

MORPHOLOGY, PHYLOGENY AND CLASSIFICATION OF ADULT ENDOMYCHIDAE (COLEOPTERA: CUCUJOIDEA)

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Abstract.— The cucujoid family Endomychidae is characterized. Detailed morphology of 36 exemplar genera representing 12 recently recognized subfamilies is presented. Cladistic analysis was accomplished based on 50 taxa (47 genera from Endomychidae and Coccinellidae – the ingroup, and 3 genera from Helotidae, Brachypteridae and Protocucujidae – the outgroups) coded for 40 adult, morphological characters. Based on the analysis, a phylogeny of the family is hypothesized. Results of the analysis suggest that the Endomychidae form a monophyletic taxon, which may be divided into 12 subfamilies: Danascelinae (**subfam. nov.**), Xenomycetinae, Endomychinae, Anamorphinae, Merophysiinae, Lycoperdininae, Stenotarsinae, Epipocinae, Eupsilobiinae, Pleganophorinae, Mycetaeinae and Leiestinae. Short diagnoses for the family and subfamilies, as well as a key to the subfamilies are provided. The following two new, subfamily synonyms are proposed: Anamorphinae Strohecker, 1953 (=Acritosomatinae Pakaluk and Ślipiński, 1995) and Merophysiinae Seidlitz, 1872 (=Holoparamecinae Seidlitz, 1888). *Adamia* **gen. nov.** (type species: *A. mexicana* **sp. nov.**) and *Erotendomychus lawrencei* **sp. nov.**, are described. Type species are designated for the following genera: *Niteta* Weise, 1890 (*N. quatuordecimpunctata* Weise, 1890), *Oediarthrus* Gerstaecker, 1858 (*O. natalensis* Gerstaecker, 1858) and *Stenotarsoides* Csiki, 1900 (*S. quadrimaculatus* Csiki, 1900). History of classification and known facts concerning the biology of the family are provided.



Key words.— Coleoptera, Cucujoidea, Endomychidae, genera, morphology, phylogeny, classification.

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THE LARVAE OF LEIESTINAE WITH NOTES ON THE PHYLOGENY OF ENDOMYCHIDAE (COLEOPTERA: CUCUJOIDEA)

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Abstract.— Larvae representing three genera of Leiestinae (Coleoptera, Endomychidae) are described and illustrated: *Leiestes seminiger* (Gyllenhal) (Poland, Białowieża National Park), *Phymaphora pulchella* Newman (USA, Virginia), and *Rhanidea unicolor* (Ziegler) (USA, New Jersey). The larval characters of Endomychidae and its subfamilies are discussed, and the key to the known genera is provided. The larval characters show only partial congruence with the recent family classification based on the adult data.



Key words.— Coleoptera, Endomychidae, Leiestinae, *Leiestes*, *Rhanidea*, *Phymaphora*, larvae, biology, mycophagy.

NOTOCORAX MINIMUS SP. NOV. FROM BURMA (COLEOPTERA: TENEBRIONIDAE: PLATYNOTINI)

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Abstract.— *Notocorax minimus* sp. nov. from Burma is described, illustrated and compared with their relatives.



Key words.— Coleoptera, Tenebrionidae, Platynotini, *Notocorax*, new species, Burma.

THREE NEW SPECIES OF *ATROCRATES* KOCH, 1956
FROM SOUTH AFRICA (COLEOPTERA: TENEBRIONIDAE:
PLATYNOTINI), WITH A NOTE ON THE OVOVIVIPARITY

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Abstract.— Three new species of the genus *Atrocates* Kuch, 1956 are described and illustrated: *A. gansbaaiensis*, *A. medvedevi* and *A. nudus*. The species belong to the generic group trigonopoid Platynotina from South Africa. Oviviparity has been recorded in *Atrocates medvedevi* sp. nov.



Key words.— Coleoptera, Tenebrionidae, Platynotini, *Atrocates*, new species, ovoviviparity, South Africa.

DESCRIPTION OF LARVA AND DEUTONYMPH
OF *PARATROMBIUM INSULARE* (BERLESE, 1910)
(ACARI: ACTINOTRICHIDA: TROMBIDIOIDEA) WITH
CHARACTERISTICS OF ADULT INSTAR AND REMARKS
ON OTHER MEMBERS OF THE GENUS

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Abstract.— A larva of *Paratrombium insulare* (Berlese, 1910), obtained by experimental rearing and a deutonymph collected in the field are described for the first time. The characteristics of adults, completed with biometrical data on females and males, is given. Current problems concerning the taxonomy within *Paratrombium* Bruyant, 1919 with special reference to larval instars are discussed. A key to larvae of *Paratrombium* is provided.



Key words.— acarology, taxonomy, Parasitengona, Trombidiidae, *Paratrombium*, *P. insulare* larvae, key

CATALOGUE OF THE WORLD TROMBIDIIDAE (ACARI: ACTINOTRICHIDA: TROMBIDIOIDEA)

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Abstract.— Three subfamilies, 20 genera and 234 species assigned to family Trombidiidae are listed. Data on known active instars as well as distribution data are given. Incertae sedis taxa are listed separately.



Key words.— Acari, Trombidiidae, World, catalogue.

REDESCRIPTION AND NEW RANK OF *THERMOCYCLOPS* *TCHADENSIS* DUSSART ET GRAS, 1966 (COPEPODA: CYCLOPOIDA)

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Abstract.— *Thermocyclops tchadensis* Dussart et Gras, 1966 is redescribed. Comparison to the closest species and specially *Th. iwoyensis* Onabamiro, 1952 lead to the conclusion that *Th. tchadensis* must be considered as a subspecies of *Th. iwoyensis*, as *Th. iwoyensis tchadensis*.



Key words.— Copepoda, Cyclopidae, *Thermocyclops iwoyensis tchadensis* new rank, Africa.