

Migrant Lepidoptera Species in Bulgaria in 1995

(Insecta, Lepidoptera)

by

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Abstract: Data for 67 species of Lepidoptera mentioned as migratory ones in EITSCHBERGER, REINHARDT & STEINIGER (1991) and collected or observed in Bulgaria by the author and some other collectors, during 1995 are reported. Two other species—*Pandoriana pandora* ([DENIS & SCHIFFERMÜLLER], 1775) and *Xylena lunifera* (WARREN, 1910)—are believed to be migratory in Bulgaria. Where possible, data on number and sex of the collected insects are given.

Moths included here had been collected at light and sugar. For sugaring, a 1:1 mixture of red wine and sugar was used. The methods of collecting of almost all the specimens are mentioned in the text. The data are given in chronological order. The systematic order of the families and within families, except for Noctuidae follows LERAUT (1980) and ARBEITSGEMEINSCHAFT NORDBAYERISCHER ENTOMOLOGEN (1988). Systematics of the family Noctuidae are given according to FIBIGER & HACKER (1990).

Few conclusions can be drawn from the collected data. Good results in the studies of the migratory Lepidoptera species can be obtained only with a cooperation of all researchers in that field. The only probably certain migration observed took place in SW Bulgaria, up the Kresna Gorge towards North Bulgaria, Resseletz near Tcherven Bryag in the Iskar Gorge at the end of July to the beginning of August. At about the same time *Daphnis nerii* (LINNAEUS, 1758), a species not collected in Bulgaria from several years, was caught in both localities.

Family Pyralidae

Euchromius ocellea (HAWORTH, 1811)

South Black Sea Coast, "Arkutino" Resting House near Arkutino Swamp and the mouth of Ropotamo River, Primorsko Region, 22.IX.1995, a single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; North Black Sea Coast, Belia Bryag (SBA) Camping between Balchik and Kavarna Towns, 2 km NE from "Tuzlata", 23.IX.1995, common species on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg. From both localities genitalia checked by B. GOATER.

Aporodes floralis (HÜBNER, [1809])

SW Bulgaria, Melnik Town, Sandanski Districts, 400 m alt., 14.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.

Hellula undalis (FABRICIUS, 1781)

East Rhodopi Mts, Zhaltichalskoto Dere near Byala Reka River by Meden Buk Village, Ivailovgrad Region, 150 m alt., 20.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV &

B. GOATER leg.; East Rhodopi Mts, Byalo Pole (Belopolyane) Village, Ivailovgrad Region, 180 m alt., 21.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.

Ostrinia nubilalis (HÜBNER, 1796)

SW Bulgaria, Kresna Gorge, Stara Kresna Railway station, 13.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Belopolyane (Byalo Pole) Village, Ivailovgrad Town Region, 180 m alt., 21.IX.1995, S. BESHKOV & B. GOATER leg. single specimen on a 160 W Hg-lamp.

Udea ferrugalis (HÜBNER, 1796)

Sofia Town, "Mladost IV" H. E., 12.IX.1995, single specimen on 125 W Hg-lamp, S. BESHKOV & B. GOATER leg.; SW Bulgaria, Kresna Gorge, Stara Kresna Railway station, 13.IX.1995, several specimens on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; SW Bulgaria, Melnik Town, Sandanski Districts, 400 m alt., 14.IX.1995, several specimens on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Arda Valley, Momina Scala Chalet near Madzharovo Town, 140 m alt., 19.IX.1995, several specimens on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Zhaltichalskoto Dere near Byala Reka River by Meden Buk Village, Ivailovgrad Region, 150 m alt., 20.IX.1995, several specimens on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; Byalo Pole (Belopolyane) Village, East Rhodopi Mts, Ivailovgrad Region, 180 m alt., 21.IX.1995, several specimens on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; South Black Sea Coast, "Arkutino" Resting House near Arkutino Swamp and the mouth of Ropotamo River, Primorsko Region, 22.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; North Black Sea Coast, Belia Bryag (SBA) Camping between Balchik and Kavarna Towns, 2 km NE from "Tuzlata", 23.IX.1995, single specimen on 160 W Hg-lamp and several specimens on sugaring, S. BESHKOV & B. GOATER leg.; SW Bulgaria, Kresna gorge, Stara Kresna railway station, 24.X.1995 on 250 W Hg-lamp and sugaring, S. BESHKOV leg.; East Rhodopi Mts, Yazovir Studen Kladenetz Dam, Sredna Arda Railway Station, 29.X.1995, BESHKOV leg., at 250 W Hg-lamp several specimens; East Rhodopi Mts, Momina Skala Chalet near Madzharovo Town, 250 W Hg-lamp, 30.X.1995, BESHKOV leg.

Nomophila noctuella ([DENIS & SCHIFFERMÜLLER], 1775)

"Staro Selo" 700 m alt. near Milanovo Village, above Iskar Gorge, 03.VI.1995, many specimens on 400 W Hg-lamp; Central Stara Planina Mts, "Vassil Levsky" Chaket above Karlovo Town, 1450 m, 07.VIII.1995, S. BESHKOV and V. Gashtarov leg. on 160 W Hg-lamp; East Rhodopi Mts, Siv Kladenetz v. near Mandritza Village, Ivailovgrad region, 31.X.1991, BESHKOV leg. single specimens; East Rhodopi Mts, Siv Kladenetz v. near Mandritza Village, Ivailovgrad region, 31.X.1995, BESHKOV leg.; East Rhodopi Mts, Yazovir Studen Kladenetz Dam, Sredna Arda Railway Station, 29.X.1995, BESHKOV leg. 250 Hg-lamp; East Rhodopi Mts, Momina Skala Chalet near Madzharovo Town, 250 W Hg-lamp, 30.X.1995, BESHKOV leg. on 250 W Hg-lamp.

Palpita unionalis (HÜBNER, 1796)

SW Bulgaria, Rozhen Village above Melnik Town, 580 m alt., 15.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Studen Kladenetz Village, Arda Valley, 180 m alt., 18.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV &

B.GOATER leg.; East Rhodopi Mts, Arda Valley, Momina Scala Chalet near Madzharovo Town, 140 m alt., 19.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Zhaltichalskoto Dere near Byala Reka River by Meden Buk Village, Ivailovgrad Region, 150 m alt., 20.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Byalo Pole (Belopolyane) Village, Ivailovgrad Region, 180 m alt., 21.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.

Actenia brunnealis (TREITSCHKE, 1829)

SW Bulgaria, Kresna Gorge, Stara Kresna Railway station, 13.IX.1995, several specimens on day time, S. BESHKOV & B. GOATER leg.; SW Bulgaria, Melnik Town, Sandanski Districts, 400 m alt., 14.IX.1995, several specimens on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.

Etiella zinckenella (TREITSCHKE, 1832)

SW Bulgaria, Melnik Town, Sandanski Districts, 400 m alt., 14.IX.1995; several specimens on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Zhaltichalskoto Dere near Byala Reka River by Meden Buk Village, Ivailovgrad Region, 150 m alt., 20.IX.1995, several specimens on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; North Black Sea Coast, Belia Bryag (SBA) Camping between Balchik and Kavarna Towns, 2 km NE from "Tuzlata", 23.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Yazovir Studen Kladenetz Dam, Sredna Arda Railway Station, 29.X.1995, BESHKOV leg. single specimen on 250 W Hg-lamp.

Family Papilionidae

Iphiclus podalirius (LINNAEUS, 1758)

SW Bulgaria, near General Todorov Railway Station, 20.IV.1995, A. ANTOV observed many specimens; Iskar Gorge, Tcherepish, 29.IV.1995, A. ANTOV observed 4–5 specimens; Resseletz Chalet, Resseletz Village, Tcherven Bryag region, 12.–14.V.1995, N. KODZHABASHEV collected 2 female specimens; SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 27.V.1995, single specimen, S. BESHKOV and D. VASSILEV leg; Kresna Gorge, 02.VIII., V. GASHTAROV leg.; East Rhodopi Mts, Haskovo Town, 18.IX.1995, S. BESHKOV & B. GOATER observed single specimen.

Papilio machaon LINNAEUS, 1758

SW Bulgaria, near General Todorov Railway Station, 20.IV.1995, A. ANTOV observed many specimens; Iskar Gorge, Tcherepish, 29.IV.1995, A. ANTOV observed 2 specimens; Near Novo Delchevo Village in SW Bulgaria, Melnik Region, 14.IX.1995, S. BESHKOV & B. GOATER observed single specimen.

Family Pieridae

Aporia crataegi (LINNAEUS, 1758)

SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 27.V.1995, single specimen, S. BESHKOV and D. VASSILEV leg.; Staro Selo Village near Gorna Dikanya, Dupnitsa Region,

780 m., 21.VI.1995, 1 female observed; above Stanke Lisichkovo Village, Blagoevgrad Region, 1060 m, 21.VI.1995, S. BESHKOV and S. ABADJIEV observed.

Pieris rapae (LINNAEUS, 1758)

SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 27.V.1995, S. BESHKOV and D. VASSILEV leg.; "Staro Selo" 700 m alt. near Milanovo Village, above Iskar Gorge, 03.VI.1995, several specimens; East Rhodopi Mts, Zhaltichalskoto Dere near Byala Reka River at Meden Buk Village, Ivailovgrad Region, 150 m alt., 20.IX.1995, common, S. BESHKOV & B. GOATER observed; East Rhodopi Mts, Perperek Village, 30.X.1995, BESHKOV leg.; East Rhodopi Mts, Kaloyantzi Village, 30.X.1995, BESHKOV leg.; East Rhodopi Mts, Ivailovgrad Town, 01.XI.1995, S. BESHKOV observed many specimens.

Pieris napi/balcana complex

Resseletz Chalet, Resseletz Village, Tcherven Bryag region, 12.–14.V.1995, N. KODZHABASHEV collected 2 males and 1 female specimens; SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 27.V.1995, S. BESHKOV and D. VASSILEV leg.

Pieris brassicae (LINNAEUS, 1758)

SW Bulgaria, near General Todorov Railway Station, 20.IV.1995, A. ANTOV observed 2 specimens; SW Bulgaria, Gorna Jumaya (Blagoevgrad) Town, 21.IV.1995, S. BESHKOV and I. STOYCHEV observed 2 specimens; SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 27.V.1995, single specimen, S. BESHKOV and D. VASSILEV leg.; Many caterpillars pupated on the wall of P. Yavorov Railway Station, Kresna Gorge, 28.V.1995, S. BESHKOV and D. VASSILEV collected 2 pupas, emerged in Sofia, 30.V.1995, 2 males;

Pontia edusa (FABRICIUS, 1777)

SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 27.V.1995, several specimens, S. BESHKOV and D. VASSILEV leg.; Kresna Gorge, 02.VIII., V. GASHTAROV leg.; SW Bulgaria, Melnik Town, Sandanski Districts, 400 m alt., 14.IX.1995, common, S. BESHKOV & B. GOATER observed; SW Bulgaria, Rozhen Village above Melnik Town, 580 m alt., 15.IX.1995, abundant, S. BESHKOV & B. GOATER observed; East Rhodopi Mts, Zhaltichalskoto Dere near Byala Reka River by Meden Buk Village, Ivailovgrad Region, 150 m alt., 20.IX.1995, common, S. BESHKOV & B. GOATER observed; East Rhodopi Mts, Perperek Village, 30.X.1995, BESHKOV leg.

Colias crocea (GEOFFROY, 1785)

SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 27.V.1995, many specimens, S. BESHKOV and D. VASSILEV leg.; SW Bulgaria, Melnik Town, Sandanski Districts, 400 m alt., 14.IX.1995, common, S. BESHKOV & B. GOATER observed; East Rhodopi Mts, Arda Valley, Momina Scala Chalet near Madzharovo Town, 140 m alt., 19.IX.1995, common, S. BESHKOV & B. GOATER observed; East Rhodopi Mts, Zhaltichalskoto Dere near Byala Reka River by Meden Buk Village, Ivailovgrad Region, 150 m alt., 20.IX.1995, common, S. BESHKOV & B. GOATER observed; East Rhodopi Mts, Yazovir Studen Kladenetz Dam, Sredna Arda Railway Station, 30.X.1995, BESHKOV leg.; East Rhodopi Mts, Perperek Village, 30.X.1995, BESHKOV leg.; East Rhodopi Mts, Kaloyantzi Village, 30.X.1995, BESHKOV leg.; East Rhodopi Mts, Ivailovgrad Town, 01.XI.1995, S. BESHKOV observed many specimens.

Gonepteryx rhamni (LINNAEUS, 1758)

Lyulyaka Chalet at Beledie Han Village, Sofia Region, 26.II.1995, seen and collected 1 male specimen; Ws Bulgaria, near General Todorov Railway Station, 20.IV.1995, A. ANTOV observed 5 males specimens; Iskar Gorge, Tcherepish, 29.IV.1995, A. ANTOV observed 2 specimens.

Family Nymphalidae

Subfamily Libytheinae

Libythea celtis (LAICHARTING in FUESSLY, [1782])

SW Bulgaria, near General Todorov Railway Station, 20.IV.1995, A. ANTOV observed many specimens.

Subfamily Nymphalinae

Nymphalis polychloros (LINNAEUS, 1758)

SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 21.IV.1995, S. BESHKOV and I. STOYCHEV observed; Iskar Gorge, Tcherepish, 29.IV.1995, A. ANTOV observed 2 specimens; Strupetz Village, Kariukovo Region, Iskar Valley, 09.IV.1995, G. STOYANOV leg. in a cave, forewing of a specimen eaten by bats; SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 27 V.1995, S. BESHKOV and D. VASSILEV leg. many caterpillars last instar on *Ulmus* sp., pupated in Sofia, 27.V.-03.VI.1995, emerged in Sofia on 14.-21.VI.1995; SW Bulgaria, Kresna Gorge, 13.IX.1995, wings of specimens eaten by bats in the tunnel under Stara Kresna Railway Station, S. BESHKOV & B. GOATER observed; SW Bulgaria, Melnik Town, 15.IX.1995, 11 specimens aestivating in the tunnel in the museum "Kordopulovata Kashta" House, S. BESHKOV & B. GOATER observed; East Rhodopi Mts, Yazovir Studen Kladenetz Dam, Sredna Arda Railway Station, 29.X.1995, S. BESHKOV observed hibernating in a building.

Nymphalis antiopa (LINNAEUS, 1758)

SW Bulgaria, near General Todorov Railway Station, 20.IV.1995, A. ANTOV observed 6 specimens, 1 of them collected.

Inachis io (LINNAEUS, 1758)

SW Bulgaria, near General Todórov Railway Station, 20.IV.1995, A. ANTOV observed many specimens; Iskar Gorge, Tcherepish, 29.IV.1995, A. ANTOV observed 8–9 specimens; SW Bulgaria, Kresna Gorge, 13.IX.1995, wings of specimens eaten by bats in the tunnel under Stara Kresna Railway Station, S. BESHKOV & B. GOATER observed.

Vanessa atalanta (LINNAEUS, 1758)

SW Bulgaria, near General Todorov Railway Station, 20.IV.1995, A. ANTOV observed many specimens; Iskar Gorge, Tcherepish, 29.IV.1995, A. ANTOV observed 2 specimens; Rhodopi

Mts, Assenova Krepost above Assenovgrad Town, 30.IX.1995, A. ANTOV leg. single specimen.

Cynthia cardui (LINNAEUS, 1758)

SW Bulgaria, near General Todorov Railway Station, 20.IV.1995, A. ANTOV observed many specimens; Iskar Gorge, Tcherepish, 29.IV.1995, A. ANTOV observed 3 specimens; SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 27.V.1995, many specimens, S. BESHKOV and D. VASSILEV leg.; "Staro Selo" 700 m alt. near Milanovo Village, above Iskar Gorge, 03.VI.1995, many specimens; Black Sea coast. between Ravda and Nessebar, 2 km south of Nessebar, 27 VI.1995, DIMITAR VASSILEV leg. on a lamp.

Aglais urticae (LINNAEUS, 1758)

Pleven Town, 19.II.1995, several specimens on flowers; Central Stara Planina Mts, Dobrila Chalet, 1750 m, 06.VIII.1995, S. BESHKOV and V. GASHTAROV observed solitary specimens.

Polygonia c-album (LINNAEUS, 1758)

Iskar Gorge, Tcherepish, 29.IV.1995, A. ANTOV observed 3 specimens.

Pandoriana pandora ([DENIS & SCHIFFERMÜLLER], 1775)

SW Bulgaria, Melnik Town, Sandanski Districts, 400 m alt., 14.IX.1995, abundant, S. BESHKOV & B. GOATER observed; W Bulgaria, Rozhen Village above Melnik Town, 580 m alt., 15.IX.1995, common, S. BESHKOV & B. GOATER observed; East Rhodopi Mts, Arda Valley, Momina Scala Chalet near Madzharovo Town, 140 m alt., 19.IX.1995, common, S. BESHKOV & B. GOATER observed; Central Bulgaria, Stara Zagora Town, 22.IX.1995, several specimens, S. BESHKOV & B. GOATER observed. *Pandoriana pandora* is not mentioned as a migrant species by EITSCHBERGER, REINHARDT & STEINIGER (1991). It seems possible that this species is a migrant in Bulgaria for the reason that in some years it appears in large numbers and with migratory behaviour in several places, from where it is usually absent.

Issoria lathonia (LINNAEUS, 1758)

Lyulyaka Chalet by Beledie Han Village, Sofia Region, 26.II.1995, observed many specimens on flowers; Iskar Gorge, Tcherepish, 29.IV.1995, A. ANTOV observed 4 specimens; SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 27.V.1995, numerous specimens, as well as 1 pupa, emerged in Sofia, 31.V.1995, S. BESHKOV and D. VASSILEV leg.; "Staro Selo" 700 m alt. near Milanovo Village, above Iskar Gorge, 03.VI.1995, many specimens; Central Stara Planina Mts, Dobrila Chalet, 1750 m, 06.VIII.1995, S. BESHKOV and V. GASHTAROV observed several specimens; Central Stara Planina Mt, between Dobrila and Levski Chalets, in altitude 1800–1500 m, several specimens at daytime; Black Sea Coast, Kamchia River, 18.V.1995, MILEN MARINOV leg. 1 male specimen; SW Bulgaria, Melnik Town, Sandanski Districts, 400 m alt., 14.IX.1995, common, S. BESHKOV & B. GOATER observed; East Rhodopi Mts, Zhaltichalskoto Dere near Byala Reka River by Meden Buk Village, Ivailovgrad Region, 150 m alt., 20.IX.1995, common, S. BESHKOV & B. GOATER observed; East Rhodopi Mts, Yazovir Studen Kladenetz Dam, Sredna Arda Railway Station, 30.X.1995, BESHKOV leg.

Family Lycaenidae

Lycaena phlaeas (LINNAEUS, 1761)

SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 27.V.1995, solitary specimens, S. BESHKOV and D. VASSILEV leg.; Kresna Gorge, 02.VIII., V. GASHTAROV leg.; SW Bulgaria, Melnik Town, Sandanski Districts, 400 m alt., 14.IX.1995, common, S. BESHKOV & B. GOATER observed; SW Bulgaria, Rozhen Village above Melnik Town, 580 m alt., 15.IX.1995, common, S. BESHKOV & B. GOATER observed; East Rhodopi Mts, Studen Kladenetz Village, Arda Valley, 180 m alt., 18.IX.1995, common, S. BESHKOV & B. GOATER observed; East Rhodopi Mts, Ivailovgrad Town, 01.XI.1995, S. BESHKOV observed many specimens.

Family Geometridae

Cyclophora pupillaria (HÜBNER, [1799])

East Bulgaria, Derventski Vazvishenia Hills, Melnitsa Village, Elhovo Region, 23.V.1995, during 21:30–24:00 h, P. MITOV, R. TOMOV & B. GEORGIEV leg. on Hg-lamp 1 female; SW Bulgaria, Melnik Town, Sandanski Districts, 400 m alt., 14.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Studen Kladenetz Village, Arda Valley, 180 m alt., 18.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Arda Valley, Momina Scala Chalet near Madzharovo Town, 140 m alt., 19.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Byalo Pole (Belopolyane) Village, Ivailovgrad Region, 180 m alt., 21.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.

Rhodometra sacraria (LINNAEUS, 1767)

East Rhodopi Mts, Arda Valley, Momina Scala Chalet near Madzharovo Town, 140 m alt., 19.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Zhaltichalskoto Dere near Byala Reka River by Meden Buk Village, Ivailovgrad Region, 150 m alt., 20.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Byalo Pole (Belopolyane) Village, Ivailovgrad Region, 180 m alt., 21.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.

Family Sphingidae

Agrius convolvuli (LINNAEUS, 1758)

Kresna Gorge, 01.VIII.1995, more than 10 specimens, V. GASHTAROV leg; Central Stara Planina Mts, Dobrila Chalet, 1750 m, 06.VIII.1995, S. BESHKOV and V. GASHTAROV leg. on 160 W Hg-lamp 3 males and 1 female specimens; Rila Mt, Mussala Chalet, 2400 m, 05.VIII.1995, Z. KOLEV observed approximately 120 fresh specimens with a fertile females; Svoge Town, 23.IX.1995, A. ANTOV leg. 1 female resting on a lamp in the town; East Rhodopi Mts, Madzharovo Town, 19.IX.1995, one resting on a post, S. BESHKOV & B. GOATER observed.

Hyloicus pinastri (LINNAEUS, 1758)

SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 27.V.1995, single specimen on 400W Hg-lamp, S. BESHKOV and D. VASSILEV leg.; 01.VIII., Kresna Gorge, Stara Kresna Railway Station 1 female, V. GASHTAROV leg; West Rhodopi Mt, Tchairdere River, Trigrad Region, 19.VIII.1995, single caterpillar, pupated in Sofia, IX.1995.

Macroglossum stellatarum (LINNAEUS, 1758)

SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 27.V.1995, on a daytime, S. BESHKOV and D. VASSILEV leg. as well as collected 5 caterpillars last instar and 1 second instar on *Gallium* sp., pupated in Sofia, VI.1995, emerged in Sofia on 15.VI.1995; Kresna Gorge, 02.VIII., V. GASHTAROV leg.; Kresna Gorge, 03.VIII.1995, D. VASSILEV leg. one larva last instar on *Galium*, pupated in Sofia on 07.VIII.1995, emerged on 24.VIII.1995; Sofia, 17.VII.1995, D. VASSILEV leg. 1 female specimen; SW Bulgaria, Melnik Town, Sandanski Districts, 400 m alt., 14.IX.1995, several specimens on day time, S. BESHKOV & B. GOATER observed; East Rhodopi Mts, Studen Kladenetz Village, Arda Valley, 180 m alt., 18.IX.1995, common at daytime, S. BESHKOV & B. GOATER observed; East Rhodopi Mts, Byalo Pole (Belopolyane) Village, Ivailovgrad Region, 180 m alt., 21.IX.1995, single specimen on 160W Hg-lamp, S. BESHKOV & B. GOATER leg.; North Black Sea Coast, Belia Bryag (SBA) Camping between Balchik and Kavarna Towns, 2 km NE from "Tuzlata", 23.IX.1995, single specimen on 160W Hg-lamp, S. BESHKOV & B. GOATER leg.

Daphnis nerii (LINNAEUS, 1758)

01.VIII.1995, Kresna Gorge, 3 specimens on a lamp, R. RADEV leg.; 02.VIII.1995, Kresna Gorge, single specimen, V. GASHTAROV observed; Resseletz Chalet by Ressletz Village, Tcherven Bryag Region, Iskar Gorge, 30.VII.1995, A. ANTOV leg. single specimen. *Daphnis nerii* is a species not collected in Bulgaria for years. Almost the same time of collecting in both places (Kresna Gorge and Resseletz by Iskar Gorge) suggest a possible migration from the Greece Struma Valley-Iskar Valley to the north from Baklan Peninsula.

Hyles euphorbiae (LINNAEUS, 1758)

SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 20.V.1995, I. STOYCHEV and V. GASHTAROV observed 8 specimens on a lamp; SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 27.V.1995, 4 males on 400W Hg-lamp, S. BESHKOV and D. VASSILEV leg.; SW Bulgaria, Rupite near Petrich Town, many caterpillars on the roads, 09.VII.1995, D. VASSILEV leg.; SW Bulgaria, Novo Konomladi Village, 02.VIII.1995, 1 caterpillar before last instar on *Euphorbia*, D. VASSILEV leg.; 01.VIII., Kresna Gorge, V. GASHTAROV leg; Kresna Gorge, 03.VIII.1995, 7 caterpillars last instar and 1 before last instar, all on *Euphorbia*, D. VASSILEV leg.; SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 25.VIII.1995, 400W Hg-lamp, ILKO STOYCHEV leg. 2 specimens; East Rhodopi Mts, Studen Kladenetz Village, Arda Valley, 180 m alt., 18.IX.1995, single specimen on 160W Hg-lamp, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Byalo Pole (Belopolyane) Village, Ivailovgrad Region, 180 m alt., 21.IX.1995, single specimen on 160W Hg-lamp, S. BESHKOV & B. GOATER leg.

Hyles livornica (ESPER, 1780)

SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 20.V.1995, I. STOYCHEV and V. GASHTAROV observed 3 specimens on a lamp; 01.VIII., Kresna Gorge, Stara Kresna Rail-

way Station, V. GASHTAROV leg; SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 25.VIII.1995, 400 W Hg-lamp, ILKO STOYCHEV leg. 1 specimen.

Family Arctiidae

Euplagia quadripunctaria (PODA, 1761)

SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 200 m alt., 13.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Studen Kladennetz Village, Arda Valley, 180 m alt., 18.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Arda Valley, Momina Scala Chalet near Madzharovo Town, 140 m alt., 19.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.

Family Noctuidae

Subfamily Catocalinae

Catocala fraxini (LINNAEUS, 1758)

SW Bulgaria, below Karlanovo Village between Melnik and Rozhen, 22.X.1995, S. BESHKOV & V. GASHTAROV leg. hindwings; SW Bulgaria, Kresna gorge, Stara Kresna railway station, 24.X.1995 on 250 W Hg-lamp, BESHKOV leg. single female specimen without eggs.

Grammodes bifasciata (PETAGNA, 1787)

South Black Sea Coast, "Arkutino" Resting House near Arkutino Swamp and the mouth of Ropotamo River, Primorsko Region, 22.IX.1995, several specimens on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.

Prodotis stolidia (FABRICIUS, 1775)

Resseletz Chalet, Resseletz Village, Tcherven Bryag region, 12.–14.V.1995, N. KODZHABASHEV leg. on a lamp; SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 27.V.1995, single specimen on 400 W Hg-lamp, S. BESHKOV and D. VASSILEV leg.; Paril Village, 28.VII.1995, V. GASHTAROV leg.; Kresna Gorge, 02.VIII., V. GASHTAROV leg.; East Rhodopi Mts, Studen Kladennetz Village, Arda Valley, 180 m alt., 18.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Zhaltichalskoto Dere near Byala Reka River by Meden Buk Village, Ivailovgrad Region, 150 m alt., 20.IX.1995, several specimens on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Byalo Pole (Belopolyane) Village, Ivailovgrad Region, 180 m alt., 21.IX.1995, single specimen on sugaring, S. BESHKOV & B. GOATER leg.

Tyta luctuosa ([DENIS & SCHIFFERMÜLLER], 1775)

East Bulgaria, Derventski Vazvishenia Hills, Melnitsa Village, Elhovo Region, 23.V.1995, during 21:30–24:00h, P. Mitov, R. Tomov & B. GEORGIEV leg. on Hg-lamp 1 male; SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 27.V.1995, 1 male on 400 W Hg-lamp and at daytime, S. BESHKOV and D. VASSILEV leg.; Reka Izvorska River, north of Izvor Village,

01.V.1995, MILEN MARINOV leg. 1 male specimen; SW Bulgaria, Melnik Town, Sandanski Districts, 400 m alt., 14.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.

Subfamily Sarrothripinae

Nycteola asiatica (KRULIKOVSKY, 1904)

East Rhodopi Mts, Studen Kladenetz Village, Arda Valley, 180 m alt., 18.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.

Subfamily Acontiinae

Acontia lucida (HUFNAGEL, 1766)

East Bulgaria, Derventski Vazvishenia Hills, Melnitsa Village, Elhovo Region, 23.V.1995, during 21:30–24:00 h, P. MITOV, R. TOMOV & B. GEORGIEV leg. on Hg-lamp 1 male; SW Bulgaria, Melnik Town, Sandanski Districts, 400 m alt., 14.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Studen Kladenetz Village, Arda Valley, 180 m alt., 18.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Byalo Pole (Belopolyane) Village, Ivailovgrad Region, 180 m alt., 21.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.

Subfamily Plusiinae

Macdunnoughia confusa (STEPHENS, 1850)

Resseletz Chalet, Resseletz Village, Tcherven Bryag region, 12.–14.V.1995, N. KODZHABASHEV leg. on a lamp; SW Bulgaria, "Rupite" near Volcanic Hill of Kozhuh near Petrich Town, 21.V.1995, I. STOYCHEV and V. GASHTAROV observed 4 specimens on a lamp; SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 27.V.1995, 1 male on 400 W Hg-lamp, S. BESHKOV and D. VASSILEV leg.; South Black Sea Coast, "Arkutino" Resting House near Arkutino Swamp and the Mouth of Ropotamo River, Primorsko Region, 22.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.

Autographa gamma (LINNAEUS, 1758)

SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 20.V.1995, I. STOYCHEV and V. GASHTAROV observed single specimen on a lamp; East Bulgaria, Derventski Vazvishenia Hills, Melnitsa Village, Elhovo Region, 23.V.1995, during 21:30–24:00 h, P. MITOV, R. TOMOV & B. GEORGIEV leg. on Hg-lamp 1 male; SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 27.V.1995, 2 females on 400 W Hg-lamp, S. BESHKOV and D. VASSILEV leg.; Milanovo Village, above Iskar Gorge, 840 m alt., 03.VI.1995, single specimen on daytime; Pirin Mt, Peyo Yavorov Chalet, 1800 m, 07.VII.1995, S. ABADJIEV leg. on 250 W Hg-lamp; Central Stara Planina Mts, Dobrila Chalet, 1750 m, 06.VIII.1995, S. BESHKOV and V. GASHTAROV leg. on 160 W Hg-lamp 3 females; Black Sea Coast, Atanassovsko Ezero Lake near Burgas Town, 13.V.1995, MILEN MARINOV leg. 1 male specimen; Black Sea Coast, Shabla Town, 16.V.1995,

MILEN MARINOV leg. 1 male specimen; Kresna Gorge, 02.VIII., V. GASHTAROV leg.; W Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 200 m alt., 13.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; SW Bulgaria, Melnik Town, Sandanski Districts, 400 m alt., 14.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Studen Kladenetz Village, Arda Valley, 180 m alt., 18.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Zhaltichalskoto Dere near Byala Reka River by Meden Buk Village, Ivailovgrad Region, 150 m alt., 20.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Byalo Pole (Belopolyane) Village, Ivailovgrad Region, 180 m alt., 21.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; South Black Sea Coast, "Arkutino" Resting House near Arkutino Swamp and the mouth of Ropotamo River, Primorsko Region, 22.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; North Black Sea Coast, Belia Bryag (SBA) Camping between Balchik and Kavarna Towns, 2 km NE from "Tuzlata", 23.IX.1995, single specimen on 160 W Hg-lamp and single specimen on sugaring, S. BESHKOV & B. GOATER leg.; SW Bulgaria, Kresna gorge, Stara Kresna railway station, 24.X.1995 on sugaring, S. BESHKOV leg.; East Rhodopi Mts, Momina Skala Chalet near Madzharovo Town, 250 W Hg-lamp, 30.X.1995, BESHKOV leg. on a lamp, several males and females specimens; East Rhodopi Mts, Siv Kladenetz v. near Mandritza Village, Ivailovgrad region, 31.X.1991, BESHKOV leg. 2 specimens; East Rhodopi Mts, Ivailovgrad Town, 01.XI.1995, BESHKOV leg. many specimens at daytime on the flowers of *Mentha* sp.

Cornutiplusia circumflexa (LINNAEUS, 1767)

SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 20.V.1995, I. STOYCHEV and V. GASHTAROV observed single specimen on a lamp.

Trichoplusia ni (HÜBNER, [1803])

East Rhodopi Mts, Byalo Pole (Belopolyane) Village, Ivailovgrad Region, 180 m alt., 21.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.

Chrysodeixis chalcites (ESPER, [1789])

East Rhodopi Mts, Momina Skala Chalet near Madzharovo Town, 250 W Hg-lamp, 30.X.1995, BESHKOV leg.

Subfamily Cuculliinae

Amphipyra pyramidea (LINNAEUS, 1758)

SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 08.VII.1995, 4 males (gen. det.) and 2 females on sugaring, S. BESHKOV and M. BESHKOVA leg.; SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 13.IX.1995, S. BESHKOV & B. GOATER leg. single specimen on 160 W Hg-lamp; SW Bulgaria, Rhozhen Village above Melnik Town, 15.IX.1995, S. BESHKOV and B. GOATER leg. 1 male specimen on sugaring; East Rhodopi Mts, Byalo Pole (Belopolyane) Village, Ivailovgrad Region, 180 m alt., 21.IX.1995, single female specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg. For all specimens genitalia checked.

Subfamily Heliothinae

Heliothis peltigera ([DENIS & SCHIFFERMÜLLER], 1775)

Black Sea coast. between Ravda and Nessebar, 2 km south of Nessebar, 29.V.1995, DIMITAR VASSILEV leg.

Helicoverpa armigera (HÜBNER, [1808])

SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 25.VIII.1995, 400 W Hg-lamp, ILKO STOYCHEV leg. single specimen; SW Bulgaria, Melnik Town, Sandanski Districts, 400 m alt., 14.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Studen Kladenetz Village, Arda Valley, 180 m alt., 18.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Byalo Pole (Belopolyane) Village, Ivailovgrad Region, 180 m alt., 21.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; South Black Sea Coast, "Arkutino" Resting House near Arkutino Swamp and the mouth of Ropotamo River, Primorsko Region, 22.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; North Black Sea Coast, Belia Bryag (SBA) Camping between Balchik and Kavarna Towns, 2 km NE from "Tuzlata", 23.IX.1995, single specimen on 160 W Hg-lamp and single specimen on sugaring, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Yazovir Studen Kladenetz Dam, Sredna Arda Railway Station, 29.X.1995, BESHKOV leg. 250 Hg-lamp single female specimen.

Protoschinia scutosa ([DENIS & SCHIFFERMÜLLER], 1775)

Paril Village, 28.VII.1995, V. GASHTAROV leg.; SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 25.VIII.1995, 400 W Hg, ILKO STOYCHEV leg. 7 specimens.

Subfamily Ipimorphinae

Paradrina clavigalpis (SCOPOLI, 1763)

Rhodopi Mt, Oryahovetz Village, 650 m, 26.IX.1995, P. Mitov leg.; Sofia Town, "Mladost IV" H. E., 12.IX.1995, S. BESHKOV & B. GOATER leg. on 125 W Hg-lamp; East Rhodopi Mts, Yazovir Studen Kladenetz Dam, Sredna Arda Railway Station, 29.X.1995, BESHKOV leg. 250 Hg-lamp; SE Bulgaria, Svilengrad Town, 01.XI.1995, S. BESHKOV leg. single specimen resting on a building.

Spodoptera exigua (HÜBNER, [1808])

SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 200 m alt., 13.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; SW Bulgaria, Melnik Town, Sandanski Districts, 400 m alt., 14.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Studen Kladenetz Village, Arda Valley, 180 m alt., 18.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Arda Valley, Momina Scala Chalet near Madzharovo Town, 140 m alt., 19.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Zhaltichalskoto Dere near Byala Reka River by Meden Buk Village, Ivailovgrad Region, 150 m alt., 20.IX.1995, several specimens on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; SW Bulgaria, Kresna gorge, Stara Kresna railway station, 24.X.1995, 250 W Hg-lamp, S. BESHKOV leg.;

East Rhodopi Mts, Yazovir Studen Kladenetz Dam, Sredna Arda Railway Station, 29.X.1995, BESHKOV leg. 250 Hg-lamp; East Rhodopi Mts, Momina Skala Chalet near Madzharovo Town, 250 W Hg-lamp, 30.X.1995, BESHKOV leg.

Phlogophora meticulosa (LINNAEUS, 1758)

Resseletz Chalet, Resseletz Village, Tcherven Bryag region, 12.–13.V.1995, N. KODZHABASHEV leg. on a lamp; SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 27.V.1995, 1 female on 400 W Hg-lamp, S. BESHKOV and D. VASSILEV leg., Black Sea coast. between Ravda and Nessebar, 2 km. south of Nessebar, 04.V.1995, 1 female, Dimitar VASSILEV leg.; Paril Village, 28.VII.1995, V. GASHTAROV leg.; SW Bulgaria, Melnik Town, Sandanski Districts, 400 m alt., 14.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Byalo Pole (Belopolyane) Village, Ivailograd Region, 180 m alt., 21.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.

Xylena lunifera (WARREN, 1910)

SW Bulgaria, Kresna gorge, Stara Kresna railway station, 24.X.1995, 250 W Hg-lamp, BESHKOV leg. single male specimen. *Xylena lunifera* is not mentioned as a migrant species in EITSCHBERGER, REINHARDT & STEINIGER (1991). It seems possible to be migrant (probable dismigrator) in Bulgaria on the reason that in Bulgaria (as well as in Europe) it is known only from several years and many already collected specimens, almost all of them in autumn. Some years it is not collected in Bulgaria, in other years it appears in some places in several specimens.

Subfamily Hadeninae

Mythimna albipuncta ([DENIS & SCHIFFERMÜLLER], 1775)

Resseletz Chalet, Resseletz Village, Tcherven Bryag region, 12.–14.V.1995, N. KODZHABASHEV leg. on a lamp 5 males; Yazovir Iskar Dam, Lovno Stopanstvo Iskar, Samokov Region, 20.V.1995, N. KODZHABASHEV observed in a great number on a lamp, collected 3 females specimens; SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 20.V.1995, I. STOYCHEV and V. GASHTAROV observed 20 specimens on a lamp; SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 27.V.1995, 1 female and 5 males on 400 W Hg-lamp, S. BESHKOV and D. VASSILEV leg.; SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 25.VIII.1995, 400 W Hg-lamp, Iiko STOYCHEV leg. 2 specimens; SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 200 m alt., 13.IX.1995, several specimens on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Studen Kladenetz Village, Arda Valley, 180 m alt., 18.IX.1995, several specimens on 160 W Hg-lamp and single specimen on sugaring, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Arda Valley, Momina Scala Chalet near Madzharovo Town, 140 m alt., 19.IX.1995, several specimens on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Byalo Pole (Belopolyane) Village, Ivailograd Region, 180 m alt., 21.IX.1995, several specimens on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; South Black Sea Coast, "Arkutino" Resting House near Arkutino Swamp and the Mouth of Ropotamo River, Primorsko Region, 22.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; North Black Sea Coast, Belia Bryag (SBA) Camping between Balchik and Kavarna Towns, 2 km NE from "Tuzlata", 23.IX.1995, single specimen on 160 W

Hg-lamp and single specimen on sugaring, S. BESHKOV & B. GOATER leg.; SW Bulgaria, Kresna gorge, Stara Kresna railway station, 24.X.1995, one male on 250 W Hg-lamp and several specimens on sugaring, S. BESHKOV leg.

Mythimna vitellina (HÜBNER, [1808])

Resseletz Chalet, Resseletz Village, Tcherven Bryag region, 12.–13.V.1995, N. KODZHABASHEV leg. on a lamp; Yazovir Iskar Dam, Lovno Stopanstvo Iskar, Samokov Region, 20.V.1995, N. KODZHABASHEV observed in a great number on a lamp, collected 6 males and 1 female specimens; SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 20.V.1995, I. STOYCHEV and V. GASHTAROV observed 15 specimens on a lamp; East Bulgaria, Derventski Vazvishenia Hills, Melnitsa Village, Elhovo Region, 23.V.1995, during 21:30–24:00 h, P. MITOV, R. TOMOV & B. GEORIEV leg. on Hg-lamp 3 males; SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 27.V.1995, 4 males and 1 female on 400 W Hg-lamp, S. BESHKOV and D. VASSILEV leg.; "Staro Selo" 700 m alt. near Milanovo Village, above Iskar Gorge, 03.VI.1995, single female specimen on 400 W Hg-lamp; Paril Village, 28.VII., V. GASHTAROV leg.; SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 25.VIII.1995, 400 W Hg-lamp, ILKO STOYCHEV leg. 1 specimen; East Rhodopi Mts, Studen Kladenetz Village, Arda Valley, 180 m alt., 18.IX.1995, several specimens on 160 W Hg-lamp and single specimen on sugaring, S. BESHKOV & B. GOATER leg; East Rhodopi Mts, Arda Valley, Momina Scala Chalet near Madzharovo Town, 140 m alt., 19.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg; East Rhodopi Mts, Zhaltichalskoto Dere near Byala Reka River by Meden Buk Village, Ivailograd Region, 150 m alt., 20.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg; East Rhodopi Mts, Byalo Pole (Belopolyane) Village, Ivailograd Region, 180 m alt., 21.IX.1995, several specimens on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; South Black Sea Coast, "Arkutino" Resting House near Arkutino Swamp and the mouth of Ropotamo River, Primorsko Region, 22.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; North Black Sea Coast, Belia Bryag (SBA) Camping between Balchik and Kavarna Towns, 2 km NE from "Tuzlata", 23.IX.1995, single specimen resting on a lamp in a building, single specimen on 160 W Hg-lamp and single specimen on sugaring, S. BESHKOV & B. GOATER leg.

Mythimna l-album (LINNAEUS, 1767)

SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 27.V.1995, 1 female on 400 W Hg-lamp, S. BESHKOV and D. VASSILEV leg.; East Rhodopi Mts, Studen Kladenetz Village, Arda Valley, 180 m alt., 18.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; North Black Sea Coast, Belia Bryag (SBA) Camping between Balchik and Kavarna Towns, 2 km NE from "Tuzlata", 23.IX.1995, single specimen resting on a lamp in a building, single specimen on 160 W Hg-lamp and single specimen on sugaring, S. BESHKOV & B. GOATER leg.; SW Bulgaria, Kresna gorge, Stara Kresna railway station, 24.X.1995 on 250 W Hg-lamp and sugaring, S. BESHKOV leg.

Acantholeucania loreyi (DUPONCHEL, 1827)

North Black Sea Coast, Belia Bryag (SBA) Camping between Balchik and Kavarna Towns, 2 km NE from "Tuzlata", 23.IX.1995, single specimen on 160 W Hg-lamp and single specimen on sugaring, S. BESHKOV and B. GOATER leg.; East Rhodopi Mts, Yazovir Studen Kladenetz Dam, Sredna Arda Railway Station, 29.X.1995, BESHKOV leg. 250 Hg-lamp.

Pseudaletia unipuncta (HAWORTH, 1809)

SW Bulgaria, Kresna gorge, Stara Kresna railway station, 24.X.1995 on 250 W Hg-lamp and sugaring, S. BESHKOV leg.; East Rhodopi Mts, Siv Klodenetz v. near Mandritza Village, Ivailovgrad region, 31.X.1991, S. BESHKOV leg. single specimens.

Subfamily Noctuinae

Tribe Noctuini

Noctua pronuba LINNAEUS, 1758

Yazovir Iskar Dam, Lovno Stopanstvo Iskar, Samokov Region, 20.V.1995, N. KODZHABASHEV leg. 1 male; SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 20.V.1995, I. STOYCHEV and V. GASHTAROV observed 6 specimens on a lamp; SW Bulgaria, "Rupite" near Volcanic Hill of Kozhuh near Petrich Town, 21.V.1995, I. STOYCHEV and V. GASHTAROV observed 2 specimens on a lamp; SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 27.V.1995, 9 females and 4 males on 400 W Hg-lamp and 1 female on sugaring, S. BESHKOV and D. VASSILEV leg., Pirin Mt, Peyo Yavorov Chalet, 1800 m, 07.VII.1995, S. ABADJIEV leg. on 250 W Hg-lamp; Central Stara Planina Mts, Dobrila Chalet, 1750 m, 06.VIII.1995, S. BESHKOV and V. GASHTAROV leg. on 160 W Hg-lamp 2 females; SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 200 m alt., 13.IX.1995, several specimens on 160 W Hg-lamp and single specimen on sugaring, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Studen Klodenetz Village, Arda Valley, 180 m alt., 18.IX.1995, single specimen on sugaring, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Arda Valley, Momina Scala Chalet near Madzharovo Town, 140 m alt., 19.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Zhaltichalskoto Dere near Byala Reka River by Meden Buk Village, Ivailovgrad Region, 150 m alt., 20.IX.1995, several specimens on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Byalo Pole (Belopolyane) Village, Ivailovgrad Region, 180 m alt., 21.IX.1995, several specimens on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; North Black Sea Coast, Belia Bryag (SBA) Camping between Balchik and Kavarna Towns, 2 km NE from "Tuzlata" 23.IX.1995, single specimen on sugaring, S. BESHKOV & B. GOATER leg.

Lampra fimbriata (SCHREBER, 1759)

Central Stara Planina Mts, Dobrila Chalet, 1750 m, 06.VIII.1995, S. BESHKOV and V. GASHTAROV leg. on 160 W Hg-lamp 1 female specimen; SW Bulgaria, Kresna Gorge, 01.VIII.1995, V. GASHTAROV leg; East Rhodopi Mts, Studen Klodenetz Village, Arda Valley, 180 m alt., 18.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Arda Valley, Momina Scala Chalet near Madzharovo Town, 140 m alt., 19.IX.1995, several specimens on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg. Genitalia of all specimens checked.

Xestia c-nigrum (LINNAEUS, 1758)

Resseletz Chalet, Resseletz Village, Tcherven Bryag region, 12.–14.V.1995, N. KODZHABASHEV leg. on a lamp; "Staro Selo" 700 m alt. near Milanovo Village, above Iskar Gorge, 03.VI.1995, 5 males and 1 female on 400 W Hg-lamp; Central Stara Planina Mts, Dobrila Chalet,

1750 m, 06.VIII.1995, S. BESHKOV and V. GASHTAROV leg. on 160 W Hg-lamp 1 male; Rhodopi Mts, Oryahovetz Village, 650 m, 26.IX.1995, P. MITOV leg.; SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 200 m alt., 13.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; North Black Sea Coast, Belia Bryag (SBA) Camping between Balchik and Kavarna Towns, 2 km NE from "Tuzlata", 23.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.

Tribe Agrotini

Peridroma saucia (HÜBNER, [1808])

SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 21.IV.1995, 1 female specimen (forma), S. BESHKOV and I. STOYCHEV leg. on a lamp; North Black Sea Coast, Belia Bryag (SBA) Camping between Balchik and Kavarna Towns, 2 km NE from "Tuzlata", 23.IX.1995, several specimens on a sugaring, S. BESHKOV & B. GOATER leg.; SW Bulgaria, Kresna gorge, Stara Kresna railway station, 24.X.1995 on sugaring, S. BESHKOV leg.

Agrotis ipsilon (HUFNAGEL, 1766)

SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 20.V.1995, I. STOYCHEV and V. GASHTAROV observed 3 specimens on a lamp; SW Bulgaria, "Rupite" near Volcanic Hill of Kozhuh near Petrich Town, 21.V.1995, I. STOYCHEV and V. GASHTAROV observed single specimen on a lamp; SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 200 m alt., 13.IX.1995, single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Zhaltichalskoto Dere near Byala Reka River by Meden Buk Village, Ivailovgrad Region, 150 m alt., 20.IX.1995, single specimen on sugaring, S. BESHKOV & B. GOATER leg.; North Black Sea Coast, Belia Bryag (SBA) Camping between Balchik and Kavarna Towns, 2 km NE from "Tuzlata", 23.IX.1995, single specimen on sugaring and single specimen on 160 W Hg-lamp, S. BESHKOV & B. GOATER leg.; SW Bulgaria, Kresna gorge, Stara Kresna railway station, 24.X.1995, single specimen on 250 W Hg-lamp and several on sugaring, S. BESHKOV leg.; East Rhodopi Mts, Yazovir Studen Kladenetz Dam, Sredna Arda Railway Station, 29.X.1995, S. BESHKOV leg. 250 Hg-lamp single male specimen; East Rhodopi Mts, Momina Skala Chalet near Madzharovo Town, 250 W Hg-lamp, 30.X.1995, BESHKOV leg. single female specimen.

Agrotis exclamationis (LINNAEUS, 1758)

Resseletz Chalet, Resseletz Village, Tcherven Bryag region, 12.–14.V.1995, N. KODZHABASHEV leg. on a lamp; SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 20.V.1995, I. STOYCHEV and V. GASHTAROV observed 5 specimens on a lamp; SW Bulgaria, "Rupite" near Volcanic Hill of Kozhuh near Petrich Town, 21.V.1995, I. STOYCHEV and V. GASHTAROV observed 3 specimens on a lamp; East Bulgaria, Derventski Vazvishenia Hills, Melnitsa Village, Elhovo Region, 23.V.1995, during 21:30–24:00 h, P. MITOV, R. TOMOV & B. GEORGIEV leg. on Hg-lamp 2 males and 2 females; SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 27.V.1995, 1 male on 400 W Hg-lamp, S. BESHKOV and D. VASSILEV leg.; "Staro Selo" 700 m alt. near Milanovo Village, above Iskar Gorge, 03.VI.1995, 3 males and 1 female on 400 W Hg-lamp; Pirin Mt, Peyo Yavorov Chalet, 1800 m, 07.VII.1995, S. ABADJIEV leg. on 250 W

Hg-lamp 1 male; Sofia Town, "Mladost IV" H.E., 12.IX.1995, single specimen on 125 W Hg-lamp, S. BESHKOV & B. GOATER leg.

Agrotis segetum ([DENIS & SCHIFFERMÜLLER], 1775)

East Bulgaria, Derventski Vazvishenia Hills, Melnitsa Village, Elhovo Region, 23.V.1995, during 21:30–24:00 h, P. MITOV, R. TOMOV & B. GEORGIEV leg. on Hg-lamp 1 female specimen; SW Bulgaria, Kresna Gorge, Stara Kresna Railway Station, 200 m alt., 13.IX.1995, several specimens on sugaring, S. BESHKOV & B. GOATER leg; SW Bulgaria, Melnik Town, Sandanski Districts, 400 m alt., 14.IX.1995, single specimen on sugaring, S. BESHKOV & B. GOATER leg; East Rhodopi Mts, Byalo Pole (Belopolyane) Village, Ivailovgrad Region, 180 m alt., 21.IX.1995, single specimen on sugaring, S. BESHKOV & B. GOATER leg.; North Black Sea Coast, Belia Bryag (SBA) Camping between Balchik and Kavarna Towns, 2 km NE from "Tuzlata", 23.IX.1995, single specimen on sugaring, S. BESHKOV & B. GOATER leg.; East Rhodopi Mts, Yazovir Studen Kladenetz Dam, Sredna Arda Railway Station, 29.X.1995, BESHKOV leg. 250 W Hg-lamp single male specimen.

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