

Esperiana Memoir 3

Esperiana Memoir 3: 1-495, 45 Taf. Schwanfeld, 20. Dezember 2007 ISBN 3-938249-05-6

Lepidoptera Africana Part 3

Review of the genus *Zamarada* Moore, 1887 (Lepidoptera: Geometridae) in Tanzania, with description of new species (Leif Aarvik & Anders Bjørnstad)

Revision of the African species of the genus *Feliniopsis* Roepke, 1938 (= *Eutamsia* Fletcher, 1961) (Lepidoptera, Noctuidae) (Hermann H. Hacker and Michael Fibiger)

Revisional notes on the Genus *Thiacidas* WALKER, 1855, with descriptions of Thiacidinae subfam. nov. and eleven new species (Lepidoptera, Noctuidae) (Lepidoptera, Noctuidae) (Hermann H. Hacker and Alberto Zilli)

Revision of the African species of the genus *Brevipecten* Hampson, 1894, with description of the genus *Honeyia* gen. nov. (Lepidoptera, Noctuidae) (Hermann H. Hacker and Michael Fibiger)

The family Galacticidae in Yemen (Insecta, Lepidoptera, Ditrysia incertae sedis) with description of four new species (Wolfram Mey)

Macrosenta purpurascens spec. nov., eine neue Notodontidae-Art aus dem Yemen (Lepidoptera) (Hermann H. Hacker, Michael Fibiger & Hans-Peter Schreier)

Neue Eupterotidae - Arten aus Afrika (Bombycoidea, Eupterotidae) (Lars Kühne)

A new Snouted Tiger species from Eastern Africa (Lepidoptera, Aganidae) (Lars Kühne)

Beschreibung neuer Flechtenbärenarten aus Afrika nebst taxonomischen Anmerkungen (Arctiidae: Lithosiinae) (plates 43-44) (Lars Kühne)

Plates

Index

Abstracts

Review of the genus *Zamarada* MOORE, 1887 (Lepidoptera: Geometridae) in Tanzania, with description of new species (Plates 1-9) by

Leif AARVIK & Anders BJØRNSTAD

Abstract. The 86 species of *Zamarada* known to occur in Tanzania are reviewed. Five additional species that are likely to be present in the country, are also treated. Imagines of all species are figured in colour, and the genitalia of Tanzanian species not depicted by FLETCHER (1974, 1978) are figured. The following species are described as new:

Zamarada ndogo spec. nov.
Zamarada usondo spec. nov.
Zamarada musomae spec. nov.
Zamarada loleza spec. nov.
Zamarada micropomene spec. nov.
Zamarada tristriga spec. nov.
Zamarada tristrigoides spec. nov.
Zamarada mckameyi spec. nov.
Zamarada usambarae spec. nov.
Zamarada uzungwae spec. nov.
Zamarada kiellandi spec. nov.

Zamarada mashariki spec. nov.

Zamarada platycephala orientalis subsp. nov. from western Tanzania is established.

Zamarada granti HERBULOT, 1990 is synonymized with Zamarada lequeuxi HERBULOT, 1983, syn. nov.

**Revision of the African species of the genus *Feliniopsis* ROEPKE, 1938 (= *Eutamsia* FLETCHER, 1961)
(Lepidoptera, Noctuidae)
by**

Hermann H. HACKER and Michael FIBIGER

The genus *Feliniopsis* ROEPKE, 1938 (= *Eutamsia* FLETCHER, 1961) is distributed in the Old World from western tropical Africa to the Pacific, including Indo-Australia. It comprises about 55 species of which 26 species occur in Africa, and so far about 30 species are known from southern Asia and Indo-Australia. The general appearance and superficial similarities make the determination of most of the species problematic. In this paper, the species of the African/Ethiopian region are revised, and redefined.

13 new species:

Feliniopsis politzari HACKER & FIBIGER spec. nov.
Feliniopsis wojtusiaki HACKER & FIBIGER spec. nov.
Feliniopsis legraini HACKER & FIBIGER spec. nov.
Feliniopsis kipengerensis HACKER & FIBIGER spec. nov.
Feliniopsis baueri HACKER & HOPPE spec. nov.
Feliniopsis laportei HACKER & FIBIGER spec. nov.
Feliniopsis insolita HACKER & FIBIGER spec. nov.
Feliniopsis karischi HACKER & HOPPE spec. nov.
Feliniopsis kuehnei HACKER & FIBIGER spec. nov.
Feliniopsis rufigiji HACKER & FIBIGER spec. nov.
Feliniopsis larseni HACKER & FIBIGER spec. nov.
Feliniopsis kobesi HACKER & FIBIGER spec. nov.
Feliniopsis parvula HACKER & FIBIGER spec. nov.

and 4 new subspecies are currently described:

Feliniopsis connivens felix HACKER & FIBIGER subsp. nov.
Feliniopsis hosplitoides aarviki HACKER & FIBIGER subsp. nov.
Feliniopsis laportei dallastai HACKER & FIBIGER subsp. nov.
Feliniopsis annosa anuosoides HACKER & FIBIGER subsp. nov.

One species hitherto regarded as belonging to *Feliniopsis* ROEPKE, 1938 is excluded of the genus. The taxonomy and distribution of all Ethiopian species of *Feliniopsis* are presented here.

The male and female genitalia of all species have been studied exhaustively, incl. all available type specimens. The type-species and the relationship to all the sister-genera to *Feliniopsis* are described and discussed. The results - mainly through the male and female genitalic features - were scored and analysed from matrices of the distribution of their derived character states. These were the basis from which autapomorphies for the species-groups and the genus and its sister genera were recognised.

Lectotype and neotype designations have been made where necessary. Photographs of all available species and subspecies are illustrated, and female and male genitalia are figured either by photos or by drawings.

**Revisional notes on the Genus *Thiacidas* WALKER, 1855, with descriptions of Thiacidinae subfam. nov.
and eleven new species (Lepidoptera, Noctuidae) (plates 21-30)
by**

Hermann H. HACKER and Alberto ZILLI

A revised overview on the genus *Thiacidas* WALKER, 1855 (= *Panthauma* STAUDINGER, 1892 syn. nov.; = *Auchenisa* HAMPSON, 1905 syn. nov.; = *Trisulana* BETHUNE-BAKER, 1911 syn. nov.; = *Galactomoia* FAWCETT, 1916 syn. nov.; = *Pteronycta* FAWCETT, 1917 syn. nov.) is presented together with descriptions of eleven new species: *Thiacidas kanoensis* spec. nov., *Th. krooni* spec. nov., *Th. leonie* spec. nov., *Th. legraini* spec. nov., *Th. permutata* spec. nov., *Th. submutata* spec. nov., *Th. stassarti* spec. nov., *Th. meii* spec. nov., *Th. juvenis* spec. nov., *Th. intermedia* spec. nov. and *Th. robertbecki* spec. nov. Furthermore, *Auchenisa canemarmorea* HACKER, 2004 is synonymised with *Pteronycta postalbida* GAEDE, 1939 (syn. nov.). *Thiacidas* WALKER, 1855 is also selected as type-genus of Thiacidinae subfam. nov., the enigmatic phylogenetic position of which within the system of the Noctuidae is discussed.

Revision of the African species of the genus *Brevipecten* HAMPSON, 1894, with description of the genus *Honeyia* gen. nov. (Lepidoptera, Noctuidae)
by

Hermann H. HACKER and Michael FIBIGER

The genus *Brevipecten* HAMPSON, 1894 comprises 24 species distributed in tropical-subtropical, open areas of the Old World. 17 species are known from Africa, while the number of species drops back in Asia (6 species) and Australia (1 species). The general appearance and superficial similarities make the determination of most of the species problematic. In this paper, the species of the African / Ethiopian region are revised, and redefined.

One genus, thirteen species and two subspecies are currently described as new for science:

Brevipecten neglecta HACKER & FIBIGER spec. nov.
Brevipecten wolframmeyi HACKER & FIBIGER spec. nov.
Brevipecten hypocornuta HACKER & FIBIGER spec. nov.
Brevipecten discolora HACKER & FIBIGER spec. nov.
Brevipecten tihamae HACKER & FIBIGER spec. nov.
Brevipecten marmoreata HACKER & FIBIGER spec. nov.
Brevipecten bischofi HACKER & FIBIGER spec. nov.
Brevipecten politzari HACKER & FIBIGER spec. nov.
Brevipecten legraini HACKER & FIBIGER spec. nov.
Brevipecten calimani magnifica HACKER & FIBIGER subspec. nov.
Brevipecten calimani stassarti HACKER & FIBIGER subspec. nov.
Honeyia gen. nov.
Honeyia secunda HACKER & FIBIGER spec. nov.
Honeyia tertia HACKER & FIBIGER spec. nov.
Honeyia quarta HACKER & FIBIGER spec. nov.
Honeyia burmeisteri HACKER & FIBIGER spec. nov.

The male and female genitalia of all species have been studied exhaustively, incl. all available type specimens. The results - mainly through the male and female genitalic features - were scored and analysed from matrices of the distribution of their derived character states. These were the basis from which autapomorphies for the species-groups and the genus and its sister genera were recognised.

Lectotype and neotype designations have been made where necessary. Photographs of all available species and subspecies are illustrated, and female and male genitalia are figured either by photos or by drawings.

The family Galacticidae in Yemen (Insecta, Lepidoptera, Ditrysia incertae sedis) with description of four new species
Wolfram MEY

Three species of the genus *Homadaula* LOWER have been found to occur in Yemen. They proved to be unknown and are described herein as: *H. maritima* spec. nov., *H. submontana* spec. nov. and *H. montana* spec. nov. In addition the description of *H. watamomaritima* spec. nov. is provided, a species collected in the coastal region of Kenya. The male and female genitalia of the new species are illustrated. Their presumed relatives are briefly indicated.

***Macrosenta purpurascens* spec. nov., eine neue Notodontidae-Art aus dem Yemen (Lepidoptera)**
Hermann H. HACKER, Michael FIBIGER & Hans-Peter SCHREIER

Description of *Macrosenta purpurascens* spec. nov., a new Notodontidae species from Yemen, collected 2000, during the third Yemen expedition.

**Neue Eupterotidae - Arten aus Afrika
(Bombycoidea, Eupterotidae)**
Lars KÜHNE

Five species of the family Eupterotidae are described from Africa: *Phiala ueleae* spec. nov., *Ph. specialis* spec. nov., *Ph. parabiota* spec. nov., *Ph. maxima* spec. nov., *Stenoglène sulphureoides* spec. nov.

**A new Snouted Tiger species from Eastern Africa
(Lepidoptera, Aganaiidae)**

Lars KÜHNE

**Beschreibung neuer Flechtenbärenarten aus Afrika nebst taxonomischen Anmerkungen
(Arctiidae: Lithosiinae)**

Lars KÜHNE

43 taxa of several Lithosiinae genera from Africa are new described: *Nanna collinsii* spec. nov., *Nanna kamerunica* spec. nov., *Nanna griseata* spec. nov., *Phryganopsis parasordida* spec. nov., *Phryganopsis kinuthiae* spec. nov., *Archilema dentata* spec. nov., *Archilema nivea* spec. nov., *Eilema intermixta* spec. nov., *Eilema tegudentata* spec. nov., *Asura mutabilis* spec. nov., *Asura congoensis* spec. nov., *Asura spinata* spec. nov., *Asura gigantea* spec. nov., *Asura versicolor* spec. nov., *Asura distyi* spec. nov., *Asura doa* spec. nov., *Asura hermanni* spec. nov., *Asura eala* spec. nov., *Asura friederikeae* spec. nov., *Asura pinkurata* spec. nov., *Thumatha kakamegae* spec. nov., *Thumatha brunnea* spec. nov., *Palaeosiccia honeyi* spec. nov., *Exilisia prominentia* spec. nov., *Exilisia contrasta* spec. nov., *Exilisia friederikeae* spec. nov., *Exilisia kruegeri* spec. nov., *Eugoa coronaria* spec. nov., *Eugoa winneba* spec. nov., *Eugoa corniculata* spec. nov., *Siccia pallidata* spec. nov., *Siccia elgona* spec. nov., *Siccia chogoriae* spec. nov., *Siccia margopuncta* spec. nov., *Siccia yvonneae* spec. nov., *Siccia ursulae* spec. nov., *Siccia anserina* spec. nov., *Siccia rarita* spec. nov., *Siccia orbiculata* spec. nov., *Siccia grossagranularis* spec. nov., *Siccia overlaeti* spec. nov., *Siccia eberti* spec. nov. und *Thumatha fuscescens africana* subspec. nov., four new combinations are introduced: *Palaeosiccia major* (KIRIAKOFF, 1958) [*Manoba*] comb. nov., *Exilisia tripuncta* (KIRIAKOFF, 1958) [*Philenora*] comb. nov., *Exilisia disticha* (HAMPSON, 1914) [*Philenora*] comb. nov., *Siccia pustulata* (WALLENGREN, 1860) [*Lithosia*] comb. rev.. Synonyms at species level were found: *Pelosia nitedula* DURANTE & PANZERA, 2002: 283 syn. nov. of *Pusiola minutissima* (KIRIAKOFF, 1958) and *Pusiola nitedula* DURANTE & PANZERA, 2002: 285 (figure name) syn. nov. of *Pusiola minutissima* (KIRIAKOFF, 1958).