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***Microphorella cassari* sp. n., a new species of *Microphorella* Becker (Diptera: Dolichopodidae) from Tunisia**

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***Microphorella cassari* sp. nov., a new species of *Microphorella* Becker (Diptera: Dolichopodidae) from Tunisia.** - A new species of *Microphorella* Becker, *Microphorella cassari* sp. n., is described from Tunisia. The strikingly long, strap-like, lanceolate antennal stylus and the long, spine-like setae on the mid-portion of the costal vein of the male are unique amongst previously described species of *Microphorella*. Likewise, the completely divided sternite 10 of the female has not hitherto been recorded in other species of this genus.

**Keywords:** Diptera - Dolichopodidae - Parathalassiinae - new species - Mediterranean.

**Redescription of *Rhacophorus chuyangsinensis* Orlov, Nguyen & Ho, 2008 (Anura: Rhacophoridae) based on new collections from new south Vietnamese provincial records: Lam Dong and Khanh Hoa**

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**Redescription of *Rhacophorus chuyangsinensis* Orlov, Nguyen & Ho, 2008 (Anura: Rhacophoridae) based on new collections from new south Vietnamese provincial records: Lam Dong and Khanh Hoa.** - *Rhacophorus chuyangsinensis* Orlov, Nguyen, & Ho, 2008, which was described based on a type series consisting of three adult males only, is redescribed based on extensive new collections from southern Vietnam. Our new records consist of 17 individuals, among them the first two females to become known. In our extended description we deal for the first time with adult female morphology and with so far unknown colour pattern in life. Our new records of *R. chuyangsinensis* for Lam Dong and Khanh Hoa provinces expand the originally known distribution of this species about 81 km to the Southeast of its type locality (Chu Yang Sin National Park, Dak Lak Province, southern Vietnam, 1,600 m a.s.l.). We further add additional information on the natural history of *R. chuyangsinensis*, which inhabits rocky forest streams at altitudes between 1,320–1,600 m a.s.l.

**Keywords:** Anura: Rhacophoridae: *Rhacophorus chuyangsinensis* - morphology, taxonomy, new distribution data, natural history - Vietnam: Lang Bian Plateau.

## **The Psocoptera (Insecta: Psocodea) of St Helena and Ascension Island (South Atlantic) with a new record from South Africa**

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**The Psocoptera (Insecta: Psocodea) of St Helena and Ascension Island (South Atlantic) with a new record from South Africa.** - Four new species are described: *Cerobasis atlantica* Lienhard sp. n. (Trogiiidae) from St Helena, *Sphaeropsocopsis insularum* Lienhard sp. n. (Sphaeropsocidae) from St Helena and Ascension Island, *Indiopsocus mendeli* Lienhard sp. n. (Psocidae) from Ascension Island and *Blaste helenae* Lienhard sp. n. (Psocidae) from St Helena. The latter is closely related to the St Helena endemic *Blaste basilewskyi* Badonnel; this could be an example of sympatric speciation. *Helentropos abrupta* Lienhard, formerly supposed to be a St Helena endemic, is for the first time recorded from South Africa and its male is described; it may have been introduced to St Helena. The recently published doubtful record of the Mexican species *Cerobasis maya* García Aldrete from Ascension Island is confirmed. The male of the blind cave-dwelling St Helena endemic *Sphaeropsocopsis myrtleae* Lienhard & Ashmole is described for the first time; its genital morphology indicates a close relationship to the African *Sphaeropsocopsis reisi* Badonnel. Several other species are recorded for the first time from one or both of these islands. The number of species recorded from St Helena is raised to 23 (6 endemics), that from Ascension Island to 13 (2 endemics). A checklist of the 27 psocid species recorded from these islands is presented and a brief biogeographical analysis is provided.

**Keywords:** Trogiiidae - Sphaeropsocidae - Psocidae - new species - new records - cave fauna - blind psocid - island endemics - island biogeography.

## **Redescription of the genus *Marcenendius* Navás (Psocodea: 'Psocoptera': Amphientomidae) with a key to western Palaearctic amphientomids**

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**Redescription of the genus *Marcenendius* Navás (Psocodea: 'Psocoptera': Amphientomidae) with a key to western Palaearctic amphientomids.** - Based on recently collected specimens from continental Spain and Mallorca island the type species of the genus *Marcenendius* Navás, 1913, *M. nostras* Navás, 1913, is redescribed and tentatively synonymized with the second known species of this genus, *M. illustris* Navás, 1923. All these taxa were considered as enigmatic since their original description, almost one hundred years ago. *Marcenendius* is redefined to contain also the Macaronesian species *M. fortunatus* (Navás, 1917) comb. nov. and the African species *M. angolensis* (Badonnel, 1955) comb. nov., both formerly assigned to *Nephax* Pearman, 1935. The diagnosis of the latter genus is revised and for the species *N. nepalensis* (New, 1973) the original combination *Seopsis nepalensis* New comb. rev. is reinstated. An identification key to the four amphientomid species known from the western Palaearctic is presented: *Nephax sofadanus* Pearman, 1935, *N. postalatus* Lienhard, 2009, *Marcenendius nostras*, *M. fortunatus*. Nymphs of the latter two species are characterized by the presence of characteristically curled "corkscrew" hairs on dorsal side of thorax and abdomen, a kind of setae previously unknown in Psocoptera, which are probably responsible for nymphal camouflage due to adherent dust particles.

**Keywords:** *Nephax* Pearman - Spain - Mallorca - Macaronesia - nymphal camouflage - cave fauna - soil fauna.

## **An annotated list of the parasitic nematodes (Nematoda) of freshwater fishes from Paraguay deposited in the Museum of Natural History of Geneva**

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**An annotated list of the parasitic nematodes (Nematoda) of freshwater fishes from Paraguay deposited in the Museum of Natural History of Geneva.** - The list comprises the evaluation of the material deposited in the Museum d'Histoire naturelle, Geneva, whose taxonomic examination revealed the presence of 78 taxa of parasitic nematodes of freshwater fishes from Paraguay. Out of these, 43 were specifically identified, while 35 larval or subadult forms were only determined at the generic or familial level because of their developmental status. A total of 150 new hosts and 44 geographical records were reported in this survey, thus increasing the number of known nematodes infecting fishes in Paraguay from 28 to 87. *Rondonia rondoni* and *Procamallanus (Spirocamallanus) inopinatus* were the most frequent nematodes both in number of localities and hosts. Camallanidae was the best represented nematode family with 10 species, followed by Anisakidae (9), Pharyngodonidae (7) and Cucullanidae (5). The nematode fauna of Paraguayan fishes is quite similar to that of fishes from Brazil and Argentina.

**Keywords:** Nematoda - Paraguay - Freshwater - Fishes.

## **Food habits of escaped Eurasian otters (*Lutra lutra*) in a suburban environment in Switzerland**

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**Food habits of escaped Eurasian otters (*Lutra lutra*) in a suburban environment in Switzerland.** - In 2005, a male and a female otters escaped from the zoo of Bern, and settled in the nearby River Aar. The number of otters present in the area increased to 5 individuals after the adult pair reproduced. A monitoring was launched in 2007 in order to examine how these otters live in this suburban environment. Food habits notably were investigated. Fish constituted the staple prey (91.5%) with salmonids being the most frequently eaten prey category (43.1%). Seasonal dietary variation occurred but was not marked. The results and the perspective of a long-term survival of otters are discussed with regards to the overall decrease in fish numbers recorded in the Swiss waters.

**Keywords:** Eurasian otter - *Lutra lutra* - diet - Switzerland.

## **Claude Besuchet, an eminent swiss coleopterists, 80 years old**

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### **INTRODUCTION**

As a schoolboy I was, as many others, interested in beetles, I collected large and attractive beetles such as Cerambycidae, Buprestidae, Carabidae etc... but this was only for a relatively short period and when I entered grammar school I started to be interested in many other things. It was almost 20 years later, when, as a student of the University of Pierre and Marie Curie in Paris, I visited the Museum of Natural History in Paris and especially the book shop of this institution. I was browsing shelves full of very nice books on the nature, birds, mammals when I came to the insect section and I found the book which immediately fascinated me and attracted my full attention: Faune de France, Pselaphidae by René Jeannel. I was enchanted by a beauty of this small beetles. I immediately, although it was at that time horribly expensive for me, bought it and decided that this will be my hobby and I will start to study the taxonomy of Pselaphidae. Later I added to my sphere of interest Scydmaenidae and myrmecophilous beetles of other families but that is another story. Since my early beginning it was just only short period of time until I made contact with all actively working Pselaphidologists and started to search for reprints of their papers. Thus in 1994 I wrote to Claude Besuchet hoping he would send some reprints to me, a totally unknown beginner from small east European country. After two weeks I received a large package from Geneva. I opened it and it contained almost all Claude Besuchet's

papers together with nice encouraging letter. “Soyez les bienvenus parmi les entomologistes étudiants les Psélaphides et Scydmaenides” (“Welcome between entomologists studying Pselaphinae and Scydmaenidae”) these were the first words of the letter and since then Mr. Besuchet and I have met many times, and for me it is always an event to discuss on Pselaphines with him and to draw from his never ending knowledge of this tiny but very beautiful beetles. So, Mr. Besuchet, thanks for the invitation and the opportunity for me to remind to all entomologists a little about your 80 years of life of which 63 were very much devoted mainly to your studies of Pselaphines.

### **New species in the *Zelotes tenuis*-group and new or little known species in other *Zelotes* groups (Gnaphosidae, Araneae)**

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**New species in the *Zelotes tenuis*-group and new or little known species in other *Zelotes* groups (Gnaphosidae, Araneae).** - Notes are given on mating mechanisms of *Z. tenuis* and *Z. semirufus* in the *Z. tenuis*-group. Eight species are recognized in the *Z. tenuis*-group. The following synonyms and new combinations are proposed: *Trachyzelotes manytchensis* Ponomarev & Tsvetkov = *Zelotes manytchensis*, *Z. ruscinensis* Simon = *Z. semirufus* (L. Koch), *Z. fuscotestaceus* (Simon) = *Z. tenuis* (L. Koch), *Z. denisi* Marinaro = *Z. criniger* Denis and *Z. sumchi* Levy = *Z. metellus* Roewer. *Z. babunaensis* (Drenski) is revalidated. First description are given of the male of *Z. babunaensis*, the male of *Z. metellus*, the female of *Z. flagellans* (L. Koch), and of the following eight species: *Z. alpujarraensis* sp. n., *Z. baeticus* sp. n., *Z. chaniaensis* sp. n., *Z. cordubensis* sp. n., *Z. egregioides* sp. n., *Z. hispaliensis* sp. n., *Z. laconicus* sp. n. and *Z. pediculatoides* sp. n.

**Keywords:** Arachnida - taxonomy - mating mechanism.

### **Linyphiid spiders (Araneae, Linyphiidae) from Pakistan and India**

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**Linyphiid spiders (Araneae, Linyphiidae) from Pakistan and India.** - 37 linyphiid species are recorded from Pakistan and India, 15 of which are described as new: *Acartauchenius himalayensis* sp. n., *Agyneta pakistanica* sp. n., *Anguliphantes nepalensoides* sp. n., *Gongylidioides keralaensis* sp. n., *G. pectinatus* sp. n., *Halorates concavus* sp. n., *Indophantes tonglu* sp. n., *Pelecopsis indus* sp. n., *Tapinocyboides bengalensis* sp. n., *Tchatkalophantes baltistan* sp. n., *Tiso incisus* sp. n., *T. (?) indianus* sp. n., *Walckenaeria saetigera* sp. n. A new genus, *Paracymboides* gen. n., is erected for *Paracymboides tibialis* sp. n. (the type species) and *P. aduncus* sp. n. One new synonym is established: *Walckenaeria nepalensis* Wunderlich, 1972 syn. n. = *W. martensi* Wunderlich, 1972. A distribution pattern is indicated for many species. Seven species, i.e., *Agyneta nigripes* (Simon, 1884), *Archaraeoncus prospiciens* (Thorell, 1875), *Ceratinella wideri* (Thorell, 1871), *Maso sundevalli* (Westring, 1851), *Microbathyphantes palmarius* (Marples, 1955), *Porrhomma pygmaeum* (Blackwall, 1834), and *Tenuiphantes tenuis* (Blackwall, 1852) are recorded from the Himalayas for the first time.

**Keywords:** Arachnida - new genus - new species - new record - Himalayas.