

# REVISION OF *MORANA* SHARP AND ALLIED GENERA (COLEOPTERA: STAPHYLINIDAE: PSELAPHINAE)

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**Abstract.**— An informal *Morana* group is defined to accommodate several genera placed previously in Iniocyphini and Proterini, with five new genera and 76 new species here described. Members of the *Morana* group share the presence of temporal patches, curved, apically thickened metatibiae, and weakly sclerotized aedeagi. Two subgroups are recognized, the *Morana* and the *Nipponobythus* subgroups. A key to genera of the *Morana* group is provided, and members of the *Morana* subgroup are revised, described or redescribed, illustrated, and keyed. Following taxa are described as new: *Armariolus* gen. nov., *A. aerusator* sp. nov., *A. bombar* sp. nov., *A. brachiatus* sp. nov., *A. glutto* sp. nov., *A. praepilatus* sp. nov., *Cataphractinus* gen. nov., *C. arenarius* sp. nov., *C. clibanarius* sp. nov., *C. crupellarius* sp. nov., *Klarissa* gen. nov., *K. pantagatha* gen. nov., sp. nov., *Maya bracata* sp. nov., *M. churgellae* sp. nov., *M. foveolata* sp. nov., *M. horricomis* sp. nov., *Morana afflictrix* sp. nov., *M. agostii* sp. nov., *M. ampullaria* sp. nov., *M. asema* sp. nov., *M. belajevae* sp. nov., *M. bellicosa* sp. nov., *M. bidentata* sp. nov., *M. brinevi* sp. nov., *M. burckhardti* sp. nov., *M. caudata* sp. nov., *M. clypeata* sp. nov., *M. crustosa* sp. nov., *M. derosa* sp. nov., *M. diatretaria* sp. nov., *M. distensiceps* sp. nov., *M. dorsuosa* sp. nov., *M. epastifrons* sp. nov., *M. eromenion* sp. nov., *M. fastigata* sp. nov., *M. femoralis* sp. nov., *M. galeata* sp. nov., *M. hastulata* sp. nov., *M. histanocerooides* sp. nov., *M. hoplomacha* sp. nov., *M. loquax* sp. nov., *M. lucipeta* sp. nov., *M. lupula* sp. nov., *M. lusciosa* sp. nov., *M. machaerifera* sp. nov., *M. mahadewa* sp. nov., *M. minax* sp. nov., *M. murphyi* sp. nov., *M. nana* sp. nov., *M. obbatifrons* sp. nov., *M. oxymoron* sp. nov., *M. palaung* sp. nov., *M. palpalis* sp. nov., *M. palulifrons* sp. nov., *M. papulifera* sp. nov., *M. pectinicornis* sp. nov., *M. perreai* sp. nov., *M. persolla* sp. nov., *M. petulca* sp. nov., *M. platypes* sp. nov., *M. rebellis* sp. nov., *M. repandirostra* sp. nov., *M. sagax* sp. nov., *M. scapus* sp. nov., *M. schwendingeri* sp. nov., *M. semifacta* sp. nov., *M. sima* sp. nov., *M. sinciput* sp. nov., *M. smetanai* sp. nov., *M. sycosifrons* sp. nov., *M. tibialis* sp. nov., *M. virago* sp. nov., *M. vultuosa* sp. nov., *Multesimus* gen. nov., *M. cuniculus* sp. nov., *M. gallulus* sp. nov., *M. jaccoudi* sp. nov., *M. talpula* sp. nov., *Nippiliphus* gen. nov., *N. crurifragius* sp. nov. and *N. napolovi* sp. nov. *Bythinophanax* Reitter is transferred from Proterini to Iniocyphina, and *Morana exilis* (Reitter), *M. latebrosa* (Reitter) and *M. punctata* (Raffray) are new combinations from *Bythinophanax*. Lectotypes are designated for *Bythinophanax bicornis* Reitter and *B. punctatus* Raffray. *Maya uzeli* Blattny is considered as a *nomen dubium*.



**Key words.**— Coleoptera, Staphylinidae, Pselaphinae, Goniaceritae, taxonomy, Asia.

# TWO NEW SPECIES OF *TONKINIUS* FAIRMAIRE, 1903 FROM BORNEO (COLEOPTERA: TENEBRIONIDAE)

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**Abstract.**— *Tonkinus dusun* **sp. nov.** and *Tonkinus kadazan* **sp. nov.** (Tenebrionidae: Stenochiinae: Cnodalonini) are described from Sabah/Borneo. A species list of the genus is compiled, 3 species occur on Borneo and Sumatra and 4 species (all valid?) are described from continental Southeast Asia. All taxa are quite rare in the collections, probably because of unknown biology.



**Key words.**— Coleoptera, Tenebrionidae, Stenochiinae, Cnodalonini, *Tonkinus*, new species, Borneo, Sabah.

***PLATYMEDVEDEVIA*, A NEW GENUS OF *ECTATEUS*  
GROUP FROM TROPICAL AFRICA (COLEOPTERA:  
TENEBRIONIDAE: PLATYNOTINA)**

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**Abstract.**— *Platymedvedevia demeyeri* **gen. et sp. nov.** from Republic of Zaire are described, illustrated and compared with their relatives. The distribution map is also presented.



**Key words.**— Entomology, taxonomy, Coleoptera, Tenebrionidae, Platynotina, *Ectateus* group, *Platymedvedevia demeyeri*, new genus, new species, Africa, Republic of Zaire.

# NOMENCLATURAL NOTES ON TENEBRIONID BEETLES OF THE PALAEARCTIC REGION (INSECTA: COLEOPTERA)

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**Abstract.**— The type species are designated for the following genus-group names: *Halonomus* Wollaston, 1861 (*Halonomus grayii* Wollaston, 1861 = *Opatrum ovatus* Erichson, 1843), *Heliocrates* Reitter, 1904 (*Heliophilus humerangulus* Reitter, 1904), *Heterophylus* Mulsant et Rey, 1859 (*Helipathes picipes* Faldermann, 1837), *Opatronesthes* Reitter, 1904 (*Melanesthes punctipennis* Reitter, 1889), *Penthomegus* Reitter, 1904 (*Penthicus corpulentus* Reitter, 1896), *Sclerum* Dejean, 1834 (*Opatrum orientale* Fabricius, 1775) and *Stonavus* Reitter, 1904 (*Penthicus alaiensis* Reitter, 1896). *Penthicus pinguis medvedevi* nomen novum is proposed as a replacement name for *Lobodera granulifera* G. S. Medvedev, 1964 (not Reichardt, 1936) which is presently placed in *Penthicus* as junior homonym, and *Barnardiorum* nomen novum for *Tadzhikistania* Barnard et Barnard, 1983 (not Bogatchev, 1960). Statements and corrections are given on previous nomenclatorial acts concerning the following names: *Bogatshevia* G. S. Medvedev et Iwan, 2006, *Ochrolamus* Reitter, 1904 and *Reichardtillina* Kaszab, 1982. A new synonymy is proposed: *Hopatrum hadroide* Fairmaire, 1888 = *Gonocephalum reichardti* Gebien, 1939. Reference are given to preserve the usage of *Opatrum rusticum* A. G. Olivier, 1811 and *Opatrum perplexum* Lucas, 1846 which are threatened by recently noticed senior homonyms.



**Key words.**— Coleoptera, Tenebrionidae, Crustacea, Amphipoda, Sarothrogammaridae, nomenclature, type species, homonymy, replacement name, synonymy.

***BLENOSIA UHLIGI* AND *PLANOSTIBES JAEGERI*, TWO  
NEW SPECIES FROM SOUTHERN AFRICA  
(COLEOPTERA: TENEBRIONIDAE: OPATRINA)**

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**Abstract.**— *Blenosia uhligi* and *Planostibes jaegeri*, two new species from Southern Africa are described and illustrated. The distribution map is also presented.



**Key words.**— Coleoptera, Tenebrionidae, Opatrina, *Blenosia*, *Planostibes*, Africa, entomology, taxonomy, new species.

# FIRST LARVAL DESCRIPTION FOR *SYMBIOTES GIBBEROSUS* (LUCAS) (COLEOPTERA: ENDOMYCHIDAE)

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**Abstract.**— The larva of the endomychid *Symbiotes gibberosus* (Lucas) is described and illustrated. The morphology of the known larvae of Anamorphae is discussed and an identification key to the known anamorphine larvae is provided.



**Key words.**— Coleoptera, Endomychidae, Anamorphae, *Symbiotes*, larvae, morphology.

**SYSTEMATIC POSITION OF THE GENUS  
*TARRODACNE* ZHANG, 1989 (COLEOPTERA:  
HELOTIDAE NON EROTYLIDAE)**

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**Abstract.**— *Tarrodacne* Zhang, 1989, described from the Miocene Shanwang Formation, transferred from the family Erotylidae to Helotidae and synonymized with the genus *Helota*. Replacement name, *Helota zhangii*, for *Helota chinensis* Zhang, Sun et Zhang, 1994, nec Mader, 1955 is given.



**Key words.**— *Tarrodacne*, *Helota*, *Helota palmus*, *Helota zhangii*, Erotylidae, Helotidae, homonym, Miocene, Shanwang, China

***ZEUGOPHORA ENDUWAKOMBUGOENSIS*, A NEW  
SPECIES FROM PAPUA NEW GUINEA (COLEOPTERA:  
CHRYSOMELIDAE: ZEUGOPHORINAE)**

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**Abstract.**— A new species of *Zeugophora* Kunze, 1818 is described from Mount Wilhelm, Bismarck Range, Papua New Guinea. The new species, *Z. enduwakombugoensis*, is the second known from eastern New Guinea.



**Key words.**— Entomology, taxonomy, new species, Coleoptera, Chrysomelidae, *Zeugophora*, Papua New Guinea.



# REVISION OF THE AUSTRALIAN COCCINELLIDAE (COLEOPTERA). PART 7. GENUS *BUCOLUS* MULSANT

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**Abstract.**— The members of the endemic Australian genus *Bucolus* are revised. Nomenclatural history, diagnoses, illustrations and distribution are provided for each species. A key to the species is also presented. Seven new species are described: *Bucolus caesariatus*, *B. cirrhosus*, *B. cyaneus*, *B. dolambiorum*, *B. idyleae*, *B. leucothrix*, *B. orbiculatus*. The following new synonyms are proposed: *Bucolus fourneti* Mulsant, 1850 (= *Bucolus nuytsiae* Lea, 1902; = *Bucolus nigripes* Lea, 1902; = *Bucolus obscurus* Lea, 1902). *Scymnus stragulatus* Erichson, 1842 (= *Bucolinus longicornis* Blackburn, 1892). Lectotypes are designated for: *Bucolinus longicornis* Blackburn, 1892; *Bucolus convexus* Blackburn, 1892; *B. frater* Blackburn, 1895; *B. nigripes* Lea, 1902; *B. nuytsiae* Lea, 1902; *B. obscurus* Lea, 1902; *Scymnus stragulatus* Erichson, 1842 and *Rhizobius blackburni* Lea, 1908.



**Key words.**— Taxonomy, Cucujoidea, Coccinellidae, *Bucolus*, Australia.

# A REVISION OF THE SPECIES OF THE GENUS *DICHAETA* MEIGEN (DIPTERA: EPHYDRIDAE)

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**Abstract.**— The species of the genus *Dichaeta* Meigen are revised, including a phylogenetic analysis of the five recognized species. Two new species are described (type locality in parenthesis): *D. wirthi* (New Jersey. Ocean: Forked River (39°50.1'N, 74°11.8'W)) and *D. zacki* (Idaho. Boundary: Perkins Lake (48°45.4'N, 116°05.5'W)). The identity of *N. transversa* Walker, which had been a nomen dubium, is established and is discovered to be conspecific with *D. ussurica* Krivosheina, the latter thus being a junior synonym. *Dichaeta choui* Fan, described from specimens collected in China, is recognized as a junior synonym of *D. caudata*. In the phylogenetic analysis, the tribe Notiphilini is found to be a well-established, well-corroborated, monophyletic lineage comprising two genera, *Dichaeta* and *Notiphila* Fallén. *Dichaeta* is found to be the sister group to *Notiphila* sensu lato and is accorded generic status, which is a reversion to its former placement when first described. All known species are described with an emphasis on structures of the male terminalia, which are fully illustrated. Detailed locality data and distribution maps for the Nearctic Region are provided. A lectotype is designated for *Notiphila transversa* Walker.



**Key words.**— *Dichaeta*, Notiphilini, Ephydridae, shore flies, phylogeny.

A NEW SPECIES OF THE GENUS *PHYTODIETUS*  
GRAVENHORST, 1829 (HYMENOPTERA:  
ICHNEUMONIDAE) FROM POLAND

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**Abstract.**— A new tryphonine species *Phytodietus (Weisia) januszi* sp. nov. from Poland is described and illustrated. A key to the Palearctic species of the subgenus *Weisia* is provided.



**Key words.**— Ichneumonidae, Tryphoninae, *Phytodietus*, new species, key, Poland.

# THE EARLIEST SPECIES OF THE EXTINCT GENUS *ARCHISARGUS* FROM CHINA (DIPTERA: BRACHYCERA: ARCHISARGIDAE)

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**Abstract.**— Archisargidae, a Jurassic extinct family, is found only in Kazakhstan, China and Mongolia. *Archisargus* Rohdendorf, 1938 is a small genus with two known species from the Middle/Late Jurassic of Kazakhstan. In this paper, two new species from the Middle Jurassic of China, *Archisargus spurivenius* **sp. nov.** and *A. strigatus* **sp. nov.**, are described, and a key to the species of the genus is given. These two species are possibly the earliest representatives of the genus *Archisargus*.



**Key words.**— Diptera, Archisargidae, *Archisargus*, Middle Jurassic, new species, China.

# THE *PROTOHERMES ASSAMENSIS* SPECIES-GROUP (MEGALOPTERA: CORYDALIDAE: CORYDALINAE), WITH DESCRIPTIONS OF TWO NEW SPECIES

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**Abstract.**— A new species-group, the *Protohermes assamensis* group of the dobsonfly genus *Protohermes*, is recognised. Three species belonging to the new species-group from southeastern Asia are described and illustrated, two of which are new to science.



**Key words.**— Corydalidae, Corydalinae, *Protohermes*, species-group, new species, Asia.

# MORPHOLOGY OF JUVENILE STAGES OF *PILOGALUMNA CRASSICLAVA* (BERLESE, 1914) AND *P. ORNATULA* GRANDJEAN, 1956 (ACARI: ORIBATIDA: GALUMNIDAE)

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**Abstract.**— The morphology of the larva and nymphs of *Pilogalumna crassiclava* (Berlese, 1914) and the larva of *P. ornatula* Grandjean, 1956 is described for the first time, the morphology of nymphs of the latter species is redescribed, and adults of both species are illustrated. The juvenile stages of *P. crassiclava* are similar to those of *P. ornatula* in body shape and the number of setae, but differ by several morphological characters, like the shape of gastronotal seta *dp* in the larva and prodorsal seta *le* in the nymphs, intensity of reticulation of gastronotal shield of nymphs and body size. The morphology of juvenile stages of these species is also compared to that of *P. tenuiclava* (Berlese, 1908), and the tritonymph and adult of this species are illustrated. Keys to the larvae and nymphs of all these species are presented.



**Key words.**— Acarology, oribatid mites, juvenile stages, ontogeny, setation, keys.