

New species of *Micropterix* HÜBNER  
(Lepidoptera, Zeugloptera : Micropterigidae)  
from Greece and Cyprus

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**Abstract**

*Micropterix lakoniensis* sp. nov. is described from Monemvasia, Greece, and *M. cypriensis* sp. nov. from Limassol, Cyprus.

*Micropterix* material collected in southern Greece by G. CHRISTENSEN, M. HORAK and B. SKULE and in Cyprus by B. GUSTAFFSON contained two new species which are described below.

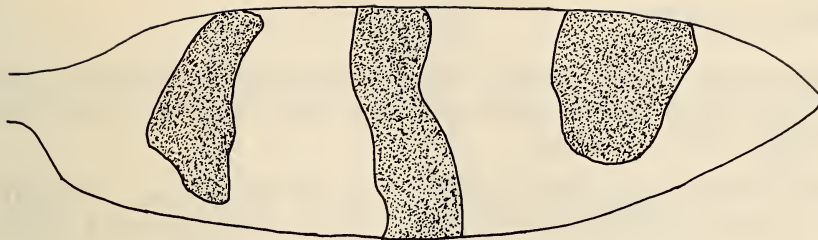
*Micropterix lakoniensis* sp. nov.

*Description*

Forewing length : ♂ 2.7-3.0 mm ; ♀ 2.7-4.0 mm ; wing expanse : ♂ 5.7-6.5 mm ; ♀ 5.8-8.7 mm. Head golden yellow ; antenna golden fuscous. Thorax golden, tegulae purple. Forewing (fig. 1) bronzy purple variably suffused bronzy golden ; a fascia at one-third not quite reaching dorsum, a slightly curved fascia at one-half and a large costal blotch at two-thirds almost reaching dorsum, pale golden yellow ; cilia bronzy fuscous. Hindwing bronzy fuscous, apically purplish tinged ; cilia bronzy fuscous. Abdomen golden fuscous.

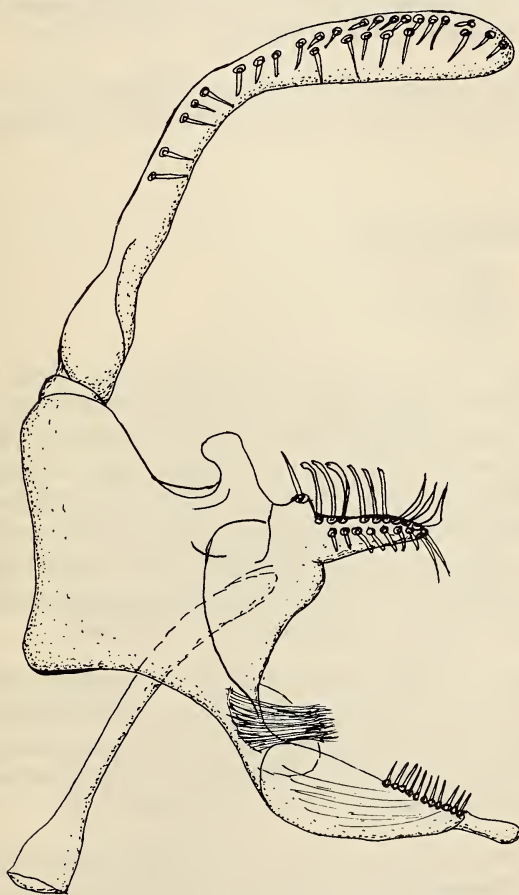
Male genitalia (fig. 2). Uncus long and slender, partially fused with tegumen and with a median row of about ten short, stout setae ; accessory clasper slender, straight with two rows of long, stout setae on inner surface, a pedunculate seta and a median lobe. Valva long and slender with a long row of rather short, stout setae and a shorter row of long, stout setae on inner surface.

This species is most closely related to *Micropterix sicanella* ZELLER from which it differs in the presence of setae on the uncus and the shape of the accessory clasper of the male genitalia and the presence on the forewing of a broad fascia at one-third.



1.0 mm

1



0.25 mm

2

*Micropterix lakoniensis* sp. nov. 1 wing pattern ; 2 ♂ genitalia, lateral view

*Material examined*

Holotype male : Hellas, Lakonia, 7 km SW Monemvasia (UTM grid ref. 34S FF75), 9.IV.1981, leg. B. SKULE. (Genitalia prep. J. HEATH No. 464). In collection UZM Copenhagen.

Paratypes five males : Hellas, Lakonia, 7 km SW Monemvasia, 2.IV.1980, leg. G. CHRISTENSEN and 9.IV.1981, leg. B. SKULE. (Genitalia prep. J. HEATH No. 459). In collections UZM Copenhagen and J. HEATH.

11 males ; 14 females : Hellas, Lakonia, 5 km S Monemvasia, 6/7.IV.1981, on *Cistus*, leg. B. SKULE and G. CHRISTENSEN. (Genitalia preps J. HEATH Nos 460, 465). In collections UZM Copenhagen and J. HEATH.

One male : Hellas, Lakonia, Mt. Taygetos, 1000 m, 11.IV.1980, leg. G. CHRISTENSEN. (Genitalia prep. J. HEATH No. 463). In collection J. HEATH.

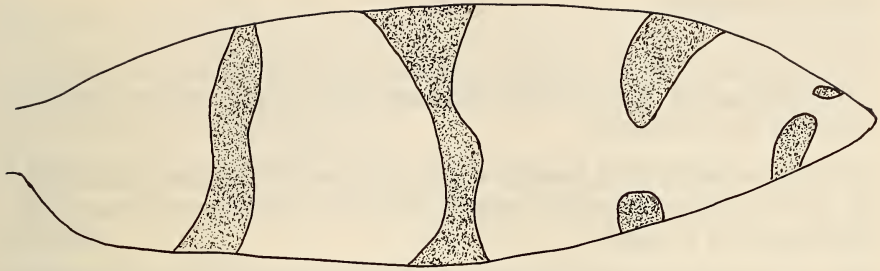
*Micropterix cypriensis* sp. nov.

*Description*

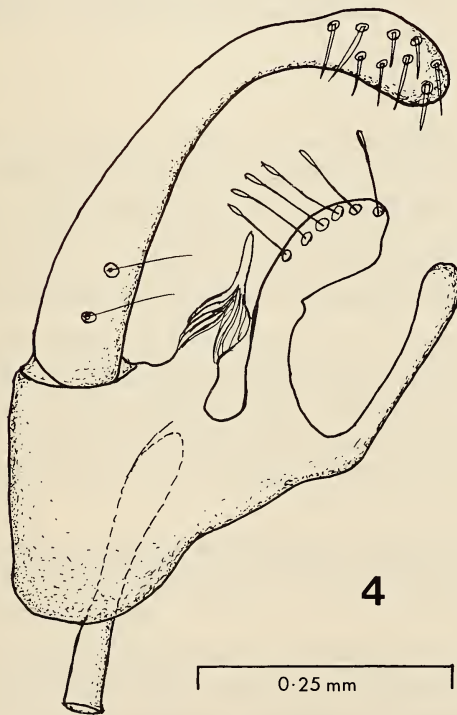
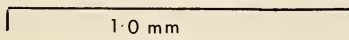
Forewing length : ♂ 2.5-2.8 mm ; ♀ 2.8-3.0 mm : wing expanse : ♂ 5.2-5.9 mm ; ♀ 6.0-6.5 mm. Head golden yellow, antenna golden fuscous. Thorax golden fuscous, tegulae bronzy golden. Forewing (fig. 3) bronzy golden with scattered silver scales, costa edged purple at apex ; a narrow, almost straight, fascia at one-third, a curved fascia at one-half broader costally and dorsally than medially, a large curved costal spot and a small dorsal spot at two-thirds ; a very small apical costal spot and a larger subapical dorsal spot, silver ; cilia golden fuscous. Hindwing bronzy fuscous, apically purplish tinged ; cilia golden fuscous. Abdomen golden fuscous.

Male genitalia (fig. 4). Uncus long and slender ; accessory clasper long and curved with six long, very fine, spatulate setae on inner surface of posterior edge ; a convoluted, long, tapering lobe between accessory clasper and valva ; valva stout and slightly spatulated with a group of long, stout setae on inner surface of distal end and two long, thin, basal setae.

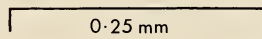
This species is most closely related to *Micropterix elegans* STANTON from which it differs in having the forewing with complete fasciae and apical spots. The male genitalia differs in the number and thickness of the setae on the accessory clasper and the form of the lobe between the accessory clasper and the valva.



3



4



*Micropterix cypriensis* sp. nov. 3 wing pattern ; 4 ♂ genitalia, lateral view.

*Material examined*

Holotype male : Cyprus, Limassol, Yermasoyle (UTM grid ref. 36S WD04), 11.3.1979, leg. B. GUSTAFFSON. (Genitalia prep. J. HEATH No. 446). In collection NR Stockholm.

Paratypes six males ; four females : Cyprus, Limassol, Yermassol, 11.3.1979, leg. B. GUSTAFFSON. (Genitalia prep. J. HEATH No. 448). In collections NR Stockholm and J. Heath.

This would appear to be the first species of *Micropterix* to have been recorded from the island of Cyprus.

**Acknowledgement**

The work on which this paper is based was aided, in part, by a Leverhulme Research Award.