

Some Butterfly Records from Bulgaria

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The butterflies (Rhopalocera) of Bulgaria have been fairly well studied compared with the rest of the Macrolepidoptera. The first publication on the Rhopalocera was by BACHMETJEW in 1902. There followed a fully revised list of the Macrolepidoptera of Bulgaria by REBEL (1903) and a catalogue of the Rhopalocera by BURESH and TULESHKOW (1929-30).

The present paper gives records of 40 rare species which have been previously noted from single localities only. The material was collected mainly in South-West and South Bulgaria, but some collecting was also done in the North. Also included are the results of a revision of specimens of the genus *Hipparchia*, especially the *H. semele* group, from the National Natural History Museum in Sofia.

Systematic part

PIERIDAE DUPONCHEL, 1832.

Artogeia ergane GEYER.

From V to VIII. Dragoman, village Ustina-near Pestera (coll. BOTCHAROV); Rhodopi mn. - river Vatcha; mine Persenk - 1.000 m, 13.VII.1981.

Artogeia krueperi STAUDINGER.

Kožuch near Petrić, 30.VI.1982; Pirin mn., Bansko, 1.000 m, 10.VII.1982. This is the highest locality that the species has been captured in Bulgaria.

Euchloë ausonia HÜBNER.

Kožuch, 20.V.1982; 14.VI.1982; Skakavitza railway station in Koniavo mn. near Kiustendil, 14.VI.1980.

Colias erate ESPER.

N. Bulgaria, Vidin in VIII (coll. PETKOV); Suburb of Razgrad in X (coll. PCHELAROV).

LYCAENIDAE LEACH, 1815.

Thecla betulae LINNAEUS.

Lozen mn. in VIII (coll. KIRIAKOV); Skakavitza in VIII (coll. KIRIAKOV).

Strymonidia pruni LINNAEUS.

Kiustendil, 18.VI.1981.

Lampides boeticus LINNAEUS.

Svilengrad in VII (coll. KIRIAKOV).

Tarucus balkanicus FREYER.

Kožuch from V to IX in two generations.

Everes argiades PALLAS.

Kožuch from V to IX in two generations.

Everes alcetas HOFFMANNSEGG.

From V to IX. Kožuch ; Skakavitza ; Belasitza mn. 700 m ; Koniavo mn., Viden – 1.400 m. ; Vidin (coll. PETKOV) ; Svilengrad (coll. KIRIAKOV).

Cupido minimus FUESSLY.

From V to VI. Rhodopi mn., mine Persenk ; Skakavitza ; Stara planina mn., Batulia (coll. KIRIAKOV).

Cupido osiris MEIGEN.

In V-VI, Lozen mn. – Pasarel (coll. KIRIAKOV) ; Rhodopi mn. (mine Persenk, Bachkovo) ; Kožuch.

Maculineaalcon DENIS & SCHIFFERMÜLLER.

In VII, Skakavitza railway station ; mine Persenk.

Iolana iolas OCHSENHEIMER.

Skakavitza in V-VI.

Plebejus pylaon sephirus FRIVALDZKY.

From V to VI. Stara planina – Belidie han (coll. BOTCHAROV) ; Skakavitza.

Eumedonia eumedon ESPER.

Koniavo mn. – Viden, 1.400 m, 19.VI.1979.

Agrodiaetus admetus ESPER.

In VII. Skakavitza ; Rila mn., Sapareva banija – 900 m.

Agrodiaetus ripartii FREYER.

In VII. Skakavitza ; mine Persenk.

Agrodiaetus escheri HÜBNER.

Studena near Pernik in VII (coll. BOTCHAROV) ; mine Persenk, 12.VII.1981.

Agrodiaetus thersites CANTENER.

Svilengrad in VIII (coll. KIRIAKOV).

Plebicula dorylas DENIS & SCHIFFERMÜLLER.

From VI to VIII. Rhodopi mn. (mine Persenk ; Trigrad) ; Skakavitza.

NYMPHALIDAE SWAINSON, 1827.

Apatura metis FREYER.

Kožuch, 26.VI.1981, 14.VI.1982 ; village Kesarevo near Tarnovo, 30.VI.1975.

Limenitis camilla LINNAEUS.

Plana mn., 3.VII.1982 ; mine Persenk, 1.VIII.1981.

Neptis sappho ESPER.

Vidin in V (coll. PETKOV).

Brenthis ino ROTTEMBURG.

Rila mn., Dilna banja in VII (coll. KIRIAKOV).

Eurodryas aurinia ROTTEMBURG.

Rhodopi mn. (mine Persenk, 5.VI.1981, 19.VII.1977 ; village Grochot – no near Devin, 13.VI.1976).

SATYRIDAE BOISDUVAL, 1833.

Melanargia larissa GEYER.

From VI to VII. Skakavitza.

Hipparchia volgensis delattini KUDRNA.

Reported as *H. semele* (BURESH and TULESHKOV, 1929). Burgas ; Vitosha mn. ; Rhodopi – Belovo.

Hipparchia algerica senthes FRUHSTORFER.

Kožuch, 14.VI.1982. Reported as *H. semele* (BURESH and TULESHKOV, 1929), Kressna defile ; Alibotush mn.

Hipparchia fatua FREYER.

Kožuch in VIII.

Satyrus ferula FABRICIUS.

Rhodopi, mine Persenk, 20.VII.1978.

Hyponphele lupina COSTA.

Kožuch in VII.

HESPERIIDAE LATREILLE, 1809.

Pyrgus armoricanus OBERTHUR.

From V to IX. Rhodopi (mine Persenk ; Halpatch) ; Skakavitza ; Svilengrad (coll. KIRIAKOV).

Pyrgus serratulae RAMBUR.

Rhodopi (mine Persenk ; h. Marziganitza) ; Skakavitza. From V to IX.

Pyrgus cinarae RAMBUR.

Rhodopi, river Lukovitza near Asenovgrad (coll. BOTCHAROV).

Pyrgus carthami HÜBNER.

Rhodopi, mine Persenk in VI.

Spialia sertorius HOFFMANNSEGG.

From V to VIII. Skakavitza ; Rhodopi (Tchepelare, mine Persenk, Halpatch, h. Marziganitza).

Carcharodus orientalis REVERDIN.

Svilengrad in VIII (coll. KIRIAKOV).

Thymelicus acteon ROTTEMBURG.

In VII. Rila mn., Sapareva banija ; mine Persenk ; Skakavitza.

Gegenes nostrodamus FABRICIUS.

Kožuch, 20.VI.1981 (coll. KAMISKAS).

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Pararge aegeria L. auf Madeira (Satyridae) (Nachtrag : *Nota lepid.*, 5 (2-3) : 117-120, 1980)

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Zur Einwanderung von *Pararge aegeria* L. auf Madeira hat sich ein neuer Gesichtspunkt ergeben.

Herr HØEGH-GULDBERG – Naturhistorisk Museum Aarhus teilte mir mit seinem Schreiben vom 19.7.82 mit, daß er *P. aegeria* schon 1967 in der Zeit vom 24.1.-7.2. auf Madeira bei Monte observiert hat.

Meine Annahme, eine Besiedlung hätte etwa im Jahre 1974 stattgefunden, muß damit revidiert werden.

Addenda zu Literatur

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