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A NEW SPECIES OF *PRONURA* DELAMARE DEBOUTTEVILLE, 1953 FROM NORTH VIETNAM (COLLEMBOLA: NEANURIDAE: NEANURINAE)

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Abstract.— *Pronura pomorskii*, a new species from Vietnam, is described and illustrated. It is characterised by unusual characters for the genus: presence of tubercles between terga of th. I - abd. IV, fusion of tubercles Di on abd. IV and reduction of labial chaetotaxy.

Key words.— Entomology, taxonomy, Collembola, Neanuridae, Neanurinae, Pronura, new species, Vietnam.

ANNALES ZOOLOGICI (Warszawa), 2006, 56(3): 449-455

A NEW SPECIES OF *PROTAPHORURA* ABSOLON, 1901 (COLLEMBOLA: ONYCHIURIDAE: ONYCHIURINAE) FROM ROMANIA AND A REDESCRIPTION OF *PROTAPHORURA GLEBATA* (GISIN, 1952)

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Abstract.— *Protaphorura ionescui* **sp**. **nov**. is described from Romania. This species is closest to *Protaphorura glebata* (Gisin, 1952) which is redescribed, and *P. fimata* (Gisin, 1952). A key for *Protaphorura* with dorsal pseudocellar formula like 33/022/33333 is given.

Key words.— Collembola, Onychiurinae, *Protaphorura*, new species, redescription, Romania.

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A NEW CUPEDID GENUS (COLEOPTERA: ARCHOSTEMATA: CUPEDIDAE) FROM JEHOL BIOTA OF WESTERN LIAONING, CHINA

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Abstract.— A new genus including two new species of fossil cupedids, *Latocupes fortis* **gen**. and **sp**. **nov**. and *L. bellus* **gen**. and **sp**. **nov**., is described from the Yixian Formation of western Liaoning Province, China and assigned to family Cupedidae. A brief morphological analysis shows that the new genus might be sister group of extant genus *Priacma*.

Key words.— Coleoptera, Cupedidae, new genus, new species, Yixian Formation, Jehol Biota, China.

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STROHECKERIA QUADRIMACULATA, NEW GENUS AND NEW SPECIES OF LYCOPERDININAE FROM VIETNAM (COLEOPTERA: ENDOMYCHIDAE)

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Abstract.— *Stroheckeria quadrimaculata* **gen**. and **sp**. **nov**. (Coleoptera: Endomychidae, Lycoperdininae) from Vietnam is described and illustrated. Placement of this genus within the subfamily Lycoperdininae is discussed.

Key words.— Entomology, taxonomy, new genus, new species, Vietnam, Coleoptera, Cucujoidea, Lycoperdininae.

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THE SPECIES OF THE AFRICAN GENUS *STOMYLUS* FÅHRAEUS (COLEOPTERA: TENEBRIONIDAE: DIAPERINAE)

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Abstract.— The species of the tenebrionid genus *Stomylus* Fåhraeus, 1870 (type species *Stomylus bicolor* Fåhraeus, 1870) (syn. *Pselaphidion* Gebien, 1920) within the tribe Diaperini are revised. Seven species are recognized as valid, distributed exclusively in Africa south of the Sahara and lacking in Madagascar. The diagnostic characters are figured (also by Scanning Electron Microscope), new distributional data are given and an identification key is compiled. New synonyms: *Stomylus apicatus* (Gebien, 1910) = *Stomylus tritubercula*tus (Pic, 1926) **syn**. **nov**.; *Stomylus nigronitens* Gebien, 1920 = *Stomylus loebli* Ardoin, 1980 **syn**. **nov**.; *Stomylus schroederi* (Gebien, 1904) = *Stomylus schroederi* ssp. *bimaculatus* Ardoin, 1969 **syn**. **nov**. New combination: *Diaclina gracilis* (Fåhraeus, 1870) **comb**. **nov**. from *Stomylus*.

Key words.— Coleoptera, Tenebrionidae, Diaperinae, *Stomylus*, taxonomy, distribution, identification key.

ANNALES ZOOLOGICI (Warszawa), 2006, 56(3): 481-486

PSEUDOSELINUS ZAMBIAIENSIS, A NEW SPECIES FROM AFRICA (COLEOPTERA: TENEBRIONIDAE: PLATYNOTINA)

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Abstract.— *Pseudoselinus zambiaiensis* **sp. nov**, a new species from Africa is described, illustrated and compared with its relatives. Key to the species of *Pseudoselinus* and distribution are provided.

Key words.— Entomology, taxonomy, new species, Coleoptera, Tenebrionidae, Platynotina, *Pseudoselinus zambiaiensis*, Africa, Zambia.

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TWO NEW SPECIES OF *NYCTELIA* LATREILLE FROM WESTERN ARGENTINA, WITH ZOOGEOGRAPHICAL AND ECOLOGICAL REMARKS ON THE HIGH MOUNTAIN HABITAT (COLEOPTERA: TENEBRIONIDAE)

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Abstract.— Two new species of the genus *Nyctelia* Latreille (Pimeliinae: Nycteliini) from high mountains in central-western Argentina are described, *N. nevadoensis* **sp. nov.** and *N. setipennis* **sp. nov.** Distributional and habitat records and habitus photographs for these two new species are included, with comparisons to other known species of the genus. A discussion on the biogeography and the non sympatry with other species of *Nyctelia* of these two new species is presented. Lectotype is designated for *Nyctelia alutacea* Fairmaire, 1876.

Key words.— Coleoptera, Tenebrionidae, Nycteliini, *Nyctelia*, new species, distribution, biogeography.

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STYLOSOMUS ARNOLDI, A NEW NORTH-AFRICAN SPECIES OF THE SUBFAMILY CRYPTOCEPHALINAE (INSECTA: COLEOPTERA: CHRYSOMELIDAE)

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Abstract.— *Stylosomus arnoldi*, **sp**. **nov**. from Tunisia, is described and illustrated.

Key words.— Entomology, Coleoptera, *Stylosomus arnoldi*, Tunisia, new species.

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TAXONOMIC REVISION OF THE *SCHENCKI*-GROUP OF THE ANT GENUS *MYRMICA* LATREILLE (HYMENOPTERA: FORMICIDAE) FROM THE PALAEARCTIC REGION

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Abstract.— A taxonomic revision is made of the Palaearctic species of *Myrmica* belonging to the *schencki*-group. Three new species are described: *M. siciliana* (all castes) from Sicily, *M. onoyamai* (all castes) from Japan and *M. inucta* (workers only) from northwest Kazakhstan; also first descriptions are made of the sexual castes for two species: *M. caucasicola* (queen) and *M. koreana* (queens and males). Keys to the identification of both workers and males of all species, and maps of their distributions are provided. The distribution of the various species is discussed and it is suggested that the origins of extant Palaearctic *schencki*-group species is linked to the development of the Steppe Zone during the last 10 million years.

Key words.— Ants, Formicidae, taxonomy, *Myrmica*, *schencki*-group, new species, key.

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UNCOMFORTABLE PROTECTION: *FORMICA POLYCTENA* FÖRST. SHELTERS *FORMICA FUSCA* L. FROM *FORMICA SANGUINEA* LATR. (HYMENOPTERA: FORMICIDAE)

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Abstract.— The wood ant *Formica polyctena* Först. is a territorial species, a regular top dominant of ant communities in forests. Its colonies defend their whole foraging areas (territories) against other territorial ants, including *F. sanguinea* Latr., a common facultative slave-maker. The most frequent 'victim' of *F. sanguinea* is *F. fusca* L., a ubiquitous submissive ant species. On the basis of some earlier observations, the presumption was made that *F. polyctena*, when defending its own territories, would indirectly protect *F. fusca* colonies, which nest within these territories, from *F. sanguinea* raids. It was expected that *F. fusca* should be more abundant in *F. polyctena* territories, than in *F. sanguinea* territories, while other subordinate ants, which are not potential slaves of *F. sanguinea*, should not show such difference. This hypothesis was supported by the results of the baiting experiments carried out in the Białowieża Forest, NE Poland. The findings are discussed in the context of interspecific competition hierarchy in ants.

Key words.— Ants, Formicidae, *Formica polyctena*, *Formica fusca*, *Formica sanguinea*, *Polyergus rufescens*, territoriality, interspecific competition, competition hierarchy, foraging, slavery.

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A NEW MIDDLE JURASSIC STONEFLY FROM DAOHUGOU, INNER MONGOLIA, CHINA (INSECTA: PLECOPTERA)

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Abstract.— A new genus and species of Baleyopterygidae, *Aristoleuctra yehae* **gen**. and **sp**. **nov**. collected from the Middle Jurassic of Daohugou Village, Shantou Township, Ningcheng County, Inner Mongolia, China, is described and illustrated. This is the first report of Baleyopterygidae from China. With the establishment of *Aristoleuctra*, *Baissoleuctra conspecta* Sinitshenkova, 1992 from Late Jurassic – Early Cretaceous of East Siberia is transferred to this genus.

Key words.— Plecoptera, Baleyopterygidae, fossil insects, Middle Jurassic, Daohugou, Inner Mongolia, China.

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A NEW MIDDLE JURASSIC STONEFLY FROM DAOHUGOU, INNER MONGOLIA, CHINA (INSECTA: PLECOPTERA)

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Key words.— Plecoptera, Baleyopterygidae, fossil insects, Middle Jurassic, Daohugou, Inner Mongolia, China.

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NEW PLANTHOPPERS (INSECTA: HEMIPTERA: FULGOROMORPHA) FROM THE MIDDLE EOCENE MESSEL MAAR

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Abstract.— Three new genera of extinct Dictyopharidae, Lophopidae and Eurybrachyidae respectively are described. *Wedelphus* **gen**. **nov**. with *Wedelphus dichopteroides* **sp**. **nov**. placed in Dictyopharidae, *Baninus* **gen**. **nov**. with *Baninus thuringiorum* **sp**. **nov**. of the family Lophopidae and *Amalaberga* **gen**. **nov**. with *Amalaberga ostrogothiorum* **sp**. **nov**. placed in Eurybrachidae (first fossil record of the family) are described, all from deposits of the Grube Messel Lagerstätte in Germany. A representative of an unrecognised family, possibly related to *Henriksenopterix* Petrulevičius, 2005 is reported. The oil shales of the Messel maar in Hessen are well known for their extremely rich fossil flora and fauna. They are of Lower Middle Eocene age (about 48 million years) and contain a highly diverse insect fauna.

Key words.— Hemiptera, Fulgoromorpha, Dictyopharidae, Lophopidae, Eurybrachidae, Nogodinidae, Ricaniidae, *Wedelphus*, *Wedelphus dichopteroides*, *Baninus*, *Baninus thuringiorum*, *Amalaberga*, *Amalaberga ostrogothiorum*, new genera, new species, Palaeogene, Lower Middle Eocene, Messel maar, insect fossils.

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SALTICIDAE (ARACHNIDA: ARANEAE) FROM ORIENTAL, AUSTRALIAN AND PACIFIC REGIONS. XIX. GENUS *PELLENES* SIMON, 1876 IN AUSTRALIA

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Abstract.— The genus *Pellenes* is newly recorded from Australia. Its relationships are discussed and diagnostic drawings, redescription and distributional data for *Pellenes* bitaeniata (Keyserling, 1882), the only known Australian representative of the genus, are given.

Key words.— Salticidae, Australia, genus *Pellenes*.

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NOTES ON TAXONOMY AND BIOLOGY OF TWO *STENAELURILLUS* SPECIES FROM SOUTHERN AFRICA (ARANEAE: SALTICIDAE)

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Abstract.— A redescription of *Stenaelurillus guttiger* (Simon, 1901) with new distibution data is given, a lectotype for this species is designated. A new species, *S. natalensis*, preying on *Odontotermes badius* termites, is described, along with data on its natural history.

Key words.— Arachnology, Araneae, Salticidae, *Stenaelurillus*, new species, redescription, termitophagy, Afrotropical Region.