

Studies on Heterocera from Bulgaria (Lepidoptera)

by

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Samenvatting. Studies over Heterocera uit Bulgaarije (Lepidoptera). In dit artikel worden zeven nieuwe Heterocera-soorten voor de Bulgaarse fauna vermeld : *Eupithecia irriguata* Hübner, *Ecliptopera capitata* Herrich-Schäffer, *Mythimna impura* Hübner, *Cryphia amasina* Draudt, *Cryphia seladona* Christoph, *Spodoptera cilium* Guenée en *Melipotis arcuina* Hübner. Verder bleek uit nauwkeurig onderzoek dat enkele andere soorten, die vroeger uit Bulgaarije vermeld werden, moeten geschrapt worden van de lijst omdat de dieren tot andere soorten behoren. Van een heleboel andere soorten worden faunistische mededelingen gedaan.

Résumé. Études d'Hétérocères de Bulgarie (Lepidoptera). Le présent article mentionne sept hétérocères nouveaux pour la faune bulgare : *Eupithecia irriguata* Hübner, *Ecliptopera capitata* Herrich-Schäffer, *Mythimna impura* Hübner, *Cryphia amasina* Draudt, *Cryphia seladona* Christoph, *Spodoptera cilium* Guenée et *Melipotis arcuina* Hübner. De plus, il résulte d'un examen approfondi que quelques autres espèces qui furent signalées de Bulgarie antérieurement, doivent être rayées de la liste. En effet, les exemplaires examinés se rapportent à d'autres espèces. Des renseignements faunistiques concernant toute une série d'espèces sont aussi communiqués.

In this work 7 species new for the Bulgarian fauna are reported : *Eupithecia irriguata* Hübner, *Ecliptopera capitata* Herrich-Schäffer, *Mythimna impura* Hübner, *Cryphia amasina* Draudt, *Cryphia seladona* Christoph, *Spodoptera cilium* Guenée and *Melipotis arcuina* Hübner. Furthermore distribution data for rare species are given. The reports of Sphinges and Bombyces are not included in the «Catalogue of Bulgarian Sphinges and Bombyces». According to my investigations *Dryobotodes cerris* Boisduval does not occur in Bulgaria. I studied material from all the mentioned places and it always turned out to be *Dryobotodes carbonis* Wagner. The species *Chloroclysta miata* L. reported by BOTCHAROV (1959) should be determined as *Chloroclysta siterata* Hufnagel. In the same way *Narraga fasciolaria* from Stara planina collected by BOTCHAROV (GANEV & BOTCHAROV, 1982) was determined as *Narraga tessularia* Metzner. These two species must be deleted from the list of Bulgarian Geometridae, because they are the unique reports for these species in Bulgaria. The species *Conisania leineri* Freyer does not occur in Bulgaria either. All data reported for this species in fact refer to *Conisania renati* Ochsenheimer. The material which I collected from the Natural History Museum Pleven is given in the text abbreviated as : (NHMP).

Systematic part

Hepialidae

Triodia amasinus Herrich-Schäffer : Rhodopi mn., river Lukovitza near Ase-nograd, 8-ix-1983.

Triodia adriaticus Osthelder : Kressna gorge, 9-ix-1983 (coll. KIRIAKOV). All the old reports for this species refer to *T. amasinus* Herrich-Schäffer. The new mentioning of this species in Bulgaria is from great interest for its distribution, which is very local. According to WITT (1981) the distribution of *T. adriaticus* in Europe is : Istria, Macedonia-Dorjan Sea, Greece, Thermopilae, Pelopones.

Cossidae

Phragmataecia castaneae Hübner : N.-Bulgaria, Island Persina-Donau, in June (coll. NHMP).

Lasiocampidae

Trichiura crataegi Linnaeus : Rhodopi mn., mine Persenk, 900 m, 11-ix-1983; Stara planina mn., Etropol cloister, 13-ix-1983 (coll. KRUSHOVSKI).

Lasiocampa grandis Rogenhofer : v. Tzegrilovtzi near Tràn, 3-ix-1973 (coll. NHMP). Until now this species was reported only from the eastern part of the country. The presence of this species in the western part of the Balkan Peninsula was established only in Macedonia, Treska gorge (WITT, 1982).

Gastropacha populifolia Esper : N.-Bulgaria, Island Persina-Donau, in July.

Geometridae

Archiearis notha Hübner : Zemen gorge, 17-iii-1983.

Comibaena neriaria Herrich-Schäffer : South Black Sea coast, v. Varvara near Achtopol, in July (coll. LUKOV).

Euphyia scripturata Hübner : Stara Planina mn., Iskar gorge-Lakatnik, 28-vi-1983.

Ecliptopera capitata Herrich-Schäffer : Stara planina mn., Etropol cloister, 16-vii-1981 (leg. LUKOV). Vitosha mn., h.Ban, 1450 m, 23-vi-1969 (coll. VICHODZEVSKIY). Rila mn., Kostenetz, 5-vi-1971 (leg. BOTCHAROV).

Ecliptopera capitata Herrich-Schäffer : Stara Planina mn., Etropol cloister, 16-vii-1981 (leg. LUKOV). Stara Planina, h.Haidushka pesen, in July (leg. RAITCHEV).

Electrophaes corylata Thunberg : Stara Planina mn., Etropol cloister, 22-vi-1982 (leg. LUKOV). Vitosha mn., h.Ban, 1450 m, 23-vi-1969 (coll. VICHODZEVSKIY). Rila mn., Kostenetz, 5-vi-1971 (leg. BOTCHAROV).

Anticlea badiata Denis & Schiffermüller : v.Boinitza near Vidin, 24-vi-1983 (coll. PETKOV).

Eupithecia irriguata Hübner : Ograzden mn., v. Sestrino, 650 m, 23-iv-1983, 1 ♂.

Calospilos sylvata Scopoli : Stara Planina mn., h. Haidushka pesen, 29-vi-1979 (coll. NHMP).

Stegania dilectaria Hübner : v.Boinitza near Vidin, 23-iv-1983 (coll. PETKOV).

Artiora evonymaria Denis & Schiffermüller : N.-Bulgaria, h.Bozur near Gor-na Orjahovitza, 24-ix-1980 (coll. NHMP).

Serraca punctinalis Scopoli : Silistra, 22-viii-1982 (leg. PENEV). v.Boinitza, 23-iv-1983 (coll. PETKOV).

Ectropis bistortata Goeze : Island Persina, Donau, 21-vi-1982.

Gnophos sartata Treitschke : Rhodopi mn., river Lukovitza, 8-ix-1983.

Notodontidae

- Cerura vinula* Linnaeus : Rhodopi mn., r. Lukivitza, 26-iv-1983.
Drymonia melagona Borkhausen : v.Tzegrilovtzi near Tràn, 16-vi-1973 (coll. NHMP).
Drymonia querna Denis & Schiffermüller : v. Tzegrilovtzi, 27-vii-1953 (coll. NHMP).
Ptilophora plumigera Denis & Schiffermüller : v.Tzegrilovtzi, 19-x-1973 (coll. NHMP).
Ptilodontella cucullina Denis & Schiffermüller : v.Tzegrilovtzi, 18-vii-1973, (coll. NHMP).
Clostera anachoreta Denis & Schiffermüller : Vidin in May (coll. PETKOV).

Lymantriidae

- Ocneria rubea* Fabricius : v.Tzegrilovtzi, in August (coll. NHMP).

Arctiidae

- Atolmis rubricollis* Linnaeus : v.Tzegrilovtzi in June (coll. NHMP).
Diaphora luctuosa Geyer : Rhodopi mn., r. Lukovitza, 26-iv-1983.
Phragmatobia placida Freyer : Vidin in May (coll. PETKOV).
Chelis maculosa Gerning : v.Tzegrilovtzi in June (coll. NHMP).
Eucharia casta Esper : v.Tzegrilovtzi in June (coll. NHMP).

Noctuidae

- Ochropleura signifera* Denis & Schiffermüller : v.Tzegrilovtzi, 9-vi-1973 (coll. NHMP).
Eugnorisma depuncta Linnaeus : Rhodopi mn., mine Persenk, 11-ix-1983.
Eugnorisma pontica Staudinger : in the material in NHM Sofia determined as
E. depuncta I found 2 ♂ from Kressna gorge dated : 16-viii-1912 (leg. ILTCHEV) and 19-ix-1912 (leg. ILTCHEV).
Rhyacia lucipeta Denis & Schiffermüller : v.Tzegrilovtzi, 1-xi-1972 (coll. NHMP).
Chersotis rectangula Denis & Schiffermüller : v.Tzegrilovtzi, 16-vi-1973 (coll. NHMP).
Chersotis multangula Hübner : Rhodopi mn., mine Persenk, 11-ix-1983.
Chersotis cuprea Denis & Schiffermüller : Stara Planina mn., h.Pleven, 1540 m, in July (coll. NHMP).
Noctua haywardi Tams : v.Tzegrilovtzi, 1O-ix-1973 (coll. NHMP).
Xestia cohaesa Herrich-Schäffer : Kozuch, in September; Ograzden mn., v.Tchuritchene, 600 m, 16-ix-1983, 5 ♂. For the Balkan Peninsula only reported from Greece and Jugoslavian Macedonia.
Mesogona oxalina Hübner : v.Tzegrilovtzi, 16-ix-1973 (coll. NHMP).
Sideridis anapheles Nye : v.Dolni Bogorov near Sofia, 15-vi-1981, in a fero-mon trap.
Orthosia opima Hübner : Vitosha mn., Bunkera, 730 m, 8-iv-1983.

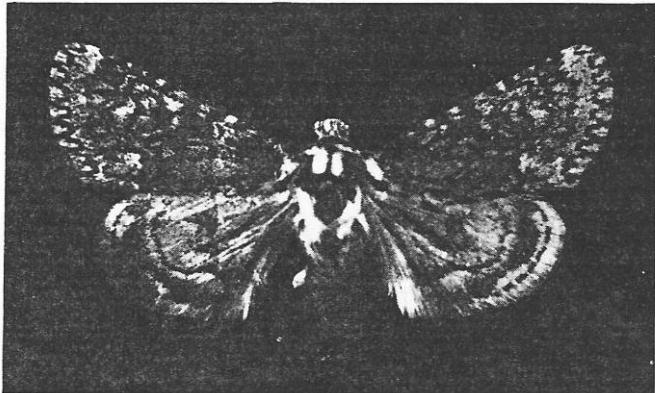


Fig. 1 : *Cryphia seladona burgesii* Draudt, Bulgaria, Kozuch, 14-ix-1983, leg. and coll. J. GANEV.
(Foto : B. ANEV, Sofia)

Orthosia gracilis Denis & Schiffermüller : Vidin, 2-iv-1981 (coll. PETKOV).

Orthosia munda Denis & Schiffermüller : Vidin, 2-iv-1983 (coll. PETKOV).

Perigrapha i-cinctum Denis & Schiffermüller : Golo Bardo mn., 3-iv-1983,
900 m.

Mythimna impura Hübner : Rhodopi mn., Tchepelare, 10-vii-1976, 1 ♂. Vito-
sha mn., Bunkera, 30-vi-1979, 1 ♂ and 1 ♀.

Mythimna congrua Hübner : Evksinograd near Varna, 5-ix-1981. Pazardzik.

Mythimna straminea Treitschke : Zemen gorge, Skakavitsa railway-station,
9-vii-1980, Kostinbrod near Sofia, 12-vii-1975.

Cucullia absinthii Linnaeus : Kiustendil, 17-vii-1974; Kostinbrod, Blagoev-
grad.

Cucullia lactucae Denis & Schiffermüller : Belasitza mn., h. Belasitza, 16-vi-
1982.

Cucullia scopariae Dorfmeister : Kressna gorge, 2-ix-1983.

Cucullia lychnitis Rambur : Kressna gorge, 22-vi-1981. Zemen gorge, Skaka-
vitsa, 29-v-1982. Kostinbrod, 12-v-1979. Rhodopi mn., mine Persenk,
5-vi-1981.

Cucullia blattariae Esper : Zemen gorge, Skakavitsa, 29-v-1982.

Episema scoriaeae Esper : Vidin in September (coll. PETKOV).

Aporophyla lutulenta Denis & Schiffermüller : Vidin, 8-x-1981 (coll. PETKOV).

Lithophane socia Hufnagel : Stara Planina mn., Etropol cloister, 12-ix-1981
(leg. KRUSHOVSKI).

Blepharita satra Denis & Schiffermüller : Rhodopi mn., mine Persenk, 11-ix-
1983; Vitosha mn., Bunkera, 30-ix-1983.

Polymixis polymita Linnaeus : Vidin in September (coll. PETKOV).

Conistra torrida Lederer : Vitosha mn., Bunkera, 28-i-1983; in a feromon
trap.

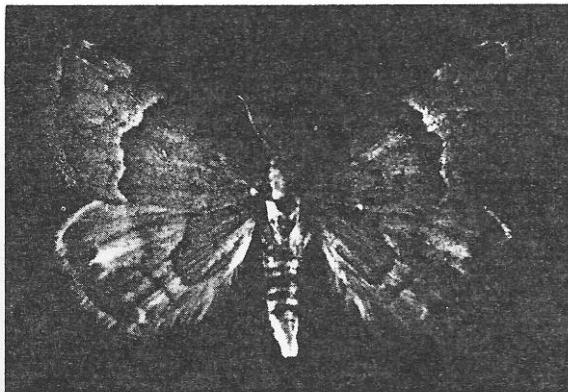


Fig. 2: *Melipotis arcuinna* Hübner, Bulgaria, Svilengrad, 5-vii-1983, leg. and coll. D. KIRIAKOV.
(Foto : B. ANEV, Sofia)

Moma alpium Osbeck : Stara Planina mn., h. Haidushka pesen, 29-vi-1979,
(coll. NHMP).

Cryphia ochsi Boursin : v. Härsovo near Blagoevgrad, in August (leg. PENEV);
Karlov, 28-vii-1962; Kressna, 20-vii-1982.

Cryphia seladona burgefi Draudt : Kressna gorge in September, Kozuch, 14-
ix-1983, 1 ♂, Ograzden mn., v. Ribnik, 16-ix-1983, 1 ♀. From the Balkan Peninsula this species is only reported from Greece and Jugoslavia.

Cryphia tephrocharis Boursin : Rhodopi mn., r. Lukovitsa, 8-ix-1983.

Cryphia amasina Draudt : Kressna gorge, 16-ix-1980; Kozuch near Petric, 1-
ix-1982, 5/12-vii-1983. Ograzden mn., v. Ribnik, 3-ix-1983, 1 ♂. From the Balkan Peninsula only reported from Jugoslavian Macedonia.

Enargia paleacea Esper : Stara Planina mn., h. Pleven in July (coll. NHMP).

Cosmia affinis Linnaeus : Rhodopi mn., r. Lukovitsa, 8-ix-1983.

Actinotia polyodon Clerck : Stara Planina mn., h. Pleven in July (coll. NHMP).

Apamea epomidion Haworth : Kressna, 31-v-1977 (leg. LUKOV).

Apamea anceps Denis & Schiffermüller : v. Boinitz near Vidin, 21-v-1983
(coll. PETKOV).

Photedes captiuncula Treitschke : Rhodopi mn., h. Belite brezi, 900 m, 2-vi-
1981.

Celaena leucostigma Hübner : v. Polski Trambesh near Tàrnovo, 10-vii-1983,
4 ♂ in a feromon trap.

Archana geminipuncta Haworth : Vitosha mn., Bunkera, 18-vii-1981.

Sesamia cretica Lederer : Kulata, Blagoevgradsko, 28-ix-1979.

Spodoptera cilium Guenée : Strandza mn., Malko Tàrnovo, 4-viii-1983, 1 ♀.

Caradrina terrea Freyer : Rhodopi mn., mine Persenk, 11-ix-1983.

Athetis gluteosa Treitschke : Silistra, 22-viii-1982 (leg. PENEV).

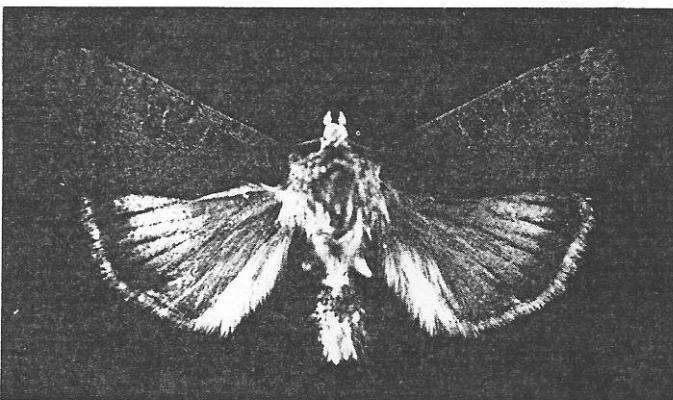


Fig. 3 : *Xestia cohaesa* Herrich-Schäffer, Bulgaria, Ograzden mn., v.Tchuritchene, 16-ix-1983,
leg. and coll. J. GANEV. (Foto : B. ANEV, Sofia)

Melipotis arcuina Hübner : Svilengrad, 5-vii-1983 (coll. KIRIAKOV).

Deltote candidula Denis & Schiffermüller : v.Boinitz near Vidin, 14-v-1983
(coll. PENEV).

Deltote candidula Denis & Schiffermüller : Silistra, 22-viii-1982 (leg. PENEV).

Abrostola asclepiadis Denis & Schiffermüller : v.Boinitz near Vidin, 14-v-
1983 (coll. PETKOV).

Catocala sponsa Linnaeus : Rhodopi mn., h.Dobra voda, 800 m, 10-vii-1983.

Catocala lupina Herrich-Schäffer : Kressna gorge in September (coll. LU-
KOV).

Polypogon tentacularia Linnaeus : v.Pantcherevo near Sofia, 3-vii-1982.

Trisateles emortualis Denis & Schiffermüller : Rhodopi mn., h.Dobra voda,
12-vii-1983.

Schrankia taenialis Hübner : Rhodopi mn., r.Lukovitza, 8-ix-1983.

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