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Résumés

**A new racer of the genus *Platyceps* Blyth from Djibouti (Reptilia: Squamata: Colubrinae)**

Beat SCHÄTTI<sup>1</sup> & Ivan INEICH<sup>2</sup>

<sup>1</sup> Apartado postal 383, San Miguel de Allende, Gto. 37700, República Mexicana.

<sup>2</sup> Muséum national d'Histoire naturelle, Département d'Ecologie et de Gestion de la Biodiversité, Bât. 30 (Reptiles et Amphibiens), 25 rue Cuvier, F-75005 Paris, France [ineich@mnhn.fr].

**A new racer of the genus *Platyceps* Blyth from Djibouti (Reptilia: Squamata: Colubrinae).** - *Platyceps afarensis* sp. n. is described on the basis of two specimens from Djibouti. The new species is compared with presumed congeneric racers from Eastern Africa. *P. afarensis* is probably most closely related to *P. rhodorachis* auct. The systematics of some East African racers are briefly reviewed.

**Keywords:** *Platyceps afarensis* sp. n. - morphology - systematics - *P. florulentus* group - *P. rhodorachis* - Horn of Africa - Djibouti.

**Saharo-Arabian racers of the *Platyceps rhodorachis* complex – description of a new species (Reptilia: Squamata: Colubrinae)**

Beat SCHÄTTI<sup>1</sup> & Colin McCARTHY<sup>2</sup>

<sup>1</sup> Apartado postal 383, San Miguel de Allende, Gto. 37700, República Mexicana.

<sup>2</sup> The Natural History Museum, Cromwell Road, London SW7 5BD, U.K.

**Saharo-Arabian racers of the *Platyceps rhodorachis* complex – description of a new species (Reptilia: Squamata: Colubrinae).** - *Platyceps saharicus* sp. n. is described from northern Africa and the Near East (Sinai to western Jordan). This species is morphologically distinct from *P. rhodorachis* (Jan) and a yet unassigned taxon of the *rhodorachis* complex. The latter is sympatric with the Sahara racer in Israel, Jordan, and Palestine.

**Keywords:** *Platyceps saharicus* sp. n. - *P. rhodorachis* - *Platyceps* sp. *incertae sedis* - distribution - systematics.

**Discovery in the Alps of Provence (France) of a new taxon in the entirely parthenogenetic superspecies *Apatania muliebris* (Trichoptera: Apataniidae)**

L. BOTOSANEANU<sup>1</sup> & J. GIUDICELLI<sup>2</sup>

<sup>1</sup> Zoölogisch Museum, University of Amsterdam, Plantage Middenlaan 64, 1018 DH Amsterdam, The Netherlands. E-mail: secrento@science.uva.nl

<sup>2</sup> Maison Régionale de l'Eau, BP 50008, 83670 Barjols, France.  
E-mail: jb.giudicelli@wanadoo.fr

**Discovery in the Alps of Provence (France) of a new taxon in the entirely parthenogenetic superspecies *Apatania muliebris* (Trichoptera).** - Various aspects of a remarkable complex of parthenogenetic taxa are reviewed, pros and cons being examined concerning their taxonomic status. *Apatania mercantoura* sp. n. is described from alpine wetlands in three localities (2350-2440 m a. s. l.) in the Parc National du Mercantour. This is the first discovery in France of a taxon belonging to this parthenogenetic complex; the known localities are almost at the highest altitudes known for a member of the *A. muliebris* complex, and the new species is possibly the most meridional of all taxa in this complex.

**Keywords:** Trichoptera - *Apatania* - parthenogenesis - alpine wetlands - Alps of Provence.

**A new genus and species of small characid (Ostariophysi, Characidae) from the upper río Bermejo basin, northwestern Argentina**

Juan Marcos MIRANDE<sup>1</sup>, Gastón AGUILERA<sup>1</sup> & María de las Mercedes AZPELICUETA<sup>2</sup>

<sup>1</sup> Fundación Miguel Lillo, Miguel Lillo 251, 4000 Tucumán, Argentina.

E-mail: mcpiranha@hotmail.com.

<sup>2</sup> División Zoología Vertebrados, Facultad de Ciencias Naturales y Museo, Paseo del Bosque, 1900 La Plata, Argentina.

E-mail: azpeli@museo.fcnym.unlp.edu.ar

**A new genus and species of small characid (Ostariophysi, Characidae) from the upper río Bermejo basin, northwestern Argentina.** - A new genus and species of small characid is described in this paper. The new genus, *Nans* gen. n., is diagnosed by the combination of: ii,7-8 dorsal-fin rays, 10-15 branched anal-fin rays, 5 teeth in the inner premaxillary row, rotation of the pelvic bone about 90°, rotation of the pelvic fin muscles, pelvic fin curved and forming a complete tube in mature males, incomplete foramen for exit of the olfactory nerve in the lateral ethmoid. Other characters which help in the identification of *Nans* are the large subcircular foramen in the dorsal vomerine lamella which articulates with the mesethmoid, the absence of an extrascapular sensory canal in the posttemporal, and a laterosensory canal in the anguloarticular. The type species, *Nans indefessus* sp. n. was collected in the río Anta Muerta and arroyo Colorado, tributaries of the río Blanco, and in the río Pescado, upper río Bermejo basin, Salta, Argentina.

**Keywords:** Characiformes - Characidae - *Nans* - new genus - río Bermejo

**New species of *Amyntas* Kinberg, 1867 from the Philippines (Oligochaeta: Megascolecidae)**

Yong HONG<sup>1</sup> & Samuel W. JAMES<sup>2</sup>

<sup>1</sup> Faculty of Biological Resources Science, College of Agriculture, Jeonbuk National University, Jeonju 561-756, Republic of Korea.

E-mail: yhong@chonbuk.ac.kr; geoworm@hanmail.net (author for reprint requests).

<sup>2</sup> Natural History Museum and Biodiversity Research Center, University of Kansas, Lawrence, KS 66045, U.S.A.

**New species of *Amyntas* Kinberg, 1867 from the Philippines (Oligochaeta: Megascolecidae).** - Six new *Amyntas* are described from the Philippines: *Amyntas isarogensis* sp. n., *Amyntas malinaoensis* sp. n., *Amyntas philippinensis* sp. n., *Amyntas mindoroensis* sp. n., *Amyntas halconensis* sp. n. and *Amyntas bacoensis* sp. n. *Amyntas isarogensis* sp. n. and *Amyntas malinaoensis* sp. n. have a proandric male sexual system and small penes within enlarged prostatic ducts. *Amyntas philippinensis* sp. n. has spermathecal pores in 4/5, *Amyntas mindoroensis* sp. n. has spermathecal pores in 4/5, 5/6, *Amyntas halconensis* sp. n. has spermathecal pores in 4/5, 5/6, and 6/7, and *Amyntas bacoensis* sp. n. has spermathecal pores in 4/5, 5/6, 6/7, and 7/8. These last four species also have small hoods over the male pores. *Amyntas halconensis* sp. n. and *Amyntas bacoensis* sp. n. were only collected in soils, while the other 4 species were collected in both soils and arboreal habitats. All 6 new species lack genital markings in the spermathecal segments. Descriptions of the new species are provided, including illustrations of the ventral view, male pore region, and spermathecae.

**Keywords:** Earthworms - *Amyntas* - Megascolecidae - Oligochaeta - Philippines - taxonomy.

**Espèces nouvelles du genre *Pseudosinella* provenant de Moldavie et d'Ukraine (Collembola: Entomobryidae). XVIII<sup>e</sup> contribution**

Maria Manuela DA GAMA<sup>1</sup> & Galina BUSMACHIU<sup>2</sup>

<sup>1</sup> Instituto do Ambiente e Vida, Departamento de Zoologia da Universidade de Coimbra, 3004-517 Coimbra, Portugal.

<sup>2</sup> Institutul de Zoologie al Academiei de Stiinta a Moldovei, 2028 Chisinau, str. Academiei 1, Republica Moldova.

**New species of the genus *Pseudosinella* from Moldavia and Ukraine (Collembola: Entomobryidae). XVIII contribution.** - The authors have studied ten edaphic species of the genus *Pseudosinella*, two of which are new: *P. pygmaea* sp. n. and *P. variabilis* sp. n. Morphological comparison with similar species and geographical distribution are also considered.

**Keywords:** Collembola - *Pseudosinella* - new species - Moldavia - Ukraine.

**Two new genera of Zodariidae (Araneae) from Southeast Asia**

Pakawin DANKITTIPAKUL<sup>1</sup> & Rudy JOCQUÉ<sup>2</sup>

<sup>1</sup> Terrestrial Arthropod Research Unit, Department of Biology, Faculty of Science, Chiang Mai University, Chiang Mai 50200, Thailand.

Present address: The University of Auckland, Private Bag 92019, Auckland, New Zealand. E-mail:

pdan021@ec.auckland.ac.nz

<sup>2</sup> Section of Invertebrates, Musée Royal de l'Afrique Centrale, B-3080 Tervuren, Belgium. E-mail: jocque@africamuseum.be

**Two new genera of Zodariidae (Araneae) from Southeast Asia.** - Two new genera of Zodariidae, belonging to the Zodariinae and strongly related to *Mallinella* Strand, are reported from evergreen forests in Thailand and Malaysia. *Euryeidon* gen. n. is represented by six species, all of which are new: *E. monticola* sp. n. (the type species; ♂♀), *E. musicum* sp. n. (♂♀), *E. anthonyi* sp. n. (♂♀), *E. sonthichaiiae* sp. n. (♂), *E. consideratum* sp. n. (♀) and *E. schwendingeri* sp. n. (♀). The genus is characterized by its strongly reticulate carapace and widely spaced eyes. *Heradion* gen. n. is represented by five new species, all known from both sexes, which can be clustered in two species groups on the base of somatic characters. The first group, found in Thailand, consists of *Heradion naiadis* sp. n. (the type species) and *H. peteri* sp. n. The second group is restricted to Malaysia and consists of three smaller, long-legged species: *H. pernix* sp. n., *H. damrongi* sp. n. and *H. luctator* sp. n. *Heradion* is characterized by: carapace smooth, domed; chilum drawn out into a point, pointing forward; sternum with anterior concavity accommodating labium; sclerotized field in front of the spinnerets with rows of hairs; femora inflated dorsally near proximal dorsal spine; coxae I and IV elongated. Keys to the genera of Zodariinae in Southeast Asia and to the species of *Euryeidon* and *Heradion* are provided.

**Keywords:** *Euryeidon* - *Heradion* - new genera - new species - taxonomy - zoogeography - Thailand - Malaysia.

**The first record of *Horaeomorphus* Schaufuss (Coleoptera, Scydmaenidae) from the Philippines, with description of *H. blattnyi* sp. n.**

Pawel JALOSZYNSKI

Os. Wichrowe Wzgórze 22/13, 61-678 Poznan, Poland.

E-mail: japawel@man.poznan.pl

**The first record of *Horaeomorphus* Schaufuss (Coleoptera, Scydmaenidae) from the Philippines, with description of *H. blattnyi* sp. n.** - The first species of the Australo-Oriental genus *Horaeomorphus* Schaufuss known to occur in the Philippines is described, *H. blattnyi* sp. n. The male habitus and key characters including the aedeagus are illustrated.

**Keywords:** Coleoptera - Scydmaenidae - *Horaeomorphus* - new species - Philippines - taxonomy.

## **Falagriini, Deremini, Athetini e Thamiaraeini del Borneo (Coleoptera, Staphylinidae)\***

Roberto PACE

Via Vittorio Veneto, 13, I-37032 Monteforte d'Alpone (Verona), Italia.

E-mail: pace.ent@tiscali.it

**Falagriini, Deremini, Athetini and Thamiaraeini from Borneo (Coleoptera, Staphylinidae).** - Nine genera are new for Borneo, two of the Falagriini: *Pheigetoxenus* Kistner and *Cordalia* Jacobs; one of the Deremini: *Demerinda* Cameron; four of the Athetini: *Emmelostiba* Pace, *Aloconota* Thomson, *Hydrosmecta* Thomson and *Berca* Blackwelder; two of the Thamiaraeini: *Gastropaga* Bernhauer and *Platorischna* Pace. Sixty-six species are recognized, of which fifty-three are described as new. New synonymies are proposed for three species: *Falagria densipennis* Cameron, 1939 is a junior synonym of *Falagria amabilis* Cameron, 1933; *Atheta bogorensis* (Sawada, 1971) and *Atheta mon* Pace, 1992 are two junior synonyms of *Atheta ocularis* Cameron, 1929. New combinations are proposed for four species. All new species are illustrated and compared with similar looking species. Keys to almost all the species of the genera of the tribes mentioned above are presented.

**Keywords:** Coleoptera - Staphylinidae - Aleocharinae - Falagriini - Deremini - Athetini, Thamiaraeini - taxonomy - Borneo.

## **A review of the *Gnathonarium* species (Araneae: Linyphiidae) of China**

Lihong TU & Shuqiang LI

Institute of Zoology, Chinese Academy of Sciences, Beijing 100080, China.

E-mail: Lisq.@ioz.ac.cn (all correspondence to Shuqiang Li)

**A review of the *Gnathonarium* species (Araneae: Linyphiidae) of China.** - The present paper gives a review of the *Gnathonarium* species known from China. A total of four species are recorded, including one new species *G. biconcavum* sp. n.. *G. cornigerum* Zhu & Wen, 1980, *G. phragmigerum* Gao & Zhu, 1988 and *G. flavidum* Gao & Zhu, 1993 are synonymized with *G. cambridgei* Schenkel, 1963. A description of the new species and redescriptions of the known species are given.

**Keywords:** Taxonomy - Linyphiidae - *Gnathonarium* - new species - China.

## ***Siamoglaris zebrina* gen. n., sp. n., the first representative of Prionoglarididae from the Oriental Region (Insecta: Psocoptera)**

Charles LIENHARD

Muséum d'histoire naturelle, c. p. 6434, CH-1211 Genève 6, Switzerland.

E-mail: charles.lienhard@mhn.ville-ge.ch

***Siamoglaris zebrina* gen. n., sp. n., the first representative of Prionoglarididae from the Oriental Region (Insecta: Psocoptera).** - *Siamoglaris zebrina* gen. n., sp. n. is described and illustrated from a male specimen collected in Thailand. The new genus is closely related to the Palearctic genus *Prionoglaris* Enderlein. Illustrations of the type species of that genus, *P. stygia* Enderlein, are also given. The systematic position of these two genera within the family Prionoglarididae is discussed and the family is subdivided into two subfamilies: Prionoglaridinae Badonnel and Speleketorinae Smithers. A key to the adults of the genera of the family Prionoglarididae is provided.

**Keywords:** Prionoglaridinae - Speleketorinae - *Prionoglaris* - *Speleketor* - *Sensitibilla* - new genus - new species - mouthparts - cave fauna - Thailand.

## **New species of *Hybos* from Guangxi, China (Diptera, Empidoidea, Hybotidae)**

Ding YANG<sup>1,2</sup> & Bernhard MERZ<sup>3</sup>

<sup>1</sup> Department of Entomology, China Agricultural University, Beijing 100094, China. E-mail: dingyang@cau.edu.cn or dyangcau@yahoo.com.cn

<sup>2</sup> Key Lab of Insect Evolution & Environmental Changes, Capital Normal University, Beijing 100037, China.

<sup>3</sup> Département d'Entomologie, Muséum d'histoire naturelle, c. p. 6434, CH-1211 Genève 6, Switzerland. E-mail: bernhard.merz@mhn.ville-ge.ch

**New species of *Hybos* from Guangxi, China (Diptera, Empidoidea, Hybotidae).** - The following species of *Hybos* from Guangxi (Southern China) are described, illustrated and compared with morphologically similar species: *Hybos liui* sp. n., *H. quadriseta* sp. n., and *H. shuwenae* sp. n. A key to the species of *Hybos* from Guangxi is presented.

**Keywords:** Diptera - Hybotidae - *Hybos* - new species - key - China.

## **Campodéidés cavernicoles du nord-est de la péninsule Ibérique (Diplura: Campodeidae)**

Alberto SENDRA<sup>1</sup> & Oleguer ESCOLÀ<sup>2</sup>

<sup>1</sup> Museu Valencià d'Història Natural. Fundació Entomològica Torres Sala. Paseo de la Pechina 15. E-46008 Valencia, Spain. E-mail: Alberto.Sendra@uv.es

<sup>2</sup> Museu de Zoologia de Barcelona. Parc de la Ciutadella. Passeig Picasso s/n. Parc de la Ciutadella. E-08003 Barcelona, Spain. E-mail: oescola@mail.bcn.es

**Cave-dwelling Campodeids from the northeastern Iberian Peninsula (Diplura: Campodeidae).** - Two new species and one new subspecies of campodeids (Diplura) are described from caves of the northeastern Iberian Peninsula: *Campodea (Campodea) cossetana* sp. n., *Campodea (Campodea) maestrazgoensis* sp. n. and *Plusiocampa bonneti condei* ssp. n. Ten additional forms are studied, all of them belonging to the same biogeographic area. We finally discuss some hypotheses concerning the colonization's chronology of the northeastern Iberian Peninsula.

**Keywords:** Diplura - Campodeidae - *Campodea* - *Paratachycampa* - *Litocampa* - *Podocampa* - cave fauna - taxonomy - Iberian distribution - new species.

## **Peritelini nuovi o interessanti della fauna paleartica. VIII. *Pseudomeira* balcaniche (Coleoptera Curculionidae Entiminae)**

Helio PIEROTTI<sup>1</sup> & Cesare BELLÒ<sup>2</sup>

<sup>1</sup> strada di Selvana 1, I - 31100 Treviso (Italia).

<sup>2</sup> via Vespucci 11/a, I - 31033 Castelfranco Veneto (Italia).

**New or interesting Peritelini of the Palearctic fauna. VIII. *Pseudomeira* from the Balkans (Coleoptera Curculionidae Entiminae).** - *Pseudomeira kapleri* sp. n. from Greece is described; *Pseudomeira obscura* (A. & F. Solari), so far only known from southern Italy and Sicily, is mentioned from Greece and Albania.

**Keywords:** Coleoptera - Curculionidae - Peritelini - Balkans - *Pseudomeira* - new species.

## The status of *Barbitistes serricauda* (Fabricius, 1794) (Ensifera: Phaneropteridae) – a re-assessment

Hannes BAUR<sup>1</sup> & Armin CORAY<sup>2</sup>

<sup>1</sup> Department of Invertebrates, Natural History Museum, Bernastrasse 15, CH-3005 Bern, Switzerland. E-mail: hannes.baur@nmbe.unibe.ch (correspondence)

<sup>2</sup> Department of Biosciences, Natural History Museum, Augustinerstrasse 2, CH-4001 Basel, Switzerland. E-mail: armin.coray@balcab.ch

**The status of *Barbitistes serricauda* (Fabricius, 1794) (Ensifera: Phaneropteridae) – a re-assessment.** - In this paper, we examine the taxonomic and nominal status of a widespread species of European bush-cricket, *Barbitistes serricauda* (Fabricius, 1794) (Ensifera: Phaneropteridae). The name *B. serricauda* has almost exclusively been applied to a species occurring mainly north of the Alps from Spain through Central Europe to the Black Sea. A re-examination of two syntypes of *B. serricauda* has now revealed that they represent a different species occurring on the south side of the Alps in France, Italy and Switzerland, currently treated as *B. obtusus* Targioni-Tozzetti, 1881. Therefore, the species from the south side of the Alps should be called *B. serricauda* (instead of *B. obtusus*), while a new name would have to be found for the species from the north side of the Alps (hitherto *B. serricauda*). Considering the long established and well-defined use of *B. serricauda* and *B. obtusus*, this scenario would inevitably result in severe confusion and nomenclatural instability. Hence, a formal request will be submitted in December 2004 to the *International Commission on Zoological Nomenclature* to preserve the accustomed use of these names. Meanwhile, we suggest maintaining the prevailing usage in both cases. We furthermore discuss the status of *Barbitistes obtusus alpinus* Fruhstorfer, 1920, for which an invalid neotype was designated in a recent publication.

**Keywords:** Phaneropteridae - *Barbitistes* - *alpinus* - invalid neotype - *obtusus* - *serricauda* - *taurinensis* - nomenclature - taxonomy.

## *Crociodura cosyrensis* Contoli, 1989 (Mammalia, Soricidae): karyotype, biochemical genetics and hybridization experiments

Peter VOGEL<sup>1</sup>, Tiziano MADDALENA<sup>2</sup> & Maurizio SARÀ<sup>3</sup>

<sup>1</sup> Département d'Ecologie et d'Evolution, Université de Lausanne, CH-1015 Lausanne, Switzerland. E-mail: peter.vogel@ie-zea.unil.ch

<sup>2</sup> CH-6672 Gordevio, Switzerland.

<sup>3</sup> Dipartimento di Biologia Animale, Università di Palermo, Italy.

***Crociodura cosyrensis* Contoli, 1989 (Mammalia, Soricidae): karyotype, biochemical genetics and hybridization experiments.** - The shrew *Crociodura cosyrensis* Contoli, 1989 from Pantelleria (I), a Mediterranean island 100 km south of Sicily and 70 km west from Tunisia, was investigated in order to understand its origin and its relationship with *C. russula* from Tunisia, Morocco and Switzerland. With the exception of a single heterozygote centric fusion, *C. cosyrensis* had a karyotype identical with that of *C. russula* from Tunisia (2N = 42, NF = 70 to 72), but it differed from *C. russula* from Morocco and Switzerland (2N = 42, NF = 60). The former have 5-6 pairs of chromosomes with small arms that are acrocentric in the latter. Genetic comparisons with allozyme data revealed small genetic distance (0.04) between *C. cosyrensis* and *C. russula* from Tunisia. In contrast, this eastern clade (Tunisia and Pantelleria) is separated from the western clade (Switzerland and Morocco) by a genetic distance of 0.14. A hybridization experiment between shrews from Pantelleria and Switzerland lead rapidly to an F1 generation. From 12 F1 hybrids that were backcrossed, females reproduced normally, but none of the males did so. Concluding from the results, *C. cosyrensis* from Pantelleria and *C. russula* cf. *agilis* from Tunisia belong to the same taxon that may have reached the differentiation of a biological species within the *C. russula* group. More geographic samples are needed to determine the definitive taxonomic positions of these shrews.

**Keywords:** Soricidae - *Crociodura* - Pantelleria - Tunisia - phylogeography - chromosomes - hybrids.

## **First records of raccoon dog, *Nyctereutes procyonoides* (Gray, 1834), in Switzerland**

Jean-Marc WEBER<sup>1</sup>, Dominique FRESARD<sup>2</sup>, Simon CAPT<sup>3</sup> & Christophe NOEL<sup>4</sup>

<sup>1</sup> KORA, Thunstrasse 31, CH-3074 Muri, Switzerland. E-mail: jmweber@bluewin.ch

<sup>2</sup> Cité 101, CH-2325 Les Planchettes, Switzerland. E-mail: pchit@bluewin.ch

<sup>3</sup> CSCF, rue des Terreaux 14, CH-2000 Neuchâtel, Switzerland.

E-mail: simon.capt@cscf.unine.ch

<sup>4</sup> OEPN, Les Champs-Fallat, CH-2882 St-Ursanne, Switzerland.

E-mail: christophe.noel@jura.ch

**First records of raccoon dog, *Nyctereutes procyonoides* (Gray, 1834), in Switzerland.** - The raccoon dog was introduced to the European part of the former USSR in the last century. Since then, the species rapidly expanded its range throughout Europe and now occurs in Germany and eastern France. Herein, we report the first confirmed observations of the raccoon dog in Switzerland and discuss the potential risks associated to its presence.

**Keywords:** Raccoon dog - *Nyctereutes procyonoides* - first records - Switzerland.

## **A new species of scutacarid mites transferring fungal spores (Acari, Tarsonemina)**

Ernst EBERMANN & Manfred HALL

Institut für Zoologie, Biodiversität & Evolution, Karl-Franzens-Universität, Universitätsplatz 2, A-8010 Graz, Austria.

E-mail: ernst.ebermann@uni-graz.at, manfred.hall@gmx.at

**A new species of scutacarid mites transferring fungal spores (Acari, Tarsonemina).** - The mite species *Imparipes (I.) breganti* sp. n. (Heterostigmata, Scutacaridae) is described. Females of this species use the atrium genitale as a transport container (sporothea) for fungal spores. The females have been found phoretic on soil-dwelling sphecids and, less commonly, on soil-dwelling bee species. The male and larva are still unknown. *Imparipes breganti* sp. n. is recorded from a number of collection sites in Austria, Belgium and Germany.

**Keywords:** Acari - Scutacaridae - new mite species - spore transfer - sporothecae - Sphecidae - wild bees - phoresy.

## **A new replacement name for *Vincentia* Uhler, 1895 (non Castelnau, 1872) (Insecta: Hemiptera: Cixiidae)**

Werner E. HOLZINGER

Ökoteam - Department of Faunistics and Animal Ecology, Bergmannsgasse 22,

A-8010 Graz, Austria.

E-mail: holzinger@oekoteam.at

**A new replacement name for *Vincentia* Uhler, 1895 (non Castelnau, 1872) (Insecta: Hemiptera: Cixiidae).** - The preoccupied name *Vincentia* Uhler, 1895 nec Castelnau, 1872 is replaced by *Nivcentia* nom. nov. Five species are currently placed in this genus, namely *Nivcentia interrupta* (Uhler, 1895) comb. nov. (type species), *N. hewanorrae* (Fennah, 1945) comb. nov., *N. christopheri* (Fennah, 1945) comb. nov., *N. grenadana* (Fennah, 1945) comb. nov. and *N. substigmatica* (Lethierry, 1881) comb. nov.

**Keywords:** *Nivcentia* - Fulgoromorpha - Pisces - Apogonidae - Coleoptera - Cerambycidae.

**Five new species of the *Hypostomus cochliodon* group (Siluriformes: Loricariidae) from the middle and lower Amazon System**

Pedro HOLLANDA CARVALHO<sup>1,2</sup> & Claude WEBER<sup>1</sup>

<sup>1</sup> Muséum d'histoire naturelle de la Ville de Genève, Case postale 6434, CH-1211 Genève 6, Switzerland. E-mail: claudeweber@mhn.ville-ge.ch

<sup>2</sup> Département de Zoologie et Biologie Animale, Université de Genève, 30, quai Ernest-Ansermet, CH-1211, Genève 4, Switzerland.

**Five new species of the *Hypostomus cochliodon* group (Siluriformes: Loricariidae) from the middle and lower Amazon System.** - Five new species of *Hypostomus* from the *cochliodon* group are described from the middle and lower Amazonian Basin. Data for a population of *H. hemicochliodon* Armbruster, 2003 from Rio Branco (Roraima, Brazil) and comments on the identity of *Hypostomus cochliodon* Kner, 1854, and on the paraphyly of the group are given. A hypothesis that *Hypostomus soniae* sp. n. may have been separated from a Paraguayan species during the late Tertiary is advanced. A key for identification for the species of the *Hypostomus cochliodon* group from Amazon Basin is given.

**Keywords:** *Hypostomus* - *cochliodon* group - Amazon Basin - catfishes - new species - systematics.

***Pseudosinella maros* sp. n., a troglobitic Entomobryidae (Collembola) from Sulawesi Selatan, Indonesia**

Louis DEHARVENG<sup>1</sup> & Yayuk R. SUHARDJONO<sup>2</sup>

<sup>1</sup> FRE 2695 du CNRS "Origine, Structure et Evolution de la Biodiversité", Museum National d'Histoire Naturelle, 45 rue Buffon, 75005 Paris (France). E-mail: deharven@mnhn.fr

<sup>2</sup> Museum Zoologicum Bogoriense, Widiasatwaloka Building, RC-Biology, Jl. Raya Jakarta-Bogor Km. 46, Cibinong (Indonesia). E-mail: yayukrs@indo.net.id

***Pseudosinella maros* sp. n., a troglobitic Entomobryidae (Collembola) from Sulawesi Selatan, Indonesia.** - The new species *Pseudosinella maros* sp. n. is described from caves of south Sulawesi. It exhibits clear troglomorphic features (absence of eyes and pigment, relatively large body size, elongate claw and antennae), and is restricted to oligotrophic habitats in the caves of the Maros karst, where it is abundant. It is the first true subterranean species of the genus recorded from Indonesia.

**Keywords:** New species - Collembola - Entomobryidae - Sulawesi - subterranean fauna.