ANNALES ZOOLOGICI (Warszawa), 1997, 47(1/2): 275-278

TWO NEW SPECIES OF *CASSIDA* LINNAEUS FROM THE ORIENTAL REGION (COLEOPTERA: CHRYSOMELIDAE: CASSIDINAE)

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Abstract.— *Cassida mroczkowskii* **sp. nov.** from Vietnam (Sa pa) and *C. antoni* **sp. nov.** from India (Meghalaya) are described. Both belong to a large group of Oriental species classified in the artificial subgenus *Cyclocassida* Chen et Zia, 1961. *Taiwania* (*Cyclocassida*) *subprobata* Chen et Zia and *Taiwania* (*Cyclocassida*) *variabilis* Chen et Zia are transferred to the genus Cassida Linnaeus.

Key words.— entomology, taxonomy, Coleoptera, Chrysomelidae, Cassidinae, *Cassida*, new species, Oriental Region.

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NEW AND POORLY KNOWN ATELIINAE (COLEOPTERA: LYCIDAE)

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Abstract. — Three new species of Ateliinae are described: *Atelius wittmeri* **sp. nov.** from Hainan, China, *Scarelus palawanensis* **sp. nov.** and *S. kodadai* **sp. nov.** from Palawan, Philippines. *Scarelus inapicalis* Pic, 1925 (Tenasserim) and *S. ardens* Kleine, 1926 from Sarawak, Malaysia, are redescribed. Important morphological characters are illustrated.

Key words. — taxonomy, Coleoptera, Lycidae, *Atelius, Scarelus,* Oriental Region.

ANNALES ZOOLOGICI (Warszawa), 1997, 47(1/2): 209-214

DESCRIPTIONS OF LARVA AND PUPA OF *MYCETINA CRUCIATA* (SCHALLER) (COLEOPTERA, ENDOMYCHIDAE)[1]

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Abstract. — The immature stages (first instar larva, mature larva and pupa) of the endomychid beetle *Mycetina cruciata* (Schaller) are described and illustrated.

Key words. — Coleoptera, Endomychidae, *Mycetina cruciata*, immature stages, biology.

ANNALES ZOOLOGICI (Warszawa), 1997, 47(1/2): 279-283

IMMATURE STAGES OF *SIBINIA PELLUCENS* (SCOPOLI, 1772) (COLEOPTERA: CURCULIONIDAE)

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Abstract. — Larva and pupa of *Sibinia pellucens* are described in detail. The larvae were collected from fruits of *Melandrium album* (Caryophyllaceae); some larvae were reared till pupation.

Key words. — entomology, Coleoptera, Curculionidae, *Sibinia pellucens*, immature stages.

ANNALES ZOOLOGICI (Warszawa), 1997, 47(1/2): 189-198

NEW *ORYZAEPHILUS* GANGLBAUER AND RELATED TAXA FROM AFRICA (COLEOPTERA: SILVANIDAE)

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Abstract. — The following new taxa are described and illustrated, *Oryzaephilus cuneatus* **sp. nov.**, from Namibia and the Republic of South Africa, *Oryzaephilus mucronatus* **sp. nov.**, from Namibia, *Afronausibius pumilus* **sp. nov.**, from Gabon and Cameroon, *Metacorimus mroczkowskii* **gen.** et **sp. nov.**, from Cameroon, and *Saunibius moyseyi* **gen.** et **sp. nov.**, from Sudan and Ghana.

Key words. — Insecta, Coleoptera, Silvanidae, Silvaninae, new genera, new species.

ANNALES ZOOLOGICI (Warszawa), 1997, 47(1/2): 107-110

A NEW SUBFAMILY FOR A REMARKABLE NEW GENUS AND SPECIES OF HYDROPHILIDAE FROM NEW GUINEA (COLEOPTERA: HYDROPHILIDAE)

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Abstract. — A new subfamily, Horelophopsinae **subfam. nov.**, of Hydrophilidae is established for a remarkable new genus and species, *Horelophopsis avita* **gen. nov., sp. nov.**, from Irian Jaya (New Guinea). It is assumed to represent the sister group of the two main subfamilies of Hydrophilidae (Hydrophilinae + Sphaeridiinae). The state of knowledge of New Guinean Hydrophilidae is briefly summarized.

Key words. — Hydrophilidae, new species, new genus, new subfamily, taxonomy, New Guinea.

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MROCZKOWSKIA-KNOT AND THE EVOLUTION OF THE SUBTRIBE CHRYSOCHROINA (COLEOPTERA: BUPRESTIDAE)

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Abstract. — Some subgroups of big, well differentiated and on the whole rather dissimilar genera *Paracupta*, *Iridotaenia*, *Metataenia*, *Chalcoplia* and *Cyphogastra*, as well as the monotypic genus *Periorisma*, show a striking resemblance to one another and to the newly established *Mroczkowskia* (type-species: *Chrysodema artensis* Montrouzier), making an informal assemblage – the "*Mroczkowskia*-knot". As all the remaining members of the Chrysochroina represent extensions or branches of the morphoclines leading from *Mroczkowskia* to the above-mentioned taxa, the *Mroczkowskia*-knot appears – in terms of phylogeny – as evolutionary "crossroads" ancestral to nearly all living representatives of the subtribe (the exception is *Chalcoplia*, hypothesized to be the direct ancestor of *Mroczkowskia*). One of the conclusions of the proposed tentative reconstruction of genealogical tree of the Chrysochroina and Chalcophorina is the reversal of their traditionally accepted relations: the former seems to be a descendant, rather than ancestor, of the latter. Besides *Mroczkowskia*, the subgenera *Paramroczkowskia* (type-species: *Paracupta aeneicollis* Saunders) of *Paracupta*; *Platymroczkowskia* (type-species: *Chrysodema albivittis* Hope), *Leptomroczkowskia* (type-species: *Paracupta bellicosa* Blackburn) and *Iridomroczkowskia* (type-species: *Iridotaenia sulcifera* Saunders) of *Iridotaenia*; *Chalcomroczkowskia* (type-species: *Paracupta aurofoveata* Saunders) of *Chalcoplia*; and *Metamroczkowskia* (type-species: *Iridotaenia clotildae* Gestro) of *Metataenia* are described as new.

Key words. — Coleoptera, Buprestidae, Chrysochroina, Chalcophorina, phylogeny, new taxa.

ANNALES ZOOLOGICI (Warszawa), 1997, 47(1/2): 243-272

REVISION OF THE ASIAN GENERA OF THE TRIBE PLATYNOTINI (COLEOPTERA: TENEBRIONIDAE)

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Abstract. — Asian Platynotini are revised at the generic level. Twelve genera are distinguished, *Adamus* **gen. nov.** (type species: *Platynotus micrositoides* Kaszab, 1975), *Platycolpotus* **gen. nov.** (type species: *Platydendarus dendaroides* Kaszab, 1975) and *Pseudonotocorax* **gen. nov.** (type species: *Pseudonotocorax mroczkowskii* sp. nov.) being new to the science. Five species are described as new to the science: *Colpotinoides bremeri, Notocorax phanrangiensis, N. brancuccii, Pseudoblaps merkli, Pseudonotocorax mroczkowskii. Eucolus* Mulsant et Rey 1853 is synonymized with *Indeucolus* Kaszab, 1975. Keys to genera and species are provided. New characters (especially some provided by the female genitalia) are included in the taxonomic studies, discussed and illustrated; a unique structure present in the bursa copulatrix - a "lock" mechanism - is described.

Key words. — entomology, taxonomy, revision, female genitalia, Coleoptera, Tenebrionidae, Platynotini, Asia.

ANNALES ZOOLOGICI (Warszawa), 1997, 47(1/2): 297-303

MROCZKOWSKIELLA GEN. NOV. AND REVISION OF THE GENUS *DECOPHTHALMUS* CHEVROLAT, 1878 (COLEOPTERA: CURCULIONIDAE: BRACHYDERINAE: DERMATODINI)

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Abstract. — *Mroczkowskiella* **gen. nov.** is proposed, with the type species *Rhinosomphus albolineatus* Hustache, 1919. The genus *Decophthalmus* Chevrolat, 1878 is monotypic. *D. venustus* (Faust, 1886) [= *Epilaris venusta* Faust, 1886] and *D. venustulus* Hustache, 1939 [= *D. venustus* Hustache, 1931, nec Faust] are new synonyms of *D. albiventris* Chevrolat, 1878. Lectotypes are designated for *Epilaris venusta* Faust and *D. venustus* Hustache.

Key words. — Coleoptera, Curculionidae, Brachyderinae, Afrotropical Region, taxonomy, synonyms, *Mroczkowskiella* gen. nov., *Decophthalmus*.

ANNALES ZOOLOGICI (Warszawa), 1997, 47(1/2): 111-156

REVIEW OF AGYRTIDAE (COLEOPTERA), WITH A NEW GENUS AND SPECIES FROM NEW ZEALAND

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Abstract. — The classification of the small family Agyrtidae (formerly part of Silphidae) is reviewed and partially revised. *Zeanecrophilus* **gen. nov.** is proposed for *Necrophilus prolongatus* (type species) plus *Z. thayerae* **sp. nov.**, both from New Zealand. The remaining seven genera and 59 known species of the family are northern temperate in distribution and show disjunct, relict distribution patterns. Three subfamilies are recognized: Necrophilinae **subfam. nov.** for *Necrophilus* and *Zeanecrophilus*; Agyrtinae for *Agyrtes, Ecanus, Ipelates* and *Lyrosoma*; and Pterolomatinae for *Apteroloma* and *Pteroloma*. A detailed description of the family, plus keys to and diagnoses of the subfamilies and genera, are provided for adults and known larvae, and a complete world checklist of the species is appended. Several species-level taxonomic changes are proposed: *Ipelates ruficollis* is resurrected from synonymy with *I. latissimus; Agyrtes similis* is transferred from the subgenus *Agyrtecanus* to *Agyrtes s. str.*; and *Apteroloma koebelei*, *A. plutenkoi*, and *A. rufovittatum* are returned or newly transferred to the genus *Pteroloma*. Genera excluded from Agyrtidae are listed, with their current placements.

Preliminary comments on character homologies and polarities and a phylogenetic diagram are provided, fossils briefly reviewed, and a scenario for the origin of the current amphitropical distribution pattern suggested. The mid-Jurassic genus *Mesecanus* provides a minimal age for agyrtids that is consistent with very plesiomorphic features of adults and larvae. It is suggested that agyrtids were once widespread but are being replaced by younger and more successful groups of beetles. For the carrion-frequenting Necrophilinae, evidence suggests that the replacement group is true Silphidae, which have apparently replaced ancestral necrophilines in the southern temperate areas of Australia and southern South America but not reached New Zealand.

Key words. — Agyrtidae, Silphidae, *Necrophilus, Zeanecrophilus*, phylogeny, New Zealand, amphitropical, vicariance, competitive displacement.

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PROGLYPHOLOMA AENIGMA GEN. ET SP. NOV., *GLYPHOLOMA* SPP. NOV. AND NEW RECORDS, AND A PHYLOGENETIC ANALYSIS OF GLYPHOLOMATINAE (COLEOPTERA: STAPHYLINIDAE)

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Abstract. — The subfamily Glypholomatinae Jeannel, 1962 has contained only the genus *Glypholoma* Jeannel, 1962, first described from Chile; four species have been described from there and adjacent Argentina and one from southeastern Australia. A new genus and three new species from Chile are described here: *Proglypholoma aenigma* **gen.** et **sp. nov.**, apparently the most basal member of Glypholomatinae; *Glypholoma germaini* **sp. nov.**; and *G. chepuense* **sp. nov.** New records are presented for all previously known species, and known distributions of all species are mapped. Analysis of relationships among the species is presented and the biogeography of the subfamily is discussed.

Key words. — *Proglypholoma aenigma*, *Glypholoma*, Glypholomatinae, Staphylinidae, Chile, Australia, southern temperate biogeography.

ANNALES ZOOLOGICI (Warszawa), 1997, 47(1/2): 273-274

DER ERSTE AFRIKANISCHE VERTRETER DER UNTERGATTUNG *ASIONUS* LOPATIN, 1988, *CRYPTOCEPHALUS MROCZKOWSKII* SP. NOV. (COLEOPTERA: CHRYSOMELIDAE: CRYPTOCEPHALINAE)

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Abstract. — *Cryptocephalus mroczkowskii* **sp. nov.** *(Col., Chrysomelidae)*, collected in North Algeria (distr. Batna) is described. It is the first known African species of the subgenus *Asionus* Lopatin.

Key words. — entomology, taxonomy, Coleoptera, Chrysomelidae, Cryptocephalinae, *Cryptocephalus*, subgenus *Asionus*, new species, Africa.

ANNALES ZOOLOGICI (Warszawa), 1997, 47(1/2): 273-274

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Key words. — entomology, taxonomy, Coleoptera, Chrysomelidae, Cryptocephalinae, *Cryptocephalus*, subgenus *Asionus*, new species, Africa.

ANNALES ZOOLOGICI (Warszawa), 1997, 47(1/2): 215-241

A REVIEW OF THE GENUS *ENDOMYCHUS* PANZER (COLEOPTERA: ENDOMYCHIDAE), WITH DESCRIPTIONS OF SEVEN NEW SPECIES

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Abstract.— World species of the genus *Endomychus* are reviewed, keyed and illustrated. The following new synonyms are proposed: *Endomychus coccineus* (Linnaeus, 1758) (=*Endomychus quadripunctatus* Gorham, 1873); *E. atripes* Pic, 1921 (=*E. curtus* Pic, 1927); *E. quadra* (Gorham, 1887) (=*E. ohbayashii* Nakane, 1951; =*E. ohbayashii shirahatai* Nakane, 1951; =*E. ohbayashii kojimai* Nakane, 1994); *E. plagiatus* (Gorham, 1887) (=*E. plagiatus interruptus* Nakane, 1994); *E. gorhami* (Lewis, 1874) (=*E. gorhami kyushuensis* Sasaji, 1978). The following new status is proposed: *E. punctatus* Arrow, 1928 (=*E. divisus punctatus* Arrow, 1928). Lectotypes are designated for *Endomychus armeniacus* Motschulsky, *E. atripes* Pic, *E. curtus* Pic, *E. divisus* Arrow, *E. divisus punctatus* Arrow, *E. tonkineus* Pic, *Caenomychus humeralis* Pic, *C. muelleri* Mader, and *Cyanauges nigropiceus* Gorham. Seven new species are described: *Endomychus pakistanicus* (Pakistan), *E. micrus* (Pakistan), *E. mroczkowskii* (E. Nepal), *E. yunnani* (China: Yunnan), *E. slipinskii* (N. Burma), *E. rogeri* (Vietnam) and *E. agatae* (India: Assam). Distribution, nomenclatural history and diagnoses are provided for each species. *Endomychus rufipes* Pic and *E. nigripes* Mader, are treated here as species *incertae sedis* because of insufficient descriptions and unavailable material.

Key words.— Entomology, taxonomy, revision, Coleoptera, Cucujoidea, Endomychidae, *Endomychus*.

ANNALES ZOOLOGICI (Warszawa), 1997, 47(1/2): 273-274

DER ERSTE AFRIKANISCHE VERTRETER DER UNTERGATTUNG *ASIONUS* LOPATIN, 1988, *CRYPTOCEPHALUS MROCZKOWSKII* SP. NOV. (COLEOPTERA: CHRYSOMELIDAE: CRYPTOCEPHALINAE)

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Key words. — entomology, taxonomy, Coleoptera, Chrysomelidae, Cryptocephalinae, *Cryptocephalus*, subgenus *Asionus*, new species, Africa.

ANNALES ZOOLOGICI (Warszawa), 1997, 47(1/2): 199-207

REDESCRIPTION OF TWO SPECIES FROM *EROTYLUS TECTIFORMIS*-GROUP (COLEOPTERA, EROTYLIDAE, EROTYLINAE)

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Abstract. — *Erotylus tectiformis* Kuhnt and *E. mirabilis* Kuhnt are redescribed and lectotypes designated.

Key words. — Coleoptera, Erotylidae, Erotylinae, Neotropical Region, taxonomy.