

## **Migrant Lepidoptera species in Macedonia and Albania, 1993**

(Lepidoptera)

by

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This report is a result of the collecting trip by the author in Macedonia and Albania during 13.–27.IX.1993. The material from June was collected by BOYAN PETROV (Sofia). The largest part of the material is from Albania, mostly taken from areas near to the sea coast (Adriatic and Ionian), as well as from the Tirana surroundings, all of them marked on the map as dark dots. The data from Macedonia (14.–16.IX.) are from three localities only, two of them marked on the map, too.

The moths in Macedonia have been collected using mainly a 400 W petromax lamp. All moths reported from Albania (September) have been collected by the author using a 250 W UV-lamp. Some of the species have been determined by genitalia. All specimens collected by the author are labelled and determined, and are part of the author's collection. For none of the species mentioned, it can be said with certainty that it has been observed as a migrating one – neither by migrating behaviour, nor by any other feature.

Since this was my first report on migrating species, and the trip as a whole had another purpose, I did not pay much attention to the migrants and hence this is the reason why I have not taken much notice of the common butterflies. But as far as moths are concerned and especially Macrolepidoptera, all the specimens collected or observed at the light trap are included in the list.

### **Family Pyralidae**

#### *Pyrausta sticticalis* (LINNAEUS, 1761)

NW. Albania, Adriatic Sea coast, Velipoja plazh, Shkodra region, 19.IX.1993, 1 male specimen collected at 250 W UV-lamp.

#### *Ostrinia nubilalis* (HÜBNER, 1796)

Tirana district, Selita e vogël (= Kopshti botanik), The Botanical Garden, 17.IX.1993, one female specimen collected, (Gen. prep. 8./16.XII.1993, BESHKOV), at 250 W UV-lamp; Vendi Kus, Qëndra koshar, Tirana region, 21.IX.1993, one female specimen at 250 W UV-lamp.

#### *Uresiphita limbalis* ([DENIS & SCHIFFERMÜLLER], 1775)

NW. Albania, West coast of Shkodra lake, Zogaj v., 20.IX.1993, BESHKOV leg., at 250 W UV-lamp, 1 male specimen.

## Family Papilionidae

### *Papilio machaon* (LINNAEUS, 1758)

Kruja, 18.IX.1993, many specimens in high speed of flight at 15:30–16:00 in direction SW–NE, 1 small male specimen collected; Ionian Sea coast, Saranda, one specimen observed.

## Family Lycaenidae

### *Lampides boeticus* (LINNAEUS, 1767)

Macedonia, Prespa lake, Oteshovo v., 15.IX.1993, a lot of specimens on *Rubus* spec. 8 male and 8 female specimens collected at lunch time, all in good condition.

## Family Geometridae

### *Cyclophora puppillaria* (HÜBNER, [1799])

SW. Albania, Ionian Sea coast, Butrinti, 25.IX.1993, BESHKOV leg., at 250 W UV-lamp, 1 male specimen (Gen. prep. 5./16.XII.1993, BESHKOV); SW. Albania, Ionian Sea coast, Dhërmi v., 400 m, Vlora region, 24.IX.1993, BESHKOV leg., at 250 W UV-lamp, 1 male specimen (Gen. prep. 6./16.XII.1993, BESHKOV).

### *Rhodometra sacraria* (LINNAEUS, 1767)

Tirana district, Selita e vogël (= Kopshti botanik), The Botanical Garden, 17.IX.1993, 1 female specimen at 250 W UV-lamp; NW. Albania, Adriatic Sea coast, Velipoja plazh, Shkodra region, 19.IX.1993, 1 male specimen at 250 W UV-lamp; NW. Albania, West coast of Shkodra lake, Zogaj v., 20.IX.1993, at 250 W UV-lamp; Vendi Kus, Qëndra koshar, Tirana region, 21.IX.1993, at 250 W UV-lamp; SW. Albania, Vendi Levan, between Fieri and Vlora, 5 km from Fieri, 23.IX.1993, at 250 W UV-lamp; Ionian Sea coast, Butrinti, 25.IX.1993, at 250 W UV-lamp, BESHKOV leg.

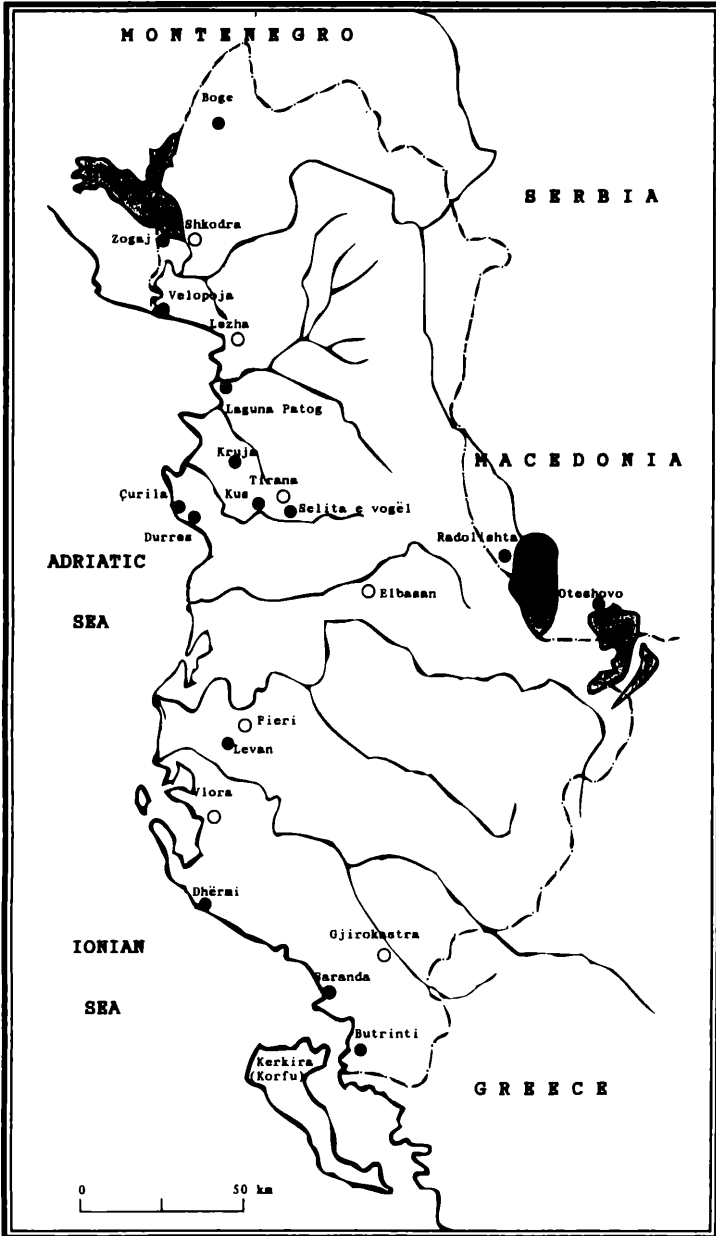
## Family Sphingidae

### *Agrius convolvuli* (LINNAEUS, 1758)

NW. Albania, West coast of Shkodra lake, Zogaj v., 20.IX.1993, at 250 W UV-lamp, some specimens; Vendi Kus, Qëndra koshar, Tirana region, 21.IX.1993, at 250 W UV-lamp, about 4–6 specimens; W. Albania, Adriatic Sea coast, Çurila near Durrës town, 22.IX.1993, BESHKOV leg., at 250 W UV-lamp; Ionian Sea coast, Dhërmi v., 400 m, Vlora region, 24.IX.1993, at 250 W UV-lamp.

### *Acherontia atropos* (LINNAEUS, 1758)

Macedonia, Demir Kapija region, Stobi near Kavadtartzi, 14.IX.1993, BESHKOV leg., at 250 W UV-lamp, one male specimen.



***Macroglossum stellatarum* (LINNAEUS, 1758)**

North Albanian Adriatic Sea coast, Laguna Patog, Loç region, 18.IX.1993, at 250 W UV-lamp, at 12:55 night; NW. Albania, Adriatic Sea coast, Velipoja plazh, Shkodra region, 19.IX.1993, one specimen at 250 W UV-lamp, at night.

***Daphnis nerii* (LINNAEUS, 1758)**

Tirana district, Selita e vogël (= Kopshti botanik), The Botanical Garden, 17.IX.1993, one female specimen at 250 W UV-lamp.

**Family Arctiidae**

***Euplagia quadripunctaria* (PODA, 1761)**

Vendi Kus, Qëndra koshar, Tirana region, 21.IX.1993, at 250 W UV-lamp; Ionian Sea coast, Dhërmi v., 400 m, Vlora region, 24.IX.1993, at 250 W UV-lamp.

**Family Noctuidae**

**Subfamily Catocalinae**

***Ophiusa tirhaca* (CRAMER, 1777)**

Ionian Sea coast, Dhërmi v., 400 m, Vlora region, 24.IX.1993, one male specimen.

***Grammodes bifasciata* (PETAGNA, 1787)**

NW. Albania, West coast of Shkodra lake, Zogaj v., 20.IX.1993, one male and two female specimens; Vendi Kus, Qëndra koshar, Tirana region, 21.IX.1993, nine specimens, four male specimens collected; SW. Albania, Vendi Levan, between Fieri and Vlora, 5 km from Fieri, 23.IX.1993, one female specimen; Ionian Sea coast, Dhërmi v., 400 m, Vlora region, 24.IX.1993, one female specimen; Ionian Sea coast, Butrinti, 25.IX.1993, one male specimen.

***Prodotis stolidus* (FABRICIUS, 1775)**

NW. Albania, Adriatic Sea coast, Velipoja plazh, Shkodra region, 19.IX.1993, at 250 W UV-lamp; NW. Albania, West coast of Shkodra lake, Zogaj v., 20.IX.1993, at 250 W UV-lamp.

***Tyta luctuosa* ([DENIS & SCHIFFERMÜLLER], 1775)**

Macedonia, Demir Kapija region, Stobi near Kavardartzi, 14.IX.1993, BESHKOV leg., at 250 W UV-lamp; Albania, Vendi Kus, Qëndra koshar, Tirana region, 21.IX.1993, at 250 W UV-lamp; SW. Albania, Vendi Levan, between Fieri and Vlora, 5 km from Fieri, 23.IX.1993, at 250 W UV-lamp.

**Subfamily Acontiinae**

***Acontia lucida* (HUFNAGEL, 1766)**

Macedonia, Demir Kapija region, Stobi near Kavardartzi, 14.IX.1993, BESHKOV leg., at 250 W

UV-lamp; NW. Albania, West coast of Shkodra lake, Zogaj v., 20.IX.1993, at 250 W UV-lamp; Vendi Kus, Qëndra koshar, Tirana region, 21.IX.1993, at 250 W UV-lamp; Ionian Sea coast, Dhërmi v., 400 m, Vlora region, 24.IX.1993, at 250 W UV-lamp; Ionian Sea coast, Butrinti, 25.IX.1993, at 250 W UV-lamp.

*Eublemma parva* (HÜBNER, [1808])

North Albanian Adriatic Sea coast, Laguna Patog, Loç region, 18.IX.1993, en masse at 250 W UV-lamp, 9 male and 12 female specimens collected; NW. Albania, Adriatic Sea coast, Velipoja plazh, Shkodra region, 19.IX.1993, single specimens at 250 W UV-lamp; NW. Albania, West coast of Shkodra lake, Zogaj v., 20.IX.1993, BESHKOV leg., at 250 W UV-lamp, 1 female specimen; Ionian Sea coast, Dhërmi v., 400 m, Vlora region, 24.IX.1993, 1 male specimen at 250 W UV-lamp.

Subfamily Plusiinae

*Macdunnoughia confusa* (STEPHENS, 1850)

W. Albania, Adriatic Sea coast, Durrës town, 12.VI.1993, B. PETROV leg., at light, 1 female specimen collected; NW. Albania, West coast of Shkodra lake, Zogaj v., 20.IX.1993, at 250 W UV-lamp, BESHKOV leg.

*Autographa gamma* (LINNAEUS, 1758)

Macedonia, Demir Kapija region, Stobi near Kavadtartzi, 14.IX.1993, BESHKOV leg., at 250 W UV-lamp; Albania, Tirana district, Selita e vogël (= Kopshti botanik), The Botanical Garden, 17.IX.1993, at 250 W UV-lamp; North Albanian Adriatic Sea coast, Laguna Patog, Loç region, 18.IX.1993, at 250 W UV-lamp; NW. Albania, Adriatic Sea coast, Velipoja plazh, Shkodra region, 19.IX.1993, at 250 W UV-lamp; NW. Albania, West coast of Shkodra lake, Zogaj v., 20.IX.1993, at 250 W UV-lamp; Vendi Kus, Qëndra koshar, Tirana region, 21.IX.1993, at 250 W UV-lamp; W. Albania, Adriatic Sea coast, Çurila near Durrës town, 22.IX.1993, BESHKOV leg., at 250 W UV-lamp; The Ionian Sea coast, Butrinti, 25.IX.1993, at 250 W UV-lamp.

*Trichoplusia ni* (HÜBNER, [1803])

NW. Albania, Adriatic Sea coast, Velipoja plazh, Shkodra region, 19.IX.1993, at 250 W UV-lamp; NW. Albania, West coast of Shkodra lake, Zogaj v., 20.IX.1993, at 250 W UV-lamp.

*Chrysodeixis chalcytes* (ESPER, [1789])

NW. Albania, West coast of Shkodra lake, Zogaj v., 20.IX.1993, at 250 W UV-lamp.

Subfamily Heliethinae

*Heliethis peltigera* ([DENIS & SCHIFFERMÜLLER], 1775)

NW. Albania, West coast of Shkodra lake, Zogaj v., 20.IX.1993, at 250 W UV-lamp.

*Helicoverpa armigera* (HÜBNER, [1808])

Tirana district, Selita e vogël (= Kopshti botanik), The Botanical Garden, 17.IX.1993, 1 female specimen at 250 W UV-lamp; NW. Albania, Adriatic Sea coast, Velipoja plazh, Shkodra

region, 19.IX.1993, at 250 W UV-lamp; NW. Albania, West coast of Shkodra lake, Zogaj v., 20.IX.1993, at 250 W UV-lamp; Vendi Kus, Qëndra koshar, Tirana region, 21.IX.1993, at 250 W UV-lamp; W. Albania, Adriatic Sea coast, Çurila near Durrës town, 22.IX.1993, BESHKOV leg., at 250 W UV-lamp; Ionian Sea coast, Dhërmi v., 400 m, Vloa region, 24.IX.1993 at 250 W UV-lamp; Ionian Sea coast, Butrinti, 25.IX.1993, at 250 W UV-lamp.

#### Subfamily Ipimorphinae

##### *Paradrina clavipalpis* (SCOPOLI, 1763)

Macedonia, Demir Kapija region, Stobi near Kavadtartzi, 14.IX.1993, BESHKOV leg., at 250 W UV-lamp; NW. Albania, West coast of Shkodra lake, Zogaj v., 20.IX.1993, one male specimen at 250 W UV-lamp, (gen. det. BESHKOV).

##### *Spodoptera exigua* (HÜBNER, [1808])

Macedonia, Demir Kapija region, Stobi near Kavadtartzi, 14.IX.1993, BESHKOV leg., at 250 W UV-lamp; NW. Albania, Adriatic Sea coast, Velipoja plazh, Shkodra region, 19.IX.1993, about 4–6 specimens, 1 female specimen collected; NW. Albania, West coast of Shkodra lake, Zogaj v., 20.IX.1993, at 250 W UV-lamp; Vendi Kus, Qëndra koshar, Tirana region, 21.IX.1993, at 250 W UV-lamp; W. Albania, Adriatic Sea coast, Çurila near Durrës town, 22.IX.1993, BESHKOV leg., at 250 W UV-lamp.

##### *Phlogophora meticulosa* (LINNAEUS, 1758)

W. Albania, Adriatic Sea coast, Çurila near Durrës town, 22.IX.1993, BESHKOV leg., at 250 W UV-lamp.

#### Subfamily Hadeninae

##### *Mythimna vitellina* (HÜBNER, [1808])

Macedonia, Demir Kapija region, Stobi near Kavadtartzi, 14.IX.1993, BESHKOV leg., at 250 W UV-lamp; N. Albanian Adriatic Sea coast, Laguna Patog, Loç region, 18.IX.1993, at 250 W UV-lamp; NW. Albania, West coast of Shkodra lake, Zogaj v., 20.IX.1993, at 250 W UV-lamp; W. Albania, Adriatic Sea coast, Çurila near Durrës town, 22.IX.1993, BESHKOV leg., at 250 W UV-lamp; Ionian Sea coast, Dhërmi v., 400 m, Vloa region, 24.IX.1993 at 250 W UV-lamp.

##### *Mythimna l-album* (LINNAEUS, 1767)

W. Albania, Adriatic Sea coast, Durrës town, 12.VI.1993, B. PETROV leg., at light, 2 specimens collected; W. Albania, Adriatic Sea coast, Çurila near Durrës town, 22.IX.1993, BESHKOV leg., at 250 W UV-lamp.

##### *Pseudaletia unipuncta* (HAWORTH, 1809)

W. Albania, Adriatic Sea coast, Durrës town, 12.VI.1993, B. PETROV leg., at light, 9 specimens collected; NW. Albania, West coast of Shkodra lake, Zogaj v., 20.IX.1993, at 250 W UV-lamp; Vendi Kus, Qëndra koshar, Tirana region, 21.IX.1993, at 250 W UV-lamp, BESHKOV leg.; W. Albania, Adriatic Sea coast, Çurila near Durrës town, 22.IX.1993, BESHKOV leg., at 250 W UV-lamp; SW. Albania, Vendi Levan, between Fieri and Vloa, 5 km from Fieri, 23.IX.1993, at 250 W UV-lamp.

## Subfamily Noctuidae

### *Noctua pronuba* LINNAEUS, 1758

N. Albania, Bogë v., 1850 m, 02.VI.1993, B. PETROV leg., at light, 1 male and 1 female specimen collected; Macedonia, Struga region, near Radolishta v., 16.IX.1993, BESHKOV leg., at baiting (red wine and shugar 1:1), one specimen; Tirana district, Selita e vogël (= Kopshti botanik), The Botanical Garden, 17.IX.1993, at 250 W UV-lamp; North Albanian Adriatic Sea coast, Laguna Patog, Loç region, 18.IX.1993, at 250 W UV-lamp; NW. Albania, Adriatic Sea coast, Velipoja plazh, Shkodra region, 19.IX.1993, at 250 W UV-lamp; NW. Albania, West coast of Shkodra lake, Zogaj v., 20.IX.1993, at 250 W UV-lamp; Vendi Kus, Qendra koshar, Tirana region, 21.IX.1993, at 250 W UV-lamp; W. Albania, Adriatic Sea coast, Çurila near Durrës town, 22.IX.1993, BESHKOV leg., at 250 W UV-lamp; Ionian Sea coast, Dhërmi v., 400 m, Vlora region, 24.IX.1993, at 250 W UV-lamp.

### *Lampra fimbriata* (SCHREBER, 1759)

Tirana district, Selita e vogël (= Kopshti botanik), The Botanical Garden, 17.IX.1993, one female specimen in bad condition at 250 W UV-lamp, (gen. prep. 3./24.XII.1993, BESHKOV).

### *Xestia c-nigrum* (LINNAEUS, 1758)

NW. Albania, West coast of Shkodra lake, Zogaj v., 20.IX.1993, at 250 W UV-lamp.

### *Peridroma saucia* (HÜBNER, [1808])

NW. Albania, West coast of Shkodra lake, Zogaj v., 20.IX.1993, at 250 W UV-lamp; Ionian Sea coast, Dhërmi v., 400 m, Vlora region, 24.IX.1993, at 250 W UV-lamp.

### *Agrotis ipsilon* (HUFNAGEL, 1766)

W. Albania, Adriatic Sea coast, Durrës town, 12.VI.1993, B. PETROV leg., at light, 1 specimen collected; Vendi Kus, Qendra koshar, Tirana region, 21.IX.1993, at 250 W UV-lamp, BESHKOV leg.

### *Agrotis exclamationis* (LINNAEUS, 1758)

Macedonia, Demir Kapija region, Stobi near Kavadtartzi, 14.IX.1993, BESHKOV leg., at 250 W UV-lamp.

### *Agrotis segetum* ([DENIS & SCHIFFERMÜLLER], 1775)

W. Albania, Adriatic Sea coast, Durrës town, 12.VI.1993, B. PETROV leg., at light, 2 female specimens collected; Macedonia, Demir Kapija region, Stobi near Kavadtartzi, 14.IX.1993, BESHKOV leg., at 250 W UV-lamp; NW. Albania, Adriatic Sea coast, Velipoja plazh, Shkodra region, 19.IX.1993, BESHKOV leg., at 250 W UV-lamp, many specimens, 1 female specimen collected.

### *Agrotis biconica* KOLLAR, 1844

Tirana district, Selita e vogël (= Kopshti botanik), The Botanical Garden, 17.IX.1993, 3 male and one female specimens at 250 W UV-lamp; North Albanian Adriatic Sea coast, Laguna Patog, Loç region, 18.IX.1993, one female specimen; NW. Albania, Adriatic Sea coast, Velipoja plazh, Shkodra region, 19.IX.1993, 3 male and 2 female specimens; West coast of

Shkodra lake, Zogaj v., 20.IX.1993, 3 male and 4 female specimens; Vendi Kus, Qëndra koshar, Tirana region, 21.IX.1993, 3 male and one female specimens; SW. Albania, Vendi Levan, between Fieri and Vlora, 5 km from Fieri, 23.IX.1993, some specimens; Ionian Sea coast, Dhërmi v., 400 m, Vlora region, 24.IX.1993, many specimens, one female specimen collected.

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