

## TWO NEW SPECIES OF *STACHORUTES* DALLAI, 1973 FROM NORTH VIETNAM (COLLEMBOLA: NEANURIDAE)

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**Abstract.**— *Stachorutes triocellatus* sp. nov. and *Stachorutes tieni* sp. nov. are described and illustrated. Taxonomic remarks are given.



**Key words.**— entomology, taxonomy, Collembola, Neanuridae, Pseudachorutinae, *Stachorutes*, new species, North Vietnam.

## PHYLOGENY AND CLASSIFICATION OF CANTACADERINI [=CANTACADERIDAE STAT. NOV.] (HEMIPTERA: TINGOIDEA)

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**Abstract.**— The tribe Cantacaderini (sensu Froeschner 1996) was studied morphologically and phylogenetically, and its systematic position within Tingidae *s. lato* was estimated. The cladistic analysis at the tribal level within Tingidae *s. lato* has shown the subfamily Cantacaderinae is a polyphyletic taxon; moreover, it identified the tribe Phatnomatini (sensu Froeschner 1996) as a sister group of the subfamily Tinginae, while the tribe Cantacaderini (sensu Froeschner 1996) as an evolutionary lineage is quite separate from Phatnomatini (both have hitherto been united within Cantacaderinae). A new classification of the superfamily Tingoidea is proposed, that includes its division into three families, i.e. the Cantacaderidae (new family status), the Tingidae with two subfamilies, Phatnomatinae (new subfamily status) and Tinginae, and the Vianaididae.

On the basis of the cladistic analysis at the generic level, the Cantacaderidae is divided into two subfamilies, i.e. Cantacaderinae Stål (*sensu novo*) and Carldrakeaninae *subfam. nov.*; moreover, the former was proved to consist of two tribes, namely Cantacaderini *s. str.* and Ceratocaderini *trib. nov.* The ancestral area for the whole family was estimated, and its historical biogeography was also discussed.

Furthermore, diagnostic characters for the family, subfamilies, tribes and all the genera, with a list of their species (including data on type material and distribution) are presented. Lectotypes are designated for *Piesma tingidoides* Spinola, 1852, *Cantacader attenuatus* Distant, 1902, *Cantacader lethierryi* Scott, 1874, and *Cantacader uniformis* Distant, 1902.



**Key words.**— Hemiptera, Heteroptera, Tingoidea, Cantacaderidae, Tingidae, taxonomy, classification, phylogeny, historical biogeography, new status, new taxa.

## RICANOPSIS KINGAE SP. NOV. FROM AFRICA (HEMIPTERA: AUCHENORRHYNCHA: RICANIIDAE)

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**Abstract.**— *Ricanopsis kingae* sp. nov. from Central Africa, is described and illustrated.



**Key words.**— Hemiptera, Auchenorrhyncha, Ricaniidae, *Ricanopsis kingae*, new species, Republic of Central Africa, Congo, Cameroon.

## REDESCRIPTION OF TRITOPHANIA PATRUELIS JACOBI, 1938 FROM EOCENE BALTIC AMBER (HEMIPTERA: NOGODINIDAE)

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**Abstract.**— *Tritophania patruelis* Jacobi, 1938 from the Eocene Baltic amber is redescribed on the basis of four specimens from different collections. Its family, subfamily and tribal range is discussed. *T. patruelis*, according to its characters, is placed in Nogodinidae: Bladinini, Gaetulina *sensu* Fennah (1978).



**Key words.**— Hemiptera, Fulgoroidea, Nogodinidae, *Tritophania patruelis*, redescription, Eocene Baltic amber.

## ***EPURAEOSOMA*, A NEW GENUS OF HISTERINAE AND PHYLOGENY OF THE FAMILY HISTERIDAE (COLEOPTERA, HISTEROIDEA)**

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**Abstract.**— *Eपुरaeosoma* **gen. nov.** (type species: *E. kapleri* **sp. nov.**) from Malaysia, Sabah is described, and its taxonomic placement is discussed. The current concept of the phylogeny and classification of Histeridae is critically examined. Based on cladistic analysis of 50 taxa and 29 characters of adult Histeridae a new hypothesis of phylogeny of the family is presented. In the concordance with the proposed phylogeny, the family is divided into three groups: Niponiomorphae (incl. Niponiinae), Abraeomorphae and Histeromorphae. The Abraeomorphae includes: Abraeinae, Sapriniinae, Dendrophilinae and Trypanaeinae. The Histeromorphae is divided into 4 subfamilies: Histerinae, Onthophilinae, Chlamydopsinae and Hetaeriinae.



**Key words.**— Coleoptera, Histeroidea, Histeridae, new genus, phylogeny, classification.

## ***SUNDAPTINUS TAMDAOENSIS*, NEW SPECIES OF SPIDER-BEETLES (COLEOPTERA: PTINIDAE) FROM VIETNAM**

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**Abstract.**— New species – *Sundaptinus tamdaoensis* **sp. nov.** from Tam Dao is described.



**Key words.**— Entomology, taxonomy, Vietnam, Ptinidae, Coleoptera, new species.

**NOTES ON THE AETHINA COMPLEX (COLEOPTERA:  
NITIDULIDAE: NITIDULINAE), WITH A REVIEW OF *AETHINA*  
(*CLEIDORURA*) SUBGEN. NOV. AND *AETHINA* (*IDAETHINA*)  
GEMMINGER ET HAROLD**

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**Abstract.**— The *Aethina* complex of genera is defined and delimited, a key is given to the included genera and subgenera, and comments are made on the evolution of anthophagy, carpophagy and leaf-mining in the group. Keys and species reviews are given for *Aethina* (*Cleidorura*) subgen. nov. and *Aethina* (*Idaethina*) Gemminger et Harold. The following **new species** are described: *A. (C.) malekulensis*, *A. (C.) sulawesiensis*, and *A. (C.) transfusa*. The following **new combinations** are proposed in *Aethina* (*Idaethina*): *abbreviata* (Fabricius) (*Nitidula*); *brunnescens* (Reitter) (*Macroura*); *concolor* (Macleay) (*Nitidula* – *Macroura*); *cuneata* (Grouvelle) (*Macroura*); *deceptor* (Blackburn) (*Macroura*); *inermis* (Blackburn) (*Macroura*); *lugens* (Grouvelle) (*Macroura*); *sobrina* (Olliff) (*Macroura*). The following **new synonymies** are proposed in *Aethina* (*Idaethina*): *abbreviata* (Fabricius) (= *Macroura nigra* Reitter, = *M. multilineata* Grouvelle, = *M. bicalcarata* Blackburn); *concolor* (Macleay) (= *M. lesnei* Grouvelle, = *M. bouvieri* Grouvelle, = *M. fauveli* Grouvelle, = *M. punctulata* Grouvelle); *punctata* (Reitter) (= *M. pascoei* Grouvelle); *sobrina* (Olliff) (= *M. atra* Grouvelle, = *Carpophilus ordinatus* Olliff); *subrugosa* (Grouvelle) (= *M. dubia* Grouvelle). The name *Australaethina* **nom. nov.** is proposed as a replacement for *Idaethina* Reitter, 1875 (not Gemminger et Harold, 1868). **Additional new combinations** are: *Lordyra americanus* (Reitter) (*Lasiodyctylus*), *L. loretoensis* (Bruch) (*Neopocadius*), *L. villosus* (Blanchard in Brullé) (*Nitidula* – *Lasiodyctylus*), *Psilonitidula longicollis* (Grouvelle) (*Trimenus*), *Australaethina pilistriata* (Macleay) (*Pocadius* – *Idaethina*), *A. froggatti* (Kirejtshuk et Lawrence) (*Idaethina*), *A. ursula* (Kirejtshuk et Lawrence) (*Idaethina*). Lectotypes are designated for *Psilonitidula grouvellei* Heller, *P. longicollis* (Grouvelle) and several species of *Aethina* (*Idaethina*).



**Key words.**— Coleoptera, Nitidulidae, Nitidulinae, *Aethina* complex, *Aethina*, taxonomy, Indo-Pacific Region.

## TERMITOPHILOUS PLEASING FUNGUS BEETLES: *CHASMATODERA* ARROW AND *RHAMPHIDERA* SKELLEY, GEN. NOV. (COLEOPTERA: EROTYLIDAE: TRITOMINAE)

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**Abstract.**— The new genus *Rhamphidera* Skelley (type species: *Chasmatodera perplexa* Skelley) is described. New species described are *Rhamphidera eureka* Skelley and *Chasmatodera mystica* Skelley. A key to, and descriptions of, the members of *Rhamphidera* Skelley and *Chasmatodera* Arrow are presented. Label data indicate that *Rhamphidera eureka* lives with fungus growing termites, *Protermes prorepens* (Sjöstedt) (Isoptera: Termitidae). Similarly modified structures of other species in these genera indicate they are also termitophilous.



**Key words.**— Termite, Coleoptera, Erotylidae, *Chasmatodera*, *Rhamphidera*.

## A REVISION OF THE GENUS *COLYDIUM* FABRICIUS, 1792 (COLEOPTERA: ZOPHERIDAE: COLYDIINAE)

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**Abstract.**— World species of the genus *Colydium* Fabricius (Coleoptera, Zopheridae, Colydiinae) are revised. The following new species are described: *Colydium burakowskii* sp. nov. (Brazil), *C. holynskiorum* sp. nov. (Brazil, Peru, Argentina, Paraguay), *C. manfredi* sp. nov. (Mexico), *C. marleyi* sp. nov. (Jamaica), *C. plaumanni* sp. nov. (Brazil), *C. stipinskii* sp. nov. (Brazil). New synonyms proposed are as follows: *Colydium chiricahuae* Dajoz, 1992 (= *C. glabriculum* Stephan, 1989) and *Irenytha sosyloides* Pascoe, 1863 (= *C. ruficorne* Fabricius, 1801).



**Key words.**— Coleoptera, Zopheridae, Colydiinae, *Colydium*, World, species revision.

# TROMBIDIIDAE (ACARI: ACTINOTRICHIDA, TROMBIDIOIDEA) OF KURIL ISLANDS. PART I. PODOTHROMBIINAE THOR, 1935

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**Abstract.**— *Podothrombium filiforme* Małkol, sp. nov., *P. arbustiforme* Małkol, sp. nov. and a new genus *Kurilothrombium* Małkol with one species, *K. acanthinulum* Małkol gen. et sp. nov., all from the Kuril Islands, are described and illustrated in the adult instar. *Podothrombium strandi* var. *vogesianum* is regarded as *P. strandi*.



**Key words.**— acarology, taxonomy, Podothrombiinae, *Kurilothrombium*, new genus, new species, Kuril Islands.