

THE TRIBE COSSYPHODINI (COLEOPTERA: TENEBRIONIDAE: PIMELIINAE) OF THE ARABIAN PENINSULA, WITH NOTES ON BIOLOGY AND ECOLOGY

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Abstract.— *Cossyphodes asiricus* sp. nov. is described from an isolated relict mountainous forest in the Asir Mts. in south-western Saudi Arabia. This myrmecophilous species was found in a debris chamber of a *Pheidole* ant nest. It differs from the Palaearctic and adjacent Ethiopian congeners mainly by the development and orientation of the pronotal and elytral keels. *Paramellon sociale* was collected on the eastern side of the Arabian Peninsula in the United Arab Emirates in a completely different, but not isolated, and distinctly drier habitat. Both species are photographed, the localities are mapped, and some notes on biology and ecology are given.



Key words.— Coleoptera, Tenebrionidae, Pimeliinae, Cossyphodini, *Cossyphodes*, *Paramellon*, Emirates, Saudi Arabia, Asir Mountains, new species, ants, myrmecophily.

ON THE SUBGENUS *LASIOCASSIS* GRESSITT (COLEOPTERA: CHRYSOMELIDAE: CASSIDINAE), WITH DESCRIPTION OF A NEW SPECIES FROM SOUTH KOREA

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Abstract.— The hitherto monotypic subgenus *Lasiocassis* Gressitt, 1952 of the genus *Cassida* Linnaeus, 1758 is redefined and reviewed. *Cassida vespertina* Boheman, 1862 is redescribed and a new species, *Cassida koreana*, is described from South Korea. The subgenus is distributed in the eastern part of Palaearctic Region south to Taiwan.



Key words.— Entomology, taxonomy, new species, redescription, Coleoptera, Chrysomelidae, Cassidinae, *Cassida*, eastern Palaearctis.

NEW AND LITTLE KNOWN SPECIES OF THE TRIBE QUASIMUSINI SCHIMMEL ET TARNAWSKI, 2009 (COLEOPTERA: ELATERIDAE) FROM PALAEARCTIC AND ORIENTAL REGIONS

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Abstract.— Eight new species of the tribe Quasimusini Schimmel et Tarnawski, 2009 from China, Indonesia, and Himalaya (Bhutan and Sikkim) are described and illustrated. New records on two known species from Laos are given. *Wittmeroquasimus irianjayensis* **sp. nov.** is the first of the genus *Wittmeroquasimus*, and *Striatoquasimus carinatissimus* **sp. nov.** is the second species of the genus *Striatoquasimus* recorded from Indonesia. Keys to the species of the genus *Wittmeroquasimus* from China and from Himalaya are provided. New species: *Quasimus wrasei* **sp. nov.**, *Striatoquasimus carinatissimus* **sp. nov.**, *Wittmeroquasimus fujianensis* **sp. nov.**, *W. holzschuhi* **sp. nov.**, *W. irianjayensis* **sp. nov.**, *W. shiniushanensis* **sp. nov.** and *W. sikkimensis* **sp. nov.**



Key words.— Entomology, taxonomy, Coleoptera, Elateridae, Quasimusini, new species, new records, key to species, Bhutan, China, Indonesia, Laos, Sikkim.

TAXONOMIC STUDY ON THE GENUS *PSELAPHODES* WESTWOOD (COLEOPTERA: STAPHYLINIDAE: PSELAPHINAE) FROM CHINA. PART II.

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Abstract.— This is the second paper of a series dealing with the Chinese fauna of the large genus *Pselaphodes* Westwood, 1870. Twelve new species and a new synonym are presented: *P. bomiensis* **sp. nov.** (Xizang); *P. biwenxuanii* **sp. nov.** (Xizang); *P. condylus* **sp. nov.** (Guizhou); *P. cuonaus* **sp. nov.** (Xizang); *P. fengtingae* **sp. nov.** (Zhejiang); *P. gongshanensis* **sp. nov.** (Yunnan); *P. hanmiensis* **sp. nov.** (Xizang); *P. jizushanus* **sp. nov.** (Yunnan); *P. meniscus* **sp. nov.** (Sichuan); *P. parvus* **sp. nov.** (Guizhou); *P. pectinatus* **sp. nov.** (Hainan); *P. wuyinus* Yin *et al.*, 2010 **syn. nov.** = *P. tianmuensis* Yin *et al.*, 2010; and *P. yanbini* **sp. nov.** (Guizhou). New distributional data and discussion on intraspecific variations of *P. tianmuensis* and *P. aculeus* are provided. An updated key is given to assist in distinguishing all so far known Chinese species of *Pselaphodes*. A checklist of world species of *Pselaphodes* is also provided.



Key words.— Tyrini, *Pselaphodes*, China, new species, intraspecific variation, key, checklist

REVIEW OF THE ORIENTAL SPECIES OF THE GENUS *HISTER* LINNAEUS, 1758 (COLEOPTERA: HISTERIDAE)

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Abstract.— The taxonomical and systematic status of the Oriental species of *Hister* was analyzed. *Hister bitumineus* is newly described herein. The following new synonyms have been established: *H. apicelaevius* Desbordes, 1919 = *H. metallicus*: Lewis, 1885, **syn. nov.**, *H. encaustus* Marseul, 1854 = *H. duplicatus* Marseul, 1854, **syn. nov.**, *H. inexpectatus* Desbordes, 1923 = *H. aheneus* Cooman, 1938, **syn. nov.**, *H. japonicus* Marseul, 1854 = *H. fessus* Marseul, 1862, **syn. nov.**, *H. pransus* Lewis, 1892 = *H. pauli* Desbordes, 1916., **syn. nov.**, *H. pteromalus* Marseul, 1862 = *H. divisifrons* Schmidt, 1895, **syn. nov.** = *H. brahminius* Lewis, 1900, **syn. nov.** and *H. tibetanus* Marseul, 1857 = *H. sohieri* Marseul, 1870, **syn. nov.** = *H. dauphini* Lewis, 1905, **syn. nov.** Lectotypes for some species are designated. All the species are keyed and a general distribution is given for each of them. *H. congener* Schmidt, 1885 is new to the Oriental (Bhutan) and *H. pullatus* Erichson, 1834 to the Ethiopian (Ivory Coast) Region.



Key words.— Coleoptera, Histeridae, Oriental Region, *Hister*-species, new species, new synonyms, new records.

TWO NEW SPECIES OF *XORIDES* LATREILLE FROM CRETE WITH A CHECKLIST OF GREEK XORIDINAE SHUCKARD (HYMENOPTERA: ICHNEUMONIDAE)

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Abstract.— *Xorides* (*Moerophora*) *dorotae* Hilszczański **sp. nov.** and *X. (Xorides) minos* Hilszczański **sp. nov.** from Crete are newly described and figured. Species of Xoridinae (Hymenoptera: Ichneumonidae) from Greece are listed. Only *X. corcyrensis* (Kriechbaumer) and *Odontocolon appendiculatum* (Gravenhorst) had been known so far from the country. *Odontocolon quercinum* Thomson, *X. berlandi* Clément, *X. propinquus* (Tschek), *X. praecatorius* (F.) and *X. gravenhorstii* Curtis are new for the Greek fauna. *Aegomorphus krueperi* Kraatz (Coleoptera: Cerambycidae) is recorded as a host for *X. propinquus*.



Key words.— Entomology, taxonomy, parasitoids, *Odontocolon*, *Xorides*, host, Cerambycidae.

POLLENIVORY IN ANTS (HYMENOPTERA: FORMICIDAE) SEEMS TO BE MUCH MORE COMMON THAN IT WAS THOUGHT

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Abstract.— So far, besides some specialised Neotropical ant species of the genus *Cephalotes* Latr., the Palaearctic *Myrmica schencki* Viereck, *M. rubra* (L.) and *Tetramorium* cf. *caespitum* (L.) were known to be, at least facultative, pollen-eaters. The present paper reports on nine other common Palaearctic ant species occasionally feeding on pine pollen: *Myrmica ruginodis* Nyl., *F. pratensis* Retz., *F. cinerea* Mayr, *F. clara* For., *F. sanguinea* Latr., *F. exsecta* Nyl., *Lasius niger* (L.), *L. platythorax* Seifert, and *L. fuliginosus* (Latr.) and re-confirms pollenivory of *M. schencki*. Pollenivory of all these species was revealed based on the presence of pollen grains in the alimentary canal of the dissected workers. The possible role of pollen in the diet of ants as a generally omnivorous insect group is discussed.



Key words.— ants, food, foraging, pollen-eating, rubbish dumps.

FIVE NEW SPECIES AND THREE NEW RECORDS OF *MEGASELLIA* RONDANI (DIPTERA: PHORIDAE) FROM PISZ FOREST (POLAND)

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Abstract.— Five new species found in Pisz Forest (the Polish Lowland) are described: *Megaselia basiturgida*, *M. depililobulus*, *M. nigricia*, *M. pallidivanus* and *M. trochimeczuki*. *M. barbulata* (Wood), *M. basseti* Disney and *M. specularis* Schmitz are recorded from Poland (Pisz Forest) for the first time.



Key words.— Phoridae, Polish Lowland, *Megaselia*, new species, new records.

LEPTUS PHALANGII (DE GEER, 1778) (ACARI: ACTINOTRICHIDA: PROSTIGMATA) – REDESCRIPTION, ECOLOGY AND TAXONOMIC NOTES ON ITS RELATIVES

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Abstract.— A redescription of *Leptus phalangii* (De Geer, 1778) (= *L. nemorum* (C. L. Koch, 1836), **syn. nov.**, = *L. beroni* Fain, 1991, **syn. nov.**) based on adults, deutonymphs and larvae, is supplemented with data on life cycle and ecology of the species. Larvae of *L. phalangii* developed, under laboratory conditions, into deutonymphs of *L. nemorum*, species hitherto known only from active postlarval forms. A field-collected female of *L. phalangii* is designated as the neotype.



Key words.— Parasitengona, taxonomy, *Leptus*, postlarval forms, larvae, new synonyms.

**A NEW SPECIES OF THE GENUS *SPATULAPHORUS*
(ACARI: HETEROSTIGMATINA: PYGMEPHORIDAE)
PHORETIC ON *GEOTRUPES SPINIGER* (COLEOPTERA:
GEOTRUPIDAE) FROM IRAN**

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Abstract.— The mite *Spatulaphorus gorganica* Rahiminejad et Hajiqanbar **sp. nov.** (Acari: Heterostigmatina: Pygmephoridae) collected under elytra of the host beetle, *Geotrupes spiniger* (Marsham, 1802) (Col.: Geotrupidae) is described and illustrated from Oak forests of Golestan province, North of Iran. Moreover, host range of the genus is reviewed and a key to world species of the genus *Spatulaphorus* is provided.



Key words.— Mite, beetle, phoretic, Scarabaeoidea, host range, Iran.

JUMPING SPIDERS (ARANEAE: SALTICIDAE) FROM SOUTHERN NIGERIA

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Abstract.— Seventy three species of jumping spiders are listed from Nigeria in this paper. Among these, the following 26 species are described as new to science: *Aelurillus jocquei* sp. nov. (♂ ♀), *Ajaraneola mastigophora* sp. nov. (♂ ♀), *Brancus occidentalis* sp. nov. (♂), *Evarcha grandis* sp. nov. (♀), *Evarcha idanrensis* sp. nov. (♀), *Habrocestum personatum* sp. nov. (♀), *Hyllus remotus* sp. nov. (♀), *Icius olocomei* sp. nov. (♀), *Langelurillus quadrimaculatus* sp. nov. (♂ ♀), *Menemerus nigeriensis* sp. nov. (♂), *Neaetha maxima* sp. nov. (♀), *Pachyballus oyo* sp. nov. (♂ ♀), *Schenkelia ibadanensis* sp. nov. (♂), *Stenaelurillus glaber* sp. nov. (♂), *Stenaelurillus iubatus* sp. nov. (♂ ♀), *Stenaelurillus pilosus* sp. nov. (♂ ♀), *Stenaelurillus striolatus* sp. nov. (♂), *Thiratoscirtus alveolus* sp. nov. (♀), *Thiratoscirtus bipaniculus* sp. nov. (♀), *Thiratoscirtus gambari* sp. nov. (♂ ♀), *Thiratoscirtus harpago* sp. nov. (♂), *Thiratoscirtus mirabilis* sp. nov. (♂ ♀), *Thiratoscirtus monstrum* sp. nov. (♀), *Thiratoscirtus obudu* sp. nov. (♂), *Thiratoscirtus vilis* sp. nov. (♀) and *Thiratoscirtus yorubanus* sp. nov. (♂). A new species of *Baryphas* is described but not formally named here. One new genus, *Ajaraneola* gen. nov. is described and diagnosed. The female sex of *Evarcha bakorensis*, *Heliophanus robustus*, *Phlegra gagnoa* and *Thyene hesperia* is described for the first time. *Brancus bevisi* Lessert, 1925 is proposed as a junior synonym of *Brancus muticus* Simon, 1902. Two new combinations are proposed, *Viciria besanconi* Berland & Millot, 1941 and *Viciria fuscimana* Simon, 1903 are transferred to the genus *Brancus*. *Baryphas albicinctus* Berland & Millot, 1941 is removed from synonymy with *B. jullieni* Simon, 1902. *Mithion hesperius* Simon, 1910 is removed from synonymy with *Modunda aperta* Peckham et Peckham, 1903 and transferred to the genus *Thyene*. The composition of the salticid fauna of this region of West Africa is discussed and compared to that of other regions of Africa.



Key words.— Taxonomy, new species, synonyms, Afrotropical Region, salticid diversity