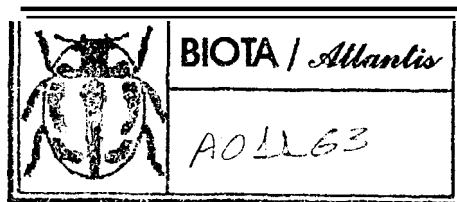


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BEITRÄGE ZUR KENNTNIS DER  
MICROLEPIDOPTEREN-FAUNA DES KANARISCHEN  
ARCHIPELS

5. Beitrag: *Choreutidae*, *Glyphipterigidae*, *Ethmiidae*, *Acrolepiidae*, *Epermeniidae*,  
*Tinaegeriidae*, *Momphidae*, *Cosmopterigidae*, *Walshiidae*

von

J. KLIMESCH

RESUMEN

Contribución al conocimiento de la fauna microlepidopterológica del Archipiélago Canario. 5ª contribución: *Choreutidae*, *Glyphipterigidae*, *Ethmiidae*, *Acrolepiidae*, *Epermeniidae*, *Tinaegeriidae*, *Momphidae*, *Cosmopterigidae*, *Walshiidae*.

Las familias tratadas en la presente contribución están representadas por pocas especies en el Archipiélago Canario. Según nuestros conocimientos actuales de la distribución general de las 21 especies comprobadas hasta ahora, 6 resultan ser endémicas. Se señalan datos fenológicos y ecológicos, al tiempo que se ilustran las genitalias de las especies más relevantes.

ABSTRACT

Contribution to the knowledge of the microlepidopteran fauna of the Canarian Archipelago. 5th contribution: *Choreutidae*, *Glyphipterigidae*, *Ethmiidae*, *Acrolepiidae*, *Epermeniidae*, *Tinaegeriidae*, *Momphidae*, *Cosmopterigidae*, *Walshiidae*.

This present paper treats the 21 species hitherto stated in the Canary Islands of the above mentioned families. Six of the species are to be considered as endemic. Biological comments are given and the genital organs of some species are presented in illustration.

EINLEITUNG.-

Die im folgenden Beitrag zu behandelnden Familien weisen auf den Kanarischen Inseln nur wenige Vertreter auf. Es ist anzunehmen





comparison between the males from Lundblad's collection and my

of *H. atra* showed that no males from Lundblad's collection be-

had been mentioned these specimens and the females at

Las Mercedes and Las Cañadas del Teide (Tenerife).

In my further investigations I have been successful to borrow Saunders' types of *H. atra* (London) and Cockerell's type of *H. maderensis* (Oxford). I have also received specimens from other collections. For this help I am greatly indebted to Mr. C.R. Else (Brit. Mus. Nat. Hist., London), Dr. M.V.R. de V. Graham (Hope Dept. Ent. Oxford Univ.), Dr. A. Pekkarinen (Zool. Mus., Helsingfors), Dr. M. Báez (Dept. Zool. Univ. La Laguna, Tenerife), Mr. A. Machado Carrillo (La Laguna), Mrs. I. Wegener (Mus. Nat. Humboldt, Univ. Berlin, DDR) and Studiendirektor H. Wolf (Plettenberg, BRD). By means of a grant from Swedish Natural Science Research (Stockholm) I was able to visit British Museum (Nat. Hist.) the last week of August 1980 in order to work with the collections of *Hylaeus* from the European parts of the Mediterranean countries and the Macaronesian Islands. I express my heartfelt gratitude for this help.

In the list of localities there are the following abbreviations:

BM... British Museum of Natural History, London  
 MCN... Museo Insular de Ciencias Naturales, Santa Cruz de Tenerife  
 HMB... Zoologisches Museum der Humboldt Universität zu Berlin, DDR.  
 SM... Swedish Museum of Natural History, Stockholm.  
 ZMI... Zoological Museum of the University, Helsingfors.

*Hylaeus (Prosopis) atra* Saunders

Syn: *Prosopis pictipes* Nyl. ssp. *atra* Saunders (Warncke, 1970, p. 749)

The new finds of this species from the Canary Islands are:

Tenerife: Barranco Bufadero, 7-VII-1963, 2♂♂, J.M. Fernández leg. (MCN); Barranco Santas 24-11-1963, 1♂, R. Arozarena leg. (MCN); Anaga, 6-11-1966, 1♂, R. Arozarena leg. (MCN); Chio to Tamaimo, 19-II-5-III-1975, 2♂♂, A.E. Stabbs (BM); Santa Cruz, 2-II-1898, 1♀, Hinz (HMB), 17-V-1951, 1♂, J.M. Fernández leg. (MCN); Forest of La Mina, 7-11-1904, 1♀, (det. E. Saunders, HMB); Puerto de la Cruz, Taoro Park, 4-IV-1970, 1♂ (*Argyranthemum*) S. Erlandsson (RM); Playa de las Américas, 25-11-1979, 1♂ (*Argyranthemum*) S. Erlandsson (RM).  
 El Hierro: Valverde, 600 m alt. 24-30-III-1930, 1♂, H. Lindberg leg. (ZMI)  
 La Palma: Tunel de la Galga, 25-IV-76, 1♀, F.J. Chandels (BM).  
 Gran Canaria: Maspalomas, Barranco del Toro. 6-12-IV-1973, 3♀♀, H. Wolf, Dñen Maspalomas, 6-IV-1976, 1♀, H. Wolf. WOLF (1980, p. 68) mentions fur-

- Fig. 1.- *Tebenna micalis* (Mann). Männl. Kopulationsapparat, GU/KI. Nr. 4187, Hispania, Albarracin. 12.6.1953.  
 Fig. 2.- *Tebenna micalis* (Mann). Weibl. Kopulationsapparat, GU/KI. Nr. 4188, Daten wie Fig. 1.  
 Fig. 3.- *Glyptotritix umbilicif* Hering. Weibl. Kopulationsapparat. Lígurta, Noli, 11.9.1964.  
 Fig. 5.- *Glyptotritix fortunatella* Rebel. Männl. Imago, Ten., Los Silos, Barranco, 25.3.1972.  
 Fig. 6.- *Glyptotritix fortunatella* Rebel. Männl. Kopulationsapparat, GU/KI Nr. 4185, La Gomera Hermigua, 24.4.1965.  
 Fig. 7.- *Glyptotritix fortunatella* Rebel. Weibl. Kopulationsapparat, GU/KI Nr. 4186, Ten., Los Silos, Barranco, 25.3.1972.  
 Fig. 8.- *Ethmia quadrinotella quinquenotella* (Chrétien). Weibl. Imago, Ten. El Médano, e. l. 22.2.1966 (*Helictroptium erosum* Lethm.)  
 Fig. 9.- *Digitivalva pappella* (Walshingham). Männl. Kopulationsapparat, GU/KI, Nr. 4189, Ten., Gültmar 3.10.1966.

LEGENDE ZU DEN ABBILDUNGEN

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Der Literaturnachweis folgt am Ende der Beiträge.

Ost-Afghanistan, Kasaren.

Allgemeine Verbreitung: Algerien, Tunesien, Ägypten, Libanon, Westpakistan, Vorkommen auf den Kanaren: Trockenzone

*siana* Willd.

Lebensweise: Die Raupe lebt zwischen versponnenen Blättern von *Acacia farnesiana*

Genitalien: Fig. 30 (♂), Fig. 31 (♀).

Willd. (Klimesch).

La Gomera: Hermigua, e. l. 19.-27.12.1966, 13.-17.3.1970, *Acacia farnesiana*

Gran Canaria: Maspalomas, Dünengebiet, 26.-27.2.1967 (Kasy).

Kasy, Ann. nat. hist. Mus. Wien., 1969: 362-365

Clata.

Gozmány, Ann. hist. nat. Mus. nation. Hung., 1960: 420, *Tischeria novif-*

Chrétien, Ann. Soc. ent. Fr., 1915: 352, *Ascalenia acatella*.  
 Lucas, Bull. Soc. ent. Fr., 1937: 128, *Scythris maculatella*.

*Ascalenia acatella* (Chrétien, 1915)

- Fig. 10.- *Biglyptovalva pappella* (Walsingham) (Walsingham). Weibl. Kopulationsapparat, GU/Gaedike Nr. 876, Ten., Güimar, e. l. 4.1.1967. (Allagopappus dichotomus Cass.).
- Fig. 11.- *Biglyptovalva pappella* (Walsingham), Mine an *Allagopappus dichotomus* Cass., Ten., Güimar, 8.12.1966.
- Fig. 12.- *Acroleptopsis vespersella* (Zeller) v. b. *tami* (Herting), Männl. Kopulationsapparat, GU/KiI. Nr. 4190, Ten., Güimar, e. l. 10.3.1969 (Tamus edulis Lowe).
- Fig. 13.- *Acroleptopsis vespersella* (Zeller) v. b. *tami* (Herting), Weibl. Kopulationsapparat, GU/KiI. Nr. 4192, Daten wie Fig. 12.
- Fig. 14.- *Acroleptopsis vespersella* (Zeller) v. b. *tami* (Herting), Mine an *Tamus edulis* Lowe, Ten., Güimar, 31.1.1969.
- Fig. 15.- *Epermenia aequidentella* Hofmann, Männl. Kopulationsapparat, GU/Gaedike, Nr. 438, Ten., Güimar, 4.2.1962. leg. Finkler.
- Fig. 16.- *Epermenia aequidentella* Hofmann, Weibl. Kopulationsapparat, GU/Gaedike, Nr. 1631, Carimthia, Tauernberg, 1800 m, e. l. Libanotis montana Cr., 13.8.1976.
- Fig. 17.- *Cosmopterix attenuatella* (Walker), Männl. Kopulationsapparat, GU/KiI Nr. 4035, Ten., Puerto de la Cruz, 25.1.1975.
- Fig. 18.- *Cosmopterix attenuatella* (Walker), Weibl. Kopulationsapparat, GU/KiI, Nr. 4039, Daten wie Fig. 17.
- Fig. 19.- *Cosmopterix turbidella* Rebel, Männl. Kopulationsapparat, GU/KiI, Nr. 4038, Ten., Güimar, 15.3.1965.
- Fig. 20.- *Cosmopterix turbidella* Rebel, Weibl. Kopulationsapparat, GU/KiI, Nr. 4036, Ten., Güimar, e. l. *Partecaria debilis* Forst. e. l. 6.1.1967.
- Fig. 21.- *Cosmopterix turbidella* Rebel, Mine an *Forskohia angustifolia* Retz., La Gomera, Hermigua, 17.2.1970.
- Fig. 22.- *Cosmopterix coryphaea* Walsingham, Männl. Kopulationsapparat, GU/KiI, Nr. 4195, Kreta, Knossos, 16.7.1957, leg. Reisser.
- Fig. 23.- *Pleobates thanaosella* (Walsingham) (Walsingham), Männl. Kopulationsapparat (nach Riedl, 1969).
- Fig. 24.- *Hodgesella rhodorrhizella* Kasy, Weibl. Imago, Los Llanos, e. l. 2.12.1966.
- Fig. 25.- *Hodgesella rhodorrhizella* Kasy, Männl. Kopulationsapparat (nach Kasy, 1970).
- Fig. 26.- *Hodgesella rhodorrhizella* Kasy, Weibl. Kopulationsapparat (nach Kasy, 1970).
- Fig. 27.- *Hodgesella rhodorrhizella* Kasy, Mine an *Convolvulus floridus* L.f. Ten., Barranco Ruiz, 4.3.1970.
- Fig. 28.- *Coccidiphila ledererella* (Zeller), Männl. Kopulationsapparat, GU/KiI, Nr. 4211, Ten., Los Silos, Barranco, e. l. 4.3.1975.
- Fig. 29.- *Coccidiphila ledererella* (Zeller), Weibl. Kopulationsapparat, Ten., Puerto de la Cruz, 24.2.1970, GU/KiI, Nr. 4194.
- Fig. 30.- *Ascalenia acactella* Chretien, Männl. Kopulationsapparat, GU/Kasy, Nr. 184, La Gomera, Hermigua, e. l. 19.-27.12.1966 (*Acacia farne- siana* Willd.).
- Fig. 31.- *Ascalenia acactella* Chretien, Weibl. Kopulationsapparat, GU/Kasy, Nr. 183, Daten wie Fig. 30.

ther 9♂♂ and 1♀ from different localities.

*lylæus* (*Paraprosopis*) *canarisnsis* n. sp.

Type area: Canary Islands (Tenerife)

Type material: Holotype ♀ and allotype ♂, Tenerife: Las Cañadas del Teide, 2150 m. alt., 17-V-1960, O. Lundblad leg., in coll. Swedish Museum Nat. Hist., Stockholm.

Paratypes: Las Cañadas del Teide, 17-V-1960, 17♂♂ 3♀♀ O. Lundblad leg. (RM), Las Cañadas, 20-V-1947, 6♂♂ 5♀♀ H. Lindberg leg. (ZMH), 1-VI-1957, 1♂, H. Lindberg leg. (ZMH), Las Cañadas, 17-V-1966, 6♂♂, J.M. Fernández leg. (MCN), 15-V-1960, 4♂♂, G. Ortega leg. (MCN), 5-V-1972, 1♂, J.M. Fernández leg. (MCN); Las Cañadas, 2200 m. alt., 23-ii-1976, 1♂ (*Ferula linki* Webb.), A. Machado leg.; Las Mercedes, 20-V-1957, 2♂♂ 1♀, O. Lundblad (RM).

Female (holotype): Head black, clypeus and supraclypeal area black with reticulate-striation and punctured. Facial spots black, only a very small white spot on each side of the clypeus, labrum black in the middle part a cavity. Malar space narrow, mandibles black. Antennae scape black, 1st joint black, 2nd joint partly black, other joints black, beneath yellow-brown. Fovae on the vertex convergent against the ocelli. Vertex of the head, scapes and mandibles with long pale hairs.

Thorax black, also pronotal collare, humerale tuberculae black, tegulae pitch-black. Cordiformed area very fine lineo-reticulated above with a few short ridges. Wings hyaline, veins and stigma black. Legs black, only a little white spot at the apex of tibiae I-III. Thorax with long pale hairs.

Abdomen black, 1st tergite with reticulate-striation and minute punctuation, on each side of the margin a small more or less distinct line of white hairs, other tergites have reticulate-striation and minute punctuation.

Length: 3-3.5 mm.

Male (allotype): Head black, ocellar region of the capsula fine punctated, Clypeus, supraclypeal area and facial spots white, the spots reaching the antennal socket. Labrum and mandibles black. Malar space narrow. Antennae scape, 1st and partly 2nd joint black, other joints above black, beneath yellow-brown. Vertex of the head, scapes and mandibles with long, pale, hairs.

Thorax black, small punctured with long white hairs. Pronotal collare, humerale tuberculae black, tegulae pitch-black. Cordiformed area as the fe-

