

New records of Noctuidae (Lepidoptera) from Turkey

By Serpil KORNOSOR and Martin LÖDL

Abstract

This paper presents faunistic results of the investigation period 1977-1988 in Turkey. The investigations are based on Noctuid samples from southern and southeastern Turkey and the collections of the Museum of Natural History in Vienna. It was found that *Leucania plastinaea* (STAUDINGER, 1897), *Amephana aurita* (FABRICIUS, 1787), *Aporophyla lutulenta* (DENIS & SCHIFFERMÜLLER, 1775), *Cosmia diffinis* (LINNAEUS, 1767) and *Autophila dilucida* (HÜBNER, 1803-1808) are new to the fauna of Turkey. The adults and male genitalia of the species are illustrated.

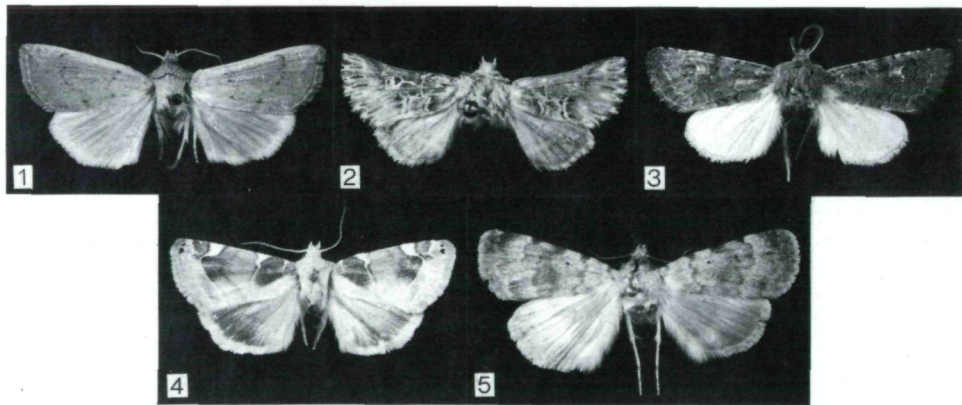


Fig. 1: *Leucania plastinaea* ♂, Adana, Yumurtalik. — Fig. 2: *Amephana aurita* ♂, Antakya, Kas. — Fig. 3: *Aporophyla lutulenta* ♂, Edirne, Agr. Res. Inst. — Fig. 4: *Cosmia diffinis* ♂, Eskisehir. — Fig. 5: *Autophila dilucida* ♂, Adana, Balcali.

Noctuid samples have been collected with light traps mainly in southern and southeastern parts of Turkey, in Aegean region, Marmara region and Central Anatolia during a period of 11 years (1977-1988). The examination of more than 10.000 specimens and the comparison with the collection of the Museum of Natural History Vienna resulted in a list of 319 species. Five of them are new records for Turkey. The collecting data and illustrations of the adults and the male genitalia are presented in this paper.

All specimens are preserved in the Plant Protection Department of Agriculture fac., Cukurova University, Adana.

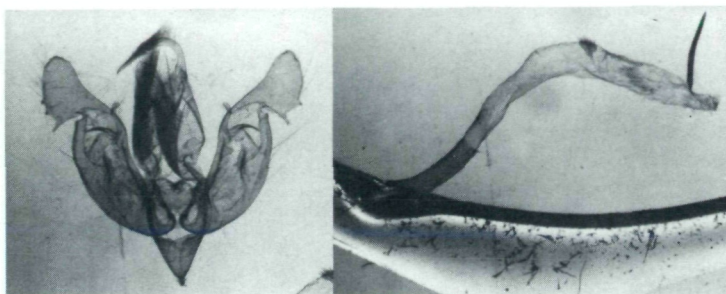


Fig. 6: *Leucania plastinaea* ♂ genitalia, aedeagus right.

Hadeninae

Leucania plastinaea (STAUDINGER, 1897); Figs. 1, 6

(Dt. Ent. Z. Iris D.174) (Haife, Jordantal)

This species is distributed in northern Africa (records from Egypt and Algeria), Greece, Irak, South Iran and Syria (HACKER, 1989). Only one sample was collected in southern Turkey: 1 ♂ Adana, Yumurtalik 11. 7. 1980 leg. S. Kornosor, gen. slide no. 59 S. Kornosor.

Cuculliinae

Amephana aurita (FABRICIUS, 1787); Figs. 2, 7

(Mant. Insect. t. II, p. 179)

An Asiatic-mediterranean species occurring in Europe and North Africa (Algeria) (BERIO, 1985; CALLE, 1982). New records exist from southern Turkey: 1 ♂ Adana, Balcali 29. 4. 1980; 1 ♂ 5. 5. 1980 leg. S. Kornosor, gen. slide no. 122 S. Kornosor; 1 ♀ Antakya, Kas 6. 4. 1980 leg. S. Kornosor.

Aporophyla lutulenta (DENIS & SCHIFFERMÜLLER, 1775); Figs. 3, 8

(Ankünd. syst. Werkes Schmett. Wienergegend: 8)

An Atlanto-mediterranean species which is widely distributed in Europe (BERIO, 1985; CALLE, 1982; HACKER, 1989). This paper records specimens collected in the European part of Turkey: 3 ♂ Edirne, Agriculture Res. Inst. 12. 10. 1987 leg. S. Kornosor, gen. slide no. 715 S. Kornosor; 4 ♂, 2 ♀ same locality 22. 10. 1987 leg. S. Kornosor, gen. slide 716 S. Kornosor.

Amphipyrinae

Cosmia diffinis (LINNAEUS, 1767); Figs. 4, 9

(Syst. Nat. ed. 12 1(2): 848)

Widely distributed Asiatic-mediterranean species found throughout Europe and South Russia (CALLE, 1982; HACKER, 1989). Further information can be found in BOURSIN, 1962. The authors found only one male in Turkey collected from Eskisehir, Köy. Hiz. Agric. Res. Inst. 14. 7. 1987, leg. S. Kornosor, gen. slide no. 818 S. Kornosor.

Catocalinae

Autophila dilucida (HÜBNER, 1803-1808); Figs. 5, 10

(Samml. Europ. Schmett., Noctuae 2, Taf. 82, Fig. 383)

Atlanto-mediterranean species, widely distributed in Central- and South Europe and northern Africa (Morocco, Algeria, Libya). Turkish material was collected in the south: 1 ♂ Adana, Balcali 11. 6. 1981, leg. S. Kornosor, gen. slide no. 377 S. Kornosor; 1 ♀ Adana, Balcali 10. 6. 1981 leg. S. Kornosor, gen. slide no. 378 S. Kornosor.

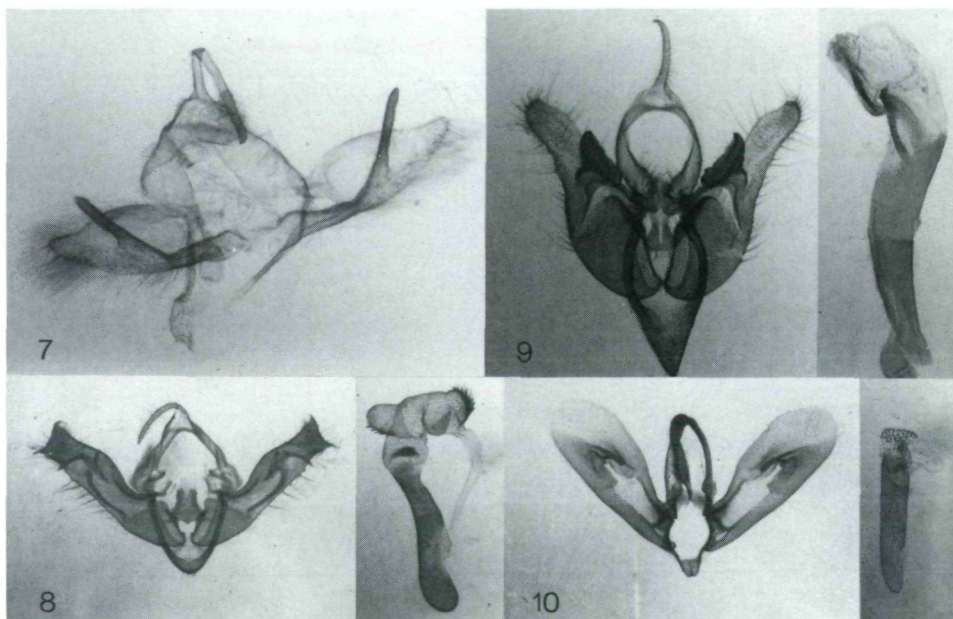


Fig. 7: *Amephana aurita* ♂ genitalia. — Fig. 8: *Aporophyla lutulenta* ♂ genitalia, aedeagus right. — Fig. 9: *Cosmia diffinis* ♂ genitalia, aedeagus right. — Fig. 10: *Autophila dilucida* ♂ genitalia, aedeagus right.

Zusammenfassung

Die Autoren fassen die Ergebnisse der Untersuchungsperiode 1977-1988 in der Süd- und Südosttürkei zusammen. Die Sammlungen des Naturhistorischen Museums Wien bilden die Grundlage für die vorliegende Arbeit. *Leucania plastinaea* (STAUDINGER, 1897), *Amephana aurita* (FABRICIUS, 1787), *Aporophyla lutulenta* (DENIS & SCHIFFERMÜLLER, 1775), *Cosmia diffinis* (LINNAEUS, 1767) und *Autophila dilucida* (HÜBNER, 1803-1808) werden neu für die türkische Landesfauna gemeldet. Die Imagines und ♂ Genitalien werden abgebildet.

LITERATURE

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