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***Osellaeus bonvouloiri occidentalis* ssp. nov. from the Vercors (France) – an alpine element at its distributional limits (Coleoptera, Apionidae)**

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***Osellaeus bonvouloiri occidentalis* ssp. nov. from the Vercors (France) – an alpine element at its distributional limits (Coleoptera, Apionidae).** - *Osellaeus bonvouloiri occidentalis* ssp. nov. was discovered in the Vercors, France. This remarkable finding on low altitude represents the most western site within the known distribution area of the nominal species.

**Keywords:** Coleoptera - Apionidae - *Osellaeus* - taxonomy - endemism - alpine species - subspecies - isolation - Western Alps.

***Alaocyba ientilei* n. sp. (Coleoptera: Curculionoidea, Raymondionymidae) dell'Isola di Marettimo (Isole Egadi, Sicilia)**

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***Alaocyba ientilei* n. sp. (Coleoptera: Curculionoidea, Raymondionymidae) from Marettimo Island (Egadi Archipelago, Sicily)** - *Alaocyba ientilei* n. sp. (Coleoptera Raymondionimidae) of Marettimo island (Egadi Archipelago, Sicily), is described. The new taxon belongs to the group «*Alaocyba carinulata* Perris, 1869» (sensu Osella, 1977) and is closely related to *A. separanda* Doderò, 1916 (Pantelleria) and *A. lampedusae* Doderò, 1916 (Lampedusa). It is distinguishable by the aedeagal and pronotal shape and by the elytral and pronotal punctuation. Short remarks on taxonomy, biogeography and ecology of the new species are also given.

**Keywords:** *Alaocyba* - New species - Taxonomy - Sicily.

**An annotated list of type specimens of Orthoptera (Insecta) described by Ferdinand Karsch and deposited in the collections of the Muséum d'histoire naturelle de la Ville de Genève**

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**An annotated list of type specimens of Orthoptera (Insecta) described by Ferdinand Karsch and deposited in the collections of the Muséum d'histoire naturelle de la Ville de Genève.** - Probable type specimens of twenty two species of Orthoptera described by Karsch have been identified in the collection of the Museum. The names are listed alphabetically together with the number, sex and label data of the specimens, their location in the collection, and the current nomenclatural combination.

**Keywords:** Orthoptera - type material - Karsch.

**An annotated catalogue of the primary type specimens of the Orthoptera (Insecta) species described by Johann Carl and Adolf Fritze.**

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**An annotated catalogue of the primary type specimens of the Orthoptera (Insecta) species described by Johann Carl and Adolf Fritze.** - Name-bearing types of seventy three species-group names of Orthoptera described by Carl and Fritze are deposited in the Muséum d'histoire naturelle de Genève. The names are listed alphabetically, and the sex, label data and condition of the specimens is given, along with their location within the collections, and the current nomenclatural combination.

**Keywords:** Orthoptera - type material - Carl - Fritze - Geneva - Catalogue.

***Amphiesmoides ornaticeps* (Werner, 1924), an addition to the snake fauna of Vietnam, with a redescription and comments on the genus *Amphiesmoides* Malnate, 1961 (Squamata: Natricidae)**

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***Amphiesmoides ornaticeps* (Werner, 1924), an addition to the snake fauna of Vietnam, with a redescription and comments on the genus *Amphiesmoides* Malnate, 1961 (Squamata: Natricidae).** - Natricine specimens recently collected in northern Vietnam are referable to *Amphiesmoides ornaticeps*, a barely known species previously recorded only from southeastern China. Besides the first country record for Vietnam, we provide records of the species from the provinces of Bac Giang, Hoa Binh, and Nghe An. Morphological characters of Vietnamese specimens agree well with those of China. The status of the genus *Amphiesmoides* is discussed on the basis of morphological analyses. Preliminary results show that *Amphiesmoides ornaticeps* is morphologically distinct from the genus *Amphiesma* Duméril, Bibron & Duméril, 1854.

**Keywords:** Indochinese Region - Vietnam - Serpentes - Natricidae - *Amphiesmoides* - *Amphiesma*.

### **Expected species richness in the genus *Psechrus* in Laos (Araneae: Psechridae)**

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**Expected species richness in the genus *Psechrus* in Laos (Araneae: Psechridae).** - Three new *Psechrus* species are described from Laos, *P. steineri* sp. n., *P. antraeus* sp. n. and *P. ancoralis* sp. n. New records for *P. luangprabang* Jäger, 2007 are listed. Relationships of the three new species to other *Psechrus* species are discussed. Species with similar copulatory organs (*P. singaporensis* Thorell, 1894, *P. rani* Wang & Yin, 2001) are illustrated for comparison. *P. rani* is recorded for the first time from Vietnam.

**Keywords:** New species - taxonomy - new record - limestone caves - Vietnam.

**A new *Gordionus* MÜLLER, 1927 from Switzerland (Nematomorpha, Gordiida)**

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**A new *Gordionus* MÜLLER, 1927 from Switzerland (Nematomorpha, Gordiida).** - To date only three species of freshwater Nematomorpha (Gordiida) are known from Switzerland. We report here the finding of two further species, the common species *Gordionus violaceus* (BAIRD, 1853) and a new species, *G. bageli* sp. n., in Switzerland. A diagnostic character for this species is the ring-shaped form of the adhesive warts, structures that are found on the ventral side of males, anterior to the cloacal opening.

**Keywords:** Nematomorpha - Gordiida - new species - Switzerland - *Gordionus*.

**Taxonomical Notes on *Neotrichoporoides bulgaricus* Graham, 1987 (Hymenoptera, Eulophidae)**

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**Taxonomical notes on *Neotrichoporoides bulgaricus* Graham, 1987 (Hymenoptera, Eulophidae).** - The male of *Neotrichoporoides bulgaricus* is described from two males collected in the type area. A diagnosis and a redescription of female holotype of the poorly known species are given.

**Keywords:** Hymenoptera - Eulophidae - Tetrastichinae - *Neotrichoporoides bulgaricus* - description.

### **Three new European species of the *Rhamphomyia* (s. str.) *melania* group (Diptera: Empididae)**

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**Three new European species of the *Rhamphomyia* (s. str.) *melania* group (Diptera: Empididae).** - *Rhamphomyia* (s. str.) *danielssoni* sp. n. (Greece), *Rhamphomyia* (s. str.) *moceki* sp. n. (Albania), and *Rhamphomyia* (s. str.) *siffointei* sp. n. (France), are described and illustrated. *Rhamphomyia* (s. str.) *pseudocrinita* Strobl, 1909 is redescribed. Males of the group are keyed.

**Keywords:** *Rhamphomyia* (s. str.) - new species - Europe - taxonomy - key.

### **Two new *Harpactea* species from Bulgaria (Araneae: Dysderidae)**

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**Two new *Harpactea* species from Bulgaria (Araneae: Dysderidae).** - Two new species of the genus *Harpactea*, *H. mentor* sp. n. (male and female) and *H. bulgarica* sp. n. (male and female) from Bulgaria are described and illustrated. Both species are very closely related to each other on the basis of morphological characters and belong to the *lepida* species group. Their distribution and habitat preferences are also discussed.

**Keywords:** Taxonomy - spiders - Araneae - Dysderidae - *Harpactea mentor* sp. n. - *Harpactea bulgarica* sp. n.

### **Circadian activity patterns and nocturnal resting sites of Eurasian badgers (*Meles meles* L.) in a rural area of western Switzerland**

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**Circadian activity patterns and nocturnal resting sites of Eurasian badgers (*Meles meles* L.) in a rural area of western Switzerland.** - A preliminary investigation of badger (*Meles meles* L.) activity patterns and nocturnal resting sites was conducted in a rural area of western Switzerland. Data were collected by radio-tracking one male and seven females for short periods, between spring and autumn, over the years 1999-2002. Badgers were active (essentially on surface) in 80.9% of nocturnal radio-locations, whereas diurnal activity (mainly underground) was recorded in 41.1% of fixes. Badgers started overground activity on

average ( $\bar{I}$  SD) 1.00  $\bar{I}$  0.75 h after sunset and ceased 1.50  $\bar{I}$  1.75 h before sunrise. The duration of activity periods varied between 2.50 and 9.75 h and was not correlated with night length. Nocturnal resting occurred in 63% of nights, with a mean resting bout duration of 0.50  $\bar{I}$  0.25 h. Badgers generally rested in the feeding patch they had been using, only joining a burrow in 3.2% of cases. Our results suggest that, in rural areas, the choice of nocturnal resting sites is largely influenced by foraging activity.

**Keywords:** Eurasian badger - *Meles meles* - activity rhythm - nocturnal resting sites - time budget - sett - agricultural area - western Switzerland.

### **The spitting spider family Scytodidae in Thailand, with descriptions of three new *Dictis* species (Araneae)**

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**The spitting spider family Scytodidae in Thailand, with descriptions of three new *Dictis* species (Araneae).** - Nine spider species belonging to the genus *Dictis* L. Koch and presumably to the genus *Scytodes* Latreille were collected from forests of Thailand. Three of them are new (*Dictis elongata* sp. n., *D. denticulata* sp. n., and *D. thailandica* sp. n.), two are known species for which morphological variation and extended geographic ranges are recorded (*Scytodes fusca* and *S. mawphlongensis*), and a further four species known only from one sex are illustrated and provisionally described using open nomenclature (three *Dictis* and one *Scytodes* species).

**Keywords:** Southeast Asia - zoogeography - biodiversity - new record.

### **Two new species of genus *Leistus* Frölich, 1799 from Turkey (Coleoptera: Carabidae: Nebriini)**

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**Two new species of genus *Leistus* Frölich, 1799 from Turkey (Coleoptera: Carabidae: Nebriini).** - Two new species of genus *Leistus* Frölich, 1799, belonging to subgenus *Leistus* are described and illustrated: *L. schuelkei* sp. n. and *L. trabzonicus* sp. n. (type locality: Turkey, Trabzon, ca 40 km S Of, S Uzungöl, 2050 m altitude). They are compared with similar species of subgenus *Leistus* known from Turkey. A check-list for all members of subgenus *Leistus* from Turkey is provided, comprising data on distribution, type locality and deposition of the holotype or lectotype.

**Keywords:** Taxonomy - new species - Nebriini - Palaearctic region - Turkey.

## **Plagiorhynchidae (Acanthocephala) including the description of a new species from birds from the Republic of the Côte d'Ivoire, Africa**

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**Plagiorhynchidae (Acanthocephala) including the description of a new species from birds from the Côte d'Ivoire, Africa.** - Plagiorhynchidae including *Porrorchis centropi* (Porta, 1910), from *Centropus senegalensis* and *C. leucogaster*, a putative *Lueheia* species from *Halcyon malimbica* and *Bubulcus ibis* are reported from the Republic of Côte d'Ivoire for the first time. *Plagiorhynchus (Prosthorhynchus) cossyphicola* sp. n. from *Cossypha* spp. is distinguished from congenics by a combination of the size of the proboscis and its armature.

**Keywords:** Parasite - Acanthocephala - *Plagiorhynchus* - *Porrorchis* - *Lueheia* - Africa - Côte d'Ivoire - *Centropus* - *Cossypha* - *Halcyon* - *Bubulcus*.

## **The genera *Haplotmarus* Simon, 1909 and *Indoxysticus* gen. nov.: two enigmatic genera of crab spiders from the Oriental region (Araneae: Thomisidae)**

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**The genera *Haplotmarus* Simon, 1909 and *Indoxysticus* gen. nov., two enigmatic genera of crab spiders from the Oriental region (Araneae: Thomisidae).** - The genus *Haplotmarus* Simon, 1909 has never been studied since its original description 100 years ago. In this paper, the type species *H. plumatilis* Simon, 1909 is redescribed and a provisional diagnosis for the genus is provided. A new genus, *Indoxysticus* gen. nov., type species *Xysticus minutus* Tikader, 1960, is proposed and diagnosed. *Haplotmarus* is distinguished by the following characters: prosoma and opisthosoma with numerous long setae, opisthosoma with dark patches in two parallel rows, epigynum with a copulatory chamber and a duct leading to multi-chambered spermathecae. *Indoxysticus minutus* females can be identified by their distinct oval spermathecae with well-defined chambers, males by their very distinct palp with a broad-based embolus.

**Keywords:** Systematics - taxonomy - biodiversity - India - Sri Lanka - Vietnam.

**Description of *Microtyphlus (Speleotyphlus) infernalis* n. sp. from Valencia (eastern Iberian Peninsula), and review of the present state of knowledge of this hypogean subgenus (Coleoptera: Carabidae: Anillini)**

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**Description of *Microtyphlus (Speleotyphlus) infernalis* n. sp. from Valencia (eastern Iberian Peninsula), and review of the present state of knowledge of this hypogean subgenus (Coleoptera: Carabidae: Anillini).** - A new species of cave-dwelling Anillini carabid *Microtyphlus (Speleotyphlus) infernalis* n. sp. found in a single cave ('Cova Soterranya', in Serra Calderona's Natural Park, a protected area belonging to the Valencian Autonomous Community) is described. In this cave, the populations are located in the aphotic zone, being subject to rather buffered variations of the abiotic factors and living in a biocoenosis with opportunistic elements and a low number of troglodytic forms, thus possessing a greater degree of biodiversity than the deeper zone of the cave.

*M. infernalis* n. sp. is the most southern species of the subgenus *Speleotyphlus*. A total of six species belong to this subgenus. Three of them (*M. (S.) comasi*, *M. (S.) fadriquei*, and *M. (S.) virgillii*) are poorly known; the existing descriptions provide insufficient details and are largely inaccurate. Although its slenderness makes it look like *M. (S.) auroxi*, some features in the aedeagus of the new species show similarities with the most troglobiomorphic species of the tribe Anillini in the Iberian Peninsula, *Aphaenotyphlus alegrei*. A comparison of the main morphological characteristics of the species belonging to the *Speleotyphlus* subgenus reveals the need for a thorough revision of the whole group, which could be paraphyletic.

**Keywords:** Coleoptera - Anillini - taxonomy - new species - cave fauna - troglobiormorphism.