

## Esperiana Band 7

ESPERIANA Buchreihe zur Entomologie Bd 7: 1-718, Taf. I-XXVII

Schwanfeld, 30. Juni 1999

ISBN 3-9802644-6 -7

27 Farbtafeln, zahlreiche Abbildungen

### **Insect-Fauna of Yemen Part 1** 7

Editorial 8

History of Collecting Insects in Yemen (Hermann H. Hacker) 10

Systematic List of the Lepidoptera of the Arabian Peninsula with a survey of the spread with special referenceto the fauna of Yemen (Hermann H. Hacker) (Geometridae by Hermann H. Hacker and Axel Hausmann) 15

Literature (Hermann H. Hacker) 196

The genus *Bucculatrix* Zeller, 1839 in Yemen (Lepidoptera, Bucculatricidae (Wolfram Mey) 239

Die Pterophoridae des Jemen (Ernst Arenberger) 245

Eine neue Acentropine aus Arabien und Äthiopien (Wolfram Mey & Wolfgang Speidel) 263

Lepidoptera of Yemen Arab Republic, collected by A. Bischof, H. Hacker and H-P. Schreier in autumn 1996 and B. Müller in summer 1987 (Hermann H. Hacker , Hans-Peter Schreier and Andreas Bischof) 267

Geometrid Moth Species from Yemen (Lepidoptera: Geometridae) (Axel Hausmann) 283

Lycaenid Butterflies from Yemen (Lepidoptera: Lycaenidae) ( Zsolt Bálint) 307

Liste der 1996 festgestellten Arctiidae (Lepidoptera) (Peter Kautt) 311

Bemerkungen zu einigen Lasiocampidae, Notodontidae und Lymantriidae (Hermann H. Hacker) 313

Description of new Noctuoidea (Lepidoptera) species from the Arab Republic of Yemen and list of palearctic relicts of the high Asir mountain chain (2500-3700m) with notes on some Arabian taxa (Hermann H. Hacker) 321

Eine Köcherfliegen-Ausbeute aus dem Jemen (Trichoptera) (Hans Malicky) 343

Orthopteroid Insects of Yemen (Sigfrid Ingrisch) 349

Beschreibung von zwölf neuen Arten und zwei Unterarten mit einer Übersicht über die Artengruppen des *Mythimna* Ochsenheimer, 1816-Komplexes der südostasiatischen Region (II.) (Lepidoptera: Noctuidae) (Márton Hreblay, Albert Legrain and Shin-ichi Yoshimatsu) 377, (462)

Contribution to the Lepidoptera-Fauna of Ghana-Part I: Results of the expeditions 1992-1997 (Lepidoptera, Papilionoidea, Hesperoidea) (Lars Kühne) 399

Ergänzungen zur "Die Noctuidae Vorderasiens" und neuere Forschungsergebnisse zur Fauna der Türkei IV (Lepidoptera) (Hermann H. Hacker) 425

Die Typen der von E. J. Ch. Esper (1742-1810) in seinem "Die Schmetterlinge in Abbildungen nach der Natur" beschriebenen Bombycoidea, Drepanoidea, Geometroidea, Hepialoidea, Lasiocampoidea, Noctuoidea, Pyraloidea, Tineoidea (Lepidoptera) II (Hermann H. Hacker) 443

Revision der Gattung *Hadena* Schrank, 1802 (Lepidoptera: Noctuidae) Addendum et Corrigendum I (Hermann H. Hacker) 463

Die Gattung *Eoophyla* auf den Philippinen II (Wolfgang Speidel & Wolfram Mey) 469

*Pandesma robusta* new to the Italian fauna (Lepidoptera, Noctuidae) (S. Bella & P. Russo) 472

Noctuoidea aus dem Iran, gesammelt 1997 von A. Hofmann und P. Kautt (Insecta, Lepidoptera) (Hermann H. Hacker & Peter Kautt) 473

Neue trifide Noctuidae aus dem himalayanischen Raum und der südostasiatischen Region (Lepidoptera: Noctuidae) (Márton Hreblay & László Ronkay) 485

Records of Noctuidae from Tonkin (Lepidoptera, Noctuidae) (Alberto Zilli) 621

Ergänzungen und Korrekturen zu Band VI 637

Contribution to the Noctuidae fauna of Cyprus, with descriptions of four new species, six new subspecies, and reports of 55 species not previously found on Cyprus (Lepidoptera, Noctuidae) (Michael Fibiger, Danny Nilsson & Poul Svendsen) 639

The Chinese species of the *Diphtherocome pallida* and *D. discibrunnea* species-groups (Lepidoptera, Noctuidae, Acronictinae) in the collection of the Zoologisches Forschungsinstitut und Museum Alexander Koenig, Bonn (Márton Hreblay & Vladimir S. Kononenko) 669

The Noctuidae (Lepidoptera) material collected by two Hungarian expeditions to Mongolia in 1996 and 1997 (Péter Gyulai and László Ronkay) 687

Synopsis und Indizes

### **Zusammenfassungen (Auswahl)**

#### **Ergänzungen zur "Die Noctuidae Vorderasiens" und neuere Forschungsergebnisse zur Fauna der Türkei IV (Lepidoptera)**

Hermann H. Hacker

Abstract The attempt at a comprehensive annotated list of the Noctuoidea of Near East and Turkey (Hacker, 1990, 1992, 1996, 1998) is here supplemented from additional material. Four species, *Opigena huberi* Hacker sp. n., *Catocala brandti* Hacker & Kautt sp. n., *Catocala weiserti* Hacker sp. n., *Catocala wolffi* Hacker sp. n. and three subspecies *Symira nervosa lactea* Hacker & Kautt ssp. n., *Catocala nymphagoga kurdistanica* Hacker ssp. n. and *Catocala brandti schaideri* Habeler & Hacker ssp. n. are described. Some nomenclatorial changes of taxa the genus *Eublemma* Hübner, [1821] of Near East are proposed.

## Die Pterophoridae des Jemen

Ernst Arenberger

Yemen. *Agdistis yemenica* sp. nov., *A. cathae* sp. nov., *A. tihamae* sp. nov., *Stenoptilia sanaa* sp. nov., *Platyptilia dschambiya* sp. nov., *Trichoptilus subtilis* Rebel, 1907, syn. nov.

Zusammenfassung: Insgesamt konnten 26 Arten für die Fauna des Jemen festgestellt werden. Fünf Arten wurden als neu für die Wissenschaft erkannt: *Agdistis yemenica* sp. nov., *A. cathae* sp. nov., *A. tihamae* sp. nov., *Stenoptilia sanaa* sp. nov., *Platyptilia dschambiya* sp. nov. Alle aufgezählten Arten werden durch Farbaufnahmen der Imagines und Fotos der Genitalien dokumentiert.

## Geometrid Moth Species from Yemen (Lepidoptera: Geometridae)

Axel Hausmann

Abstract In this paper the faunistic data of 99 Geometrid species from Yemen are presented. Hitherto 34 Geometridae species had been recorded for the Fauna of Yemen. In the present paper 73 new species are added. Hence the inventory of species arises to 107 species. 20 species are new for the Arabian Peninsula. Five species and two subspecies are described as new: *Diplodesma bischofi* sp.n., *Diplodesma schreieri* sp.n., *Mixocera albistrigata bittermanni* ssp.n., *Acidromodes muelleri* sp.n., *Acidromodes nilotica legraini* ssp.n., *Scopula hackeri* sp.n. and *Heterostegane pulchra* sp.n.. *Scopula nigrinotata nactigali* Herbulot, 1965, stat. nov., is downgraded from species to subspecies rank.

## Description of new Noctuoidea (Lepidoptera) species from the Arab Republic of Yemen and list of palearctic relicts of the high Asir mountain chain (2500-3700m) with notes on some Arabian taxa

Hermann Hacker

Eight species and two subspecies new to science are described from Yemen:

*Drasteria cailino tropicalis* HACKER ssp. n.

*Auchmis isolata* HACKER sp. n.

*Polymixis carolina* HACKER & LEGRAIN sp. n.

*Athetis schreieri* HACKER sp. n.

*Rougeotia dasypolioides* HACKER sp. n.

*Aospasta yemenitica* HACKER & FIBIGER sp. n.

*Hecatera disjuncta* HACKER & FIBIGER sp. n.

*Hadena albimacula fantastica* HACKER & FIBIGER ssp. n.

*Euxoa felicis* HACKER sp. n.

*Agrotis magnifica* HACKER sp. n.

The taxonomy of the species and zoogeographical points of view are discussed. A list of palearctic relicts of the family Noctuidae (Lepidoptera) recorded in the high Asir mountain chain (2700-3700m) in Yemen is given, which confirms the existence of an arboreal biogeographical Yemenian region.

**Die Typen der von E. J. CH. ESPER (1742-1810) in seinem "Die Schmetterlinge in Abbildungen nach der Natur" beschriebenen Bombycoidea, Drepanoidea, Geometroidea, Hepialoidea, Lasiocampoidea, Noctuoidea, Pyraloidea, Tineoidea (Lepidoptera) II**

Hermann H. Hacker

In his "Die Schmetterlinge in Abbildungen nach der Natur" E. J. Ch. ESPER (1742-1810) described many species of Bombycoidea, Drepanoidea, Geometroidea, Hepialoidea, Lasiocampoidea, Noctuoidea, Pyraloidea and Tineoidea (Lepidoptera), of which a number is currently used as valid names, many are synonyms and homonyms, some taxa remain unknown. All taxa are reviewed, the types in the ESPER collection (Zoologische Staatssammlung München) and the collection of GERNING (Landesmuseum Wiesbaden) are checked to promote stability among the scientific names concerning, lectotypes are designated. This second part treats along similar lines as the first part (HACKER, 1998).

**The Chinese species of the *Diphtherocome pallida* and *D. discibrunnea* species-groups (Lepidoptera, Noctuidae, Acronictinae) in the collection of the Zoologisches Forschungsinstitut und Museum Alexander Koenig, Bonn**

M. Hreblay & V. S. Kononenko

Abstract. Seven new species and two new subspecies of *Diphtherocome pallida* group (*D. hoenei* sp. n., *D. hoenei likianga* ssp. n., *D. diverticulata* sp. n., *D. mixta* sp. n., *D. robusta* sp. n., *D. serrata* sp. n., *D. longivalva* sp. n., *D. biformis* sp. n., *D. biformis trimaculata* ssp. n.) are described on the basis of material of ZFMK (Bonn) collected by H. Höne in Central and South West China. The new synonymy *Diphtherocome discibrunnea* (Moore, 1867) - *Daseochaeta mckaenae* Cockerell, 1930 syn. n. is introduced. With 20 colour and 29 genital figures.

**Orthopteroid Insects of Yemen**

Sigfrid Ingrisch

Abstract. A list of 92 species of orthopteroid insects collected during two three-weeks excursions of H.Hacker and colleagues to Yemen is given. The species belong to the Ensifera (16), Caelifera (58), Phasmida (1) and Mantodea (17). Five species are new to science: *Dericorys yemenita* n. sp., *Leva hackeri* n. sp., *Leva obtusa* n. sp. (Caelifera: Acrididae); *Burria cana* n. sp. (Phasmida: Heteronemiidae); and *Amorphoscelis asymmetrica* n. sp. (Mantodea: Amorphoscelididae). A key to the *Acrotylus* species (Caelifera: Acrididae) of Yemen is given using the sculpturation of the pronotum as a new diagnostic character. *Acrotylus innotatus* Uvarov 1933 is raised from a subspecies of *A. insubricus* to full species level. The male of *Sphodromerus rathjensi montanus* Uvarov 1943 is described for the first time. Some notes on the colour dimorphism of the hind wings of *Pycnodictya* species are given. Differences of the species composition during the two excursions (October and April/May) are discussed.

**The Noctuidae (Lepidoptera) material collected by two Hungarian expeditions to Mongolia in 1996 and 1997**

Péter Gyulai and László Ronkay

Abstract: an annotated list of the noctuid material of two Hungarian expeditions to Mongolia in 1996 and 1997 are given, with the descriptions of four new species, *Euxoa mandalgobi* Gyulai et Varga, sp. n., *Sideridis archaica* Gyulai et Ronkay, sp. n., *Conisania monotona* Gyulai et Ronkay, sp. n., *Meganephria retinea* Gyulai et Ronkay, sp. n. are given. With 31 figures.

**Beschreibung von zwölf neuen Arten und zwei Unterarten mit einer Übersicht über die Artengruppen des *Mythimna Ochsenheimer*, 1816-Komplexes der südostasiatischen Region (II.) (Lepidoptera: Noctuidae)**

Márton Hreblay, Albert Legrain and Shin-ichi Yoshimatsu

Abstract - Description of twelve new species: *Mythimna (Pseudaletia) teneri* Hreblay sp. n., *Mythimna (Hyphilare) obscurographa* Hreblay sp. n., *M. (H.) kerala* Hreblay & Legrain sp. n., *M. (H.) albovenosa* Hreblay sp. n., *M. (H.) munnari* Hreblay sp. n., *Leucania petra* Hreblay & Yoshimatsu sp. n., *L. erecta* Hreblay sp. n., *L. vindhyae* Hreblay & Legrain sp. n., *Analetia (Anapoma) himacola* Hreblay & Legrain sp. n., *A. (A.) chapa* Hreblay & Yoshimatsu sp. n., *A. (A.) replicata* Hreblay

& Yoshimatsu sp. n., *A. (A.) complicata* Hreblay sp. n., and two new subspecies: *M. (H.) ferrago caliginata* Hreblay ssp. n., *A. (A.) himacola keracola* Hreblay ssp. n., with the lectotype designation of *L. vana* Swinhoe, 1885. In the complex of *Mythimna* O. -*Leucania* O. one comb. n., one syn. n. and two stat. rev. were established. With 65 genital and 36 imaginal figures.

## **Neue trifide Noctuidae aus dem himalayanischen Raum und der südostasiatischen Region**

**(Lepidoptera: Noctuidae)**

Márton Hreblay & László Ronkay

Abstract: This paper deals with the taxonomic novelties of the Himalayan (Nepal and Pakistan) and Indochinese (Thailand, Vietnam, Laos) Noctuidae fauna. Majority of the new taxa: 1 gen. n., 4 subgen. n., 83 sp. n., and 14 ssp. n. were collected in the mountain area in the winter season. 8 lectotypes are designated here, 11 comb. n., 2 syn. n. and 1 stat. rev. are established. With 168 colour and 241 genital figures.

## **Records of Noctuidae from Tonkin (Lepidoptera, Noctuidae)**

A. Zilli

Abstract: Faunistic data on several noctuid species from Tonkin (North Vietnam) are provided, some of which apparently new to Vietnam. The following synonymy is established: *Grammodes occulta* Berio, 1956 = *Grammodes samosira* Kobes, 1985 (nov. syn.).

## **Bucculatricidae of Yemen**

Wolfram Mey

Abstract: Five new species of *Bucculatrix* are described from Yemen: *B. jiblahensis* n. sp., *B. jemenitica* n. sp., *B. nigrovalvata* n. sp., *B. extensa* n. sp., and *B. makabana* n. sp. *B. endospiralis* Deschka is recorded from Yemen for the first time. The male genitalia of the new species are illustrated. In addition, figures of the male genitalia of *B. telavivella* and *B. endospiralis* are provided for comparison purposes.

## **Noctuoidea aus dem Iran, gesammelt 1997; von A. Hofmann und P. Kautt (Insecta, Lepidoptera)**

Hermann H. Hacker & Peter Kautt

Summary The attempt of a comprehensive annotated list of the Noctuidae of Iran (Hacker, 1990) is here supplemented from additional material, very recently collected 1997 by A. Hofmann and P. Kautt. One new species and one new subspecies of the material comprising 121 species are described in this volume.