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Lepidoptera Africana 4

The Lepidoptera of the Brandberg Massif in Namibia Part 2

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Microlepidoptera: small families

Mey, W.

The article lists the species of several microlepidoptera families which are represented in the Brandberg collection by a few individuals only. The following eleven species are described: *Compsoctena brandbergensis* spec. nov. (Eriocottidae), *Pseudurgis maacki* spec. nov., *Nomima montisusti* spec. nov., *Nomima gaerdesi* spec. nov., *Nomima deserticola* spec. nov. (*Pseudurgis* group), *Paraxenistis serrata* spec. nov., *Paraxenistis africana* spec. nov. (Plutellidae), *Phthinostoma maculata* spec. nov., *Phthinostoma taeniata* spec. nov. (*Phthinostoma* group, Gelechioidea), *Meridarchis regalis* spec. nov., *Carposina longipalpalis* spec. nov. (Carposinidae). The male genitalia, diagnostic features and the adults of the species are illustrated. Their presumed relatives are indicated. An number of additional species are also described but not named, either because of unresolved taxonomy or inadequate material.

Cecidosidae

Mey, W.

The family Cecidosidae is represented in Africa by the genus *Scyrotis* Meyrick only. Three species have been discovered at the Brandberg. *Scyrotis* is a genus of particular biological interest in that it has gall-making larvae. The galls once dropped from the hostplant are moveable and perform jumps caused by the enclosed larvae. In this paper the general morphology, taxonomy, and distribution of the genus are reviewed. Twelve species of *Scyrotis* are recognised in southern Africa including nine new species of which six are described here as: *S. alticolaria* spec. nov., *S. brandbergensis* spec. nov., *S. kochi* spec. nov., *S. matoposensis* spec. nov., *S. namakarooensis* spec. nov., and *S. pulleni* spec. nov. *S. trivialis* Meyrick is resurrected as a valid species. A key based on external characters is provided, and diagnostic characters of all species are illustrated by line drawings and photographs.

Psychidae

Sobczyk, T. & Mey, W.

Five species of Psychidae were found on the Brandberg, Namibia. Three of them proved to be unknown and described herein as: *Australoplacodoma bicolorata* gen. nov. and spec. nov., which differs from the known Placodomininae in wing venation and colour, *Placodoma brandbergensis* spec. nov., *Picrospora maculasquamosa* spec. nov. The description of *Placodoma fulva* spec. nov. from South Africa is included in the article. The adult moths and genitalia of the mentioned species are illustrated.

Chrysopeliidae: New and little-known species of the genus *Gisilia* Kasy from Namibia

Sinev, S. Y.

The genus *Gisilia* is represented in Namibia by five species. All species are described and their external and genital characters are illustrated. A new species is described herein as *Gisilia meyi* spec. nov. *Ascalenia stagnans* Meyrick is transferred to the genus *Gisilia* based on the study of the female holotype. Male and female genitalia of *G. conformata* (Meyrick) and *G. stagnans* (Meyrick) are illustrated for the first time.

Depressariidae

Amphisbatidae

Lvovsky, A. L.

One new genus and two new species of Amphisbatidae from Namibia are described: *Paratemelia* gen. nov., *P. namibiella* spec. nov., and *P. meyi* spec. nov. The family is recorded from Africa for the first time. The male and female genitalia of five further species from South Africa (*Oecophoridae* and *Depressariidae*) are described and figured. Their taxonomic position is shortly discussed.

Scythrididae: supplementary data

Bengtsson, B. A.

This article is a complementary addition to the list of scythridid species presented by Bengtsson (2004). Some species have been identified recently. They belong to species described by Edward Meyrick whose collection is preserved in the Natural History Museum, London. Two new species are described but not named. Lectotypes of three species are designated and two

species are synonymised.

Gelechiidae

Bidzilia, O.

75 species of Gelechiidae are here recorded from the Brandberg Massif in Namibia. The adults and male and female genitalia of the more interesting as yet unidentified species are illustrated and their taxonomic position is briefly discussed. For some species a new generic combination is proposed. On the Brandberg, Gelechiidae take a second rank with 75 species after Noctuidae, being the most diverse family of Microlepidoptera. A large number of species are widely distributed in the South African Region. Some of them are considered regional endemics. Nine species of the tribe Gnorimoscheminae have transcontinental ranges. A short synopsis of the different distributional types exhibited by the identified species is provided.

Copromorphidae

Mey, W.

Rhynchoferella syncentra (Meyrick, 1916) comb. nov. is the only species of Copromorphidae found on the Brandberg. It was described in the genus *Sisyroxena* Meyrick, 1916, which is synonymised with *Rhynchoferella* Strand syn. nov. The species was hitherto known from Kwazulu-Natal, Mpumalanga, Gauteng (Transvaal) in the RSA and from Madagascar. Female and male genitalia are illustrated for the first time. The species is related to *R. simplex* Strand. The genitalic characters of the male holotype of *R. simplex* are illustrated. Two further species of the genus were detected in Kenya and Equatorial Guinea: Bioko Island. They are described herein as *R. kuehnei* spec. nov. and *R. hoppei* spec. nov. A new diagnosis of the genus is presented. *Rhynchoferella* has an Afrotropical range. The hitherto known species of Copromorphidae from Africa are summarised in a checklist.

Pyralidae: Pyralinae

Leraut, P.

22 species of the subfamily Pyralinae are reported here from Namibia. Sixteen have been found on the Brandberg Massif, and eleven of them proved to be unknown and are described herein as: *Hypotia brandbergensis* spec. nov., *H. decembrisalis* spec. nov., *H. meyi* spec. nov., *H. namibiensis* spec. nov., *Synaphe fuscochralis* spec. nov., *Pseudozitha alticolalis* spec. nov., *Pithyllis pallidalis* spec. nov., *Aglossa tinealis* spec. nov., *Loryma sinuosalis* spec. nov., *Namibiodes brandbergensis* spec. nov., and *Namibina namibicola* spec. nov. Three new genera are established: *Pseudozitha* gen. nov., *Namibiodes* gen. nov. and *Namibina* gen. nov. In addition, the descriptions of *Hypotia eberti* spec. nov., *Scotomera fuliginosalis* spec. nov. and *Tyndis namibiensis* spec. nov. are provided. The species were collected in a region near the Brandberg and elsewhere in Namibia. The male and/or female genitalia of the new species are illustrated. Their presumed relatives are briefly indicated.

Pyralidae: Epipaschiinae

Speidel, W.

The Epipaschiinae of the Brandberg and from Namibia are reviewed and a new species, *Epilepia meyi* spec. nov. is described. The adult moth, and the male and female genitalia are illustrated.

Pyralidae: Phycitinae

Mey, W.

The article lists the species of the subfamily Phycitinae which are represented in the Brandberg collection. A total of 53 species were recognised. 20 species could be named, 17 species were identified at the genus level only, and for another 16 species the generic association remained open. The male and female genitalia of a number of species were illustrated. Photos of the adults of the majority of the unidentified species are presented to facilitate their future identification.

Macrolepidoptera: small families

Mey, W.

The article lists the butterflies and species of the families Thyrididae, Limacodidae and Lymantriidae. From the last family two new species are described: *Tearosoma daures* spec. nov. and *Bazisa transmutata* spec. nov. The male genitalia are illustrated and photos of the adult moths are presented. The taxonomic position of the new species is briefly discussed.

Metarbelidae

Lehmann, I.

Four new species of Metarbelidae are described from the Brandberg Massif, and one species from the Karas Region, Namibia: *Teragra cammae* spec. nov., *Metarbela kobesi* spec. nov., *Metarbela weinmanni* spec. nov., *Salagena meyi* spec. nov., and *Arbelodes kroonae* spec. nov. Photos of the adults of the new species and illustrations of the genitalia and wing venation are presented. *Metarbela cymaphora* Hampson, 1910 is recorded from Angola for the first time, where it was collected in Benguela. The Metarbelidae currently contain at least 180 species in the Afrotropical Region, including at least one endemic genus (*Arbelodes* in southern Africa) and 25 % endemic species. The diversity, biogeography, endemism and host-plant relationships of the group in the Afrotropical Region is discussed.

Cossidae

Mey, W.

Three species of Cossidae were collected on the Brandberg: *Artiocossus strigulatus* Gaede, *A. peliopterus* Clench and *Brachylia eutelia* Clench. The male genitalia of the species are illustrated. The types of *A. strigulatus* and *A. peliopterus* were examined. Illustrations of two further species from Namibia are provided: *Artiocossus* spec. and *Aethalopteryx forsteri* Clench. The hitherto known species of Cossidae from Namibia are summarised in a checklist.

Sphingidae

Eitschberger, U.

Die Schwärmerausbeute der Jahre 2000, 2001 und 2003 der Expeditionen zum Brandberg und an andere Orte in Namibia, durchgeführt vom Museum für Naturkunde der Humboldt-Universität zu Berlin, wird hier zusammenfassend ausgewertet. Insgesamt handelt es sich um 12 Arten. *Hoplistopus butti* Rothschild & Jordan, 1903 syn. nov. wird als artgleiche, dunkle Farbvariante von *Hoplistopus penricei* Rothschild & Jordan, 1903 erkannt und synonymisiert.

Lasiocampidae

Zolotuhin, V.

A list of the Lasiocampidae collected in Namibia and Southern Africa with special references to the Brandberg is given. Four new species are described: *Sena meyi* spec. nov. (Namibia), *Chondrostegoides nobilorum* spec. nov. (South Afrika), *Ch. magna* spec. nov. (South Afrika), and *Ch. jamaka* spec. nov. (South Afrika). A provisionally list of species is given for *Anadiasa Aurivillius*, 1904, *Streblote Hübner*, [1820], *Stoermeriana de Freina & Witt*, 1983 and *Chondrostegoides Aurivillius*, 1905. The following new synonyms are established:

Anadiasa obsoleta obsoleta (Klug, 1830) = *Anadiasa bisrati* Rougeot, 1984, syn. nov.; *Anadiasa simplex* Pagensteher, 1903, = *Trichiura definita* Bethune-Baker, 1911, syn. nov.; *Streblote capensis* (Aurivillius, 1905) = *Taragama rangei* Gaede, 1915, syn. nov.; *Streblote diplocyama* (Hampson, 1909) = *Streblote panda aethiopica* Rougeot, syn. nov.

Arctiidae

Kühne L.

Eight species of Arctiidae from Brandberg Massif and Namibia are listed and figured. The male genitalia of *Micralarctia australis* Watson, 1989 is illustrated for the first time.

Noctuidae: supplementary data

Hacker, H.

The paper is the second part of the study of Nolidae and Noctuidae of the Brandberg Massif in Namibia. The genus *Acontia* Ochsenheimer, 1816 is treated in more detail, and four new species are described: *Acontia wolframmei* spec. nov., *Acontia annemaria* spec. nov., *Acontia cimbebasia* spec. nov. and *Acontia aureola* spec. nov. The related genus *Dysmilichia* Speiser, 1902 occurs on the Brandberg with one species which is described herein as *D. namibiae* spec. nov. The diagnostic characters of the new species are described and photos of the genitalia and adult moths are presented. New generic combinations are established for seven species, one species is synonymised.