

# NEW AND POORLY KNOWN FOSSIL CONIOPTERYGIDAE IN CRETACEOUS AND CENOZOIC AMBERS (INSECTA: NEUROPTERA)

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**Abstract.** — The new genus and species *Alboconis cretacica* (oldest known Aleuropteryginae: Fontenelleini) and the coniopterygine new genus and species *Gallosemidalis eocenica*, are described, respectively from a late Albian and an early Eocene French amber. From Lebanese amber, the early Cretaceous Aleuropteryginae *Libanoconis fadiacra* (Whalley, 1980) is refigured and discussed.



**Key words.**— Neuroptera, Coniopterygidae, new genus, new species, early Cretaceous, early Eocene, amber, Lebanon, France.

DESCRIPTION D' UNE ESPÈCE NOUVELLE DU GENRE  
*PHYSOPHRYNUS* FAIRMAIRE, 1882 (COLEOPTERA:  
TENEBRIONIDAE : MOLURINI)

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**Abstract.** — A new species belonging to the genus *Physophrynus* Fairm. is described from Tanganyika Territory and compared with related species.



**Key words.**— Coleoptera, Tenebrionidae, Molurini, *Physophrynus*, Tanganyika Territory, taxonomy, new species.

# RÉVISION DU GENRE *OPATROIDES* BRULLÉ, 1832 (COLEOPTERA: TENEBRIONIDAE: OPATRINAE: OPATRINI)

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**Abstract.**— The species of the genus *Opatroides* designated Brullé, 1832 are studied and a key to all species is provided. Lectotypes are designed for *Penthicus curtulus* Fairmaire, 1892, *Penthicus frater* Fairmaire, 1896, *Penthicus vicinus* Fairmaire, 1896 and *Opatroides angulatus* Baudi, 1875. This taxon is considered to be a geographical subspecies from Syria and Iran of the nominal form, *O. vicinus*, described from India. *Opatroides punctulatus* Brullé, 1832 is confirmed to be a widely distributed species, consisting of three geographical subspecies: the nominal form *O. punctulatus* Brullé, described from Greece, occupying the coast of the Mediterranean Sea; the subspecies *subcylindricus* Ménétrière, 1849 occupying the Anatolian region, the Middle East, the Caucasus and the Central Asian region; the subspecies *lilligi* **ssp. nov.** in the Niger, Burkina Faso, Mauritania and Sudan. The status of *Opatroides hemistictus* Gebien, 1920 from Namibia and South Africa, as a species from belonging to the genus *Mesomorphus* Seidlitz, 1893, is confirmed. Figures of the habitus and aedeagus for all taxa are given for the first time.



**Key words.**— Coleoptera, Tenebrionidae, Opatrini, Opatrinae, *Opatroides*, revision, lectotypes.

**A NEW SPECIES OF *CLASTOPUS* FAIRMAIRE, 1898  
FROM MADAGASCAR, WITH NOTES ON THE KNOWN  
FIRST-STAGE LARVAE (COLEOPTERA: TENEBRIONIDAE:  
PEDININI: PLATYNOTINA)**

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**Abstract.**— Malagasy species, *Clastopus aberlenci* **sp. nov.** (female and the first-stage larva), of the melanocratoid Platynotina is described and illustrated. The diagnostic characters of the known first-stage larvae are presented. Key determination for all known species of the genus is provided.



**Key words.**— Coleoptera, Tenebrionidae, Pedinini, Platynotina, *Clastopus*, Madagascar, entomology, taxonomy, new species, larvae, ovoviviparity.

# DESCRIPTIONS OF THE DEVELOPMENTAL STAGES AND NOTES ON BIOLOGY OF *TIMARCHA RUGULOSA* *LOMNICKII* MILL. (COLEOPTERA: CHRYSOMELIDAE)

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**Abstract.**— Egg, larval instars I–III, prepupa and pupa of *Timarcha rugulosa lomnickii* Miller, 1867 are described and illustrated for the first time. Some details of the adult stages are also given. The life history of the species is presented. The larval instars differ from one another in terms of body size, body mass and in the intensity of colour of some structures as well as in the morphological structure of antennae, mouthparts (labrum, mandible) and microstructure of the head capsule surface. A characteristic feature of larval instar I is the presence of egg bursters. Pupal size and urogomphi are important sex-differentiating features. The adult stage shows variation mainly in respect of body size, the colour of cuticula reflection, the intensity and depth of microstructure on the head and pronotum surface. *T. rugulosa lomnickii* under the climatic conditions of Poland is a monovoltine species. The wintering stages are adult and egg. Oviposition occurs twice a year – in spring and autumn. Spring eggs develop without diapause, while autumn ones undergo diapause and larvae do not hatch before the spring of the following year.



**Key words.**— Morphology, biology, developmental stages, life cycle, egg, larva, prepupa, pupa, adult, Coleoptera, Chrysomelidae, Timarcha, *Timarcha rugulosa lomnickii*.

**STUDIES ON THE MORPHOLOGY OF IMMATURE STAGES  
OF THE TRIBE AGATHIDIINI (COLEOPTERA: LEIODIDAE).  
PART III. *ANISOTOMA HORNI* WHEELER, 1979**

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**Abstract.**— A detailed description and illustrations of the first and third larval instars of Nearctic *Anisotoma horni* Wheeler, 1979 are given: chaetotaxy, porotaxy and measurements of head, mouthparts, thorax, abdomen, leg and urogomphi.



**Key words.**—Entomology, morphology, larva, Coleoptera, Leiodidae, Agathidiini, *Anisotoma horni*, Neartcic Region.

# DESCRIPTION OF IMMATURE STAGES OF *LYMEXYLON* *NAVALE* (LINNAEUS, 1758) (COLEOPTERA: LYMEXYLIIDAE)

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**Abstract.**— Egg, first and second instar larvae of *Lymexylon navale* (Linnaeus, 1758) are described.



**Key words.**— Coleoptera, Lymexyliidae, *Lymexylon navale*, morphology, immature stages.

# SIX NEW SPECIES OF THE GENUS *AGROICONOTA* SPAETH, 1913 (COLEOPTERA: CHRYSOMELIDAE: CASSIDINAE), WITH A KEY TO THE GENUS

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**Abstract.** — *Agriconota atromaculata* (Peru), *A. atropunctata* (Bolivia), *A. carlobrivioi* (Bolivia, Brazil, Peru), *A. gibbipennis* (Brazil), *A. paraguayana* (Paraguay), and *A. sanarensis* (Venezuela), new to the science, are described. New records of several species, colour photos of all species, and a key to the genus *Agroiconota* Spaeth, 1913 are given.



**Key words.**— Entomology, taxonomy, new species, new records, Coleoptera, Chrysomelidae, Cassidinae, *Agroiconota*, Neotropical Region.



# WIEDEMANNIA JAKUBI, A NEW SPECIES OF AQUATIC EMPIDID (DIPTERA: EMPIDIDAE) FROM POLAND

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**Abstract.**— *Wiedemannia (Philolutra) jakubi* **sp. nov.**, a new aquatic dance fly (Diptera: Empididae: Clinocerinae) from Poland is described and figured.



**Key words.**— Diptera, Empididae, Clinocerinae, new species, Pieniny, Poland.

NOTES ON THE SPECIES OF THE GENUS *MEROMYZA*  
MEIGEN, 1830 FROM INNER MONGOLIA  
(DIPTERA: CHLOROPIDAE)

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**Abstract.**— A review of the species of the genus *Meromyza* Meigen, 1830 from Inner Mongolia is provided. The following 3 species are described as new to science: *Meromyza acutata*, *M. congruens* and *M. neimengensis*.



**Key words.**— Diptera, Chloropidae, *Meromyza*, new species, Inner Mongolia, China.

A REVIEW OF THE ANTS OF THE GENUS  
*LASIUS* FABRICIUS, 1804, SUBGENUS *DENDROLASIUS*  
RUZSKY, 1912 (HYMENOPTERA: FORMICIDAE)  
FROM EAST PALAEARCTIC

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**Abstract.**— The taxonomy of the ant subgenus *Dendrolasius* Ruzsky, 1912 is reviewed on the base of the investigation of types and of non-type material of several species. *L. fuji* is described as a new species, which includes former *L. fuliginosus* (Latreille, 1798) from the East Palaeartic. *L. nipponensis* Forel, 1912, proposed by Espadaler et al. 2001 as the replacement name for “oriental *fuliginosus*”, actually is a good species and the senior synonym of *L. crispus* Wilson, 1955; *L. orientalis* Karawajew, 1912 is revived from synonymy and is considered as the senior synonym of *L. teranishii* Wheeler, 1928; *L. capitatus* Kusnetzov-Ugamsky, 1928 is considered as a good species, different from *L. crispus*. A key to *Dendrolasius* workers and queens from the Eastern Palaeartic is also given.



**Key words.**— Ants, taxonomy, *Lasius*, *Dendrolasius*, new species, new synonyms, East Palaeartic.

# DESCRIPTION OF A NEW SPECIES OF THE GENUS *SPASSKIA* BELOKOBYSKIJ, 1989 (HYMENOPTERA: BRACONIDAE) FROM INDIA, WITH FIRST RECORD OF THE GENUS IN THE ORIENTAL REGION

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**Abstract.**— The genus *Spasskia* Belokobyskij, 1989 is reported for the first time from the Oriental Region. A new species *S. indica* **sp. nov.** is described and illustrated with line drawings and Scanning Electron Microscope photomicrographs. The species is recorded as parasitoid of *Chlorophorus strobilicola* Champion (Cerambycidae) infesting second and third year's cones of *Pinus roxburghii* Sargent. Key to all species of *Spasskia* is given.



**Key words.**— Hymenoptera, Braconidae, Helconinae, *Spasskia*, new species, Oriental Region, India, parasitoid, *Chlorophorus strobilicola*, Coleoptera, Cerambycidae, *Pinus roxburghii*.

# A NEW GENUS IN THE SUBFAMILY PHYCITINAE (LEPIDOPTERA: PYRALIDAE) FROM CHINA

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**Abstract.**— A new genus, *Furcata* is erected and *Furcata quadrangula* is described as a new species. Four known species, *Furcata dichromella* (Ragonot), *F. paradichromella* (Yamanaka), *F. pseudodichromella* (Yamanaka) and *F. karenkolla* (Shibuya) are positioned in the new genus with *F. dichromella* (Ragonot) as the type species. The first three are transferred from *Trachycera* Ragonot, the last from *Eurhodope* Hübner. Both male and female genitalia of these five species, except the female of the new species, are illustrated. The type of the new species and other specimens examined are deposited in the Institute of Zoology, Chinese Academy of Sciences, Beijing (abbreviated as IZCAS in the following text).



**Key words.**— Lepidoptera, Pyralidae, *Furcata*, new genus, new species, China.

# THE DISCOVERY OF THE GENUS *IRANTHA* STÅL, 1861 (HETEROPTERA: REDUVIIDAE: HARPACTORINAE) FROM CHINA, WITH THE DESCRIPTION OF A NEW SPECIES

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**Abstract.**— A new species, *Irantha nigrina*, is described in the subfamily Harpactorinae based on the specimen from China. The dorsal habitus, head, prothorax and other diagnostic morphological features are illustrated. The genus is reported for the first time to China. The reviewed diagnostic characters of the genus are presented.



**Key words.**— Taxonomy, China, new species, Reduviidae, *Irantha*.

REDESCRIPTION OF *GLOSSOPELTA TRIDENS*  
MAA ET LIN, 1956 (HETEROPTERA: REDUVIIDAE:  
PHYMATINAE)

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**Abstract.**— The morphological characters of *Glossopelta tridens* Maa et Lin, 1956 are redescribed. Illustrations of the adult, head, and other relevant structures are provided to help facilitate recognition of this sexually dimorphic and little-known species.



**Key words.**— *Glossopelta tridens*, Phymatinae, Reduviidae, redescription, China.

# FIRST RECORD OF THE GENUS *DURIOCORIS* MILLER, 1940 (HETEROPTERA: REDUVIIDAE: STENOPODAINAE) FROM CHINA, WITH THE DESCRIPTION OF A NEW SPECIES

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**Abstract.**— The species of the genus *Duriocoris* Miller, 1940 from China are reviewed. Two species are recognized, described or redescribed, illustrated. *Duriocoris geniculatus* is described as a new species. This genus and *Duriocoris serratus* Miller, 1940 are reported for the first time to China. A key to the three species of the genus is provided.



**Key words.**— Taxonomy, China, New species, Reduviidae, *Duriocoris*.