Eleshnitza, Rila Mts, 900 m alt., 11.II.1995, Vl. BESHKOV observed a single
specimen.
The gallery above Kirilova (Partizanska) Polyana in Rila Mts, 1600 m alt., 11.II.1995, Vl.
BESHKOV observed six specimens.
Small cave on Tchairdere River, Trigrad Region in West Rhodopi Mt, 960 m alt., 19.VIII.1995,
S. BESHKOV leg. single specimen.
“Maarata” cave by Madretz Village, Perperek Region, East Rhodopi Mt, 10.X.1995, B. PE-
TROV and P. STOEV leg. 2 specimens.
“Samara” Cave near to Ribino Village, East Rhodopi Mt, 11.X.1995, B. PETROV and P. STOEV
leg. 20 specimens.
Gallery above Gorna Byala Rechka Village, Vrachanska Stara Planina Mts, 520 m alt., 24.XI.
1995, Vl. BESHKOV leg. 1 specimen.
“Izdremetz” Pit near to Lakatnik Village, 14.I.1996, D. KOZHUHAROV leg. 1 male specimen
100–150 m from the entrance.
Gininata Pestera Cave near to Sadovetz Village, Pleven Region, 17.XII.1995, B. PETROV leg.
2 specimens.
Cave No. 3218, Dodalitza 2, Thairdere, Trigrad Region in Rhodopi Mts, 30.XI.1995, B. PETROV
leg. 5 specimens.
Reported from:
“Samuilitza” Cave near to Kunino, Iskar Gorge (BURESCH, 1924; BERON, 1975; GUÉORGUIEV &
BERON, 1962).
“Haidoushkata Peshtera” Cave near to Karlukovo, Iskar Gorge (BURESCH, 1934; BERON, 1975;
“Zadanenka” Cave near to Karlukovo, Iskar Gorge (BURESCH, 1939; BERON, 1975; GUÉOR-
“Mechata Doupka” Cave near to Zhelen Village, Iskar Gorge, one specimen (leg. PETKova,
“Temnata Doupka” Cave near to Lakatnik Railway Station, Iskar Gorge (SLIVOV, 1968; BERON, 1972; BERON, 1975).

“Vodnata Doupka” Cave near to Dolno Ozirovo Village, Michailovgrad Region (BERON, 1972; BERON, 1975).

“Stanishina Doupka” Cave near to Replyana Village, Vidin Region (BERON, 1972; BERON, 1975).

“Doupkite” Cave near to Byalo Pole Village, Vidin Region (BERON, 1972; BERON, 1975).

“Zmeyovi Doupki” Cave near to Hitrevci Village, Tryavna District (BURESCH, 1924; GUÉORGUIEV & BERON, 1962).


*Calocala elocata* (ESPER, [1787])

Trogloxen (GUÉORGUIEV & BERON, 1962; BERON, 1994).

Reported from:

“Troshana” Cave near to Tarnovo Town (TULESKHOW, 1930; GUÉORGUIEV & BERON, 1962).

Cave above Preobrazhenski Manastir Monastery near to Tarnovo Town (TULESKHOW, 1930; GUÉORGUIEV & BERON, 1962).

*Apostes spectrum* (ESPER, [1787])

Trogloxen (GUÉORGUIEV & BERON, 1962; BERON, 1994). We consider this species as a subtro-glophil.

Gallery near to Melnik Town, Sandanski Region, SW Bulgaria, 02.-03.II.1990, three specimens two of them copulated.


“Aramiiska Doupka” Cave near to Levunovo Village, Petrich Region, SW Bulgaria, 1.1996, V. GASHTAROV leg. 2 males and observed a wings from a third specimen.

Reported from:

“Troshana” Cave near to Tarnovo Town (TULESKHOW, 1930; BURESCH & TULESKHOW, 1935; GUÉORGUIEV & BERON, 1962).

“Kalugerova Doupka” Cave near to Arbanassi Village, Tarnovo Region (BURESCH & TULESKHOW, 1935; GUÉORGUIEV & BERON, 1962).

“Golemata Peshtera” Cave near to Tarnovo Town (BURESCH & TULESKHOW, 1935; GUÉORGUIEV & BERON, 1962).

*Autophila dilucida* (HÜBNER, [1808])

Trogloxen (GUÉORGUIEV & BERON, 1962; BERON, 1994); Subtro-glophil (BERON, 1975). We also consider this species as a subtroglophil.

“Gininata Peshtera” Cave near to Sadovetz Village, Pleven Region, 09.VII.1990 1 male (Gen. prep. Beschkov, 3./22.IV.1993); Idem, 17.XII.1995, B. PETROV leg. 1 male specimen, Gen. det. BESHKOV.
Cave "in Zadanen Dol", Karlukev Region, Iskar Gorge, 24.X.1993, B. PETROV leg., Gen. prep. 1./15.XI.1994, BESHKOV.

"Uske" Cave near to Chetirtzi Village, Kyustendil Region, W. Bulgaria, 03.III.1994, B. PETROV leg. one male specimen, Gen. prep. 1./26.III.1994, BESHKOV.

"Salieva Peshtera" Cave near to Gospodintzi Village, Gotze Delchev Region, SW Bulgaria, 02.XI.1994, B. PETROV leg. 2 females specimens, Gen. preps. 1./16.XI.1994; 3./16.XI.1994 BESHKOV.

"Aramiiska Doupka" Cave near to Levunovo Village, Petrich Region, SW Bulgaria, 05.XII. 1994 and 09.XII.1994, V. GASHTAROV collected more than 60 specimens, determining them by taking into account their genitalia; Idem, I.1996, V. GASHTAROV observed many specimens, almost all of them in copula, and collected 9 males and 7 females.

Reported from:
Caves near to Lakatnik Railway Station in the Iskar Gorge (BURESCH & TULESCHKOW, 1935).

Autophilia limbata (STAUDINGER, 1871)
According to BERON (1972, 1975, 1995) this species is trogloxen. We consider this species as a subtroglophil.

Gallery between Madjarovo Town and Borislavtzi Village, East Rhodopi Mts, 17.X.1991, one female specimen (Gen. prep. BESHKOV, 4./22.IV.1993).

"Zandana" Cave near to Ploski Village, Sandanski Region, SW Bulgaria, 02.IV.1994, B. PETROV leg. one male (Gen. prep. 3./23.XI.1994, BESHKOV) and one female (Gen. prep. 2./23.XI.1994, BESHKOV) specimens.

"Samara" Cave near to Ribino Village, East Rhodopi Mt, 11.X.1995, B. PETROV and P. STOEV leg. 1 male specimen, (Gen. det. BESHKOV).

Reported from:
The Cave near to Stanke Lisichkovo, Blagoevgrad Region, leg. P. BERON (GANEV, 1985).
"Temnata Doupka" Cave near to Lakatnik Railway Station, Iskar Gorge (SKALSKI, 1972; BERON, 1972; BERON, 1975).

Autophilia ligaminosa (EVERSMANN, 1851)
Trogloxen (BERON, 1994). We consider the species as subtroglophil.

"Aramiiska Doupka" Cave near to Levunovo Village, Petrich Region, SW Bulgaria, 05.XII.1994, V. GASHTAROV leg. single specimen.


SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, in the gallery under the Railway Station, 25.VIII.1995, I. STOYCHEV leg. single specimen.

Reported from:
Gallery near to Melnik Town, Sandanski Region, Sw Bulgaria (BESHKOW, 1992).


Gallery by Stara Kresna Railway Station in Kresna Gorge, SW Bulgaria – IX–X (BESHKOW, 1992), 1 female specimen.

“Peshterata” Cave near to Belovo Railway Station, Pazardzhik Region under the name “Apopestes cataphanes Hb.” (BURESCH & TULESKHLOW, 1935). GUÉORGUIE & BERON (1962) following this data reported the same name from the same locality as trogloben. According to HACKER (1990), Autophila cataphanes (HÜBNER, [1809–1813]) is "An Atlanto-Mediterranean species neither inhabiting the Balkans nor the Near East. This name is often given to other species of this group in older literature" We have also never seen this species in Bulgaria, and believe that under this name the authors, mentioned above, had recognised two other species: Autophila anaphanes BOURSN, 1940 or Autophila ligaminosa Ev. As we have never seen Autophila anaphanes BRSN. in Bulgaria, we doubt that it is present in Bulgaria. Autophila ligaminosa Ev. is one very local, but is not a very rare species. For this reason, we think that all previous reports regarding “Apopestes cataphanes Hb." should be recognized as Autophila ligaminosa Ev.

Pyrois effusa (BOISDUVAL, [1828])
Trogluben.

Gallery between Madzharovo Town and Borislavtzi Village, East Rhodopi Mts, 150 m, 02.IX. 1992, 8–10 specimens in deep between 20–100 m, collected 3 female and 4 male specimens (BESHKOV, 1995); Idem, 20.VI.1993, one female on a deep 40–60 m (BESHKOV, 1995); 23.VII.1993, 5 specimens. Reported from the three caves in Croatia (Dalmatia) (KUCNIC, 1990).

Mormo maura (LINNAEUS, 1758)
Trogluben (GUÉORGUIE & BERON, 1962; BERON, 1994).
Reported from:
“Golema Podlisca” Cave near to Tarnovo Town (BURESCH & TULESKHLOW, 1932; GUÉORGUIE & BERON, 1962).

Dasypolia templi (THUNBERG, 1792)
Trogluben.

“Morovitza” Cave near to Glozhene Village, Teteven Region, 900–1000 m, between 50–100 m from entrance, 01.XI.1993, B. PETROV observed one alive specimen. Not collected, but the description corresponds well to the species, and according PETROV it is the same species as the collected forewing (one forewing of Dasypolia templi, probably eaten by bat) he had found in the Cave and it is kept in the collection of BESHKOV.

New species for the caves of Bulgaria.

Rhyacia simulans (HUFNAGEL, 1766)
Trogluben.
“Gininata Peshtera” Cave near to Sadovetz Village, Pleven Region, 09.VII.1990 one male specimen in 20–30 m deep, Gen. prep. 3./25.X.1994, BESHKOV (BESHKOV, 1995).

“Katakombite” Gallery near to Aladja Manastir, Black-Sea Coast, 17.VIII.1992., P. Mitov leg. one female specimen.

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