“What, and no one’s in the pool?”

DON’T FORGET TO RENEW YOUR MEMBERSHIP IN IAM!
THE APPLICATION CAN BE FOUND AT THE END OF THIS ISSUE OR AT:
http://www.meiofauna.org/appform.html
The International Association of Meiobenthologists

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Editorial

Bom dia!

First of all I should apologize for the very long delay of this number. Wondering about a reason to this delay I was first drove to my many tasks – “over-work” – but now I think that the responsibility of making a good first edition of Psammonalia, together with the request of the Executive Committee during Thirimco to present new ways to “reanimate” IAM, had both frozen my aptness to finish this 150th edition. In fact I have no “magic” solution but only some thoughts of what we all can try. My first reflection is that a healthy Association is the result of proactive members and I feel that much could be done simply by sending information to include on each newsletter. Looking behind, I felt that during the Conference apart from debating throughout presentations we also exchange information during extra-time about on-going Projects, student training opportunities/courses, occurrences of known (or unknown) taxa and several other activities that clearly increases our networking. Maybe if we put some more effort to regularly exchange this “back-stage” information through the newsletter we could increase interactions among members and hence inject some new blood in IAM. I am thus encouraging members to send news of their activities that could be worth for the others.

Cheers,
Paulo

Next Conference

It has been >20 yrs. since IAM met in Ghent, Belgium for the Conference and it was decided by the membership that our return is long overdue. The next International Meiofauna Conference, fourteenth in the long list, will be held in Ghent during summer 2010.

Incoming “Meiobenthology”

News from Prof. Olaf Giere:

“This is just to let you and the Association of Meiobenthologists know, that I have sent the complete new text and figures etc. of the second edition of my book "Meiobenthology" to the publisher, Springer-Verlag. The new volume will be clearly more comprehensive, both more pages and figures, but more importantly, also more chapters. There are for example new chapters on the meiobenthos of polar areas incl. sea ice, on meiofauna around hydrothermal vents, on mangroves or on the impact of heavy metals and pesticides. Completely new are also 41 "Boxes" which either summarize the contents of a chapter or highlight particular aspects, such as the discussion about the latitudinal gradient in meiobenthos. These boxes are kept in a more 'non-academic' style in order to catch the interest of the reader. All the figures are computer-redone, additional ones have been designed. I tried to be as actual as possible including also some 2008-publications. The reference list of >1900 citations is meant to give a
comprehensive account on the more generally relevant meiofauna literature, old and recent, American and Russian and Brazilian. Well, I did my best, but couldn't have done it without the help of many, many fellow meiobenthologists who supported me, not only with literature and other facts, but often, and sometimes more importantly, with encouragement and good wishes. Special thanks go to Bob Higgins and Bruce Coull! If Springer now manages to do their job well and publish this, as promised, still in 2008, and if the price stays reasonable, I would be happy.

New Members

Lilia Pereira de Souza Santos
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Lilia completed her Ph.D. with Jacques Castel in France and has been working with copepods ever since. Currently she is in the Oceanography Department at the University Federal de Pernambuco in Recife, Brazil studying copepod physiology and their use in aquaculture and toxicology.

Suharti has been working with Foraminifera since her graduation. She has completed her Ph.D. at Brawijaya University (Indonesia) end 2007 and her studies with benthic foraminiferans are being conducted at the Indonesian Institute for Science (LIPI) – Research Center for Oceanography.

Dr. Suharti M. Natsir,
Research Center for Oceanography,
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email: suhartinatsir@yahoo.com

Ian King,
Department of Nematology,
Boyce Hall,
UC, Riverside, CA 92521

My research interests include the ecology and systematics of free-living marine nematodes. I am interested in the potential use of nematodes as bioindicators and in biomonitoring. In previous research projects, I have studied free-living nematode populations downstream from a pulp-and-paper mill and populations in clearcut forests. Originally from Newfoundland, Canada, I am now a Ph.D. candidate in the Departments of Nematology and Biology at the University of California, Riverside, USA. My Ph.D. research focuses on nematode faunal responses to a wetland estuary restoration programme in coastal southern California.

Help Please

I am a Marine biology student at the University of San Carlos in the Philippines. My partner and I are studying meiofaunal colonization. I found out that you too are working on meiofauna. I would like to ask if anyone could share any reprints or pdf files of
This Newsletter is not part of the scientific literature for taxonomic purposes.

Katherine Grace Calayag  
Biology Department  
University of San Carlos  
Nasipit Talamban Cebu City,  
Philippines

New Books

**An annotated checklist and keys to the species of Copepoda Harpacticoida (Crustacea)**  
By John B. J. Wells  
Abstract: “A checklist of the approximately 4300 species of Copepoda Harpacticoida is presented. It is prepared according to the opinions of the latest revisers and adopts the phylogenetic system of Seifried (2003). The opportunity is taken to formally propose replacement names for preoccupied taxa (p. 14). Comments are provided on other taxonomic issues. A dichotomous key to families is followed by tabular keys to species within each family.”

**Post-Embryonic Development of the Copepoda**  
By Frank D. Ferrari & Hans-Uwe Dahms  
Summary from BRILL website: “Crustaceans that are now called copepods have been known, not necessarily by that name, since Aristotle. Published reports of their postembryonic development, however, date only from the last 250 years. This monograph is a first attempt to gather all published information about copepod post-embryonic development. Careful diagnoses of nauplius and copepodid allow comparisons of specific developmental stages among species. Changes from the last naupliar stage to the first copepodid stage are used to interpret the naupliar body. Body and limb patterning are discussed, and models of limb patterning are used to generate segment homologies for the protopod and both rami. Contributions of post-embryonic development to phylogenetic hypotheses are considered and suggestions for future studies are provided.”

Recent Literature

Global diversity of nematodes (Nematoda) in freshwater.  
Hydrobiologia 595(1):67-78

Convolutidae (Acoela) from Belize.  
Zootaxa 1479:35-66

Ahmad W. 2007. New and known species of Dorylaimoidea (Nematoda:  
Dorylaimida) from Singapore.  
Nematology 9(2):215-229

Albuquerque EF, Pinto APB, Perez ADQ, et al. 2007. Spatial and temporal changes in interstitial meiofauna on a sandy ocean beach of South America.  
Brazilian Journal of Oceanography 55(2):121-131


Nematodes from saline and
freshwater lakes of the Vestfold Hills, East Antarctica, including the description of *Hypodontolaimus antarcticus* sp. n. Polar Biology 30(6): 669-678


Bozkurt A. 2007. Two new records of harpacticoid copepods for Turkish Inland Waters (Copepoda, Harpacticoida) *Phyllognathopus viguieri* (Maupas, 1892) and *Leptocaris brevicornis* (Van Douwe, 1904). Crustaceana 80 (9): 1033-1042


de Jesus-Navarrete A. 2007. Nematodes from Isla Mujeres and Banco Chinchorro, reefs, Quintana Roo, Mexico. Revista de Biologia Marina y Oceanografia 42 (2): 193-200


de Lima, LCM; Souza-Santos, LP. 2007. The ingestion rate of Litopenaeus vannamei larvae as a function of Tisbe biminiensis copepod concentration. Aquaculture 271: 411-419


Fundamental and Applied Limnology 170: 65-75
Gagarin, VG; Serikova, MP. 2007. Description of Allodorylaimus elytrigii sp. n. (Nematoda, Dorylaimida) from the White Sea supralittoral. Zoologichesky Zhurnal 86 (2): 252-254

This Newsletter is not part of the scientific literature for taxonomic purposes.
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southeastern USA. Cahiers de Biologie Marine 48(3): 297-302
Kieneke A, Martínez Arbizu PM, Ahlrichs WH. 2007. Anatomy and ultrastructure of the reproductive organs in Dactylopodola typhle (Gastrotricha: Macrodasyida) and their possible functions in sperm transfer. Invertebrate Biology 127(1): 12-32
Kieneke A, Martínez Arbizu PM, Ahlrichs WH. 2007. Ultrastructure of the protonephridial system in Neodasys chaetonotoideus (Gastrotricha: Chaetonotidae) and in the ground pattern of Gastrotricha. Journal of Morphology 268(7): 602-613
Kihara TC, Rocha CEF. 2007. Microarthridion corbisierae sp nov (Harpacticoida, Tachidiidae), a new meiofaunal copepod from the Northern coast of São Paulo State, Brazil. Revista Brasileira de Zoologia 24(4): 907-918

This Newsletter is not part of the scientific literature for taxonomic purposes.
Zoologichesky Zhurnal 86(5): 515-525
Marotta R, Todaro MA, Ferraguti M. 2008. The unique gravireceptor organs of Pleuropodys helgolandicus
This Newsletter is not part of the scientific literature for taxonomic purposes.

(Gastrotricha: Macrodasyida)

Zoomorphology 127(2): 111-119


Nicholas WL. 2007. A new species of Trileptium (Nematoda,
Thoracostomopsidae) from a sandy beach in southeastern Australia, with a key to species and observations on geographical distribution. New Zealand Journal of Marine and Freshwater Research 41: 335-344


Pusceddu A, Gambi C, Manini E, et al. 2007. Trophic state, ecosystem efficiency and biodiversity of
transitional aquatic ecosystems: analysis of environmental quality based on different benthic indicators. Chemistry and Ecology 23(6): 505-515


Shimanaga M, Nomaki H, Iijima K. 2008. Spatial changes in the distributions of deep-sea Cerviniidae (Harpacticoida,
Copepoda) and their associations with environmental factors in the bathyal zone around Sagami Bay, Japan. Marine Biology 153(4): 493-506

This Newsletter is not part of the scientific literature for taxonomic purposes.


Editor's Acknowledgments

For their help and contribution for this number, I would like to thank Keith Walters for sending a model of Psammonalia, including the nice swimming-pool photo and comment, Jyotsna Sharma for comments on a first draft of the issue and Priscila Murolo for gathering the recent literature and for the nice composition beside.

Important Announcement

The site of IAM is being transferred to U Reno and data on members will be updated soon. We are thus requesting members to check the membership list and status on the website (http://www.meiofauna.org/membership/index.php) to see if information is complete and correct and get in touch with the Editor (pjps@ufpe.br) or the Webmaster (jeffbaguley@gmail.com) if there is a conflict.
APPLICATION FOR MEMBERSHIP OR RENEWAL

The International Association of Meiobenthologists is a non-profit scientific society representing meiobenthologists in all aquatic disciplines. The Association is dedicated to the dissemination of information by publishing a quarterly newsletter and sponsoring a triennial International Conference. The newsletter, Psammonalia, is published mid-month in January and July. Membership is open to any person who actively is interested in the study of meiofauna. Annual membership dues are EU$10 (US$10) and payment for up to 3 years in advance is possible. New members will receive Psammonalia beginning with the January issue of the year joining. Additional contributions to the Bertil Swedmark Fund, used to support student attendance at the triennial conferences, is encouraged.

Please check the appropriate boxes:

☐ New member* ☐ Renewing member ☐ Change of address
☐ Regular membership (EU$10 or US$10) ☐ Patron or Sustaining membership (EU$50 or US$50)

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City, St/Prov _____________________________ Country ____________________________

EU/US$ ______ enclosed for ____ years. (Regular member EU/US$10, Sustaining EU/US$50)

EU/US $ ______ enclosed as contribution to the Bertil Swedmark Fund.

EU/US $ ______ TOTAL

North American Members:
Dues payable in US dollars by check made payable to the Intl. Assoc. of Meiobenthologists.
Send dues and application to: Dr. Jyostna Sharma, Department of Biology, UT San Antonio, San Antonio, TX 78249-0661, USA [Jyotsna.Sharma@utsa.edu].

All Other Members:
Dues payable in Euros by check made payable to Ann Vanreusel or by credit card (see below).
Send dues and application to: Dr. Ann Vanreusel, Marine Biology Section, Ledeganckstraat 35, B-9000 Gent, Belgium [ann.vanreusel@ugent.be].

VISA/MASTER/EUROCARD number: ______________________ Expiry date: __________

Signature: __________________________________________________________________

Interests: __________________________________________________________________

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(* ) New members are encouraged to introduce yourself to members in a short bio (ca. 10 lines).