
Abbreviations

BMNH The Natural History Museum, London
ITZA Instituut voor Taxonomische Zoologie, Universiteit van Amsterdam
MHNP Muséum National d’Histoire Naturelle, Paris
MZSF Museo Zoologico de la Specola, Firenze
NHMW Naturhistorisches Museum, Wien
NMNH National Museum of Natural History, Sofia
ZMHB Museum für Naturkunde der Humboldt-Universität zu Berlin

Acknowledgments

First of all, I must acknowledge, with grateful thanks, the Improving Human Potential (IHP) Programme of the European Union for providing the necessary funding for this project thus enabling it to be undertaken.

I would like to thank Miss Lyanne Houseago, Research and Consulting Office, The Natural History Museum, London for the invaluable help on administrative matters.

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certain specimens of Higgins' collection. Mrs Kim Goodger was really very kind to forward all the messages designed for me.

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I must record my special gratitude to Dr Harish Gaonkar, Copenhagen for sharing impressions and for fascinating discussions concerning butterflies, types, nomenclature.

I am very obliged to Dr Ulf Eitschberger, Marktleuthen who kindly assisted with literature and for the publication of this lengthy paper.

I thank Dr Zsolt Bálint, Hungarian Natural History Museum, Budapest, for his invaluable help on certain Lycaenid taxa and comments concerning Freyer's types. I thank Dr P. Sigbert Wagener, Oberhausen and Mr Harry van Oorschot, Amsterdam for their valuable comments on certain taxa. I would like to thank Dr Andrew Wakeham-Dawson, International Commission on Zoological Nomenclature, London for his valuable comments of nomenclatural matter.

And finally, I am deeply indebted to my wife Ekaterina Abadjieva for the linguistic corrections.

Introduction

Taxonomic studies of any group of animals (including Lepidoptera) are very important and serve as a basis for future investigations. Of special importance in any taxonomic study is the good knowledge on the type material of the taxa applied. As far as name-bearing types (holotypes, syntypes) serve as a standard of nominal species group taxa, it is important to know all the data which can help in their subsequent recognition (including labels descriptions), and publishing lists of such types housed at certain institutions is even recommended (ICZN, 1999: 72F.4).
The Natural History Museum, London is well known as a depository of the largest and most important collection of type material of World Lepidoptera, including 125 000 types, and more than 40% primary type representation (Ackery, 1999: 2). The present building (Fig. 1) was fully occupied in 1954 (Ackery, 1999: 5). Here the butterfly collection occupies several floors and is usually housed in standard 20-drawer cabinets (Main Collection) and units of a 40-drawer cabinet as a base with a 26-drawer cabinet placed above (Rothschild Collection) (Fig. 2), on the Basement Floor alongside the useful “butterfly” library (Fig. 3). At the moment traditional card-indexes down to infra-subspecific level are used to facilitate taxon-level access to the Lepidoptera collection. Species-level/infra-subspecific electronic indexing is underway with end-date of 2003, but specimen-level databasing is never likely to happen as a routine task, even in such a special area as the type material (Ackery, 1999: 2). Lists of type material housed at the BMNH have been already published for certain groups of butterflies, eg for Heliconiinae (Ackery & Smiles, 1976), Parnassius (Ackery, 1973), Polyommatus (Bálint, 1999), forming just a minor part of the museum holdings.

A task of compiling lists of type material of the Balkan butterflies is underway now. Such a list has been already published for the collection of the Institute of Zoology, Sofia (cf Abadjiev, 2001a). As far as the collection of The Natural History Museum, London, is concerned, type material (partially) for some taxa, described from Bulgaria has been published (illustrated in colour) (cf Abadjiev, 1993, 1995). In one particular case, due to the instability of nomenclature, it was found necessary to designate a lectotype (Abadjiev, 2000). In another case part of the type material was previously unknown (not mentioned in the original description), eg Erebia orientalis (Abadjiev, in print). It is necessary to mention that in both cases, stated above, the exact type localities of the taxa have been fixed. For the purpose of the current work the study area has been expanded outside the geographical boundaries of the Balkan Peninsula and includes all the territory of former Yugoslavia and the Greek islands.

This publication is a result of my research visit to The Natural History Museum, London during 12.XI.-14.XII.2001. During this period each (examined) specimen was supplied with individual number and electronically indexed.
Table 1: Authors and number of taxa described (number of specimens in brackets; (1) is Hesperioidea, (2) – Papilionoidea, (3) – Pieridae, (4) – Lycaenidae, and (5) – Nymphalidae).

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Total 1 (4) 17 (58) 4 (23) 12 (75) 36 (103) 70 (263)

A revision of the butterfly collection of The Natural History Museum, London allowed to find type material of 70 nominal species group taxa (263 specimens) of Hesperioidea and Papilionoidea described from the Balkan Peninsula. The collection contains type material of taxa described by 25 authors (see Table 1) and is especially rich in Hans Frühstorfer’s material (35, a half of the taxa located). It also contains a valuable material of taxa described by Felix Bryk, Henry John Elwes, Christian Friedrich Freyer, Lionel George Higgins, Roger Verity and Brisbane Charles Somerville Warren. As it was already mentioned (Vane-Wright & Ackery, 1981: 2–3) the evaluation of Warren’s type material with respect to the status of individual specimens is very difficult. Although most series of his own taxa include a labelled “holotype”, often an “allotype” and “paratypes”, in a majority of cases no indication of a selected holotype is given in the original description and these type series are regarded as syntypic.

The species group taxa names are arranged in systematic order. Each entry includes the species group name, followed by the original combination quoted from the original publication, type locality (containing a quotation from the original publication or subsequent fixation due to lectotype designation), type specimens as specified with their labels and notes about the type material and current taxonomic status. All extensions of abbreviations or remarks used are enclosed in square brackets “[ ]”.

The text of the label is quoted in double quotation marks (to assist better recognition, each label is provided with characteristics of the paper). Each line in the text of the label is separated by a vertical line “|” In quotations of combined labels (handwritten on printed forms) the handwritten text is reproduced in italics; completely handwritten and completely printed labels are quoted in a plain character face.
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HESPERIOIDEA

HESPERIIDAE

Pyrgus Hübner, [1819]

P. serratulæ (Rambur, [1839])

balcanica Warren, 1926

"Hesperia serratulæ, Rambur s-sp. balcanica, nov. (? race)" Warren, B. C. S., 1926 (Monograph of the tribe Hesperiidi... - Trans. ent. Soc. Lond. 74 (XI.1926): 97). Type locality: [Yugoslavia]: "Montenegro in the neighbourhood of Cetinje" (l.c.: 98).

Syntypes 2 ♂♂, 2 ♀♀ with labels:

[1 ♂] (1) printed with handwritten inscriptions [here italicised] (on white paper) "Cetinje, | Montenegro, | 8 June, 1912. | A. E. Gibbs.\*; (2) printed (on orange paper) "HOLOTYPE."; (3) printed with handwritten inscriptions [here italicized] (on light yellow-gray paper) "Photograph. | Trans. Ent. Soc. | Lond. 1926. | PI: 29, Fig: 7&9."; (4) printed (on white paper) "BMNH(E) # 662222."


[3 ♀] (1) printed with handwritten inscriptions [here italicized] (on white paper) "Cetinje, | Montenegro, | 8 June, 1912. | A. E. Gibbs.\*; (2) printed (on orange paper) "ALLOTYPE."; (3) printed with handwritten inscriptions [here italicized] (on light yellow-gray paper) "Photograph. | Trans. Ent. Soc. | Lond. 1926. | PI: 29, Fig: 11."; (4) printed (on white paper) "BMNH(E) # 662224."

[4 ♀] (1) printed with handwritten inscriptions [here italicized] (on white paper) "Cetinje, | Montenegro, | 10 June, 1912. | A. E. Gibbs.\*; (2) printed with handwritten inscriptions [here italicized] (on light yellow-gray paper) "Photograph. | Trans. Ent. Soc. | Lond. 1926. | PI: 29, Fig: 10&12."; (3) printed (on white paper) "BMNH(E) # 662225."

Syntypes 2 and 4 with additional printed (on light yellow paper) "PARATYPE."; all the syntypes with additional (1) printed with handwritten inscriptions [here italicized] (on white paper) "Hesperia serratulæ | balcanica Warren | det. R.I.Vane-Wright, 1979. | ♂♀ [♀ respectively] SYNTYPE."; and (2) printed (on white paper) "B.C.S. Warren | Bequest | B.M. 1979–101".

This taxon was originally described and subsequently treated (De Jong, 1972: 70–71; Hesselbarth, van Oorschot & Wagener, 1995: 229) as a different subspecies, endemic for the Balkan Peninsula. The originally mentioned type material consisted of 2 ♂♂ and 3 ♀♀ (Warren, 1926: 98). Syntypes listed by Vane-Wright & Ackery (1981: 112).
PAPILIONOIDEA

PAPILIONIDAE

Zerynthia Ochsenheimer, 1816

Z. cerisy (GODART, [1824])

martini FRUHSTORFER, 1906


Syntype ♂ with labels:
(1) printed (on red paper) "Type"; (2) handwritten (on white paper) "Rhodos | 29.3.05"; (3) handwritten (on white paper with black frame) "cerisy | martini | Fruhst."; (4) printed (on white paper) "Fruhstorfer Coll. | B.M. 1937-285"; (5) printed (on white paper) "BMNH(E) # 662001"; (6) printed with handwritten inscriptions [here italicized] (on red paper), double framed "SYNTYPE ♂ | Thais cerisy | martini | [line] | Dr S. Abadjiev det. 2001."


Archon HÜBNER, 1822

A. apollinus (HERBST, 1798)

thracica BURESCH, 1915


Syntypes ♂♀ with labels:
[1 ♂] (1) handwritten (on white paper, double framed) [italicized text in Cyrillic] "Kuru-Dag | (Y. Is. Trak). Ex larva | 12.V.1913–25.II.914."; (2) printed (on white paper) "BMNH(E) # 662014";
[2 ♀] printed (on white paper) "BMNH(E) # 662015";
- Both the syntypes with (1) printed with handwritten inscriptions [here italicized] (on white paper), double framed "KURU DAGH | W. of | Rodosto. | to P. P. Graves. | from Dr. Buresch | 1913"; (2) printed (on red paper) "Topotype"; (3) printed (on white paper) "Spec. exam. | C. Eisner"; (4) printed with handwritten inscriptions [here italicized] (on red paper), double framed "SYNTYPE ♂ [♀ respectively] | Doritis apollinus | thracica | [line] | Dr S. Abadjiev det. 2001."

Type material originally not stated; in BURESCH's previous publication (1915a) from about 80 larvae collected (l.c.: 17) 26 ♂♂ and 24 ♀♀ are mentioned as reared successfully (l.c.: 26). Treated as a junior subjective synonym of Papilio apollinus apollinus HERBST, 1798 (DE FREINA, 1985: 126).
Parnassius Latreille, 1804

P. mnemosyne (Linnaeus, 1758)

leonhardiana Fruhstorfer, 1917


Syntypes 3 ♂♂, 1 ♀ with labels:
[1 ♂] (1) circle printed (on white paper with red frame) "Type"; (2) printed (on red paper) "Type"; (3) handwritten (on white paper with black frame) "mnemosyne | leonhardiana | Frhstr."; (4) printed with handwritten inscriptions [here italicized] (on white paper) "♂ Holotype | B.M. TYPE | No.Rh. 18322 | Parnassius | mnemosyne | leonhardiana | Fruh."; (5) printed (on white paper) "BMNH(E) # 662008";
[2 ♂] (1) printed (on white paper) "Spec. exam. | C. Eisner"; (2) printed (on white paper) "BMNH(E) # 662009";
[3 ♂] (1) printed (on red paper) "Paratypus"; (2) handwritten (on white paper) "ex c. | Leonhard"; (3) printed (on white paper) "leonhardiana | Fruhst."; (4) printed (on white paper) "Rothschild | Bequest | B. M. 1939-1."; (5) printed (on white paper) "BMNH(E) # 662010";
[4 ♀] (1) printed (on white paper with black frame) "Erwähnt. Bryk"; (2) printed (on pink paper with black frame) "Cotypus"; (3) printed (on white paper) "R.E.Ellison coll. | B.M. 1960-550"; (4) printed (on white paper) "BMNH(E) # 662011";

dejotarus Fruhstorfer, 1917


Syntypes 2 ♂♂, 1 ♀ with labels:
[1 ♂] (1) handprinted (on white paper), framed "dejotarus | Fruhst"; (2) printed with handwritten inscriptions [here italicized] (on white paper) "♂ Holotype | B.M. TYPE | No.Rh. 18323 | Parnassius | mnemosyne | dejotarus | Fruh."; (3) printed (on white paper) "Illustrated in | Abadjiev, S. 1993 | Butterflies of Bulgaria | Part 2: Pl. 16: Figs 4–6"; (4) printed (on white paper) "BMNH(E) # 662002";
[2 ♂] (1) printed (on white paper) "mn. dejotarus"; (2) printed (on white paper), framed "Coll. Eisner | Berlin"; (3) printed (on white paper) "Rothschild | Bequest | B. M. 1939-1."; (4) printed (on white paper) "Spec. exam. | C.Eisner"; (5) printed (on white paper) "BMNH(E) # 662003";
[3 ♀] (1) printed with handwritten inscriptions [here italicized] (on white paper) "Bulg. | Fruhstorfer | [line]"; (2) circle printed (on white paper with red frame) "Type"; (3) printed with handwritten inscriptions [here italicized] (on white paper) "♀ Allotype | B.M. TYPE | No.Rh. 18324 | Parnassius | mnemosyne | dejotaurus | Fruh."; (4) printed (on red paper) "Type"; (5) printed (on white paper) "BMNH(E) # 662004";

Type material originally not stated. Not listed by ACKERY (1973). Treated as a different subspecies (BRYK, 1935: 84).
dejotaurus | Fruhstorfer. | det. P. Ackery, 1991.; 1 and 3 with printed (on white paper) “Fruhstorfer Coll. | B. M. 1937-285”; all with circle printed (on white paper with blue frame) "SYN.- | TYPE”

Type material originally not stated. The first 2 syntypes were mentioned by ACKERY (1973: 12) and ABADJIEV (1992: 25); the first illustrated in colour by ABADJIEV (1993: 126; Pl. XVI: Figs 4–6). A junior subjective synonym of *Parnassius mnemosyne caucasia* VERITY, [1911] (Rhopalocera Palaearctica...: 320 (1.1911); Pl. LXXII (X.1911): Fig. 33), syn. nov. The names “dejotaurus” BRYK (1921: 113, 115), repeated by ACKERY (1973: 12) and “dejoratus’ KUDRNA (1985: 22, 48) are incorrect subsequent spellings, unavailable names.

**bosniacus** ROTHSCILD, 1918


Syntypes 16 ♂♂; 7 ♀♀ with labels:

[1 ♂] (1) circle printed (on white paper with red frame) “Type”; (2) handwritten (on white paper) “Parnassius | mnemosyne | bosniacus | Type Rothsch.”; (3) printed with handwritten inscriptions [here italicized] (on white paper) “♂ Holotype | B.M. TYPE | No.Rh. 18456 | Parnassius | mnemosyne | bosniacus | Rothsch.”; (4) printed (on white paper) “BMNH(E) # 662012”;

[2 ♂] (1) printed with handwritten inscriptions [here italicized] (on white paper) “♂ Paratype | B.M. TYPE | No.Rh. 18457 | Parnassius | mnemosyne | balcanicus | Rothsch.”; (2) printed (on white paper) “BMNH(E) # 662038”;

[3 ♂] (1) printed with handwritten inscriptions [here italicized] (on white paper) “♂ Paratype | B.M. TYPE | No.Rh. 18458 | Parnassius | mnemosyne | balcanicus | Rothsch.”; (2) printed (on white paper) “BMNH(E) # 662039”;

[4 ♂] (1) printed with handwritten inscriptions [here italicized] (on white paper) “♂ Paratype | B.M. TYPE | No.Rh. 18459 | Parnassius | mnemosyne | balcanicus | Rothsch.”; (2) printed (on white paper) “BMNH(E) # 662040”;

[5 ♂] (1) printed with handwritten inscriptions [here italicized] (on white paper) “♂ Paratype | B.M. TYPE | No.Rh. 18470 | Parnassius | mnemosyne | balcanicus | Rothsch.”; (2) printed (on white paper) “BMNH(E) # 662041”;

[6 ♂] (1) printed with handwritten inscriptions [here italicized] (on white paper) “♂ Paratype | B.M. TYPE | No.Rh. 18469 | Parnassius | mnemosyne | balcanicus | Rothsch.”; (2) printed (on white paper) “BMNH(E) # 662042”;

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[8 ♂] (1) printed with handwritten inscriptions [here italicized] (on white paper) “♂ Paratype | B.M. TYPE | No.Rh. 18467 | Parnassius | mnemosyne | balcanicus | Rothsch.”; (2) printed (on white paper) “BMNH(E) # 662044”;

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[10 ♂] (1) printed with handwritten inscriptions [here italicized] (on white paper) “♂ Paratype | B.M. TYPE | No.Rh. 18465 | Parnassius | mnemosyne | balcanicus | Rothsch.”; (2) printed (on white paper) “BMNH(E) # 662046”;


[12 ♂] (1) printed with handwritten inscriptions [here italicized] (on white paper) “♂ Paratype | B.M.
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TYPE | No.Rh. 18463 | Parnassius | mnemosyne | balcanicus | Roths.

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14♂ (1) printed with handwritten inscriptions [here italicized] (on white paper) "♂ Paratype | B.M. TYPE | No.Rh. 18461 | Parnassius | mnemosyne | balcanicus | Roths.

15♂ (1) printed with handwritten inscriptions [here italicized] (on white paper) "♂ Paratype | B.M. TYPE | No.Rh. 18460 | Parnassius | mnemosyne | balcanicus | Roths.

16♂ (1) printed with handwritten inscriptions [here italicized] (on white paper) "♂ Paratype | B.M. TYPE | No.Rh. 18471 | Parnassius | mnemosyne | balcanicus | Roths.

17♀ (1) circle printed (on white paper with yellow frame) "Paratype | B.M.

18♀ (1) printed with handwritten inscriptions [here italicized] (on white paper) "♀ Paratype | B.M. TYPE | No.Rh. 18472 | Parnassius | mnemosyne | balcanicus | Roths.

19♀ (1) printed with handwritten inscriptions [here italicized] (on white paper) "♀ Paratype | B.M. TYPE | No.Rh. 18473 | Parnassius | mnemosyne | balcanicus | Roths.

20♀ (1) printed with handwritten inscriptions [here italicized] (on white paper) "♀ Paratype | B.M. TYPE | No.Rh. 18475 | Parnassius | mnemosyne | balcanicus | Roths.

21♀ (1) printed with handwritten inscriptions [here italicized] (on white paper) "♀ Paratype | B.M. TYPE | No.Rh. 18476 | Parnassius | mnemosyne | balcanicus | Roths.

22♀ (1) printed with handwritten inscriptions [here italicized] (on white paper) "♀ Paratype | B.M. TYPE | No.Rh. 18477 | Parnassius | mnemosyne | balcanicus | Roths.

23♀ (1) printed with handwritten inscriptions [here italicized] (on white paper) "♀ Paratype | B.M. TYPE | No.Rh. 18478 | Parnassius | mnemosyne | balcanicus | Roths.

- All syntypes with (1) printed (on white paper) "Mahnjačageb. | Bosn. 1200 m | Mitte Juli"; (2) printed (on white paper) "Rothschild | Bequest | B. M. 1939-1."; (3) circle printed (on white paper with blue frame) "SYN. | TYPE"

Syntypes listed by Ackery (1973: 10). Treated as a junior subjective synonym of Parnassius mnemosyne leonhardiana Fruhstorfer, 1917 (Bryk, 1935: 84).

balcanica Bryk & Eisner, 1930


Syntypes 1♂, 2♀ with labels:

1♂ printed (on white paper) "BMNH(E) # 662005";

2♀ printed (on white paper) "BMNH(E) # 662006";

3♀ (1) printed with handwritten inscriptions [here italicized] (on white paper) "♀ Paratype | B.M. TYPE | No.Rh. 18418 | Parnassius | mnemosyne | balcanicus | Bryk and Eisner"; (2) printed
"Parnassius mnemosyne talbothi" subsp. nova. BRYK, F., 1932a (Parnassiologische Studien aus England. - Parnassiana 2 (3) (10.VI.19132): 33). Type locality: [Croatia]: "Zara [= Zadar] (Dalmatien)" (l.c.: 33).

Syntypes 1 ♂, 2 ♀ with labels:
[1 ♂] (1) circle printed (on white paper with red frame) "Type- | Holotype"; (2) printed with handwritten inscriptions [here italicized] (on white paper) "♂ Holotype | B.M. TYPE | No.Rh. 18319 | Parnassius | mnemosyne | talbothi | BRYK."; (3) printed (on white paper) "BMNH(E) # 662020";

[2 ♀] (1) circle printed (on white paper with red frame) "Type- | Allotype"; (2) printed with handwritten inscriptions [here italicized] (on white paper) "♀ Allotype | B.M. TYPE | No.Rh. 18320 | Parnassius | mnemosyne | talbothi | BRYK."; (4) printed (on white paper) "BMNH(E) # 662021";

[3 ♀] (1) circle printed (on white paper with yellow frame) "Paratype"; (2) printed (on white paper) "Ex. Coll. | H. M. Peebles. | B.M. 1947-203."; (3) handwritten (on white paper) "Brit. Mus. | 1931-586."; (4) circle printed (on white paper with green frame) "Type- | Holotype"; (5) printed with handwritten inscriptions [here italicized] (on white paper) "♀ Holotype | B.M. TYPE | No.Rh. 18360 | Parnassius | mnemosyne | talbothi | BRYK."; (6) printed (on white paper) "BMNH(E) # 662022";

Syntypes 1 and 2 with (1) black circle; (2) printed (on white paper) "Ex. coll. | H. M. Peebles. | B.M. 1931-203."; all syntypes with (1) handwritten (on white paper) "Zara"; (2) printed (on white paper) "Ex. Coll. | H. J. Elwes, | 1920."; (3) printed (on white paper) "Ex. Coll. | Hill Museum. | 1931."


Syntypes 2 ♂♂, 1 ♀ with labels:
[1 ♂] (1) handwritten (on white paper) "Parnassus | Kruper | 1890"; (2) printed with handwritten inscriptions [here italicized] (on white paper) "♂ Paratype | B.M. TYPE | No.Rh. 18361 | Parnassius | mnemosyne | parnassia | BRYK."; (3) printed (on white paper) "BMNH(E) # 662023";

[2 ♂] (1) circle printed (on white paper with red frame) "Type"; (2) handwritten (on white paper) "1/6 60"; (3) handwritten (on white paper) "Parnass | /4 65"; (4) printed (on white paper) "Greece | Merlin Coll. | 96-275"; (5) printed with handwritten inscriptions [here italicized] (on white paper) "♂ Holotype | B.M. TYPE | No.Rh. 18360 | Parnassius | mnemosyne | parnassia | BRYK."; (6) printed (on white paper) "BMNH(E) # 662024";

[3 ♀] (1) handwritten (on white paper) "v. Athene | Graec. Parnass"; (2) printed (on white paper) "999."; (3) handwritten (on white paper) "Paratype | Parnassiana | p. 46 1932", on the back side "parnassia | type BRYK"; (4) printed (on white paper) "Rothschild | Bequest | B.M.
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1939-1.

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(b) printed with handwritten inscriptions [here italicized] (on white paper) "♀ Paratype | B.M. TYPE | No.Rh. 18359 | Parnassius | mnemosyne | parnassia | Bryk.";

(6) printed (on white paper) "BMNH(E) # 662025;

- Syntypes 1 and 3 with additional circle printed (on white paper with yellow frame) "Paratype"

Listed by ACKERY (1973: 21). This taxon was originally described and subsequently treated as a different subspecies (BRYK, 1935: 85).

_bulgariaca_ EISNER, 1936


Paralectotypes 3 ♂♂, 1 ♀ with labels:


- Paralectotypes 1 and 3 with printed (on red paper) "PARATYPE"; 2–4 with printed (on white paper) "Brit. Mus. | 1937-157"; all paralectotypes with (1) printed (on white paper) “Pisanec am Lom | N.O. Bulgarien 300 m. | V.1935 leg.Heinrich”; (2) circle printed (on white paper with yellow frame) "Para- type"; (3) circle printed (on white paper with blue frame) "PARALECTOTYPE"; (4) printed (on white paper) "Spec. exam. | C.Eisner";


_P. apollo_ (LINNAEUS, 1758)

_ottonius_ FRUHSTORFER, 1909


Syntypes ♂♂, ♀♀ with labels:

[1 ♂] printed (on white paper) “BMNH(E) # 6620233”;

[2 ♀] printed (on white paper) “BMNH(E) # 6620234”;

- Both syntypes with (1) printed with handwritten inscriptions [italicized] (on white paper), framed “Oest. Küstenland | Fužine 71906 | legit M. HIlf | Coll. O. Leonhard”;

©Entomologisches Museum Dr. Ulf Eitschberger, download unter www.zobodat.at

**jelicus** Fruhstorfer, 1921


Syntype ♂ with labels:
(1) printed with handwritten inscriptions [here italicized] (on white paper) "Serbien / Jelika Pass | Fruhstorfer"; (2) printed (on white paper), framed "jelicus | Fruhst."; (3) printed (on white paper), framed "Type"; (4) circle printed (on white paper with blue frame) "SYN- | TYPE"; (5) printed (on white paper) "Fruhstorfer Coll. | B. M. 1937-285"; (6) printed (on white paper) "BM NH(E) 1 662027"


**omotimoius** Fruhstorfer, 1921


Syntype ♀ with labels:
(1) circle printed (on white paper with blue frame) "SYN- | TYPE"; (2) printed (on white paper) "Vitosch | Juli Sofia | Bulgarien"; (3) printed (on white paper), framed "Type"; (4) printed (on white paper) "Fruhstorfer Coll. | B. M. 1937-285"; (5) handwritten (on white paper) "omotimoius | Fruhst."; (6) printed (on white paper) "BMNH(E) # 662031"


**yglanus** Fruhstorfer, 1921

*P. apollo yglanus* subspec. nova." Fruhstorfer, H., 1921 (Neue *Parnassius apollo* Rassen. - Ent. Anz. 1 (8) (10.VIII.1921): 88). Type locality: "Rila Planina, 1400 mm, Bulgarien" (l. c.: 88).

Syntype ♀ with labels:
(1) circle printed (on white paper with blue frame) "SYN- | TYPE"; (2) printed (on red paper) "Type"; (3) printed (on white paper) "♀"; (4) printed with handwritten inscriptions [here italicized] (on white paper, framed) "Rila-planina | 1400 m", on the back side "8.VIII. | 1906"; (5) printed with handwritten inscriptions [here italicized] (on white paper, framed) "Bulgarien | Al. K. Drenowski"; (6) handwritten (on white paper) "In coll. Fr. | without a name. | near omotimoius | Fr."; (7) printed (on white paper) "Fruhstorfer Coll. | B. M. 1937-285"; (8) printed (on white paper) "BMNH(E) # 662032"

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**hermiston FRUHSTORFER, 1921**

"Parnassius apollo hermiston subspec. nova." FRUHSTORFER, H., 1921 (Neue Parnassius apollo Rassen. - Ent. Anz. 1 (8) (10.VIII.1921): 89). Type locality: [Bulgaria]: "Balkan, Schipkapaß, ca. 1300 m" (l.c.: 89).

Syntype ♂ (Colour plate I: Fig. 1) with labels:

(1) printed with handwritten inscriptions [here italicized] (on white paper) "Schipka | Fruhstorfer"; (2) printed (on white paper), framed "hermiston | Fruhst."; (3) printed (on white paper), framed "Type"; (4) circle printed (on white paper with blue frame) "SYN- | TYPE"; (5) circle printed (on white paper with blue frame) "SYN- | TYPE"; (6) printed (on white paper) "Fruhstorfer Coll. | B. M. 1937-285"; (7) printed (on white paper) "SYNTYPE | Parnassius apollo | hermiston | Fruhstorfer | det. P. Ackery, 1991."; (8) printed (on white paper) "BMNH(E) # 662026"

Syntype listed by ACKERY (1973: 15) and ABADJIEV (1992: 24). This taxon is treated here as a junior subjective synonym of Parnassius apollo graecus ZIEGLER, 1901, syn. nov.

**olympiacus KOLAR & REBEL, 1934**


Syntype ♂ with labels:

(1) circle printed (on white paper with blue frame) "SYN- | TYPE"; (2) printed with handwritten inscriptions [here italicized] (on white paper) "Olym | Kasaphygi | 2200 m | 01.VIII.1934 | coll. Dr. H. Kolar"; (3) handwritten (on pink paper) "Type | olympiacus Kol. Rbl."; (4) printed (on white paper) "BMNH(E) # 662030"

Syntype listed by ACKERY (1973: 21). Additional type material exists in NHMW (BRYK, 1935: 399). Treated here as a junior subjective synonym of Parnassius apollo graecus ZIEGLER, 1901, syn. nov.

**thessalicus O. BANG-HAAS, 1934**


Syntypes 2 ♂♂, 1 ♀ with labels:

[1 ♂] (1) printed (on white paper) "354"; (2) printed (on white paper) "BMNH(E) # 6620235";
[2 ♂] (1) circle printed (on white paper with yellow frame) "Co- | type"; (2) printed (on white paper) "Brit. Mus. | 1936-566"; (3) printed (on white paper) "BMNH(E) # 6620236";
[♀] (1) printed (on white paper) "355"; (2) printed (on white paper) "BMNH(E) # 6620237";
- Syntypes 1 and 3 with (1) printed (on white paper) "Brit. Mus. | 1936-809"; (2) circle printed (on white paper with yellow frame) "Para- | type"; all the syntypes with (1) printed (on white paper) "Graecia | Thessalia | Olymp | 2200 m. Aug."; (2) circle printed (on white paper with blue frame) "SYN- | TYPE"; (3) printed (on red paper) "Co-Type | e Collection | Bang-Haas"

Syntypes listed by ACKERY (1973: 27). OTTO BANG-HAAS introduced the name thessalicus under the combination [Parnassius] "apollo thessalicus O. B.-H." firstly in his previous paper "XIII" (1934a 22.X.1934): 110), unfortunately not supported with any description, definition or indication (nomen nudum, unavailable name). The necessary description appeared almost a month later in his next paper "XIV"; in this case giving the priority of Parnassius apollo olympiacus Kolar & Rebel, 1934 (see the exact publication date of this taxon above) as a senior synonym. This taxon is treated here also as a junior subjective synonym of Parnassius apollo graecus ZIEGLER, 1901, syn. nov.
leimdörfleri 

"P. [arnassius] apollo leimdörfleri" 


Syntypes with labels:

1. printed (on white paper) "BMNH(E) # 662028";
2. printed (on white paper) "BMNH(E) # 662029";

[Another syntype with labels:]

- Both syntypes with (1) printed (on white paper) "Jugo Slavia: | Fiume. | Cirkvenica Distr. | Mrs de M. Leathes. | B.M. 1924-516"; (2) circle printed (on white paper with red frame) "Type"

Syntypes listed by ACKERY (1973: 18). A junior subjective synonym of Parnassius apollo attonius FRUHSTORFER, 1909, syn. nov. Treated also as a junior subjective synonym of Parnassius apollo liburnicus REBEL & ROGENHOFER, 1893 (CAPDEVILLE, 1979: 113).

PIERIDAE

Colias [Fabricius in Illiger], 1807 [cf TAEGE & GAEDIKE, 2001]

C. caucásico STAUDINGER, 1871

balcanica REBEL, 1901


Syntype with labels:

1. printed with handwritten inscriptions (on white paper) "Bosn. Rbl. | Trebevic | 5 VII.98";
2. printed (on white paper) "Elwes Coll. | 1902-85";
3. printed with handwritten inscriptions (on white paper, double framed) "SYNTAXE | Colias | myrmidone | balcanica | [line] | Dr S. Abadjiev det. 2001";
4. printed (on white paper) "BMNH(E) # 662123"

Additional type material (syntypes) exists in the collections of NHMW and NMNH. Lectotype not designated (cf HESSELBARTH, VAN OORSCHOT & WAGENER, 1995: 328) by ABADJIEV (1992). This taxon is treated as a different subspecies, Colias caucasicca balcanica REBEL, 1901 (WAGENER, 1990: 59), endemic for the Balkan Peninsula.

Anthocharis Boisduval, RAMBUR, DUMÉRIL & GRASLIN, [1833]

A. gruneri HERRICH-SCHÄFFER, [1851]

parnassia BERNARDI, 1970


Paratypes with labels:

1. printed with handwritten inscriptions (on white paper) "Parnassus. | Greece. | 21 VII.1900 | H. J. Elwes.";
2. printed (on white paper) "BMNH(E) # 662059";
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[2 ♂] (1) printed (on white paper) “Morea. | V.1900 | H. J. Elwes.”; (2) printed (on white paper) “BMNH(E) # 662060”;
[3 ♂] (1) printed with handwritten inscriptions [here italicized] (on white paper) “Morea. | 14V.1900 | H. J. Elwes.”; (2) printed (on white paper) “BMNH(E) # 662061”;
[4 ♂] printed (on white paper) “BMNH(E) # 662062”;
[5 ♂] printed (on white paper) “BMNH(E) # 662063”;
[6 ♂] printed (on white paper) “BMNH(E) # 662064”;
[7 ♂] printed (on white paper) “BMNH(E) # 662065”;
[8 ♂] printed (on white paper) “BMNH(E) # 662066”;
[9 ♂] printed (on white paper) “BMNH(E) # 662067”;
[10 ♂] printed (on white paper) “BMNH(E) # 662068”;
[12 ♂] (1) handwritten (on white paper) “Euchloe Gruneri ♂ Var”; (2) printed (on white paper) “BMNH(E) # 662070”;
[13 ♂] (1) handwritten (on white paper) “Euchloe Gruneri ♂”; (2) printed (on white paper) “BMNH(E) # 662071”;
[14 ♂] printed (on white paper) “BMNH(E) # 662072”;
[15 ♀] printed (on white paper) “BMNH(E) # 662073”;
[16 ♀] printed (on white paper) “BMNH(E) # 662074”;
[17 ♀] printed (on white paper) “BMNH(E) # 662075”;
[18 ♀] (1) printed with handwritten inscriptions [here italicized] (on white paper) “Morea. | 16V.1900 | H. J. Elwes.”; (2) printed (on white paper) “BMNH(E) # 662076”;
[19 ♀] printed (on white paper) “BMNH(E) # 662077”;


**Pieris Schrank, 1801**

**P. rapae** (LINNAEUS, 1758)

atomaria FRUHSTORFER, 1909

Syntypes 2 ♂♀ with labels:

[1] (1) printed with handwritten inscriptions [here italicized] (on white paper) “Dalmatia | Spalato | 22.4.1908 | [on the left] H. STAUSER”; (2) handwritten (on white paper, framed) “fa | atomaio | Fruhst.”; (3) printed (on white paper) “BMNH(E) # 662220”;
[2] (1) printed with handwritten inscriptions [here italicized] (on white paper) “Dalmatia | Spalato | 20.5.08 | [on the left] H. STAUSER”; (2) printed (on white paper) “BMNH(E) # 662221”;
Both syntypes with (1) printed (on red paper) “Type”; (2) printed (on white paper) “Fruehs- torfer Coll. | B.M. 1937-285.”


P. ergane (GEYER, [1828])

stefanelli Verity, [1908]

“Pieris ergane gen. vern. var. stefanelli” Verity, R., [1908] (Rhopalocera Palaearctica...: 153 (31.I. 1908); Pl. XXXIII (30.XI.1908): Fig. 32–36; Pl. XXXIV (30.VI.1908): Fig. 1 [erroneously as underside of Pl. XXXIII: Fig. 23; right 32]). Type locality: “Grèce” (l.c.: Pl. XXXIII: Fig. 32).

Syntype ♂ with labels:

(1) printed (on white paper), framed “ExMuseo | A KUWERT | [on the right] 1894”; (2) handwritten (on gray paper), framed “Pieris | Ergane | ♂ | Griechenland”; (3) circle printed (on white paper with red frame) “Type | ♂ | Allotype”; (4) handwritten (on white paper) “stefanellii | Verity | ♂ Allotype”; (5) printed with handwritten inscriptions [here italicized] (on white paper) “Figuré par R. Verity | RHOPAL. PALAEARCTICA | Pl. XXXIII fig. 34”; (6) printed (on white paper) “Ex Oberthür Coll. | Brit.Mus.1927-3.”; (7) printed (on white paper) “BMNH(E) # 662227”

Additional type material (13 ♂♂) in MZSF (KUORDA, 1983: 61); syntypes from Greece: Attica (8 ♂♂) with uncertain status (l.c.: 61). Treated as an infrasubspecific taxon (l.c.: 61).

LYCAENIDAE

Lycaena [FABRICIUS in ILLIGER], 1807 [cf TAEGGER & GAEDIKE, 2001]

L. virgaureae (LINNAEUS, 1758)

balcanicola Graves, 1928


Holotype ♂ (Colour plate I: Figs 2–3) with labels:


Paratypes 19 ♂♂, 8 ♀♀ with labels:

[1 ♂] printed (on white paper) “BMNH(E) # 662078”;
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[2 cT] (1) printed with handwritten inscriptions [here italicized] (on white paper) "Brit.Mus. | 1937-144."; (2) printed (on white paper) "BMNH(E) # 662079";

[3 cT] printed (on white paper) "BMNH(E) # 662080";

[4 cT] printed (on white paper) "BMNH(E) # 662081";

[5 cT] printed (on white paper) "BMNH(E) # 662082";

[6 cT] (1) printed (on white paper) "Varnik, | Bulgaria | July 1927. | (P. P. Graves)"; (2) printed (on white paper) "BMNH(E) # 662083";

[7 cT] printed (on white paper) "BMNH(E) # 662084";

[8 cT] printed (on white paper) "BMNH(E) # 662085";

[9 cT] printed (on white paper) "BMNH(E) # 662086";

[10 cT] printed (on white paper) "BMNH(E) # 662087";

[11 cT] (1) printed with handwritten inscriptions [here italicized] (on white paper) "Varnik (calc.) | Musalla Mtns., | circ. 4600 ft. | 21.VII 1927 | P. P. Graves."; (2) printed (on white paper) "Rothschild Bequest | B.M. 1939-1."; (3) printed (on white paper) "BMNH(E) # 662088";

[12 cT] printed (on white paper) "BMNH(E) # 662089";

[13 cT] (1) printed with handwritten inscriptions [here italicized] (on white paper) "Vitosha Mt. | 2700 ft. | 8.VII.1922 | P. Chorbajieff."; (2) printed (on white paper) "BMNH(E) # 662090";

[14 cT] printed (on white paper) "BMNH(E) # 662091";

[15 cT] printed (on white paper) "BMNH(E) # 662092";

[16 cT] printed (on white paper) "BMNH(E) # 662093";

[17 cT] printed (on white paper) "BMNH(E) # 662094";

[18 cT] printed (on white paper) "BMNH(E) # 662095";

[19 cT] printed (on white paper) "BMNH(E) # 662096";

[20 cT] Allotype (Colour plate I: Figs 4–5) (1) circle printed with handwritten inscriptions [here italicized] (on white paper with red frame) "Allotype"; (2) circle printed (on white paper with red frame) "Type"; (3) handwritten (on white paper) "Sofia | 12.VIII.97 | Bachmetjew"; (4) printed (on white paper) "Elwes Coll. | 1902-85"; (5) printed with handwritten inscriptions [here italicized] (on white paper) "B. M. TYPE | No. Rh. 274 | H. virgaureae | ssp. balcanicola | Graves. | ? Allotype"; (6) printed (on white paper) "ALLOTYPE | Lycaena virgaureae | balcanicola | Graves. | det. P. Ackery, 1991."; (7) printed (on white paper) "BMNH(E) # 662105";

[21 cT] printed (on white paper) "BMNH(E) # 662097";

[22 cT] (1) printed with handwritten inscriptions [here italicized] (on white paper) "Bansko, Mac., | Pirin Mtns. | 3000–4300 ft. | 14.viii. 1923. | P. Chorbajieff."; (2) printed (on white paper) "BMNH(E) # 662098";

[23 cT] (1) printed with handwritten inscriptions [here italicized] (on white paper) "Bansko, Mac., | Pirin Mtns. | 3000–4300 ft. | 12.viii. 1923. | P. Chorbajieff."; (2) printed (on white paper) "BMNH(E) # 662099";

[24 cT] (1) printed with handwritten inscriptions [here italicized] (on white paper) "Slivnitzha Vall., | Musalla Mtns. | 3100–3500 ft. | 25.VII 1925 | capt. P.P.G"; (2) printed (on white paper) "BMNH(E) # 662100";

[25 cT] (1) printed with handwritten inscriptions [here italicized] (on white paper) "Slivnitzha Vall., | Musalla Mtns. | 3100–3500 ft. | 25.VII 1925 | capt. P.P.Graves"; (2) printed (on white paper) "BMNH(E) # 662101";

[26 cT] printed (on white paper) "BMNH(E) # 662102";

[27 cT] (1) printed with handwritten inscriptions [here italicized] (on white paper) "Rilska Valley, | below Monastery, 2500–3400 ft. | 7.VII 1927 | capt. | P. P. Graves"; (2) printed (on white paper) "BMNH(E) # 662103";

- Paratypes 1, 2, 8, 12 and 26 with additional (1) printed with handwritten inscriptions [here italicized] (on white paper) "Varnik (calc.) | Musalla Mtns., | circ. 4600 ft. | 14.VII 1927 | P. P. Graves."; paratypes 1, 3–5, 8–10, 12–19, and 21–27 with printed (on white paper) "P.P.Graves. | B.M. 1937-655."; paratypes 3, 7, 9 and 10 with printed handwritten inscriptions [here italicized] (on white paper) "Rilska Valley, | below Monastery, 2500–3400 ft. | 7.VII.1927 | capt."; paratypes 4 and 5 with printed with handwritten inscriptions [here itali-
cized] (on white paper) "Rilska Valley, | below Monastery, 2500-3400 ft. | 7.VII. 1927 | P. P. Graves capt."; 6 and 7 with printed (on white paper) "Rothschild | Bequest"; 14-19 and 21 with printed with handwritten inscriptions [here italicized] (on white paper) "Bansko, Mac., | Pirin Mtns. | 3000-4300 ft. | 12-14.viii. 1923. | P. Chorbajieff."; all the paratypes (except the allotype 20) with printed with handwritten inscriptions [here italicized] (on red paper, double framed) "PARATYPE (♀ [♀ respectively] | Lycaena | virgaureae | balcanicola | [line] | Dr S. Abadjiev det. 2001" Treated as a junior subjective synonym of *Papilio virgaureae virgaureae* LINNAEUS, 1758 (HESSELBARTH, van OORSCHOT & WAGENER, 1995: 470).

*L. candens* (HERRICH-SCHÄFFER, [1844])

**leonhardi** FRUHSTORFER, 1917


Syntypes 1♂, 2♀ with labels:

[1♂] (Colour plate I: Figs 6–7) (1) circle printed (on white paper with blue frame) "SYN-| TYPE"; (2) printed (on white paper with red frame) "Type | H T"; (3) printed (on white paper, framed) "Bulg. Tschamkorija | M. Hilf 1911 | Coll. O. Leonhard"; (4) handwritten (on white paper) "Presumed type | of leonhardi | Fruhst. | (G.T., May, 1941)."; (5) printed (on white paper) "BMNH(E) # 662106";

[2♀] (Colour plate I: Figs 8–9) (1) circle printed (on white paper with red frame) "Type | A T"; (2) printed with handwritten inscriptions [here italicized] (on white paper, framed) "Bulg. Tschamkorija | 11.8. | M. Hilf 1911 | Coll. O. Leonhard"; (3) handwritten (on white paper) "Presumed | ♀ type of | leonhardi | Fruhst. | (G.T., May, 1941)."; (4) handwritten (on white paper) "Pol. hip. aber- | ratio"; (5) printed (on white paper) "BMNH(E) # 662107";

[3♀] (1) printed with handwritten inscriptions [here italicized] (on white paper, framed) "Bulg. Tschamkorija | 20.7. | M. Hilf 1911 | Coll. O. Leonhard"; (2) printed (on white paper) "BMNH(E) # 662108";

- Syntypes 1 and 2 with printed (on white paper) "Fruhstorfer Coll. | B.M.1933-131"; 2 and 3 with circle printed (on white paper with blue frame) "Syn- | type"; all the syntypes with printed (on white paper) "SYNTYPE | Chrysophanus | hippothoe leonhardi | Fruhstorfer. | det. P. Ackery, 1991."

Type material originally mentioned consisted of "5♂♂, 4♀♀ Koll. Fruhst., eine große Serie in der Sammlung Leonhard" (l.c.: 16). This taxon was originally described as a subspecies of *Lycaena hippothoe* LINNAEUS, 1761; subsequently treated as a subspecies of *Lycaena candens* (HERRICH-SCHÄFFER, [1844]). *Lycaena candens leonhardi* FRUHSTORFER, 1917 is an endemic for the Balkan Peninsula.

**Pseudophilotes BEURET, 1958**

*P. vicrama* (MOORE, 1865)

**anteschiffermulleri** VERITY, 1936


Syntypes ♂, ♀ with labels:

[1♂] (1) printed with handwritten inscriptions [here italicized] (on white paper) "Macedonia |
Salonica, 1000' | 1934 | IV.24 Romei*; (2) handwritten (on white paper) “17”; (3) printed (on white paper) “BMNH(E) # 662110”;

[2 ♀] (1) printed with handwritten inscriptions [here italicized] (on white paper) “Macedonia | Salonika, 1000' | April 26 1935 | Romei*; (2) handwritten (on white paper) “18”; (3) printed (on white paper) “BMNH(E) # 662111”;

- Both syntypes with (1) circle printed (on white paper with yellow frame) “Para- | type” and (2) printed (on white paper) “Brit.Mus. | 1939-226.”


P. bavius (EVERSMANN, 1832)

casimirii HEMMING, 1932

Holotype ♂ with labels:
(1) circle printed (on white paper with red frame) “Type”; (2) printed with handwritten inscriptions [here italicized] (on white paper) “Kalavryta | 27.5.1931. | C. van Straubenzee.”; (3) printed with handwritten inscriptions [here italicized] (on white paper) “B. M. TYPE | No. Rh. 795. | S. bavius | casimirii | ♂ HEM.”; (4) printed with handwritten inscriptions [here italicized] (on white paper) “Brit.Mus. | 1932-345.”; (5) printed (on white paper) “BMNH(E) # 662109”

Additional ♂ paratype in collection van STRAUBENZEE (l.c.: 181); present location unknown. A junior subjective synonym of Lycaena bavius egea HERRICH-SCHÄFFER, [1852] (Kočak, 1979: 313).

Glaucopsyche Scudder, 1872

G. arion (Linnaeus, 1758)

antesion Fruhstorfer, 1917

Syntypes 7 ♂♂, 4 ♀♀ with labels:
[1 ♂] (1) circle printed (on white paper with red frame) “Type | H T”; (2) printed with handwritten inscriptions [here italicized] (on white paper), framed “Bosnia 1903 | Korična | 24.7 | O. Leonhard”; (3) handwritten (on white paper) “selected | as ♂ type of | antesion Fruhst. | (G.T., May, 1941).”; (4) handwritten (on white paper, framed) “arion | antesion | Fruhst.”; (5) printed (on white paper) “BMNH(E) # 662112”;

[2 ♂] (1) printed with handwritten inscriptions [here italicized] (on white paper), framed “Bosnia 1904 | Korična | 10.7 | O. Leonhard”; (2) printed (on white paper) “BMNH(E) # 662114”;

[3 ♂] (1) printed with handwritten inscriptions [here italicized] (on white paper), framed “Bosnia 1902 | Prozor | O. Leonhard | Juli”; (2) printed (on white paper) “BMNH(E) # 662115”;

[4 ♂] printed (on white paper) “BMNH(E) # 662116”;

[5 ♂] (1) printed with handwritten inscriptions [here italicized] (on white paper), framed “Bosnia 1904 | Korična | 28.7 | O. Leonhard”; (2) printed (on white paper) “BMNH(E) # 662117”;

[6 ♂] printed (on white paper) “BMNH(E) # 662118”;

[7 ♂] (1) printed with handwritten inscriptions [here italicized] (on white paper), framed “Bosnia 1902 | Maklen-Pass | O. Leonhard | 7.7”; (2) printed (on white paper) “BMNH(E) # 662119”;

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[8 ♀] (1) circle printed (on white paper with red frame) “Type | A T”; (2) handwritten (on white paper) “selected | as ♀ type of | antesion Fruhst. | (G.T., May, 1941).”; (3) printed (on white paper) “BMNH(E) # 662113”;

[9 ♀] (1) printed with handwritten inscriptions [here italicized] (on white paper), framed “Bosnia 1904 | Korična | 17.7 | O. Leonhard”; (2) printed (on white paper) “BMNH(E) # 662120”;

[10 ♀] printed (on white paper) “BMNH(E) # 662121”;

[11 ♀] (1) handwritten (on white paper) “antesion | Fruhst.”; (2) printed (on white paper) “BMNH(E) # 662122”;

Syntypes 8 and 11 with printed with handwritten inscriptions [here italicized] (on white paper), framed “Bosnia 1902 | Maklen-Pass | O. Leonhard | 17.7”; 3–7 and 9–11 with circle printed (on white paper with yellow frame) “Para- | type”; 4, 6 and 10 with printed (on white paper), framed “Bosnia 1904 | Korična | O. Leonhard”; all syntypes with printed (on white paper) “Fruhstorfer Coll. | B.M. 1933-181”

The originally stated type material consists of “10 ♂♂ 7 ♀♀... Fruhstorfer... noch grössere Serie... Sammlung Leonhard” (l.c.: 28). A different subspecies, endemic for the Balkans.

*Plebeius* **KLUK, 1780**

*P. pylaon* *(FISCHER VON WALDHEIM, 1832)*

*sephirus* **FRIVALDSZKY, 1835**

“*Lycena* [sic] *sephirus*” FRIVALDSZKY, L., 1835 (Közlések a’ Balkány’ vidékén tett természettudományi utazásról. A Magyar Tudós Társaság Évkönyvei 2: 269-270, Tab. 7: Fig. 1, 2). Type locality: “Haemeus, Szliven = Sliven (Bulgaria)” (BÁLINT & KERTÉSZ, 1990: 197).

Syntype ♂ with labels:
(1) circle printed (on white paper with blue frame) “SYN-/ TYPE”; (2) handwritten (on white paper, double framed) “Balkanmer | Lycaena | Zephyrus | Friv”; (3) printed (on white paper) “Rothschild | Bequest. / B.M.1939-1.”; (4) handwritten (on white paper with red frame) “SYNTYPE | L. sephirus | Friv.”, on the back side “des. by | Zs. Balint | 19.VI11. ’98”; (5) printed (on white paper) “BMNH(E) # 265360”


*P. idas* **LINNAEUS, 1761**

*balcánica* **ZÜLLICH, 1929**


Syntypes 6 ♂♂, 1 ♀ with labels:
[1 ♂] printed (on white paper) “BMNH(E) # 265270”;
[2 ♂] printed (on white paper) “BMNH(E) # 265271”;
[3 ♂] (1) handwritten (on white paper) “L. balcánica | Züll.”; (2) printed (on white paper) “BMNH(E) # 265272”
[4 ♂] printed (on white paper) “BMNH(E) # 265273”;
[5 ♂] printed (on white paper) “BMNH(E) # 265274”;
[6 ♂] printed (on white paper) “BMNH(E) # 265275”;
[7 ♀] (1) circle printed (on white paper with blue frame) “Para- | lecto- | type”; (2) handwritten (on white paper) “argyrognomen | f. balcánica | Zuell.”; (3) printed (on white paper) “BMNH(E) # 265276”;

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- Syntypes 1–6 with circle printed (on white paper with blue frame) "SYN- | TYPE"; 1 and 4–7 with printed (on white paper) "Rotschild | Bequest | B.M.1939-1."; 2 and 3 with printed (on white paper) "P.P. Graves. | B.M. 1937-665."; all syntypes with (1) printed (on white paper) "BULGARIA OCC. | MON. RILSKI 1400 M | 20 VI.–6 VII 1928 | COLL. ZUELLICH"; (2) printed in red (on white paper with red frame) "Ex Typicalibus | Speciminibus"


P anteros (FREYER, [1838])

minorata VERITY, 1938

"Aricia anteros Fr. ... form minorata, nom. nov." VERITY, R., 1938 (Supplement to the "Butterfly races and Zygaenae of Macedonia" – Entomologist’s Rec. J. Var. 50 (Suppl.) (9) (15.VII.1938): 5). Type locality: [Greece]: Olympus: "S. Dionisio, 800 m" (l.c.: 5).

Syntypes δ, θ with labels:
[1 δ] (1) printed with handwritten inscriptions [here italicized] (on white paper) "Macedonia | Olympus, 2500’ | July 16, 1935 | Romei"; (2) handwritten (on white paper) "31"; (3) printed (on white paper) "BMNH(E) 662228";

[2 θ] (1) printed with handwritten inscriptions [here italicized] (on white paper) "Macedonia | Olympus, 2500’ | July 167, 1935 | Romei"; (2) handwritten (on white paper) "32"; (3) printed (on white paper) "BMNH(E) 662229";

- Both syntypes with (1) circle printed (on white paper with yellow frame) "Para- | type"; (2) printed (on white paper) "Brit.Mus. | 1939-226."


minoratissima VERITY, 1938

"Aricia anteros Fr. ... minoratissima, nom. nov." VERITY, R., 1938 (Supplement to the "Butterfly races and Zygaenae of Macedonia" – Entomologist’s Rec. J. Var. 50 (Suppl.) (9) (15.VII.1938): 6). Type locality: [Greece]: Olympus: "S. Dionisio, 800 m" (l.c.: 5).

Syntypes δ, θ with labels:
[1 δ] (1) handwritten (on white paper) "33"; (2) printed (on white paper) "BMNH(E) 662230";

[2 θ] (1) handwritten (on white paper) "34"; (2) printed (on white paper) "BMNH(E) 662231";

- Both syntypes with (1) printed with handwritten inscriptions [here italicized] (on white paper) "Macedonia | Olympus, 2500’ | Aug. 18, 1935 | Romei"; (2) circle printed (on white paper with yellow frame) "Para- | type"; (3) printed (on white paper) "Brit.Mus. | 1939-226."


Polyommatus LATREILLE, 1804

P. semiargus (ROTTEMBURG, 1775)

Parnassia STAUDINGER, 1870

"Lycaena... Semiargus Rott. (Acis S. V.)... v. Parnassia" STAUDINGER, O., 1870 (Beitrag zur Lepidopterenfauna Griechenlands. – Horae Soc. ent. ross. 7 (1780): 55). Type locality: [Greece]: "Parnass" (l.c.: 55).

Lectotype δ with labels:
(1) circle printed (on white paper with deep blue frame) "LECTO- | TYPE"; (2) printed (on white

Paralectotype ♀ with labels:
- (1) circle printed (on white paper with light blue frame) “Para- | lecto- | type”; (2) printed (on white paper) “Greece. | Ex Staudinger”; (3) printed (on white paper) “Godman-Salvin | Coll. 1906.–110.”; (4) handwritten (on white paper, framed) “L. parnassia | Greece | Ex Staudinger.”; (5) printed (on white paper) “BMNH(E) # 264428”.


balcanica Tutt, [1909]
Cyaniris semiargus “var. balcanica, n. var.” Tutt, J. W., [1909] (A Natural History of the British Butterflies... 3 (12): 272). Type locality: originally the exact type locality not stated (Tutt, [1909]: 272: “Bosnia and Bulgaria”). Comparing NICHOLL’s paper (NICHOLL, 1900: 64) with the lectotype data label and modern maps the exact locality should be fixed as: Bulgaria: Rila Mts: Levi Iskar, 7–8 miles S Samokov: 4000 ft [UTM grid reference 34TGM08] (see Fig. 4).

Lectotype ♂ with labels:
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1902-85*; (3) circle printed (on white paper with light blue frame) "PARA- | LECTO- | TYPE";
(4) circle printed (on white paper with deep blue frame) "LECTO- | TYPE"; (5) handwritten (on white paper with red frame) "LECTOTYPE | C. balcanica | Ttt", on the back side "des. by | Zs. Balint | 11.IX.98"; (6) printed (on white paper) "BMNH(E) # 265786"

Paralectotypes 4 ♂♂, 3 ♀♀ with labels:
[2 ♂] (1) printed (on white paper) "Bulgaria. | M.de la B. Nicholl. | 1900-53.*; on the back side handwritten "L. semiargus | var. parnassus | Stor."; (2) printed (on white paper) "BMNH(E) # 265792";
[3 ♂] (1) printed with handwritten inscriptions [here italicized] (on white paper) "Rilo Dagh, | S. W. Bulgaria. | 5000 ft 3 99. | H. J. Elwes.*; (2) printed (on white paper) "BMNH(E) # 265787";
[4 ♂] (1) printed with handwritten inscriptions [here italicized] (on white paper) "Rilo Dagh, | S. W. Bulgaria. | 7000 ft 3 7 99. | H. J. Elwes.*; (2) printed (on white paper) "BMNH(E) # 265788";
[5 ♀] (1) printed with handwritten inscriptions [here italicized] (on white paper) "Rilo Dagh, | S. W. Bulgaria. | 7000 ft. 3 7 99. | H. J. Elwes.*; (2) printed (on white paper) "BMNH(E) # 265789";
[6 ♀] (1) printed with handwritten inscriptions [here italicized] (on white paper) "Rilo Dagh, | S. W. Bulgaria. | 5000 ft 26 6 99. | H. J. Elwes.*; (2) circle printed (on white paper with light blue frame) "PARA- | LECTO- | TYPE"; (3) printed (on white paper) "BMNH(E) # 265790";
[7 ♀] (1) printed with handwritten inscriptions [here italicized] (on white paper) "Rilo Dagh, | S. W. Bulgaria. | 6000 ft. 3 7 99. | H. J. Elwes.*; (2) printed (on white paper) "BMNH(E) # 265791";
- Paralectotypes 1-5 and 7 with additional circle printed (on white paper with light blue frame) "Para- | lecto- | type"; 3-7 with printed (on white paper) "Elwes Coll. | 1902-85*;

Type specimens listed by Bálint (1999: 17). Type material originally stated consisted of 6 ♂♂ and 6 ♀♀ (Tutt, [1909]: 273). Lectotype designated by Bálint (1999: 17). This taxon was listed by Hesselbarth, van Oorschot & Wagener (1995: 647) as a junior subjective synonym of "Cyaniris semiargus (Rottemburg, 1775)"

P. escheri (Hübner, [1823])

parnassica Brown, 1977

Holotype ♂ with labels:
(1) printed with handwritten inscriptions [here italicized] (on white paper) "Greece | Delphi | 13. V. 31. | C.van Straubenzee | B.M. 1943-17"; (2) circle printed (on white paper with red frame) "Holo- | type"; (3) printed (on white paper) "BMNH(E) # 264562"

Paratypes 7 ♂♂ with labels:
[1] (1) handwritten (on white paper) "Plebicula | escheri | ssp.; (2) circle printed (on white paper with yellow frame) "PARA- | TYPE"; (3) printed (on white paper) "BMNH(E) # 264569";
[2] printed (on white paper) "BMNH(E) # 264568";
[3] printed (on white paper) "BMNH(E) # 264565";
[4] printed (on white paper) "BMNH(E) # 264564";
[5] printed (on white paper) "BMNH(E) # 264566";
[6] printed (on white paper) "BMNH(E) # 264567";
[7] printed (on white paper) "BMNH(E) # 264563";
- Paratypes 2-7 with circle printed (on white paper with yellow frame) "Para- | type"; all the
paratypes with printed with handwritten inscriptions [here italicized] (on white paper) "GREECE | Delphi | 13. V. 31. | C.van Straubenzee | B.M. 1943-17".


NYMPHALIDAE

Pararge Hübner, [1819]

P. aegeria (LINNAEUS, 1758)

egestas FRUHSTORFER, 1908

"Pararge aegeria egestas nov. subspec." FRUHSTORFER, H., 1908b (Neue palaearktische Satyriden. - Int. ent. Z. 2 (2) (11.IV.1908): 9). Type locality: "Dalmatien" (l.c.: 9).

Original description:

Pararge aegeria egestas nov. subspec.

Kleiner, dunkler, ärmer an gelblichen Flecken als Exemplare aus Deutschland, Südtirol und insbesondere aus der Schweiz. Von griechischen Stücken entfernt sich egestas durch die mattgelbe, anstatt rotbraune Flügelsprenkelung.

Patria: Dalmatien, 3 ♀♂ in Coll. Fruhstorfer.

Syntype ♀ with labels:

- (1) printed (on red paper) "Type"; (2) printed with handwritten inscriptions [here italicized] (on light brown paper) "Dalmatien | Fruhstorfer."; (3) handwritten (on white paper) "aegeria | egestas | Fruhst."; (4) printed (on white paper) "Fruhstorfer Coll. | B.M. 1937-285."; (5) printed (on white paper) "BMNH(E) # 662205".

Type material originally mentioned consisted of 3 ♀♂ (l.c.: 9). Pararge aegeria egestas FRUHSTORFER, 1908 is treated here as a junior subjective synonym of Satyrus aegeria tircis GODART, J.-B., 1821 (Histoire naturelle des Lépidoptères ou Papillons de France. Diurnes 1: 163-164; Pl. 8a: Fig. 1 ♀: "Satyre Tircis"), syn. nov.

Lasiommata WESTWOOD, 1841

L. maera (LINNAEUS, 1758)

atabyris FRUHSTORFER, 1909

"Pararge maera atabyris nov. subspec." FRUHSTORFER, H., 1909e (Neue Satyriden. - Int. ent. Z. 3 (24) (11.IX.1909): 133). Type locality: [Greece]: "Rhodos" (l.c.: 133).

Syntype ♂ with labels:

- (1) printed (on red paper) "Type"; (2) handwritten (on white paper) "Rhodos | IV 05"; (3) handwritten (on white paper) "maera | atabyris | Fruhst."; (4) printed (on white paper) "Fruhstorfer Coll. | B.M. 1937-285."; (5) printed (on white paper) "BMNH(E) # 662206".

Type material mentioned as "unbekannt" ["unknown"] (HESSELBARTH, VAN OORSCHOT & WAGENER, 1995: 788). Type specimens number originally not stated; a possible holotype by monotypy. This taxon is treated as a junior subjective synonym of Papilio maera maera LINNAEUS, 1758 (OLIVIER, 1993: 187) and [monotypic!] Papilio maera LINNAEUS, 1758 (HESSELBARTH, VAN OORSCHOT & WAGENER, 1995: 788).
**silymbria** Frühstorfer, 1909


Syntype ♀ with labels:
- (1) printed (on red paper) "Type";
- (2) circle printed (on white paper with red frame) "Type A T";
- (3) printed with handwritten inscriptions [here italicized] (on white paper, framed) "Dalmatia | Spalato | 24.05.08. | H. STAUDER [on the left]";
- (4) handwritten (on white paper) "maera | silymbria | Frusth.";
- (5) printed (on white paper) "Frühstorfer Coll. | B.M. 1937-285.";
- (6) printed (on white paper) "BM NH(E) # 662207"

Type material originally consisted of 8 ♂♂♂, 4 ♀♀ (l.c.: 134). The above mentioned specimen is very similar to the so-called "var. *adrasta*": *Papilio maera adrasta* Hellwig, J. C. L, 1795 (In: Rossius, P., Fauna Etrusca... (Ed. 2) 1: 231), currently treated as an infrasubspecific taxon.

Coenonympha Hübner, [1819]

*C. tullia* (Müller, 1764)

**bosniae** Davenport, 1941


Syntypes ♂♂, ♀♀ with labels:
- [1 ♂] (1) printed with handwritten inscriptions [here italicized] (on white paper) "Det. 1936 | Davenport | C. tullia | bosniae ♂♂";
- (2) printed with handwritten inscriptions [here italicized] (on white paper) "H. T. | ♂♂ B.M. TYPE | No. Rh. 16722. | Coenonympha | tullia | bosniae Davenport*; (3) printed (on white paper) "BMNH(E) # 662203";
- [2 ♀] (1) printed with handwritten inscriptions [here italicized] (on white paper) "Det. 1936 | Davenport | C. tullia | bosniae ♀♀";
- (2) printed with handwritten inscriptions [here italicized] (on white paper) "A. T. | ♀♀ B.M. TYPE | No. Rh. 16723. | Coenonympha | tullia | bosniae Davenport*; (3) printed (on white paper) "BMNH(E) # 662204";

Both syntypes with (1) circle printed (on white paper with red frame) "Type"; (2) handwritten (on white paper) "Jesero | 25.06.01 | HJElwes"; (3) printed (on white paper) "Elwes Coll. l 1902-85"; (4) printed (on yellow paper) "type"; (5) printed (on white paper) "Brit. Mus. | 1937-344"

Type specimens number of *Coenonympha tullia bosniae* Davenport, 1941 originally not stated and no indication of a selected holotype is given in the original description (cf l.c: 244–245); the 2 specimens here regarded as syntypic.

*C. rhodopensis* Elwes, 1900

**rhodopensis** Elwes, 1900


Lectotype ♂ with labels:
- (1) printed with handwritten inscriptions [here italicized] (on white paper) "Rilo Dagh, | S. W. Bulgaria. l 5600 ft. 24.6.99. I H. J. Elwes.";
- (2) printed (on white paper) "Elwes Coll. l 1902-85";
Paralectotypes 7 ♂♂♂, 6 ♀♀ with labels:

1 ♂ (1) printed with handwritten inscriptions [here italicized] (on white paper) “Rilo Dagh, | S. W. Bulgaria. | 6000 ft. 3 7 99. | H. J. Elwes.”; (2) printed with handwritten inscriptions [here italicized] (on white paper) “B.M. TYPE | No.Rh. 6266. | C. tiphon, v. | rhodopensis, | ♂ Elwes.”; (3) printed (on white paper) “BMNH(E) # 662190”;

2 ♂ (1) printed with handwritten inscriptions [here italicized] (on white paper) “B.M. TYPE | No.Rh. 6267. | C. tiphon, v. | rhodopensis, | ♂ Elwes.”; (2) printed (on white paper) “BMNH(E) # 662191”;


6 ♂ (1) printed with handwritten inscriptions [here italicized] (on white paper) “Rilo Dagh, | S. W. Bulgaria. | 5000 ft. 4.7 99. | H. J. Elwes.”; (2) printed with handwritten inscriptions [here italicized] (on white paper) “B.M. TYPE | No.Rh. 6272 | C. tiphon, v. | rhodopensis, | ♂ Elwes.”; (3) printed (on white paper) “BMNH(E) # 662195”;


8 ♀ (1) printed (on white paper with red frame) “Type”; (2) printed with handwritten inscriptions [here italicized] (on white paper) “B.M. TYPE | No.Rh. 6265 | C. tiphon, v. | rhodopensis, | ♀ Elwes”; (3) printed (on white paper) “Illustrated in | Abadjiev, S. 1995 | Butterflies of Bulgaria | Vol. 3: PI. XXXII: Figs 7–9”; (4) printed (on white paper) “BMNH(E) # 662196”;


10 ♀ (1) printed with handwritten inscriptions [here italicized] (on white paper) “Rilo Dagh, | S. W.
Bulgaria. | 5000 ft. 3.7 99. | H. J. Elwes.*; (2) printed with handwritten inscriptions [here italicized] (on white paper) "B.M. TYPE | No.Rh. 6274 | C. tiphon, v. rhodopensis | ♀ Elwes"; (3) printed (on white paper) "BMNH(E) # 662198";

[11 ♀] (1) printed with handwritten inscriptions [here italicized] (on white paper) "B.M. TYPE | No.Rh. 6275 | C. tiphon, v. rhodopensis | ♀ Elwes"; (2) printed (on white paper) "BMNH(E) # 662199";
[12 ♀] (1) printed with handwritten inscriptions [here italicized] (on white paper) "B.M. TYPE | No.Rh. 6276 | C. tiphon, v. rhodopensis | ♀ Elwes"; (2) printed (on white paper) "BMNH(E) # 662200";
[13 ♀] (1) printed with handwritten inscriptions [here italicized] (on white paper) "Rilo Dagh, | S.W. Bulgaria. | 5000 ft. 24.6 99. | H. J. Elwes.*; (2) printed with handwritten inscriptions [here italicized] (on white paper) "B.M. TYPE | No.Rh. 6277 | C. tiphon, v. rhodopensis | ♀ Elwes"; (3) printed (on white paper) "BMNH(E) # 662201";
- paralectotypes 1–7 and 9–13 with circle printed (on white paper with yellow frame) "Co- | type"; 1–6 and 9–12 with circle printed (on white paper with blue frame) "SYN- | TYPE"; 1, 2, 4–6 and 8–13 with circle printed (on white paper with blue frame) "PARA- | LECTO- | TYPE"; 2, 11 and 12 with printed with handwritten inscriptions [here italicized] (on white paper) "Rilo Dagh, | S.W. Bulgaria. | 6000 ft. 12.7 99. | H. J. Elwes.*; 7, 8 and 13 with circle printed (on white paper with blue frame) "Syn- | type"; 8 and 9 with printed with handwritten inscriptions [here italicized] (on white paper) "Rilo Dagh, | S.W. Bulgaria. | 5000 ft. 24 6 99. | H. J. Elwes.*; all the paralectotypes with (1) printed (on white paper) "Elwes Coll. | 1902-85"; (2) printed (on white paper) "SYNTYPE | Coenonympha tiphon | var. rhodopensis | Elwes | det. P. Ackery, 1991." and (except 7) (3) printed (on red paper), double framed "PARA-LECTOTYPE ♀ [♀ respectively] | Coenonympha rhodopensis | Elwes, 1900 | «C. tiphon, var. rhodopensis, | n. var.» Elwes, H.J., 1900 | (On the Butterflies of Bulgaria. | Trans. ent. Soc. London 48 (2): 205) | [line] | S. Abadjiev design. 2000"   

Type material originally not stated. Lectotype illustrated in colour by ABADJIEV (1995: PI. XXXII: Figs 1–3) and designated by ABADJIEV (2000: 462–463; 465: Fig. 2). Paralectotypes 8 and 9 illustrated by ABADJIEV (1995: PI. XXXII: Figs 4–9). Treated as a different species.

**Hyponephele Muschamp, 1915**

*H. lycaon* (Rottemburg, 1775)

**salona** Fruhstorfer, 1909


Syntype ♀ with labels:
- (1) printed (on red paper) "Type"; (2) printed with handwritten inscriptions [here italicized] (on white paper, framed) "Wettl | Prenj | 15.7.08"; (3) printed (on white paper) "Fruhstorfer Coll. | B.M. 1937-285"; (4) handwritten (on white paper, framed) "rhamnusia | salona Fruhst."; (5) printed (on white paper) "BMNH(E) # 662175";

Type specimens number originally not stated; a possible holotype by monotypy.

**Proterebia Roos & Arnscheid, 1980**

*P. africana* (Fabricius, 1787)

**pyramus** de Louker & Dils, 1987

**Erebia Borkhausen in Greece...**. – Phegea 15 (3) (1.VII.1987): 157–160. Type locality: “Greece, province of Kozani, 600 m” (l.c.: 159).

**Paratype ♂ with labels:**

1. circle printed (on white paper with yellow frame) “Para- | type”; 2. printed (on white paper) “02.05.87 600M | GREECE | NOMOS KOZANIS | LEG. J. DILS”; 3. printed (on red paper) “PARATYPE | P. PHEGEA BORKH. | SSP. PYRAMUS | DE LOUKER-DILS”; 4. handwritten (on white paper) “Brit.Mus. | 1988-272”; 5. printed (on white paper) “BMNH(E) # 662140”

Additional types: holotype ♂ ITZA, paratypes in collections DILS, DE LOUKER, ITZA (l.c.: 159).

**Erebia Dalman, 1816**

**E. euryale** (Esper, [1805])

**syrmia Fruhstorfer, 1909**


**Syntype ♂ with labels:**


Type specimens number originally not stated. Subsequently treated by Warren (1936: 61) as an infrasubspecific taxon and junior subjective synonym of Erebia euryale euryale (Esper, [1805]).

**E. orientalis Elwes, 1900**

**orientalis Elwes, 1900**


**Lectotype ♂ with labels:**


Paralectotypes 6 ♂♂, 3 ♀♀ with labels:

1. ♂ (1) circle printed (on white paper with red frame) “Type”; 2. handwritten (on white paper)
"orientalis", Elw. Type ♂; (3) printed with handwritten inscriptions [here italicized] (on white paper) "B.M. TYPE | No.Rh. 6278 | E. epiphron | orientalis, ♂ Elwes."; (4) printed (on white paper) "Illustrated in | Abadjiev, S. 1995 | Butterflies of Bulgaria | Vol. 3: Pl. XXXI: Figs 4, 5"; (5) printed (on white paper) "BMNH(E) # 662127";

[2 ♂] (1) printed with handwritten inscriptions [here italicized] (on white paper) "B.M. TYPE | No.Rh. 6280 | E. epiphron | orientalis, ♂ Elwes."; (2) printed (on white paper) "BMNH(E) # 662128";

[3 ♂] (1) printed with handwritten inscriptions [here italicized] (on white paper) "B.M. TYPE | No.Rh. 6281 | E. epiphron | orientalis, ♂ Elwes"; (2) printed (on white paper) "Photographed | for B. C. S. Warren."; (3) printed (on white paper) "Illustrated in | Abadjiev, S. 1995 | Butterflies of Bulgaria | Vol. 3: PI. XXXI: Figs 1-3"; (4) printed (on white paper) "BMNH(E) # 662129";

[4 ♂] (1) printed with handwritten inscriptions [here italicized] (on white paper) "B.M. TYPE | No.Rh. 6282 | E. epiphron | orientalis, ♂ Elwes"; (1) printed (on white paper) "BMNH(E) # 662130";

[5 ♂] (1) printed with handwritten inscriptions [here italicized] (on white paper) "Elwes Coll. | 1902-85 | Rilo Dagh | 6500 | July 1900"; (2) printed (on white paper) "BMNH(E) # 662131";

[6 ♂] (1) printed with handwritten inscriptions [here italicized] (on white paper) "S W Bulgaria. | M. de la B. Nicholl. | 1900-53 | Ayrandere Valley | 7000 ft."; (2) printed with handwritten inscriptions [here italicized] (on white paper) "B.M. TYPE | No.Rh. 6284 | E. epiphron | orientalis, ♂ Elwes."; (3) printed (on white paper) "BMNH(E) # 662132";

[7 ♀] (1) printed with handwritten inscriptions [here italicized] (on white paper) "B.M. TYPE | No.Rh. 6285 | E. epiphron | orientalis, ♂ Elwes"; (2) printed (on white paper) "BMNH(E) # 662133";

[8 ♀] (1) printed with handwritten inscriptions [here italicized] (on white paper) "B.M. TYPE | No.Rh. 6286 | E. epiphron | orientalis, ♀ Elwes"; (2) printed (on white paper) "Illustrated in | Abadjiev, S. 1995 | Butterflies of Bulgaria | Vol. 3: Pl. XXXI: Figs 9, 10"; (3) circle printed (on white paper with blue frame) "Syn- | type"; (4) printed (on white paper) "BMNH(E) # 662134";

[9 ♀] (1) printed with handwritten inscriptions [here italicized] (on white paper) "Bulgaria. | M. de la B. Nicholl. | 1900-53 | Marica | 6500 ft. | 10:VI 99" [The month in the date written here (10 June 1899) is apparently erroneous. It must be July. On 10 June 1899 Mrs Nicholl collected down in the valley of Rilska Reka (cf Nicholl, 1900: 33)]; (2) printed with handwritten inscriptions [here italicized] (on white paper) "Received as | Erebia epiphron, | Knoch. | from MRS. Nicholl., | F. A. H."; (3) printed (on white paper) "♀"; (4) printed with handwritten inscriptions [here italicized] (on white paper) "B.M. TYPE | No.Rh. 6287 | E. epiphron | orientalis, ♀ Elwes."; (5) printed (on white paper) "BMNH(E) # 662135";

- Paralectotypes 1-5, 7 and 8 with printed (on white paper) "SYNTYPE | Erebia epiphron | var. orientalis | Elwes. | det. P. Ackery, 1991."; 1-5 and 7 with circle printed (on white paper with blue frame) "SYN- | TYPE"; 1-4, 7 and 8 with (1) printed with handwritten inscriptions [here italicized] (on white paper) "Rilo Dagh, | S. W. Bulgaria. | 6000 ft. 12.7.99. | H. J. Elwes."; (2) printed (on white paper) "Elwes Coll. | 1902-85"; 1, 3-5 and 7-9 with circle printed (on white paper with blue frame) "PARA- | LECTO- | TYPE"; 2-9 with circle printed (on white paper with yellow frame) "Co- | type"; 2 and 6 with circle printed (on white paper with blue frame) "Para- lecto- | type"; 6 and 9 with handwritten (on white paper) "Erebia rhodopensis | Nicholl? Original | description not | traced."; all the paralectotypes with printed (on red paper), double framed "PARALECTOTYPE ♂ [♀ respectively] | Erebia orientalis Elwes, 1900 | Erebia epiphron, var. orientalis, ♀ | var. Elwes, H. J., 1900 | (On the Butterflies of Bulgaria. - | Trans. ent. Soc. London 48 (2): 199) [line] | label attachment S. Abadjiev 2001"
E. medusa ([Denis & Schiffermüller, 1775])

euphrasia Fruhstorfer, 1917

"E.[rebia] medusa... euphrasia subsp. nova" Fruhstorfer, H., 1917f (Altes und Neues über Erebien. – Dt. ent. Z. Iris 31 (1/2) (1.VII.1917): 44). Type locality (see lectotype data label below): Bulgaria: Rila Mts: Tschamkorija [= Borovets]; UTM grid reference 34TGM18 (see Fig. 5).

Lectotype ♂ (here designated) with labels:

Paralectotype ♀ with labels:

Type material mentioned as “unbekannt” (Hesselbarth, van Oorschot & Wagener, 1995: 855). Lectotype designation here was done for the stability of nomenclature. Treated as a different subspecies (Warren, 1936: 187; Hesselbarth, van Oorschot & Wagener, 1995: 855).

Fig. 5: UTM map of Bulgaria showing the position of the type locality of Erebia medusa euphrasia Fruhstorfer, 1917.
**navana** FRUHSTORFER, 1917

"E.[rebia] medusa... navana subsp. nova" FRUHSTORFER, H., 1917f (Altes und Neues über Erebien. - Dt. ent. Z. Iris 31 (1/2) (1.VII.1917): 45). Type locality (cf lectotype label below): Bosnia and Herzegovina: Maklen [Makljen] Pass; UTM grid reference 33TYJ05 (see Fig. 6).

Original description:

In Bosnien begegnen wir einer Diminutivrasse, navana subsp. nova, die sich ihrerseits sofort wieder in zwei Niveauformen scheiden lässt, jene der Niederung mit relativ reich gelb umringelten Augen (Trebevic) und die von mir als Namenstype hier eingeführte Höhenbewohnerin vom Maklenpass und Koricna, die sich von hippomedusa aber immer noch durch grössere Ozellen und namentlich fahler und breiter ausgeflossene gelb-braune Flecken beider Flügel differenziert.

Die Unterseite der ♂ erscheint viel heller grau als bei hippomedusa.

![Fig. 6: UTM map of Bosnia and Herzegovina showing the position of the type locality of Erebia medusa navana FRUHSTORFER, 1917.](image-url)

Lectotype ♀ (here designated) with labels:
- (1) printed with handwritten inscriptions [here italicized] (on white paper, framed) “Bosnia 1902 | Maklen-Pass | O. Leonhard | 27.6.”; (2) printed (on red paper) “Type”; (3) printed (on white paper) “Fruhstorfer Coll. | B.M. 1937-285.”; (4) printed (on white paper) “BMNH(E) # 662153”; (5) printed (on red paper), double framed “LECTOTYPE ♀ | Erebia medusa navana | Fruhstorfer, 1917 | (Altes und Neues über Erebien. – | Dt. ent. Z. Iris 31 (1/2): 45) | [line] | Dr S. Abadjiev design. 2002”
Paralectotype \( \delta \) with labels:


Lectotype designation here was done for the stability of nomenclature. Using the “Principle of the First Reviser” (ICZN, 1999: Article 24) Erebia medusa narona Fruhstorfer, 1917 is a junior subjective synonym of E. medusa euphrasia Fruhstorfer, 1917, syn. nov.

E. alberganus (Prunner, 1798)

phorcys Freyer, [1836]

“Hipparchia... 333. Pap. Phorcys" Freyer, C. F., [1836] (Neuere Beiträge zur Schmetterlingskunde... 3 (33): 4; Tab. 193: Fig. 2). Type locality: “Bulgaria, central Stara Planina” (Bálint & Olivier, 2001: 179).

Original description (see also Colour plate I: Fig. 10):

Gen. VIII. Hipparchia.

333. P a p. P h o r c y s.

Tab. 193. Fig. 2.


Es wurde dieser Falter ebenfalls durch Dr. Dr. Frivaldzyk in der europäischen Türkei aufgefunden und mir in zwei guten Grundplatten mitgeteilt. Er sitzt im July.

Lectotype \( \delta \) (here designated) [without abdomen and left antenna] with labels:

(1) handwritten (on yellow paper upperside) “Phorcys”; (2) handwritten (on light blue paper) “Ceto var. | Phorcys” | Frr. 193, 2.; (3) printed (on white paper) “Zell. Coll. | 1884.”; (4) printed (on white paper) “BMNH(E) # 662141”; (5) printed (on red paper), double framed “LECTOTYPE \( \delta \) | Erebia alberganus phorcys | (Freyer, [1836]) | «Hipparchia... 333. Pap. Phorcys» | Freyer, C. F., [1836] | (Neuere Beiträge zur Schmetterlingskunde... | 3:4; Tab. 193: Fig. 2) | [line] | Dr S. Abadjiev design. 2002”

Lectotype designation here was done for the stability of nomenclature. Treated as a different subspecies, endemic for Stara Planina Range.
E. rhodopensis Nicholl, 1900

rhodopensis Nicholl, 1900

"variety (rhodopensis) of E. gorgone" Nicholl, M. de la B., 1900 (Bulgarian butterflies. - Entomologist's Rec. J. Var. 12 (3) (15.III.1900): 67). Type locality (see lectotype data label below): Bulgaria: Rila: Airandere [= Chavcha]: 6500 ft; UTM grid ref. 34TGM27 (see Fig. 7).

Original description:

Then I was fortunate enough to take an Erebia which greatly puzzled both Mr. Elwes and me, and we almost hoped that it might prove to be a new species. It is, however, stated to be only a local variety (rhodopensis) of E. gorgone, with which species the genitalia, as examined by Dr. Staudinger and Mr. Edwards, correspond exactly.

I append a description of this butterfly, of which we managed to secure six specimens, all males, between July 11th and July 18th. The females were not, probably, then out, and should be looked for a week later. All our specimens were taken in the highest part of the Marica valley, and in the Airandere, which is a valley running parallel to it on the east, at an elevation of 6000 ft. or more. Its flight does not resemble that of gorgone, it is a more sluggish insect, and squarer in the wings; nor does it haunt rocks as gorgone does—we took all our specimens amongst the juniper bushes that clothe the stony slopes, near streams or boggy hollows.

Expans 1-50in. Wings dark brown, with broad, sharply defined, rusty band, crossed by rays on forewings and hindwings, and a very faint rusty patch adjoining the costae of forewing. Two apical eyes, large, white-pupilled, and conspicuous; one of my specimens has a third, very minute one. There is also a small eye placed rather below the middle of the rusty band of forewing. In the band of the hindwing are several small white-pupilled eyes. Underside forewing entirely rust colour, with the band of the upper side repeated distinctly in a fainter shade. Eyes as above. Underside hindwings dark rusty brown, with two distinctly marked paler bands mottled with grey. Eyes of upper side repeated.

Lectotype ♂ (here designated) [without abdomen] with labels:

(1) printed with handwritten inscriptions [here italicized] (on white paper) "Airandere | S.W. Bulgaria. | 65000 [sic] ft 17.7.99. | H. J. Elwes."; (2) printed in red (on white paper) "TYPE."; (3) printed (on white paper) "Elwes Coll. | 1902-85"; (4) circle printed (on white paper with red frame) "Type", on the back side handwritten "Erebia | gorgone | var. | rhodopensis | Elwes"; (5) printed with handwritten inscriptions [here italicized] (on white paper) "B.M. TYPE | No.Rh. 3556 | Erebia | gorgone, var. | rhodopensis | ♂ Elwes"; (6) printed with handwritten inscriptions [here italicized] (on red paper, double framed) "LECTOTYPE ♂ | Erebia | rhodopensis | line Dr S. Abadjiev design. 2001"; (7) printed (on white paper) "BMNH(E) # 662124".

Paralectotype ♂ with labels:

(1) printed with handwritten inscriptions [here italicized] (on white paper) "Airandere | S.W. Bulgaria. | 65000 [sic] ft 17.7.99. | H. J. Elwes."; (2) printed in red (on white paper) "TYPE."; (3) printed (on white paper) "Elwes Coll. | 1902-85"; (4) printed with handwritten inscriptions [here italicized] (on white paper) "B.M. TYPE | No.Rh. 3557 | Erebia | gorgone, var. | rhodopensis | ♂ Elwes"; (5) printed with handwritten inscriptions [here italicized] (on red paper, double framed) "PARALECTOTYPE ♂ | Erebia | rhodopensis | line Dr S. Abadjiev design. 2001"; (6) printed (on white paper) "Photographed | for B.C.S. Warren."; (7) printed (on white paper) "BMNH(E) # 662125".

The type material is collected as follows: Marica [Marichini Ezera; UTM grid reference 34TGM17]: 11.VII.1899 - 1 ♂; Nicholl; 12.VII.1899 - 1 ♂; Elwes (Nicholl, 1900: 67); Airandere [Chavcha]: 6000 ft.
Fig. 7: UTM map of Bulgaria showing the position of the type locality of \textit{Erebia rhodopensis} \textsc{Nicholl}, 1900.

[500 ft difference with the data labels above]: 14.VII.1899 – 1 $\delta$: \textsc{Nicholl} (\textsc{Nicholl}, 1900: 67, 68); 18[day difference with the data labels above].VII.1899 – 3 $\delta\delta$: \textsc{Elwes} (\textsc{Nicholl}, 1900: 67, 68). Lectotype designation here was done for the stability of nomenclature. A different species, endemic for the Balkan Peninsula.

\textsc{sharsta} \textsc{Higgins}, 1965

\textit{"Erebia aethiopellus sharsta"} s.sp. nov. \textsc{Higgins}, L. G., 1965 (Five New Butterflies. – Entomologist 98 (1.1965): 11). Type locality: “Yugoslav Macedonia, Schar Planina” (l.c: 12).

Holotype $\delta$ with labels:
- (1) printed (on white paper) “MACEDONIA: | Shar Planina. | 6–7500 ft. | 8–10.VII.1958. | L.G.Higgins. | B.M.1958-379.”; (2) circle printed (on white paper with red frame) “Holo- type”; (3) printed with handwritten inscriptions [here italicized] (on white paper) “H.T. | $\delta$ B.M. TYPE | No.Rh.18034 | \textit{Erebia sharsta} | \textsc{Higgins}”; (4) handwritten (on white paper) “E. sharsta | Holotype | L. HIGGINS | $\delta$:1964”; (5) handwritten (on white paper) “i.litt.”;
- (6) printed with handwritten inscriptions [here italicized] (on white paper) “\textit{Erebia} | aethiopellus | sharsta \textsc{Higgins} | C.R. Smith det. 1986 | HOLOTYPE”; (7) printed (on white paper) “BMNH(E) # 662234”.

Paratypes 6 $\delta\delta$, 1 $\varphi$ with labels:
- [1 $\delta$] (1) handwritten in red (on white paper) “1427”; (2) printed (on white paper) “BMNH(E) # 662235”;
- [2 $\delta$] printed (on white paper) “BMNH(E) # 662236”;
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[3 ♂] printed (on white paper) “BMNH(E) # 662237”;
[4 ♂] printed (on white paper) “BMNH(E) # 662238”;
[5 ♂] printed (on white paper) “BMNH(E) # 662239”;
[6 ♂] (1) printed with handwritten inscriptions [here italicized] (on white paper) “FIELD GUIDE | Plate 16 | Fig. 14”; (2) printed (on white paper) “BMNH(E) # 662240”;
[7 ♀] (1) printed with handwritten inscriptions [here italicized] (on white paper) “AT. | ♀ B.M. TYPE | No.Rh.18035 | Erebia sharsta | Higgins.”; (2) handwritten (on white paper) “E. sharsta | allotype | L. HIGGINS | 1964”; (3) handwritten (on white paper) “i.litt.”; (4) printed (on white paper) “BMNH(E) # 662241”;


The originally mentioned type material comprised 1 more male (l.c.: 12). Types listed by Smith (1988: 1931). Temporarily, the taxon sharsta Higgins, 1965 is treated here as subspecies of Erebia rhodopensis Nicholl, 1900.

E. cassioides (Reiner & Hohenwarth, 1972)

macedonica Buresch, 1918

“[Erebia tyndarus] macedonica nov. subsp.” Buresch, I., 1918 (Beitrag zur Lepidopterenaufnahme des Piringeaberges (Pirin-Planina) in Mazedonien. – Z. wiss. InsekktBiol. 14 (9/10) (25.III.1918): 226–228, Taf. II: Fig. 10–13). Type locality: [Bulgaria]: “südlichen Teilen des Piringeaberges, im Papas-Gjol-Tale” (l.c.: 227).

Syntypes ♂, ♀ with labels:

[1 ♂] (1) printed with handwritten inscriptions [here italicized] (on purple paper) “SLIDE NO: | 759 [in red]”; (2) printed (on white paper) “BMNH(E) # 662136”;
[2 ♀] (1) printed (on white paper) “Photographed for | B.C.S. Warren.”; (2) printed (on white paper) “BMNH(E) # 662137”;


Additional type material in NMNH. Treated as a different subspecies, endemic for Pirin Mountains, Bulgaria (Abadjiev, 2001b: 57).

E. ottomana Herrich-Schäffer, [1847]

durmitorensis Warren, 1932


Lectotype ♂ (here designated) with labels:

Type specimens of Warren bear labels "HOLOTYPE" or "PARATYPE", but no indication of a selected holotype is given in the original description (cf l.c: 166). Lectotype designation here was done for the stability of nomenclature. Listed as syntypes by Vane-Wright & Ackery (1981: 113).

bureschi Warren, 1933

Lectotype ♂ with labels:

Paralectotypes 4 ♂, 1 ♀ with labels:
[1 ♂] printed (on white paper) "BMNH(E) # 662210";
[2 ♂] printed (on white paper) "BMNH(E) # 662211";
[3 ♂] (1) printed with handwritten inscriptions [here italicized] (on light yellow paper) "Specimen figured: | Monog:of Gn:Erebia. | B.C.S.Warren. | Fig. 1302 & -"; (2) printed (on white paper) "BMNH(E) # 662212";
[4 ♂] printed (on white paper) "BMNH(E) # 662213";
[5 ♀] (1) handwritten (on white paper) "Ali Botusch. | Bulg:Macedonia | 30.VII.30. | Ex I.Buresch"; (2) printed (on orange paper) "ALLOTYPE."; (3) printed with handwritten inscriptions [here italicized] (on light yellow paper) "Specimen figured: | Monog:of Gn:Erebia. | B.C.S.Warren. | Fig. 1297 & -"; (4) printed (on white paper) "BMNH(E) # 662209";

Paralectotypes 1–4 with (1) printed with handwritten inscriptions [here italicized] (on white paper) "ALLOTYPE."; (2) printed (on orange paper) "ALLOTYPE."; (3) printed with handwritten inscriptions [here italicized] (on light yellow paper) "Specimen figured: | Monog:of Gn:Erebia. | B.C.S.Warren. | Fig. 1297 & -"; (4) printed (on white paper) "BMNH(E) # 662209";

Paralectotypes 5 ♂♂ with labels:
[1] printed (on white paper) "BMNH(E) # 662215";
[2] printed (on white paper) "BMNH(E) # 662216";
[3] printed (on white paper) "BMNH(E) # 662217";
[4] printed (on white paper) "BMNH(E) # 662218";
[5] printed (on white paper) "BMNH(E) # 662219";

Paralectotypes 1-3 with printed with handwritten inscriptions [here italicized] (on white paper) "MONTEN. | Durmitor | VII.30 | O. HOLIK"; 4-5 with printed with handwritten inscriptions [here italicized] (on white paper) "MONTEN. | Durmitor | 18.7.30 | O. HOLIK"; all with (1) printed (on light yellow paper) "PARATYPE."; (2) printed (on light beige paper) "Monograph specimen; | B.C.S. Warren."; (3) printed with handwritten inscriptions [here italicized] (on white paper) "Erebia ottomana | durmitorensis Warren. | det. R.I.Vane-Wright, 1979. | ♂ SYNTYPE."; (4) printed (on white paper) "B.C.S. Warren | Bequest | B.M. 1979–101"; (5) printed (on red paper), double framed "PARALECTOTYPE ♂ | Erebia ottomana | durmitorensis Warren, 1932 | (Notes on Erebiid Species. - | Entomologist's Rec. J. Var. 44: 166) | [line] | Dr S. Abadjiev design. 2002";
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Type material originally not stated. Type specimens of Warren bear labels “HOLOTYPE”, “ALLOTYPE” or “PARATYPE”, but no indication of a selected holotype is given in the original description. Lectotype designated (ICZN, 1999: Article 74.4) and illustrated by Warren (1936: Pl. 89: Fig. 1296). Listed as syntypes by Vane-Wright & Ackery (1981: 112).

E. pronoe (ESPER, [1780])

zyxuta FRUHSTORFER, 1920


Syntypes ♀, ♂ with labels:


Both syntypes with (1) printed (on red paper) “Type”; (2) printed (on white paper) “Fruhstorfer Coll. | B.M. 1937-285.”

The name Erebia pronoe zyxuta FRUHSTORFER, 1920 is a junior primary homonym of Erebia afer zyxuta FRUHSTORFER, 1918; a replacement name “E.[rebia] pronoe... ssp. fruhstorferi nov. pro zyxuta, Frhst.” has been proposed by Warren (1933: 41). Erebia pronoe fruhstorferi Warren, 1933 is treated as a different subspecies, endemic for the Balkans (Warren, 1936: 314).

E. melas (HERBST, 1796)

leonhardi FRUHSTORFER, 1918

“E.[rebia] melas leonhardi subspec. nova” FRUHSTORFER, H., 1918a (Erebia alecto Rediviva. – Arch. Naturgesch. 82 (1916) A (7) (I.1918): 131; Taf. I: Fig. 3 [♂], 4 [♀]). Type locality: [Croatia]: “Velebit, Ostraria” (l.c.: 132).

Syntypes ♀, ♂ with labels:

[1 ♂] (1) handwritten (on white paper, framed) “melas | leonhardi | Frhst.”; (2) printed (on white paper) “BMNH(E) # 662144”;

[2 ♀] printed (on white paper) “BMNH(E) # 662145”;


Originally mentioned type material: “3 ♂♀... Eine große Serie in der Sammlung Leonhard” (l.c.: 132). Treated as a different subspecies, endemic for the Balkans (Warren, 1936: 350).
**nanos** Fruhstorfer, 1918

"Erebia melas nanos subspec. nova" Fruhstorfer, H., 1918a (Erebia alecto Rediviva. - Arch. Naturgesch. 82 (1916) A (7) (I.1918): 132; Taf. I: Fig. 1 [♂], 2 [♀]). Type locality: [Slovenia]: "Krain, Berg Nanos" (l.c.: 132).

Syntypes ♀, ♂ with labels:

[1 ♂] (1) handwritten (on white paper, framed) “melas | nanos | Frhst.”; (2) printed (on white paper) “BMNH(E) # 662148*; [2 ♀] printed (on white paper) “BMNH(E) # 662149*;

- Both syntypes with (1) printed with handwritten inscriptions [here italicized] (on white paper, framed) "Krain | Nanos | Coll. O. Leonhard"; (2) printed (on red paper) “Type”; (3) printed (on white paper) “Fruhstorfer Coll. | B.M. 1937-285.”

The originally mentioned type material consisted of “3 ♂♂, 2 ♀♀ Coll. Fruhstorfer" (l.c.: 132). Although it was treated as an infrasubspecific taxon (Warren, 1936: 351) the name is available.

**acoris** Fruhstorfer, 1918

"Erebia melas acoris subspec. nova" Fruhstorfer, H., 1918a (Erebia alecto Rediviva. - Arch. Naturgesch. 82 (1916) A (7) (I.1918): 132; Taf. I: Fig. 7 [♂], 8 [♀]; Taf. II: Fig. 1). Type locality: “Bulgarien, Rhodope [East Rila Mts]... Rila Planina 1900 m, Kaloverski Balkan 1700 m" (l.c.: 132).

Syntypes ♀, ♂ with labels:

[1 ♂] (1) handwritten (on white paper, framed) “melas | acoris | Frhst.”; (2) printed (on white paper) “BMNH(E) # 662146*; [2 ♀] printed (on white paper) “BMNH(E) # 662147*;


Except for “2 ♂♀ from “Rhodope”, the rest of the type material originally not stated (l.c.: 132). Although it was treated as an infrasubspecific taxon (Warren, 1936: 352) the name acoris Fruhstorfer, 1918 is available.

**E. oeme** (Hübner, [1804])

**vetulonia** Fruhstorfer, 1918

"E.[rebia] oeme vetulonia subsp. nova" Fruhstorfer, H., 1918b (Monographische Uebersicht alter und neuer Erebia-Formen. - Dt. ent. Z. Iris 31 (1917) (3/4) (1.II.1918): 93–94). Type locality: “Bosnien, vom Trebevic bei Serajewo... Maklenpass... Montenegro, Durmitor" (l.c.: 94).

Syntype ♂ with labels:

(1) printed (on red paper) “Type”; (2) printed with handwritten inscriptions [here italicized] (on white paper, framed) “Wettl Trebević | 5.7.08."; (3) handwritten (on white paper, framed) “oeme | vetulonia | Frhst."; (4) printed (on white paper) “Fruhstorfer Coll. | B.M. 1937-285.*; (5) printed (on white paper) “BMNH(E) # 662155*

The originally mentioned type material consisted of “6 ♂♂, 1 ♀” “vom Trebevic”, “8 ♂♂” from “Maklenpass” "Coll. Fruhst." and “eine grosse Serie Coll. Leonhard" (l.c.: 93). Treated as an infrasubspecific taxon (Warren, 1936: 360), but the name is available.
Melanargia Meigen, [1828]

M. galathea (Linnaeus, 1758)

 syntelia FRUHSTORFER, 1917

"Melanargia galathea... syntelia subspec. nova" FRUHSTORFER, H., 1917a (Neue Rhopaloceren aus der Sammlung Leonhard. – Arch. Naturgesch. 82 (1916) A (2) (l.1917): 20; Taf. I: Fig. 8♂, 9♀). Type locality: originally "Occupationsländer... Banat" (l.c.: 20) the exact type locality not mentioned.

Syntypes ♂, ♀ with labels:

1 ♂] (1) handwritten (on white paper, framed) "galathea | syntelia | Fruhst."; (2) printed (on white paper) "BMNH(E) # 662156";

2 ♀] printed (on white paper) "BMNH(E) # 662157";

- Both syntypes with (1) printed with handwritten inscriptions [here italicized] (on white paper) "Dalmatien | Fruhstorfer"; (2) printed (on red paper) "Type"; (3) printed (on white paper) "Fruhstorfer Coll. | B.M. 1937-285."

Description repeated by FRUHSTORFER (1917b: 5). Treated as a junior subjective synonym of Melanargia galathea satnia FRUHSTORFER, 1917 (HESSELBARTH, VAN OORSCHOT & WAGENER, 1995: 866).

tenebrosa FRUHSTORFER, 1917

"Melanargia galathea... tenebrosa subspec. nova" FRUHSTORFER, H., 1917a (Neue Rhopaloceren aus der Sammlung Leonhard. – Arch. Naturgesch. 82 (1916) A (2) (l.1917): 20; Taf. I: Fig. 7♂). Type locality: [Slovenia]: "in der Umgebung von Laibach [= Ljubljana] in Krain" (l.c.: 20).

Syntypes ♂, ♀ with labels:

1 ♂] (1) handwritten (on white paper, framed) "galathea | tenebrosa | Fruhst."; (2) printed (on white paper) "BMNH(E) # 662158";

2 ♀] printed (on white paper) "BMNH(E) # 662159";

- Both syntypes with (1) printed with handwritten inscriptions [here italicized] (on white paper) "Krain | Fruhstorfer"; (2) printed (on red paper) "Type"; (3) printed (on white paper) "Fruhstorfer Coll. | B.M. 1937-285."

Description repeated by FRUHSTORFER (1917b: 6); type material mentioned: "Laibach 6 ♂♂ 12 ♀♀, Novi und Zengg... 1 ♂ 3 ♀♀ Koll. Fruhstorfer" (l.c.: 6).

Satyrus Latreille, 1810

S. ferula (Fabricius, 1793)

penketia FRUHSTORFER, 1908


Syntype ♂ with labels:

(1) printed (on red paper) "Type"; (2) printed (on white paper, framed) "Griechenland | Fruhstorfer"; (3) handwritten (on light brown transparent paper) "Taygetos | Cordula";

(3) handwritten (on white paper, framed) "ferula | penketia | Fruhst."; (4) printed (on white paper) "Fruhstorfer Coll. I B.M. 1937-285"; (5) printed (on white paper) "BMNH(E) # 662160"

Type material originally mentioned: "Taygetos, Juli 1902 Dr. Krüper leg., 3 ♂♂ Coll. Fruhst." (l.c.: 351). One of the many subspecies of Satyrus ferula (Fabricius, 1793) described; the exact taxonomic status remains unclear; a revision is necessary.
serva FRUHSTORFER, 1909
"Minois... actaea serva nov. subspec." FRUHSTORFER, H., 1909c (Neue über Satyurus cordula. - Int. ent. Z. 3 (16) (17.VII.1909): 88). Type locality: "Dalmatien, Bosnien, Herzegovina" (l.c.: 88).

Syntype ♀ with labels:
1. printed (on red paper) "Type";
2. handwritten (on white paper) "Gravosa | Dalm.";
3. handwritten (on white paper, framed) "serva | Fruhst.";
4. printed (on white paper) "Fruhstorfer Coll. | B.M. 1937-285";
5. printed (on white paper) "BMNH(E) X 662161"

The type material originally mentioned consisted of "12♂♂♀... Coll. Fruhstorfer" (l.c.: 88). Additional subspecies of Satyurus ferula described; the exact taxonomic status remains unclear; needs further revision.

Hipparchia [FABRICIUS in ILLIGER], 1807 [cf TAEGER & GAEDIKE, 2001]

H. syriaca (STAUDINGER, 1871)

attikana FRUHSTORFER, 1907

Syntype ♂ [without abdomen] with labels:
1. circle printed (on white paper with blue frame) "SYN- | TYPE";
2. printed (on red paper) "Type";
3. printed (on white paper, framed) "Griechenland | Fruhstorfer";
4. printed (on white paper) "Fruhstorfer Coll. | B.M. 1937-285";
5. printed (on white paper) "BMNH(E) X 662169"

Syntype listed by KUDRNA (1977: 40). This taxon is treated as a junior subjective synonym of Satyurus hermione syriaca STAUDINGER, 1871 (KUDRNA, 1977: 37).

serula FRUHSTORFER, 1908
"Eumenis fagi serrula nov. subspec." FRUHSTORFER, H., 1908c (Neue europäische Satyriden. - Ent. Z. 22 (30) (24.X.1908): 121). Type locality: [Croatia]: "Dalmatien, Ragusa, Gravosa" (l.c.: 121).

Syntypes ♂ [without abdomen], ♀ with labels:
1. ♂ (1) printed in red with handwritten inscriptions in black [italicized] (on white paper) "B.M.(N.H.) | Rhopalocera | Slide No. | 11,587";
2. handwritten (on white paper, framed) "syriaca | serula | Fruhst.";
3. printed (on white paper) "BMNH(E) # 662170";
4. ♀ (printed on white paper) "BMNH(E) # 662171"
- Both syntypes with additional (1) printed with handwritten inscriptions [here italicized] (on light brown paper) "Dalmatia | Fruhstorfer";
5. (2) printed (on white paper) "Fruhstorfer Coll. | B.M. 1937-285";
6. (3) circle printed (on white paper with blue frame) "SYN- | TYPE";
7. (4) printed (on red paper) "Type";

H. aristaeus (Bonelli, 1826)

senthes Fruhstorfer, 1908
“Eumenis (Satyrus)... semele senthes nova subspec.” Fruhstorfer, H., 1908b (Neue palearktische Satyriden. – Int. ent. Z. 2 (11.IV.1908): 10). Type locality: [Greece]: “Taygetos” (l.c.: 10).

Lectotype ♀ [without abdomen] with labels:

Paralectotype ♀ with labels:

Lectotype designated by Kudrna (1977: 116) and illustrated by Olivier & Coutsis (1997: Pl. 2: Fig. 7). Paralectotype illustrated by Olivier & Coutsis (1997: Pl. 2: Fig. 8). Treated as a different subspecies of Hipparchia algirica (Oberthür, 1876) (Kudrna, 1977: 113); later of Hipparchia aristaeus (Bonelli, 1826) (Hesselbarth, van Oorschot & Wagener, 1995: 900) and as a different species, Hipparchia senthes (Fruhstorfer, 1908) (Olivier & Coutsis, 1997: 204).

H. statilinus (Hufnagel, 1766)
pisistratus Fruhstorfer, 1908

Syntypes ♂ [without abdomen], ♀ with labels:
[2 ♀] (1) circle printed (on white paper with red frame) “Type | A T”; (2) printed (on red paper) “Type”; (3) printed with handwritten inscriptions [here italicized] (on white paper) “SYNTYPE | Eumenis statilinus | pisistratus | Fruhstorfer | det. P.R.Ackery 1977”; (4) printed (on white paper) “BMNH(E) # 662172”;

Both syntypes with (1) printed (on white paper) “Istrien”; (2) printed (on white paper)
"Fruhstorfer Coll. | B.M. 1937-285"; (3) circle printed (on white paper with blue frame) "SYN- | TYPE".


vevtius FRUHSTORFER, 1908

Holotype ♂ with labels:
- (1) circle printed (on white paper with blue frame) "SYN- | TYPE"; (2) printed (on red paper) "Type"; (3) handwritten (on white paper) "allionia ♂ | Griechenland | 79. Krüper"; (4) printed (on white paper) "Fruhstorfer Coll. | B.M. 1937-285"; (5) printed in red with handwritten inscriptions in black [here italicized] (on white paper) "B.M. (N.H.) | Rhopalocera | Slide No. | 11,575"; (6) printed with handwritten inscriptions [here italicized] (on white paper) "HOLOTYPE | Eumenis statilinus | vettius Fruhstorfer | det. P.R.Ackery 1977"; (7) handwritten (on white paper, framed) "statilinus | vettius Frühst."; (8) printed (on white paper) "BMNH(E) # 662174".


Brintesia FRUHSTORFER, [1911]

B. circe (FABRICIUS, 1775)

pannonia FRUHSTORFER, 1917

Syntype ♂ with labels:
- (1) printed (on red paper) "Type"; (2) printed (on white paper) "Zengg | Ullrich | 1913.VI."; (3) handwritten (on white paper, framed) "circe | pannonia | Frhst."; (4) printed (on white paper) "Fruhstorfer Coll. | B.M. 1937-285"; (5) printed (on white paper) "BMNH(E) # 662164".

The exact type specimens number originally not stated. The taxonomic status of Brintesia circe pannonia (FRUHSTORFER, 1917) is not clarified; needs further revision.

Chazara MOORE, 1893

C. briseis (LINNAEUS, 1764)

saga FRUHSTORFER, 1909

Syntype ♀ with labels:
- (1) printed (on red paper) "Type"; (2) printed with handwritten inscriptions [here italicized] (on white paper), framed "Litorale aust. | Gorz | 24.8. 1908 | [on the left] H. STAUDER"; (3) printed (on white paper) "Fruhstorfer Coll. | B.M. 1937-285"; (4) printed (on white paper) "BMNH(E) # 662166". 
In the BMNH a male with labels: (1) printed (on red paper) “Type”; (2) handwritten (on white paper) “Dalm. Knin | VII 08”; (3) handwritten (on white paper, framed) “briseis | saga | Fruhst.”; (4) printed (on white paper) “Fruhstorfer Coll. | B.M. 1937-285”; (5) printed (on white paper) “BMNH(E) f 662165* exists; probably not a syntype. Type material originally mentioned consisted of “10 ♂♂, 12 ♀♀ Koll. Fruhstorfer* from “Görz” (l.c.: 211). The exact taxonomic status of *Chazara briseis saga* (Fruhstorfer, 1909) remains unclear; a revision is necessary.

_Pseudochazara_ de lesse, 1951

*P. anthelea* (Hübner, [1824])

_schawerdae_ Fruhstorfer, 1908


Syntype ♂♂ with labels:
(1) printed (on red paper) “Type”; (2) printed with handwritten inscriptions [here italicized] (on white paper), double framed “Hercegowina | Lastvo | Juli | Dr. Schawerda”; (3) handwritten (on white paper, framed) “anthelea | schawerdae | Fruhst.”; (4) printed (on white paper) “Fruhstorfer Coll. | B.M. 1937-285”; (5) printed (on white paper) “BMNH(E) t 662162*

Additional ♀ with labels: (1) printed (on red paper) “Type”; (2) handwritten (on white paper) “Herzegowina | Lastoa, July, | 1908 | [line] | This label added | by G.T.”; (3) printed (on white paper) “Fruhstorfer Coll. I B.M. 1937-285”; (4) printed (on white paper) “BMNH(E) # 662163* is probably not a syntype.

_Melitaea_ [Fabricius in Illiger], 1807 [cf Taeger & Gaedike, 2001]

_M. arduinna_ (Esper, [1783])

_rhodopensis_ Freyer, [1836]

“Melitaea... 332. Pap. Rhodopensis” Freyer, C. F., [1836] (Neuere Beiträge zur Schmetterlingskunde... 3 (33): 3; Tab. 193: Fig. 1). Type locality: “europäischen Türkei” (l.c.: 3).

Original description (see also Colour plate I: Fig. 11):

Gen. I.*) Melitaea.

Tab. 193. Fig. 1.

Ein in der europäischen Türkei durch Herrn Dr. Frivalds byk in Pest ausgesun- denen und neu entdeckten Falter, der auf der Oberseite dem P. Ino aus der Unterseite dem P. Didyma ähnlich sieht, jedoch größer als beide ist.

Die Grundfarbe der Oberseite aller Flügel ist dunkler und rothbrauner als bei Ino.


Die Fransen aller Flügel gelb und schwarz gescheckt. Bemerkenswert mit dem verwandten Arten fällt der Unterschied sehr deutlich in die Augen und es ist kein Zweifel, daß dieser Falter eine eigene Art sein sollte.
Syntype ♂ with labels:
(1) handwritten (on yellow paper upperside) "Rhodopensis"; (2) printed (on white paper) "Ex coll. | Freyer."; (3) printed (on white paper) "BMNH(E) # 662226"; (4) printed (on red paper), double framed "SYNTYPE ♂ | Melitaea rhodopensis (Freyer, [1836]) | [? HOLOTYPE by monotypy] | «Melitaea... 332. Pap. Rhodopensis» | Freyer, C. F., [1836] | (Neuere Beiträge zur Schmetterlingskunde... | 3: 3; Tab. 193: Fig. 1) | [line] | Dr S. Abadjiev det. 2002"*

Treated as a junior subjective synonym of *Papilio arduinna* Esper, [1783] (Hesselbarth, van Oorschot & Wagener, 1995: 1035).

*M. athalia* (Rottemburg, 1775)

*satyra* Higgins, 1955

"M.[ellicta] athalia *mod. satyra* mod. n." Higgins, L. G., 1955 (A descriptive catalogue of the genus *Mellicta* Billberg... Trans. R. ent. Soc. Lond. 106 (1) (IV.1955): 41-42; Pl. I: Fig. 19). Type locality: "Karlovo, Bulgaria" (l.c.: Pl. I: Fig. 19).

Holotype ♂ with labels:
(1) circle printed (on white paper with red frame) "Holo- type"; (2) printed (on white paper) "Karlovo | Bulgaria | July 10-16. 1933. | L. G. Higgins."; (3) printed (on white paper) "L.G. Higgins | Bequest | 1985-476"; (4) handwritten (on white paper) "athalia satyra | holotype | 7.Mar.1955. | L.G.Higgins | illust."; (5) printed with handwritten inscriptions [italicized] (on white paper) "Mellicta athalia | *mod. Satyra Higgins* | C.R. Smith det. 1986 | HOLOTYPE"; (6) printed (on white paper) "BMNH(E) # 662242"*

Paratypes 11 ♂♂, 3 ♀♀ with labels:
[1 ♂] printed (on white paper) "BMNH(E) # 662243";
[2 ♂] (1) printed with handwritten inscriptions [here italicized] (on white paper) "FIELD GUIDE | Plate 37 | Fig. 10"; (2) printed (on white paper) "BMNH(E) # 662244";
[3 ♂] printed (on white paper) "BMNH(E) # 662245";
[4 ♂] printed (on white paper) "BMNH(E) # 662246";
[5 ♂] printed (on white paper) "BMNH(E) # 662247";
[6 ♂] printed (on white paper) "BMNH(E) # 662248";
[7 ♂] printed (on white paper) "BMNH(E) # 662249";
[8 ♂] printed (on white paper) "BMNH(E) # 662250";
[9 ♂] printed (on white paper) "BMNH(E) # 662251";
[10 ♂] printed (on white paper) "BMNH(E) # 662252";
[11 ♂] printed (on white paper) "BMNH(E) # 662253";
[12 ♀] printed (on white paper) "BMNH(E) # 662254";
[13 ♀] printed (on white paper) "BMNH(E) # 662255";
[14 ♀] printed (on white paper) "BMNH(E) # 662256";

Paratypes 2–4 and 7–8 with handwritten (on white paper) "satyra | syntype"; all the paratypes with (1) printed (on white paper) "Karlovo | Bulgaria | July 10-16. 1933. | L. G. Higgins."; (2) circle printed (on white paper with yellow frame) "Para- type"; (3) printed (on white paper) "L.G. Higgins | Bequest | 1985-476"; (4) printed with handwritten inscriptions [here italicized] (on white paper) "Mellicta athalia | *mod. Satyra Higgins* | C.R. Smith det. 1986 | PARATYPE"*

Type material originally stated consisted of "Holotype ♂ and 17 paratypes" (l.c.: 41). Listed by Smith (1988: 30). Infrasubspecific taxon.
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Fig. 1: *Parnassius apollo hermiston* Fruhstorfer, 1921, syntype ♂, “BMNH(E) # 662026”, BMNH (Photo BMNH).

Fig. 2: *Lycaena virgaureae balcanicola* Graves, 1928, holotype ♂, “BMNH(E) # 662104”, BMNH (Photo BMNH).

Fig. 3: Same as fig. 2, underside (Photo BMNH).

Fig. 4: *Lycaena virgaureae balcanicola* Graves, 1928, allotype [paratype] ♀, “BMNH(E) # 662105”, BMNH (Photo BMNH).

Fig. 5: Same as fig. 4, underside (Photo BMNH).

Fig. 6: *Lycaena candens leonhardi* Fruhstorfer, 1917, syntype ♂, “BMNH(E) # 662106”, BMNH (Photo BMNH).

Fig. 7: Same as fig. 6, underside (Photo BMNH).

Fig. 8: *Lycaena candens leonhardi* Fruhstorfer, 1917, syntype ♀, “BMNH(E) # 662107”, BMNH (Photo BMNH).

Fig. 9: Same as fig. 8, underside (Photo BMNH).

Fig. 10: “Hipparchia... 333. Pap. Phorcys” Freyer, [1836]: Tab. 193: Fig. 2.

Fig. 11: “Melitaea... 332. Pap. Rhodopensis” Freyer, [1836]: Tab. 193: Fig. 1.
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