

**The European athecate hydroids and their medusae
(Hydrozoa, Cnidaria): Filifera Part 3**

Peter SCHUCHERT

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

E-mail: Peter.Schuchert@ville-ge.ch

The European athecate hydroids and their medusae (Hydrozoa, Cnidaria): Filifera Part 3. - This study reviews all European hydroids belonging to the filiferan families Hydractiniidae, Rhysiidae, and Stylasteridae. Stylasterids are treated only summarily because a recent, exhaustive monograph is available.

Stylactaria claviformis Bouillon, 1965 and *Hydractinia calderi* Bouillon, Medel, & Peña Cantero, 1997 are both regarded as junior synonyms of *Hydractinia proboscidea* (Hincks, 1868). *Podocoryna corii* Stechow, 1929 is regarded as a new junior synonym of *H. borealis*. *Cytaeandra polystyla* Haeckel, 1879 is perhaps a synonym of *Turritopsis polycirra* (Keferstein, 1862). *Hydractinia areolata* Alder, 1862 is selected as type species for the genus *Cytaeandra* Haeckel, 1879. *Clavopsis adriatica* Graeffe, 1883a is an indeterminate species, perhaps belonging to *Turritopsis dohrnii* (Weismann, 1883).

Keywords: Cnidaria - marine - Hydrozoa - Hydractiniidae - Rhysiidae - Stylasteridae - revision - taxonomy - northeastern Atlantic - Mediterranean.

Additions to the Cosmopterigidae (Lepidoptera) of the Galapagos Islands, Ecuador, with description of a new species of *Stilbosis*
Clemens

Bernard LANDRY¹ & Lazaro ROQUE-ALBELO²

¹Muséum d'histoire naturelle, C.P. 6434, 1211 Genève 6, Switzerland.

Email: bernard.landry@ville-ge.ch

²Charles Darwin Research Station, A.P. 17-01-3891, Quito, Ecuador.

Email: lazaro@fcdarwin.org.ec

Additions to the Cosmopterigidae (Lepidoptera) of the Galapagos Islands, Ecuador, with description of a new species of *Stilbosis* Clemens. - The Cosmopterigidae (including Chrysopeleinae) of the Galapagos Islands are briefly reviewed in terms of their distribution and 10 new island records are given for seven of the eight previously reported

species. *Stilbosis schmitzi* Landry is described as new from the islands of San Cristobal and Santa Cruz. The female of *Periploca darwini* Landry is described and illustrated for the first time; this species was reared as a leaf miner on *Dodonea viscosa* (L.) Jacq. (Sapindaceae) on Isabela Island.

Keywords: Cosmopterigidae - Chrysopeleinae - new species - *Stilbosis* - female of *Periploca darwini* Landry - *Dodonea viscosa* - Sapindaceae.

A review of the spider genus *Hygropoda* in Thailand (Araneae, Pisauridae)

Pakawin DANKITTIPAKUL¹, Tippawan SINGTRIPOP¹ & Zhi-Sheng ZHANG²

¹ Insect Endocrinology Research Laboratory, Department of Biology, Faculty of Science, Chiang Mai University, Chiang Mai 50200, Thailand.

² College of Life Science, Southwest University, No. 1, Tiansheng Rd., Beibei, Chongqing, 400715, China. E-mail: zsup0312@yahoo.cn

A review of the spider genus *Hygropoda* in Thailand (Araneae, Pisauridae). - Three species belonging to the spider genus *Hygropoda* Thorell are recorded from Thailand. All of them have previously been reported from Yunnan Province, southern China. The males of *H. argentata* Zhang, Zhu & Song, 2004 and *Hygropoda yunnan* Zhang, Zhu & Song, 2004 are described and illustrated here for the first time from specimens collected in northern Thailand. The female of *H. campanulata* Zhang, Zhu & Song, 2004 is redescribed and illustrated from a specimen collected in western Thailand.

Keywords: Taxonomy - conspecific sex - zoogeography - new record - *H. argentata* - *H. campanulata* - *H. yunnan*.

Neue *Edaphus* aus Sri Lanka (Coleoptera: Staphylinidae) 97. Beitrag zur Kenntnis der Euaesthetinen

Volker PUTHZ

c/o Burgmuseum Schlitz, Naturwissenschaftliche Abteilung, Vorderburg 1,
D-36110 Schlitz, Deutschland. E-mail: Stenus.Puthz@t-online.de

New *Edaphus* from Sri Lanka (Coleoptera: Staphylinidae) 97th Contribution to the knowledge of Euaesthetinae. - Six new *Edaphus* from Sri Lanka are described: *E. incommodus* sp. n., *E. languidus* sp. n., *E. marginifrons* sp. n., *E. mussardianus* sp. n., *E. taprobanensis* sp. n. and *E. umbifons* sp. n.

Keywords: Coleoptera - Staphylinidae - *Edaphus* - new species - taxonomy - Sri Lanka.

A revision of the New Guinean genus *Novopsocus* Thornton (Psocoptera, Pseudocaeciliidae) with the description of two new species

Philippe CUÉNOUD

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

A revision of the New Guinean genus *Novopsocus* Thornton (Psocoptera, Pseudocaeciliidae) with the description of two new species. - The New Guinean endemic genus *Novopsocus* Thornton was previously known from six specimens, all attributed to the type species *N. stenopterus* (Thornton & Smithers). The genus is here revised in the light of nine newly collected individuals. Examination of published and of new material shows that individuals previously attributed to the type species belong to two different species, *N. stenopterus* itself and *N. magnus* sp. n. A third species, *N. caeciliae* sp. n., is described on the base of a single male. The new data show that the strong sexual dimorphism reported in *Novopsocus* is most pronounced in *N. magnus*, and absent in *N. stenopterus* (the incompletely known *N. caeciliae* seems to be intermediate with respect to this character). The autapomorphies previously postulated for the genus are not all valid, although the validity of the genus itself is not questioned.

Keywords: Psocodea - *Zelandopsocinae* - new species - New Guinea endemic - sexual dimorphism.

Nine new species of earthworms (Oligochaeta: Megascolecidae) of the Banaue Rice Terraces, Philippines

Yong HONG¹ & Samuel W. JAMES²

¹Institute of Agricultural Science, College of Agriculture, Sangju National University, Sangju 742-711, Republic of Korea

²Natural History Museum and Biodiversity Institute, University of Kansas, Lawrence, KS 66045, U.S.A.

Nine new species of earthworms (Oligochaeta: Megascolecidae) of the Banaue Rice Terraces, Philippines. - Earthworm specimens collected from the Philippines from Banaue, Ifugao Province belong to 9 new species of pheretimoid earthworms. Two new species of *Pheretima* as characterized by Sims and Easton (1972) were found, including *Pheretima banauensis* sp. n., and *Pheretima cabigati* sp. n. They have spermathecae in VII-VIII and VI-IX, respectively. Four new species of *Pithemera* are

Pithemera duhuani sp. n., *Pithemera fragumae* sp. n. and *Pithemera ifugaoensis* sp. n. of the *Pi. bicincta* group, having spermathecae in segments V-IX, and *Pithemera triangulata* with three pairs of spermathecae in segment V-VII. Three new species of *Polypheretima* are *Polypheretima fruticosa* sp. n., *Polypheretima perlucidula* sp. n., and *Polypheretima bannaworensis* sp. n. with paired spermathecae in VI, VI-VII, and VI-IX, respectively. Descriptions of the new species are provided.

Keywords: Earthworms - *Pheretima* - *Pithemera* - *Polypheretima* - Megascolecidae - Oligochaeta - Philippines - taxonomy.

New species of *Pholcus* and *Spermophora* (Pholcidae, Araneae) from Iran and Afghanistan, with notes on mating mechanisms

Antoine SENGLLET

Route de Begnins, CH-1267 Vich, Switzerland. E-mail: a.senglet@bluewin.ch

New species of *Pholcus* and *Spermophora* (Pholcidae, Araneae) from Iran and Afghanistan, with notes on mating mechanisms. - The anchoring devices employed by some Pholcinae during mating are explained. 15 *Pholcus* and 3 *Spermophora* species are currently known from Iran and Afghanistan. These include the following new species: *Pholcus afghanus* sp. n., *P. arsacius* sp. n., *P. caspius* sp. n., *P. copenius* sp. n., *P. djelalabad* sp. n., *P. elymaeus* sp. n., *P. hystaspus* sp. n., *P. kandahar* sp. n., *P. parthicus* sp. n. and *P. velitchkovskyi* Kulczynski. Iranian *Spermophora* are *S. senoculata* Dugès, *S. senoculatoides* sp. n. and *S. persica* sp. n.

Keywords: Arachnida - Pholcinae - taxonomy.

A reassessment of the phylogeny and biogeography of *Rhabderemia* Topsent, 1890 (Rhabderemiidae, Poecilosclerida, Demospongiae)

Eduardo HAJDU¹ & Ruth DESQUEYROUX-FAUNDEZ²

¹ Museu Nacional, Departamento de Invertebrados, Universidade Federal do Rio de Janeiro, Quinta da Boa Vista, s/n, 20940-040, Rio de Janeiro, RJ, Brazil.
hajdu@acd.ufrj.br

² Muséum d'histoire naturelle, CP 6434, CH-1211, Genève 6, Switzerland.
ruth.faundez@ville-ge.ch

A reassessment of the phylogeny and biogeography of *Rhabderemia* Topsent, 1890 (Rhabderemiidae, Poecilosclerida, Demospongiae). - *Rhabderemia uruguayensis* van Soest & Hooper, 1993 is redescribed from a depth of 15m at Tempano Fjord (SE Pacific, Chile). Updated phylogenetic hypotheses are offered for *Rhabderemia*, based on two

alternative macroevolutionary scenarios - outgroups Desmacellidae and Raspailiidae. The biogeographies implied from these phylogenies are discussed with a focus on those results shared by both phylogenies and a previously published one, as well as on the affinities derived from two recently described new species from the SW Atlantic, *R. besnardi* Oliveira & Hajdu, 2005 and *R. itajai* Oliveira & Hajdu, 2005. Special mention is made of trans-Pacific tracks inferred here and elsewhere in the sponge phylogenetic literature. These span the following four routes: 1) Caribbean - Australia, 2) south-eastern Pacific - Tropical West Pacific, 3) south-eastern Pacific - Easter Island, 4) New Zealand - Boreal Pacific.

Keywords: Porifera - *Rhabderemia* - marine sponges - fjords - taxonomy - phylogeny - biogeography - SE Pacific - *Stylospira* - trans-Pacific tracks.

Specie del genere *Pseudoplandria* Fenyès, 1921 nel Borneo (Coleoptera, Staphylinidae)*

Roberto PACE

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

E-mail: pace.ent@tiscali.it

The species of the genus *Pseudoplandria* Fenyès, 1921 from Borneo (Coleoptera, Staphylinidae). - This study on the genus *Pseudoplandria* Fenyès from Borneo provides illustrations of *P. ruficollis* Cameron, the only known species from Borneo of which a lectotypus is designated. The followings 32 species are described as new: *P. globulitheca* sp. n., *P. cavicola* sp. n., *P. seditiosa* sp. n., *P. zerchei* sp. n., *P. belalongica* sp. n., *P. anomala* sp. n., *P. subtricarinata* sp. n., *P. laminaris* sp. n., *P. pseudo-bellicosa* sp. n., *P. liwaguensis* sp. n., *P. plicatella* sp. n., *P. subliwaguensis* sp. n., *P. subtilis* sp. n., *P. dilatatalamina* sp. n., *P. bruneicola* sp. n., *P. bellicosa* sp. n., *P. sabahensis* sp. n., *P. nobilis* sp. n., *P. altitudinis* sp. n., *P. fugax* sp. n., *P. obscura* sp. n., *P. sinusifera* sp. n., *P. subanomala* sp. n., *P. sanguinicollis* sp. n., *P. pseudosanguinicollis* sp. n., *P. superba* sp. n., *P. parasanguinicollis* sp. n., *P. distinctatheca* sp. n., *P. kinabaluicola* sp. n., *P. expansa* sp. n., *P. biperforata* sp. n. and *P. serpentina* sp. n. Habitus as well as male and female genitalia of the new species and of *P. ruficollis* Cameron are illustrated. A key to the species is provided.

Key words: Coleoptera - Staphylinidae - Aleocharinae - taxonomy - Borneo.