

## Contributions to the knowledge of the Noctuidae (Lepidoptera) fauna of the NE Caucasus\*

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**Abstract** - An annotated list of 335 Noctuidae species from the NE Caucasus  
is given. In some cases comments are made on their faunistical and zoogeog-  
raphical importance.

### INTRODUCTION

The exploration of the lepidopterous fauna of the Caucasus range was started in the end of the last century and became more intensive after World War II (ALBERTI 1965, MILJANOVSKI 1964, POLTAVSKI 1981, 1982, POLTAVSKI & BARSOV 1985, POLTAVSKI & RIBIN 1980, SCHINTLMEISTER & POLTAVSKI 1986, etc.). Hungarian zoologists have joined in this research for about twenty years. The main field of their collecting activity is the Macrolepidoptera of the NE part of the main chain of the mountains and the Armenian Caucasus. Some of the results of these studies were published during this decade (VARGA 1976, 1977, RONKAY & VARGA 1985a, 1985b), present paper contains the data of the materials collected in the last two years in this region.

Within the framework between the Tolstoy State University, Groznyi and the Plant Health and Soil Conservation Station, County Komárom, Tata, two joint expeditions had been organized to the northern territories of the Caucasus: the Chechen-Ingous ASSR (=CHIASSR) and Daghestan. The aim of these expeditions was the study of the insect fauna of different zones of the mountains, from the alpine zone to the sandy steppes at the foothills. The four main districts of the collectings are the following:

- N and NE from the Kazbek range, at the W border of the CHIASSR (Furtoug, Torgim, Nelch-Assa, Shkolniy pereval, Olgeti);
- S from Groznyi, in the middle of the CHIASSR (Kerigo, Itum-Kale);
- at the Daghestan border (Kezenoy-am, Harachoy);
- NE from the main chain of the Caucasus in the steppe zone (Voskresenskoye, Starogladvovskaya).

During the first expedition the weather conditions were very pleasant and some mass flights had been observed in the medium high and high zones; while the second expedition - which was carried out about one month earlier than the previous one - had troubles with heavy rains and storms. In the first trip we had the opportunity to collect about 12,000 Lepidoptera specimens, while on the second case the amount of the collected specimens is much smaller (some 3000 items), but in this case the majority of the frequent species was captured only in small numbers.

\*Results of the Chechen-Ingous - Hungarian Zoological expeditions, No. 4.

## List of the localities, abbreviations:

M = USSR, Daghestan, Manashkent, 1.VIII.1988;  
 F = USSR, CHIASSR, Furtoug, 1000 m, 3.VIII.1988; 12.VII.1989;  
 T = USSR, CHIASSR, Torgim, 1180 m, 4-6.VIII.1988; 10.VII.1989;  
 P = USSR, CHIASSR, Shkolniy pereval, 2100 m, 5.VIII.1988, 9.VII.1989;  
 N = USSR, CHIASSR, Melch-Assa, 1300 m, 7.VIII.1988;  
 K = USSR, CHIASSR, Kerigo, 1000 m, 9-10.VIII.1988;  
 I = USSR, CHIASSR, Itum-kale, 850 m, 11.VIII.1988;  
 H = USSR, CHIASSR, Harachoy, 14.VIII.1988;  
 V = USSR, CHIASSR, Voskresenskoye, 26-29.VI.1989;  
 S = USSR, CHIASSR, Starogladovskaya, 30.VI.1989;  
 A = USSR, CHIASSR, Kezenoy-am, 1700-2000 m, 13.VIII.1988; 3-5.VII.1989;  
 O = USSR, CHIASSR, Olgeti, 1500 m, 7-8, 11.VII.1989.

In July 1989 an international soil zoological expedition was organized by the A. N. Severtzov Institute of Evolutionary Morphology and Ecology of Animals, Moscow to the C and NE Caucasus as a first in the series with the aim to explore the soil fauna of the alpine zone of the main chain of the Caucasus. The participants of this expedition, besides the Russian and local organizers, came from Austria and Hungary. One of the members of the Hungarian staff, Dr. Z. KORSÓS had collected also Lepidoptera material, containing mainly Noctuidae species. This material is not too large - about 500 specimens, - but rich in species being characteristic for this region and contains also recently undescribed taxa.

## List of localities, abbreviations

Q = USSR, Daghestan, Kurush Station, 2400 m, 7-11.VII.1989;  
 E = USSR, Kabardino-Balkarian ASSR, Elbrus, Dzhan-Tugan, 2300 m, 16-19.VII.1989.

## LIST OF SPECIES

## Noctuidae

*Euxoa* (*Chorizagrotis*) *lidia adumbrata* (EVERSMANN, 1842) - A. - One male specimen.  
*Euxoa* (*Euxoa*) *agricola* (BOISDUVAL, 1829) - F,P,T,N,K,I,A,V,S,E,O. - It was the most common noctuid species during the first expedition.  
*Euxoa ochrogaster rossica* (STAUDINGER, 1881) - A,H,I.  
*Euxoa obeliscus* ([DENIS et SCHIFFERMÜLLER], 1775) - K,I,H.  
*Euxoa nigricans* (LINNAEUS, 1761) - F,T,K,I,A,H.  
*Euxoa tritici* (LINNAEUS, 1758) - F.  
*Euxoa aquilina* ([DENIS et SCHIFFERMÜLLER], 1775) - F,A,S.  
*Euxoa* sp. - Q. - This species belongs to the *E. inclusa-hilaris* group, but differs from the known taxa by its broader wings, darker slate-grey ground colour of fore wing and dark grey-brown hind wing. Probably a new species, its closest relative is *E. uncarpa* KOZHANCHIKOV. Three fresh male specimens were collected.  
*Euxoa decora* ([DENIS et SCHIFFERMÜLLER], 1775) - A,P. - The *E. 'decora'* complex is represented by two, partly sympatric taxa in the NE Caucasus range. One of them is a pale grey, typical *decora*, resembling the C European populations and the second is the 'ssp.' *kuruschensis*. The latter taxon displays small individual variability in the materials from the different localities. Moreover, a single specimen of a third taxon was found, together with the 'typical' *decora* at the Shkolniy pass, which has very light whitish-grey colouration and rounded, unusually broad wings. This taxon seems to be the latest from the mentioned three relatives, as a similar population, being probably conspecific with the third species, was discovered in NE Turkey which flies in September (MOBERG, pers. comm.). Consequently, we think there are three distinct species, a population of *E. decora*, *E. kuruschensis* bona sp. and *E. sp.* (?sp. n.) from the NE Caucasus and NE Turkey. Dr. VARGA has the same opinion about the problem of *E. decora* and *E. kuruschensis*.

- Euxoa 'decora' kuruschensis BOURSIN, 1940 - P,K,O,Q.  
 Euxoa sp. - A. - The third species of the decora-complex.  
 Euxoa birivia ([DENIS et SCHIFFERMÜLLER], 1775) - P,T,N,K,I,O,F,Q.  
 Euxoa sp. - Q. - A single male specimen, possibly related to E. divulsa COR-TI.  
 Euxoa recussa (HÜBNER, [1814-17]) - A.  
 Agrotis segetum ([DENIS et SCHIFFERMÜLLER], 1775) - F,I,A,H.  
 Agrotis clavis (HUFNAGEL, 1766) - P,T,N,K,A,H,F,Q. - The widespread Palearctic species have some small, local populations in the Caucasus Range which display - as a convergent phenomenon - surprising similarity to the E Asiatic A. clavis amurensis STAUDINGER. The specimens from the Caucasus have smaller size and more unicolourous brown ground colour of both wings. These populations very probably represent a distinct subspecies, but, for the correct interpretation a detailed survey of the different clavis-forms from the entire area is necessary.  
 Agrotis exclamacionis (LINNAEUS, 1758) - F,A.  
 Agrotis ipsilon (HUFNAGEL, 1766) - P,T,K,I,A,F.  
 Dichagyris vallesiaca (BOISDUVAL, 1832) - K,I.  
 Dichagyris (Yigoga) renigera funebris (STAUDINGER, 18XX) - N,K,A,H,T,P,O,Q,E.  
 Dichagyris forficula (EVERSMANN, 1842) ssp. - A,H,T. - The D. erubescens-forficula complex is one of the most problematic Noctuidae groups with very many colour forms (from place to place) of the more or less sympatric taxa. As the different populations may be strongly dissimilar externally, several subspecies, variations and/or forms had been described. The genital configuration of both sexes are rather simple and highly variable, the specific differences are usually small and often statistical. Before the revision of this difficult group the subspecific splitting and the distribution pattern of the taxa are dubious. The specimens from the Caucasus are similar to the nominate race.  
 Dichagyris nigrescens (HÜFNER, 1888) - K,H.  
 Dichagyris forcipula ([DENIS et SCHIFFERMÜLLER], 1775) - F,T,K,O.  
 Dichagyris celsicola (BELLIER, 1859) - Q. - Only one male specimen was collected at the Kurush Station. This specimen differs clearly from the E Turkish D. celsicola sincera HACKER et DEFREINA, 1985, and resembles mostly to the Alpine race but significantly darker.  
 Dichagyris candelisequa ([DENIS et SCHIFFERMÜLLER], 1775) - F,P,T,K,I.  
 Dichagyris musiva (HÜBNER, [1800-03]) - P,T,N,A,Q. - The specimens have generally lighter, clear whitish hind wings as compared with the European musiva populations.  
 Dichagyris flammata ([DENIS et SCHIFFERMÜLLER], 1775) - P,T,N,K,I,H,O,F,Q.  
 Actebia praecox (LINNAEUS, 1758) - K,I,P.  
 Ochropleura plecta (LINNAEUS, 1761) - F,P,T,K,I,H,V,S.  
 Axylia putris (LINNAEUS, 1761) - T,F.  
 Parexarnis taurica STAUDINGER, 1879 - F,P,T,N,K,I,A,Q.  
 Protexarnis squalida (GUENÉE, 1852) - K,A,P,F,Q.  
 Eugnorisma depuncta (LINNAEUS, 1761) - T,K,I,H.  
 Rhyacia (Epipsilia) grisescens (FABRICIUS, 1775) - A,Q. - The specimens have very light whitish-grey colouration (with some olive-grey suffusion) and more rounded shape of fore wings, the genitalia of both sexes agree well with those of the nominate grisescens.  
 Rhyacia (Rhyacia) simulans (HUFNAGEL, 1766) - P,T,Q.  
 Rhyacia arenacea HAMPSON, 1926 - P. - A single male.  
 Rhyacia nyctymerides BANG-HAAS, 1922 - A,F.  
 Trichosilia plumbea (ALPHERAKY, 1887) - P,T,O.  
 Chersotis rectangula ([DENIS et SCHIFFERMÜLLER], 1775) - P,A.  
 Chersotis alpestris ponticola DRAUDT, 1936 - F,A,H,Q.  
 Chersotis semna (PÜNGELER, 1906) - P.  
 Chersotis multangula (HÜBNER, [1800-03]) - F,T,N,K,I,A,H.  
 Chersotis margaritacea (De VILLERS, 1789) - F,A,H.  
 Chersotis anatolica (DRAUDT, 1936) - P,Q.  
 Chersotis larixia erebina BOURSIN, 1940 - Q.  
 Chersotis laeta euxina HACKER et VARGA, in print - F.  
 Chersotis (Cyrebia) luperinoides (GUENÉE, 1852) - A,Q,E. - 20 specimens. In spite of the previous data, this species was collected only by light. The majority of the specimens appeared at the light very early.

- Ledereragrotis multifida (LEDERER, 1870) - F,P,N,A,Q.  
 Noctua pronuba (LINNAEUS, 1758) - F,P.  
 Noctua orbona (HUFNAGEL, 1766) - F,P,T,K,I,H.  
 Noctua interposita (HÜBNER, 1789) - P,V,F.  
 Noctua fimbriata (SCHREBER, 1759) - F,P,T,N,K,V.  
 Noctua janthina ([DENIS et SCHIFFERMÜLLER], 1775) - F,P,T,H,V.  
 Epilecta linogrisea ([DENIS et SCHIFFERMÜLLER], 1775) - K,S.  
 Spaelotis ravidata ([DENIS et SCHIFFERMÜLLER], 1775) - P,K,I,V,S.  
 Diarsia mendica (FABRICIUS, 1775) - F,T,N.  
 Diarsia dahlia (HÜBNER, [1808-13]) - Ö. - One male.  
 Diarsia rubi (VIEWEG, 1790) - A. - A single, possibly aberrative male was collected which differs externally from both rubi and florida; the configuration of the genitalia is identical with rubi.  
 Xestia c-nigrum (LINNAEUS, 1758) - P,T,K,F.  
 Xestia ditrapezium ([DENIS et SCHIFFERMÜLLER], 1775) - F,T,N,K,I,H,A,P.  
 Xestia triangulum (HUFNAGEL, 1766) - T,N,F.  
 Xestia ashworthii artvina DeFREINA et HACKER, 1985 - F,N,A,P,O,E.  
 Xestia baja ([DENIS et SCHIFFERMÜLLER], 1775) - F,P,T,N,K,I,H,A.  
 Xestia rhomboidea (ESPER, 1790) - N,K,I.  
 Xestia ochreago (HÜBNER, [1808-09]) - A,Q.  
 Xestia collina (BOISDUVAL, 1840) - T.  
 Xestia sexstrigata (HAWORTH, 1809) - P. - Only 1 male specimen.  
 Xestia xanthographa ([DENIS et SCHIFFERMÜLLER], 1775) - K,I.  
 Netrocerocora quadrangula (EVERSMANN, 1844) - A. - A characteristic late night-flying species, they appeared at light - even in bad weather conditions - after the midnight only, usually between 2 and 3 a. m. The series collected by light (26 specimens) contains exclusively males (?the female are wingless or short-winged).  
 Eurois occulta (LINNAEUS, 1758) - F,P,T,N,K,I,H,A,Q.  
 Anaplectoides prasina ([DENIS et SCHIFFERMÜLLER], 1775) - F,P,T,N,K,I,A,Q.

#### H a d e n i n a e

- Discestra furca (EVERSMANN, 1852) - P,A,F.  
 Discestra trifolii (HUFNAGEL, 1766) - M,F,P,T,K,I,H,V,A.  
 Discestra stigmata (CHRISTOPH, 1887) - V,S. - 15 specimens.  
 Lasionycta proxima (HÜBNER, [1808-09]) - F,P,T,N,A,O,Q.  
 Lasionycta draudti (WAGNER, 1936) - Q.  
 Hada nana (HUFNAGEL, 1766) - P,A.  
 Polia bombycina (HUFNAGEL, 1766) ssp. - F,P,T,N,K,A,E,Q,O. - The populations from the main chain of the Caucasus have a characteristic dark brown ground colour, resembling to the E Asian P. bombycina amurensis (STAUDINGER, 1892).  
 Polia hepatica (CLERCK, 1759) - A,P,E.  
 Polia nebulosa (HUFNAGEL, 1766) - F,P,T,N,K,A,I,O.  
 Polia serratilinea spalax (ALPHERAKY, 1887) - F,P,T,K,I,A,H,O,Q.  
 Pachetra sagittigera (HUFNAGEL, 1766) - A,P.  
 Sideridis sp. (herczigi VARGA et RONKAY, sp. n., in press) - F. - A single male specimen, externally resembling either a small and light S. egena or the very pale specimens of the eastern subspecies of Conisania renati OBERTHÜR, but the genitalia of the new species is very different from all the similar taxa.  
 Sideridis albicolon (HÜBNER, [1809-13]) - P,T,A.  
 Sideridis egena (LEDERER, 1853) - F.  
 Sideridis (Heliophobus) reticulata (GOEZE, 1781) - F,T,A,P,O,Q.  
 Mamestra brassicae (LINNAEUS, 1758) - I,F.  
 Mamestra (Melanchra) persicariae (LINNAEUS, 1761) - F,T,K,I,P.  
 Mamestra contigua ([DENIS et SCHIFFERMÜLLER], 1775) - K,A,T,F.  
 Mamestra w-latinum (HUFNAGEL, 1766) - F.  
 Mamestra thalassina (HUFNAGEL, 1766) - N,K,I,H,T,Q,E.  
 Mamestra suasa ([DENIS et SCHIFFERMÜLLER], 1775) - V,S,F.  
 Mamestra oleracea (LINNAEUS, 1758) - V,S,F.  
 Mamestra aliena (HÜBNER, [1808-09]) - F.  
 Mamestra blenna (HÜBNER et GEYER, [1823-24]) - V. 1 female.  
 Mamestra (Ceramica) pisi (LINNAEUS, 1758) - A.

- Mamestra (Papestra) biren (GOEZE, 1781) - E.  
 Mamestra praedita (HÜBNER, [1809-13]) - S. - 3 females. A typical xerothermic steppe-species, distributed from Asia Minor to Mongolia.  
 Hecatera bicolorata (HUFNAGEL, 1766) - P,F.  
 Hecatera cappa (HÜBNER, [1808-09]) - V. - A single male specimen.  
 Hadena rivularis (FABRICIUS, 1775) - K,H,I.  
 Hadena perplexa ([DENIS et SCHIFFERMÜLLER], 1775) - P,I,O,F.  
 Hadena irregularis (HUFNAGEL, 1766) - F.  
 Hadena luteago ([DENIS et SCHIFFERMÜLLER], 1775) - T,Q.  
 Hadena compta ([DENIS et SCHIFFERMÜLLER], 1775) - P,I,N,K,A,H,F,Q.  
 Hadena confusa (HUFNAGEL, 1766) - P,K,I,A,O,Q,E. - The populations of the NE part of the Caucasus have essentially stronger and more widespread whitish pattern of the fore wings.  
 Hadena pseudodealbata bona sp. HACKER, 1988 - N,Q. - The taxon was originally described as the NE Turkish race of *H. confusa* HUFNAGEL. This opinion is not correct, they represent two clearly different species with constant differences in the male genitalia and sympatric occurrence in the NE Caucasus and NE Turkey.  
 Hadena albimacula (BORKHAUSEN, 1792) - F,Q.  
 Hadena bicruris (HUFNAGEL, 1766) - M,V,I,O.  
 Hadena magnolii (BOISDUVAL, 1829) - F. - 1 female.  
 Hadena luteocincta (RAMBUR, 1834) - F,P.  
 Hadena defreinal HACKER, KUHNHA et GROSS, 1986 - Q. - The species was recently described from Turkey and all the published data are originated from E Turkey. The specimens from the Kurush Dagh are very dark, blackish with reduced whitish pattern.  
 Hadena melanochroa (STAUDINGER, 1891) - T,A,Q.  
 Hadena clara (STAUDINGER, 1901) - P,N,I,A,F,Q.  
 Hadena sp. - Q. - A short series of males and females of a *clara*-like, very dark species which differs from *clara* by its genital features. It shows, together with the externally highly different *Hadena* populations, close connection with the SE Iranian *H. cimelia* BRANDT, 1938. Possibly there is a relatively widespread species with fairly isolated and locally homogeneous populations (geographic races) of which the peripheric SE race has been described.  
 Hadena vulcanica TURATI, 1907 (= urumovi DRENOVSKY, 1931) - T,A.  
 Hadena tephroleuca asiatica WAGNER, 1931 - P,T.  
 Hadena (Kuruschia) dianthoecioides BOURSIN, 1940 - K,Q. - A peculiar species, one of the few endemic Noctuidae of the Caucasus. By its external appearance the species differs from the other *Hadena* groups, resembling slightly *H. clara* STAUDINGER but the configuration of the male genitalia is very close to the species of the silenes group (subg. *Anepia* HAMPSON).  
 Eriopygodes imbecilla (FABRICIUS, 1794) - A,P,T,E.  
 Cerapteryx megala tugani RONKAY ssp. n. - A. - Described in a paper by RONKAY (1990).  
 Hyssia cavernosa (EVERSMANN, 1842) - P,T,F.  
 Mythimna conigera ([DENIS et SCHIFFERMÜLLER], 1775) - F,P,T,N,I,H,A,S,O,Q.  
 Mythimna ferrago (FABRICIUS, ) - F,P,T,N,K,I.  
 Mythimna albipuncta ([DENIS et SCHIFFERMÜLLER], 1775) - F,P,I.  
 Mythimna vitellina (HÜBNER, [1803-08]) - F,P,K,I,H.  
 Mythimna straminea (TREITSCHKE, 1825) - V.  
 Mythimna impura (HÜBNER, [1803-08]) - T,K,I,A.  
 Mythimna l-album (LINNAEUS, 1767) - M,V.  
 Mythimna alopecuri (BOISDUVAL, 1840) - K,F.  
 Mythimna andereggii (BOISDUVAL, 1840) - A. - 1 male.  
 Leucania obsolata (HÜBNER, [1800-03]) - V,S.  
 Leucania comma (LINNAEUS, 1761) - T,A,P,O,F,Q.  
 Senta flammea (CURTIS, 1828) - V.

## C u c u l l i i n a e

- Cucullia absinthii (LINNAEUS, 1761) - F,O,Q.  
 Cucullia magnifica FREYER, 1839 - F,I,P,K. - 17 specimens. A xerophilous *Artemisia*-steppe species, inhabiting the xeromontane slopes of the NE Caucasus and the C Asian high mountains.

- Cucullia santonici* (HÜBNER, [1809-13]) - F. - 1 female.  
*Cucullia cineracea* FREYER, 1841 - N,K,A,P,T,F. - 18 specimens. A widespread species, occurring from the Alpes maritimes to the W Himalaya. The specimens from the Caucasus and NE Turkey are large and narrow-winged, dark graphite-grey with some bluish shade and sharp markings.  
*Cucullia lucifuga* ([DENIS et SCHIFFERMÜLLER], 1775) - P,A.  
*Cucullia umbratica* (LINNAEUS, 1758) - P,I,A,H,F,Q.  
*Cucullia behouneki korsosi* RONKAY ssp. n. - Q. - Described in a paper by RONKAY (1990).  
*Cucullia xeranthemi* BOISDUVAL, 1840 - T. - 1 female  
*Cucullia spectabilis* (HÜBNER, [1809-13]) - F. - Two male specimens. This is the westernmost known locality of the species.  
*Cucullia scopariae* DORFMEISTER, 1853 - F. - 1 male.  
*Cucullia asteris* ([DENIS et SCHIFFERMÜLLER], 1775) - I,F.  
*Cucullia gnaphalii* (HÜBNER, [1809-13]) - N,T,O.  
*Cucullia lychnitis* RAMBUR, 1833 - T,K.  
*Cucullia scrophulariae* ([DENIS et SCHIFFERMÜLLER], 1775) - K.  
*Cucullia strigicosta* BOURSIN, 1940 - Q,F.  
*Calophasia opalina* (ESPER, 1793) - V.  
*Omphalophana antirrhinii* (HÜBNER, [1808-09]) - F.  
*Brachylochia viminalis* (FABRICIUS, 1777) - P,T,N,K,I,H,F.  
*Oncocnemis nigricula* (EVERSMANN, 1847) ?ssp. - F,K. - 2 males. The few specimens known from Armenia, the NE Caucasus and NE Turkey differ from the nominate *nigricula* (S Ural) by its characteristic whitish-grey irroration and very fine markings of the fore wings and less dark marginal suffusion of the hind wings.  
*Lithophane ornitopus* (HUFNAGEL, 1766) - H.  
*Mniotype adusta* (ESPER, 1790) - F,P,T,K,I,A,O,E.  
*Parastichtis suspecta* (HÜBNER, [1814-17]) - P,T,K,I,H,V,S.  
*Xanthia icteritia* (HUFNAGEL, 1766) - N,I.

#### A c r o n i c t i n a e

- Simyra nervosa* ([DENIS et SCHIFFERMÜLLER], 1775) - V.  
*Acronicta megacephala* ([DENIS et SCHIFFERMÜLLER], 1775) - M,K,I,H,V.  
*Acronicta leporina* (LINNAEUS, 1758) - T,K,I,O.  
*Acronicta alni* (LINNAEUS, 1767) - K,I.  
*Acronicta psi* (LINNAEUS 1758) - N,K,I,H.  
*Acronicta auricoma* ([DENIS et SCHIFFERMÜLLER], 1775) - T,K,I.  
*Acronicta euphorbiae* ([DENIS et SCHIFFERMÜLLER], 1775) - T,N,I,K,F.  
*Acronicta rumicis* (LINNAEUS, 1758) - I,H,V,S.  
*Craniophora ligustri* ([DENIS et SCHIFFERMÜLLER], 1775) - N,K,H.  
*Cryphia algae* (FABRICIUS, 1775) - K,I,H,S.  
*Cryphia raptricula* ([DENIS et SCHIFFERMÜLLER], 1775) - K,I.  
*Cryphia petricolor* (LEDERER, 1870) - F,P,T,N,K,I,O.  
*Cryphia muralis* (FORSTER, 1771) - K.

#### A m p h i p y r i n a e

- Amphipyra pyramidea* (LINNAEUS, 1758) - P,T,N,K,I,H,V,F.  
*Amphipyra berbera* RUNGS, 1949 - F,K,I,H,S,Q.  
*Amphipyra perflua* (FABRICIUS, 1787) - N,K,I,H.  
*Amphipyra tragopoginis* (CLERCK, 1759) - F,P,T,K,I,H,V,S.  
*Dypterygia scabriuscula* (LINNAEUS, 1758) - K,I,F.  
*Rusina ferruginea* (ESPER, 1785) - T.  
*Trachea atriplicis* (LINNAEUS, 1758) - H,S.  
*Euplexia lucipara* (LINNAEUS, 1758) - K,I,H,O,F.  
*Phlogophora meticulosa* (LINNAEUS, 1758) - H.  
*Phlogophora scita* (HÜBNER, 1790) - F,P,T,N,K,I,O.  
*Eucarta amethystina* (HÜBNER, [1800-03]) - S.  
*Ipimorpha retusa* (LINNAEUS, 1761) - T,K.  
*Ipimorpha subtusa* ([DENIS et SCHIFFERMÜLLER], 1775) - T,N,K,I,H,V.  
*Enargia paleacea* (ESPER, 1788) - P,T,K,I,N.

- Energia abluta* (HÜBNER, [1800-03]) - V,S. - This species was frequent in the gallery forests of the river Terek; the majority of the specimens has an intensive ochreous-pinkish-reddish colour of the fore wings.
- Dyschorista ypsilon* ([DENIS et SCHIFFERMÜLLER], 1775) - T.
- Cosmia affinis* (LINNAEUS, 1767) - P,K,I,H,V,S.
- Cosmia diffinis* (LINNAEUS, 1767) - V,S.
- Cosmia trapezina* (LINNAEUS, 1758) - F,P,T,N,K,I,H,V,S.
- Auchmis detersa* (ESPER, 1791) - F,P,T,K,I,Q. - The specimens are very large and dark grey with strong and sharp markings, very similar to the ssp. "iranica" Schwingenschuss, 1937.
- Actinotia hyperici* ([DENIS et SCHIFFERMÜLLER], 1775) - K,I.
- Apamea monoglypha* (HUFNAGEL, 1766) - F,P,T,N,K,I,H,Q.
- Apamea lithoxylaea* ([DENIS et SCHIFFERMÜLLER], 1775) - K,I.
- Apamea sublustris* (ESPER, 1788) - K,F.
- Apamea crenata* (HUFNAGEL, 1766) - T,N,K,A,P,F.
- Apamea epomidion* (HAWORTH, 1809) - P,I.
- Apamea lateritia* (HUFNAGEL, 1766) - F,P,T,N,K,A,Q.
- Apamea ferrago* (EVERSMANN, 1837) - A,H,Q.
- Apamea furva* ([DENIS et SCHIFFERMÜLLER], 1775) - F,P,N,K,A,Q.
- Apamea platinea montana* (HERRICH-SCHAFFER, 1852) - P,A,Q.
- Apamea oblonga* (HAWORTH, 1809) - F,T,K,I.
- Apamea* sp. - Q,E. - This species belongs to the *zeta-exulis* group. The specimens from the Elbrus Range are greenish-grey with intensive whitish transverse lines and stigmata; it was found from this territory in high individual numbers. The Daghestan population (four specimens are known) has quite different appearance, very dark olive-grey, wing pattern reduced, only the outline of the reniform and a pale ghost of the postmedial line are visible, hind wing dark, dense fumous-grey. The male genitalia of the two forms display only minute differences. This interesting species group is under revision (MIKKOLA & VARGA, 1991).
- Apamea remissa* (HÜBNER, [1808-09]) - A,P.
- Apamea leucodon* (EVERSMANN, 1837) - Q.
- Apamea sordens* (HUFNAGEL, 1766) - T,A,P.
- Apamea scolopacina* (ESPER, 1788) - T,N,K,I.
- Apamea ophiogramma* (ESPER, 1794) - V.
- Pabulatrix pabulatricula* (BRAHM, 1791) - Q.
- Mesapamea secalis* (LINNAEUS, 1758) - F,P,T,K,I,H,V,S.
- Mesoligia furuncula* ([DENIS et SCHIFFERMÜLLER], 1775) - F.
- Mesoligia literosa* (HAWORTH, 1809) - F,T,N,K,H,I,E.
- Oligia latruncula* ([DENIS et SCHIFFERMÜLLER], 1775) - N,K,I,T,O,H.
- Photodes captiuncula* (TREITSCHKE, 1825) - P.
- Scythocentropus scripturosa* (EVERSMANN, 1854) - V. - 1 male.
- Amphipoea oculea* (LINNAEUS, 1761) - T,A.
- Amphipoea fucosa* (FREYER, 1830) - T,K,I,H.
- Hydraecia micacea* (ESPER, 1789) - I.
- Hydraecia ultima* HOLST, 1965 - S. - 1 male. A widespread Transpalearctic species which is known everywhere in very low individual numbers. The first record from the Caucasus range.
- Calamia staudingeri* WARNECKE, 1941 - K,V.
- Nonagria typhae* (THUNBERG, 1784) - V.
- Archanara geminipuncta* (HAWORTH, 1809) - V,S.
- Archanara dissoluta* (TREITSCHKE, 1825) - V,S.
- Archanara neurica* (HÜBNER, [1803-08]) - V.
- Archanara sparganii* (ESPER, 1790) - V.
- Arenostola phragmitidis* (HÜBNER, [1800-03]) - S,V.
- Hoplodrina alsines* (BRAHM, 1791) - P,N,K,I,A,F.
- Hoplodrina blanda* ([DENIS et SCHIFFERMÜLLER], 1775) - F,T,N.
- Hoplodrina pfeifferi* (BOURSIN, 1932) - A,S,P,F. - 5 males, 4 females. The species was described from Anatolia, known also from Iraq and Iran; a xerophilous species attached to very dry slopes and semi-deserts.
- Hoplodrina superstes* (OCHSENHEIMER, 1816) - F,T,N,K,I.
- Hoplodrina ambigua* ([DENIS et SCHIFFERMÜLLER], 1775) - H.
- Atypha pulmonaris miljanovskii* SCHINTLMEISTER et POLTAVSKI, 1986 - K.
- Spodoptera exigua* (HÜBNER, [1803-08]) - P,K,I,A,H.
- Caradrina morpheus* (HUFNAGEL, 1766) - M.

Platyperigea cinerascens (TENGLSTRÖM, 1870) - K,N,E.  
 Platyperigea terrea matrona VARGA et RONKAY, 1985 - N.  
 Paradrina muricolor BOURSIN, 1933 - Q.  
 Paradrina selini (BOISDUVAL, 1840) - F,T.  
 Paradrina clavipalpis (SCOPOLI, 1763) - F.  
 Eremodrina pertinax (STAUDINGER, 1879) - F,K.  
 Athetis gluteosa (TREITSCHKE, 1835) - N,K,I,H,V,A,T,D,F.  
 Athetis pallustris (HÜBNER, [1803-08]) - A.  
 Athetis furvula (HÜBNER, [1803-08]) - K,I,H.  
 Athetis lepigone (MOSCHLER, 1860) - S,V.

#### Heliothinae

Pyrrhia umbra (HUFNAGEL, 1766) - K,I,P,T.  
 Heliothis armigera (HÜBNER, [1803-08]) - M,P,K,I,A,H,S,V,F.  
 Heliothis viriplaca (HUFNAGEL, 1766) - M,I,S,V.  
 Heliothis maritima (GRASLIN, 1793) - S,V,F.  
 Heliothis peltigera ([DENIS et SCHIFFERMÜLLER], 1775) - M,P,F.  
 Protoschinia scutosa ([DENIS et SCHIFFERMÜLLER], 1775) - M,F,P,T,N,K,H,V,S.  
 Periphanes delphinii (LINNAEUS, 1758) - S.

#### Acontiinae

Eublemma ostrina (HÜBNER, [1803-08]) - F.  
 Eublemma minutata (FABRICIUS, 1794) - I. - 1 male.  
 Eublemma rosea (HÜBNER, 1790) - K,F.  
 Eublemma respersa (HÜBNER, 1790) - V.  
 Eublemma purpurina ([DENIS et SCHIFFERMÜLLER], 1775) - M,H,V,S.  
 Eublemma polygramma (DUPONCHEL, 1836) - M,F.  
 Phyllophila obliterata (RAMBUR, 1833) - V,S.  
 Lithacodia pygarga (HUFNAGEL, 1766) - T.  
 Eustrotia candidula ([DENIS et SCHIFFERMÜLLER], 1775) - I,S,F.  
 Eustrotia bankiana (FABRICIUS, 1775) - V.  
 Emmelia trabealis (SCOPOLI, 1763) - K,I,H,S,F.  
 Acontia lucida (HUFNAGEL, 1766) - V,S.  
 Acontia titania (ESPER, 1796) - I. - 1 male.

#### Euteliinae

Eutelia adulatrix (HÜBNER, [1809-13]) - K.

#### Chloephorinae

Earias chlorana (LINNAEUS, 1761) - V,K,I.  
 Earias vernana (HÜBNER, [1796-99]) - V,S.  
 Bena prasinana (LINNAEUS, 1758) - K.

#### Sarrothripinae

Nycteola asiatica (KRULIKOVSKIJ, 1904) - K.

#### Pantheinae

Colocasia coryli (LINNAEUS, 1758) - K,H.

#### Plusiinae

Abrostola triplasia (LINNAEUS, 1758) - F,N,K,I,S.  
 Abrostola asclepiadis ([DENIS et SCHIFFERMÜLLER], 1775) - I,H.  
 Abrostola agnorista DUFAY, 1956 - I.  
 Abrostola trigemina (WERNERBURG, 1864) - F,P,N,K,I,A.  
 Abrostola clarissa (STAUDINGER, 1900) - F,I. - 17 specimens. The specimens of this population differ from the C Anatolian nominate race by the lack of the yellowish-ochreous irroration of the basal and marginal field, the pu-

- bescence of the thorax is also light grey. These specimens are similar to the C Armenian ones in the mentioned features but have a significantly smaller size. Possibly a distinct subspecies.
- Euchalcia variabilis obscurior* (ALBERTI, 1965) - N,I,A,E.  
*Euchalcia consona* (FABRICIUS, 1787) - P,A,T,Q.  
*Euchalcia armeniae* DUFAY, 1966 - A. - 2 males.  
*Euchalcia biezankoi* (ALBERTI, 1965) - K,I. - 5 specimens.  
*Polychrysis moneta* (FABRICIUS, 1787) - H. - 1 female.  
*Lamprotes c-aureum* (KNOCH, 1781) - K,I,H.  
*Panchrysis deaurata* (ESPER, 1788) - A. - 2 males.  
*Plusidia cheiranthi* (TAUSCHER, 1809) - I. - 4 males.  
*Diachrysis chrysitis generosa* (STAUDINGER, 1900) - F,P,T,N,K,I,H,V,S,A,Q.  
*Diachrysis chryson* (ESPER, 1789) - T,K,I,H,F.  
*Plusia festucae* (LINNAEUS, 1758) - K,Q.  
*Macdunnoughia confusa* (STEPHENS, 1850) - K,I,H,V,F.  
*Autographa gamma* (LINNAEUS, 1758) - F,P,Q.  
*Autographa iota anatica* SCHWINGENSCHUSS, 1936 - F,P,T,N,K,A,H,E.  
*Autographa bractea* ([DENIS et SCHIFFERMÜLLER], 1775) - F,P,K,I,A,H,Q.  
*Autographa aemula elongata* (ALBERTI, 1969) - P,A,Q,E.  
*Cornutiplusia circumflexa* (LINNAEUS, 1767) - Q.  
*Syngrapha interrogationis* (LINNAEUS, 1758) - N,K.  
*Trichoplusia ni* (HÜBNER, [1800-03]) - F,P,K,I,A,H.

#### C a t o c a l i n a e

- Catocala neonympha* (ESPER, 1796) - S. - 2 females.  
*Catocala fraxini* (LINNAEUS, 1758) - I,H.  
*Catocala elocata* (ESPER, 1786) - P.  
*Catocala nupta* (LINNAEUS, 1767) - P,T,K,I,H,S.  
*Catocala promissa* ([DENIS et SCHIFFERMÜLLER], 1775) - T,N,K,I.  
*Catocala hymenaea* ([DENIS et SCHIFFERMÜLLER], 1775) - I.  
*Ephesia fulminea* (SCOPOLI, 1763) - H,S.  
*Clytie syriaca* (BUGNION, 1837) - M,V.  
*Parallelia algira* (LINNAEUS, 1767) - M,K,S.  
*Prodotis stolidia* (FABRICIUS, 1775) - M,K,I,H,V,S.  
*Euclidia glyphica* (LINNAEUS, 1758) - A,T.  
*Euclidia munita* (HÜBNER, [1809-13]) - V. - 7 specimens.  
*Callistege fortalitium* (TAUSCHER, 1809) - V. - 4 specimens.  
*Pericyma albidentaria* (FREYER, 1842) - V,S. - 3 females.  
*Tyta luctuosa* ([DENIS et SCHIFFERMÜLLER], 1775) - I,V,S,F.  
*Aleucanitis caucasica* (KOLENATI, 1846) - S,V. - 16 specimens.  
*Catephia alchymista* ([DENIS et SCHIFFERMÜLLER], 1775) - S.  
*Aedia funesta* (ESPER, 1786) - V.  
*Lygephila ludicra* (HÜBNER, 1790) - F,A,T.  
*Lygephila pastinum* (TREITSCHKE, 1826) - T,N.  
*Lygephila viciae* (HÜBNER, [1819-22]) - F. - 1 female.  
*Lygephila cracciae* ([DENIS et SCHIFFERMÜLLER], 1775) - M,N,F,K,I,V,S.  
*Autophila luxuriosa* ZERNY, 1933 - F. - 1 male. The first record of this species from the Caucasus, representing the northernmost border of its distribution.  
*Apopestes noe* RONKAY, sp. n. - A,K. - Described in a paper by RONKAY (1990).  
*Scoliopteryx libatrix* (LINNAEUS, 1758) - K.  
*Calyptra thalictri* (BORKHAUSEN, 1790) - K,I,V.  
*Acantholipes regularis* (HÜBNER, [1809-1813]) - M,V,S. - It was very common in the steppes bordering the gallery forests of the Terek valley.  
*Laspeyria flexula* ([DENIS et SCHIFFERMÜLLER], 1775) - F,T,N,K,I,H.  
*Phytometra viridaria* (CLERCK, 1759) - I,H.  
*Rivula sericealis* (SCOPOLI, 1763) - H,V.

#### H y p e n i n a e

- Polypogon tentacularia* (LINNAEUS, 1758) - A,T,O,F.  
*Herminia lunalis* (SCOPOLI, 1763) - N,K,I,H,F.  
*Herminia tarsipennalis* TREITSCHKE, 1835 - F,K,H.  
*Herminia tarsicrinalis* (KNOCH, 1782) - I.

*Herminia nemoralis* (FABRICIUS, 1775) - K.  
*Trisateles emortualis* ([DENIS et SCHIFFERMÜLLER], 1775) - F,N,K,I,H.  
*Paracolax derivalis* (HÜBNER, 1796) - F,N,K,I,S.  
*Hypena rostralis* (LINNAEUS, 1758) - V.  
*Hypena proboscidalis* (LINNAEUS, 1758) - F,T,N.  
*Hypena obesalis* TREITSCHKE, 1828 - K,A.  
*Hypena amica* (BUTLER, 1878) - K,H.  
*Rhynchodontodes revolotalis* (ZELLER, 1852) - V,S.  
*Hypenodes orientalis* STAUDINGER, 1901 - V. - 1 female.

\* \* \*

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