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### Revision of the genus *Acontia* OCHSENHEIMER, 1816 and the tribus *Acontiini* GUENÉE, 1841 (Old World) (Lepidoptera: Noctuidae: Acontiinae) (38 plts)

by

Hermann H. Hacker, Albert Legrain and Michael Fibiger

#### Summary

The monophyly of the genus *Acontia* is established here by the apomorphic presence of the high number of altogether seven autapomorphies, which are present in the majority of the *Acontia* species. The genus is widespread in both the Old, and The New World. The generic treatment of numerous generic taxa of the subfamily Acontiinae is discussed here; in the case of presence of the *Acontia* autapomorphies the generic taxa are synonymized to *Acontia*. Referring this the genus is subdivided into seven fundamental taxonomic lineages and the actual generic treatment recognized as follows:

1. subgenus *Acontia* Ochsenheimer, 1816 (genotype: *lucida* Hufnagel, 1766)
2. subgenus *Emmelia* Hübner, [1821] 1816 (genotype: *sulphuralis* Linnaeus, 1767)
3. subgenus *Metapioplasta* Wallengren, 1865 (genotype: *simo* Wallengren, 1860)
4. subgenus *Acontarache* Berio, 1977 (genotype: *somaliensis* Berio, 1977)
5. subgenus *Olivacontia* subgen. nov. (genotype: *olivacea* Hampson, 1891)
6. subgenus *Uracontia* Beck, 1996 (genotype: [*urania* Frivaldsky, 1835])
7. subgenus *Eusceptis* Hübner, [1823] (genotype: *irretita* Hübner, [1823])

At the first three subgenera including the high majority of Old and New World species the *Acontia* autapomorphies are completely present; at three further subgenera with only a few Old World species reduced more or less. The seventh subgenus *Eusceptis* Hübner, [1823] is present in the New and absent in the Old World.

The subgenus *Emmelia* occurs in both the Old, and the New World, while the other five subgenera are only found in the Old World.

The total number of the species of the Old World treated here is 174, arranged in subgenera as follows:

1. subgenus *Acontia* Ochsenheimer, 1816 86
2. subgenus *Emmelia* Hübner, [1821] 1816 72
3. subgenus *Metapioplasta* Wallengren, 1865 7
4. subgenus *Acontarache* Berio, 1977 2
5. subgenus *Olivacontia* subgen. nov. 4
6. subgenus *Uracontia* Beck, 1996 3

The primary types of most of the discussed nominal taxa have been examined; of a few taxa types of usually old descriptions were not available; several types were destroyed or have been disappeared - in case of unequivocal assignment neotypes have been designated, other unclear taxa have been stated as nomina dubiosa.

Altogether 174 species and 11 subspecies are regarded as valid. 1 subgenus, 63 species and 9 subspecies are described as new for science; numerous synonyms in species or subspecies rank are established.

**The Moths Fauna (Lepidoptera) of Şile in the Asian Part of Istanbul Province, Turkey (pl. 39)**

Thomas Baron 545

**New records of three Noctuidae species with description of the female of *Hadula osmana* Hacker, 1998 from Iran (Lepidoptera: Noctuidae: Hadeninae)**

Asghar Shirvani, Karim Kamali, Laszlo Ronkay & Ali Asghar Talebi 559

**Summary**

Three noctuid species, *Nezomyza pusilla* (Püngeler, 1900), *Hadula sabulorum distincta* (Staudinger, 1889) and *Hadula osmana* Hacker, 1998 are reported for the first time from Iran. The female of *H. osmana* is firstly described. Adults and genitalia of each species are illustrated together with notes on their bionomy and distribution. With 11 figures.

**Taxonomic and Faunistic notes of certain Noctuidae species (Lepidoptera) for Iran**

Asghar Shirvani, Karim Kamali, Laszlo Ronkay & Ali Asghar Talebi 565

**Summary**

Ten noctuid species, *Dichagyris danilevskyi* (Stshetkin, 1965), *Scythocentropus eberti* Hacker, 2001, *Graphantha laciniosa laciniosa* (Christoph, 1887), *Auchmis indica* (Walker, 1865), *Saragossa siccanorum poecilographa* Varga & Ronkay, 1991, *Cleonymia jubata* (Oberthur, 1890), *Metopoceras eutychna* Rebel, 1948, *Pseudozarba bipartita* (Herrich-Schaffer, 1850), *Acontia catenula* (Walker, 1865), and *Spaelotis deplorata* (Staudinger, 1897) are reported for the first time for the fauna of Iran. The female of *Scythocentropus eberti* Hacker, 2001 is firstly described. Taxonomic and faunistic notes of species are given. Adults and genitalia of species are illustrated together with notes on their bionomy and distribution. With 14 figures.

**A new *Brachygalea* Hampson, 1906 species from Iran (Lepidoptera, Noctuidae, Oncocnemidinae)**

Asghar Shirvani, Laszlo Ronkay, and Ali Asghar Talebi 573

**Summary**

A new *Brachygalea* species, *B. kamalii* spec. nov. from Iran is described. With 9 figures.

**A new *Pseudohadena* Alphéraky, 1889 species from Iran (Lepidoptera, Noctuidae, Xyleninae)**

Asghar Shirvani, Laszlo Ronkay, Karim Kamali and Ali Asghar Talebi 587

**Summary**

Description of a new species of the genus *Pseudohadena* Alphéraky, 1889, *P. zahedana* spec. nov. from Iran is given. The formerly unknown male of *P. deserticola* is described and illustrated. With 7 figures.

**Holcopogoninae aus dem Yemen und aus Israel, mit Neubeschreibungen (Lepidoptera, Autostichidae)**

Georg Derra 581

**Summary**

The species *Hesperesta alicantella* spec. nov. from Spanien, *Gabiletria dorni* spec. nov. from Israel and *Turatia yemenensis* spec. nov. from Yemen are described. The taxon *rhyodes* Meyrick, 1909 is provisionally transferred to the genus *Hesperesta* Gozmany, 1978. The taxa *Turatia scioneura* Meyrick and *Turatia argillacea* Gozmany are discussed.

**Neubeschreibung von *Eudonia fogoalis* spec. nov. von den Kapverdischen Inseln (Lepidoptera: Crambidae, Scopariinae)**

Georg Derra 595

**Summary**

Description of *Eudonia fogoalis* spec. nov., the second species of the genus *Eudonia* Billberg, 1820 from the Cape Verde Isles.

***Arytrura musculus* (Menetries, 1859): Bemerkungen zur Biologie und Beschreibung der Präimaginalstadien (Lepidoptera: Noctuidae)**

Helmut Forster, Herbert Forster & Gerhard Forster 597

**Zusammenfassung**

Den Autoren gelang es erstmals, erfolgreiche Eizuchten von *Arytrura musculus* (Menetries, 1859) durchzuführen. In der vorliegenden Arbeit werden Ergebnisse dieser Zuchten, sowie Beobachtungen über die Lebensweise und eine Beschreibung der Präimaginalstadien publiziert.

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