

# PSAMMONALIA

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Newsletter of the International Association of Meiobenthologists

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"This newsletter is not deemed to be a valid publication for formal taxonomic purposes"

#### EDITORIAL

Another brief editorial follows (the less time you take to read this, the more time you have to sort meiofauna samples). *Psammonalia* 82 carries the third announcement for the Seventh International Meiofauna Conference (SVIMCO), and a registration form from Rudi Novak is included as the back page. The busy holiday season is almost here, and now is the time to prepare to attend our Vienna meeting in August 1989. In other words, the February deadline for abstracts is not far away, so tear off (or photocopy) the back page and send it to Rudi.

Other information in this issue is varied. The long-awaited "Introduction to the Study of Meiofauna" edited by Bob (the TV star) Higgins and Hjalmar Thiel is now available, and details on how to purchase it are provided below. I promise this is the last time I will ever announce this book. Also papers from the Third International Copepod Conference have been published in a special issue of *Hydrobiologia* (Vol. 167/168). The citations came to me after the literature for this issue was completed and will be highlighted in *Psammonalia* 83. Tom Shirley and friends in Alaska are responsible for the cartoon.

In another matter, I am to blame for a mix-up related to the last issue. Some of you received a message incorrectly attached to the front of *Psammonalia* 81 stating your membership had expired. My LSU helpers overreacted our few late paying members, and the announcements were added to the wrong copies. I handle the membership list and expiration dates at LSU and the problem was not from your esteemed treasurer David Thistle. We still have some 26 members who have not paid 1987 dues, and they will be removed from the mailing list (please check the mailing label for your expiration date).

John Fleeger

#### NEWS FROM THE MEMBERS

From Philippe Bodin (Lab. Oceanogr. Biologique, Univ. Bretagne Occidentale

6 Ave le Gorgeu, F-29283 Brest Cedex, FRANCE):

A new edition of my "Catalogue des nouveaux Copepodes Harpacticoides marins" is now in press at the University offset printing. It will issue probably at the end of October 1988, just for the 40th anniversary of LANG'S monographie. In 288 pages it contains a complete review and updating of the previous edition (1979), with addition of around 390 new names found in 180 papers. In 1979 I had the possibility to send free copies, but unfortunately it is no longer possible and I have to sell each copy 120 FF (postage and handling included), i.e. \$ 20 or L 12 or DM 30 (?). I recently met D. Thistle and G. Schriever and they suggested to centralize orders in each country to prevent too much fees in sending money to France. So I think the best we can do, as far as possible, is to choose somebody who will be able to collect orders in each country and to send me rapidly

the list of addresses to attend to. (Editor's note, David Thistle as agreed to do this in the US. Please contact him if you are interested and he will calculate the costs.) For the future, I would ask everybody working on harpacticoid copepods to send me reprints of their publications with systematic points as soon as they appear to update this catalogue from time to time.

From Rudy Herman, Department of Zoology, Ledeganckstraat 35, B-9000 Gent, BELGIUM:

In the next months I'll be fully occupied to prepare my nearly three month cruise in Antarctic waters. I'm participating in the Benthos-program of the European Polarstern Study 'EPOS' where in Ernest Schockaert, Hans Dahms and myself will look to the meiofauna component of the ecosystem of the Weddell Sea. The EPOS program is a multidisciplinary project sponsored by the European Science Foundation through the European Polar Network. They finance the logistics (the costs of the R.V. POLARSTERN and the helicopters). The scientists of the 12 participating countries are granted by their institution or government. The aim of the study is that specialists of all kind of disciplines from different European countries will collaborate to study the Antarctic ecosystem. So, I will represent the 'Gent'-group to study the meiofauna (which seems to be enormous, diverse and beautiful, and of course not known).

Meeting Report on the 4th International Symposium on Aquatic Oligochaete Biology

From March 14-18, 1988, this triannual symposium was held at Louisiana State University in Baton Rouge, LA. All of the approximately 40 participants from all over the world (for the first time regrettably without participation from the Eastern European countries and China) enjoyed a most intense atmosphere of interesting lectures and fruitful discussions. They got also the chance to enjoy the wonderful spring flowers of Louisiana and the marvelous hospitality of the organizer, Dr. W. Harman. The scientific program focussed mainly on five topics (ultra-)structure, taxonomy and systematic, faunistical and zoogeographical aspects, pollution studies, and populations dynamics). In the field of meiobenthic studies, C. Erseus talked about 'Marine Tubificidae from Hawaii, M. Milligan about those from the coasts of Florida, and O. Giere reported about another gutless tubificid living in symbiosis with bacteria, *Inanidrilus bulbosus*, a species with a unique reproductive system. The symposium was followed by a Workshop on Oligochaete Taxonomy, held at the Mote Marine Laboratory, Sarasota, Florida, and wonderfully organized by Dr. M. Milligan. This well-attended workshop was meant to explain in detail the problems and solutions involved in taxonomical work on Freshwater Tubificidae (presented by R. Brinkhurst), Marine and Estuarine Tubificidae (C. Erseus), Naididae (R. Grimm) and Enchytraeidae (C. Coates). I think even the experienced oligochaetologists had some good use of the workshop. A field trip to the Everglades was a special highlight of these most rewarding days in Florida.

Olav Giere

#### NEW BOOK PUBLICATION

##### INTRODUCTION TO THE STUDY OF MEIOFAUNA (R. P. HIGGINS AND H. THIEL, editors)

This volume consists of fifty-four essays on the subject of microscopic benthic invertebrates, their ecology and general biology, the research methodology associated with their study, and an extensive introduction to their identification. No reprints will be produced for the authors.

An introductory section looks at the history of meiofaunal research and also at the ecology of marine and freshwater meiofauna. The methods section includes chapters on abiotic and biotic factors, sampling equipment and strategies, sample processing, organism processing, culture techniques, experimental techniques, energetics, data processing and analysis the nanobenthos. Taxonomic and curatorial considerations introduce the final section of the book, which includes treatments of thirty-eight separate taxa.

487 pages LC 88-11336 Cloth: ISBN 0-87474-1H \$39.95 (plus \$2.25 for postage and handling)

USA: Smithsonian Institution, Department 900, Blue Ridge Summit, PA 17290-0900. Credit card orders may be phoned in to (717) 794-2148.

For orders elsewhere, please contact for price and ordering information:

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#### NEW MEMBERS

David Moriarty  
CSIRO Marine Laboratories, PO Box 120, Cleveland, QLD 4163, AUSTRALIA  
Interests: Microbial ecology, meiofauna-microbial interactions

Bin Sun  
Department of Zoology, Louisiana State University, Baton Rouge, LA 70803 USA  
Interests: I am a new graduate student, recently arrived from P.R. China (Institute Oceanology in Qindao). Although my research project is not yet formulated, meiofauna community structure and the effect of macrofauna on meiofauna are interesting topics which I may pursue.

Primitivo S. Aceret  
Institute Biological Sciences, College of Arts and

Sciences, U.P. at Los Banos, College, Laguna 4031, PHILIPPINES

Interests: Marine meiobenthos; nematodes (free-living ecology and taxonomy)

Dr. Sabine Dittmann

BAF-Litoralstation, 2282 List/Sylt, Fed. Rep. Germany

Interests: "Meiobenthos (especially Plathelminthes) and infaunal interactions in the Wadden Sea kept me busy for the past years. I'll soon step into mangrove muds of Australia in search of biotic interactions in tropical intertidal sediments"

J.H. Moverley

Zoology Department, University of Tasmania, GPO Box 252C, Hobart, TASMANIA 7001

Interests: "I am undertaking my Ph. D. thesis on an investigation of the effects of organic enrichment from salmonid farms on the nematode/harpacticoid copepod community"

Shabdin Mohd Long

Marine Department, Universiti Kebangsaan Malaysia, LB 62, 88996, Kota Kinabalu, Sabah, MALAYSIA

Peter Pospisil

Institute Limnology, Austrian Academy Sciences, A-5310 Mondsee, AUSTRIA

Interests: "I am a student of Zoology at the University of Vienna, and am preparing a thesis on the groundwater meio- macrofauna of the Danube River basin in the Vienna area. My special interest is focused on groundwater cyclopoids, zoogeography and evolution of groundwater organisms. I am carrying out various experiments with groundwater Amphipoda and Isopoda, supported by Dan Danielopol.

#### CHANGE OF ADDRESS

Alan Decho

Marine Sciences Research Center, SUNY Stony Brook, Stony Brook, NY 11794, USA

John Kern

Louisiana Dept. Wildlife and Fisheries, Seafood Division, PO Box 98000, Baton Rouge, LA 70898

James A. Blake

Aquatic Research & Consulting, 24 Hitty Tom Road, Duxbury, MA 02332

#### COMING SYMPOSIA

##### INTERNATIONAL SYMPOSIUM ON THE BIOLOGY OF FREE-LIVING HETEROTROPHIC FLAGELLATES

The systematics Association will sponsor a meeting on the biology and diversity of free-living heterotrophic flagellated protists in July 1990 at the Marine Biology Station, Helsingor, Denmark.

Topics will include the systematic diversity of flagellated protozoa-with special emphasis on marine flagellates-their structure and morphological adaptation, feeding strategies, and trophodynamics. Keynote talks will be given by authorities on taxonomic groups of flagellates, by oceanographers, and by protozoologists working with free-living

flagellates in marine and other aquatic habitats. Contributed papers will also be welcomed. The contributions of the invited speaker will be published as a Systematics Association volume, and the resulting book will be an authoritative account of the general biology of free-living flagellated protozoa. If you wish to receive registration documents in Autumn 1989, please contact:  
D.J. Patterson, Zoology Department, Bristol University, Bristol BS8 1UG, England  
Telephone 0272 303030 ext. 3815

#### 11th BALTIC MARINE BIOLOGISTS SYMPOSIUM

This conference will be held 11-16 September 1989 in Szczecin, Poland and will be hosted by the Academy of Agriculture in Szczecin.

Symposium Secretariat: Institute of Fisheries Oceanography and Protection of Sea, Ul. Kazimierza Krolewicza 4., 71-550 Szczecin, Poland, Phone: 231-061, Telex 0422584 mir

TOPICS: 1. Short - and long term changes in plant and animal communities in the Baltic (related ecological theories included)

2. Levels, fluxes and effects of toxic substances in the Baltic Sea

3. Shallow water fish ecology in the Baltic

#### Sea

Papers and posters dealing with these topic are invited. Twenty minutes will be allowed for oral presentation, including discussion. A separate poster session will be arranged. Publication of symposium proceeding is planned.

LANGUAGE: The meeting will be conducted in English

ABSTRACTS: Written in English, not longer than 1 A4 page, should be submitted by 30 March 1989

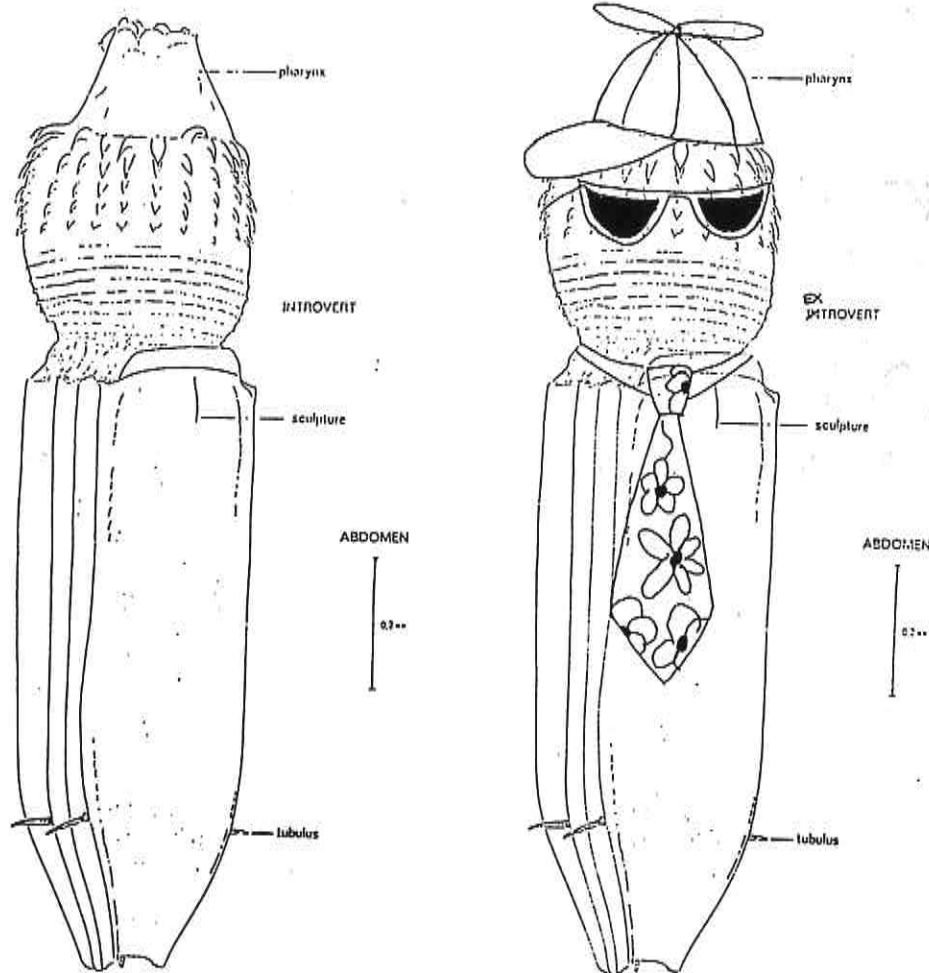
REGISTRATION: Contact the Symposium Secretariate by 30 October, 1988

#### THIRD INTERNATIONAL CRUSTACEAN CONFERENCE

This conference will be held at the University of Queensland, Brisbane, Australia, early in July 1990.

This conference will cover a comprehensive range of topics pertaining to crustacean biology and biogeography, including a section on commercial aspects/potential.

Persons wishing to obtain further information or offering suggestions for symposia are invited to write to Dr. D. Fielder, Zoology Department of Queensland, St. Lucia, Australia 4067.



Priapulus caudatus larva (latero-dorsal view)



SEVENTH INTERNATIONAL MEIOFAUNA CONFERENCE (SVIMCO 89)  
Vienna, Austria August 21-26, 1989  
Third Announcement

Topics:

- 1) Adaptations of meiofauna to environmental gradients: marine/freshwater, oxic/anoxic, microenvironments and microzonation, rapid temporal changes
- 2) Faunistics: new types, new insights into phylogeny, new and interesting aspects of biogeography
- 3) Role of meiobenthos in specific processes: decomposition, remineralisation, microbial interactions
- 4) Meiofauna organisms in trophic webs: comparison of trophic relationships in marine, freshwater and groundwater situations, methods for tracing trophic relationships

Applications:

The application form (see page 12 of this issue) should be sent to R. Novak before February 1st, 1989. Further communication concerning the meeting will only be directed to colleagues who have definitely indicated their participation by this time.

Contributions:

The duration of oral contributions should be about 10 to 20 min. Depending on the number of contributions, we will be able to allow a certain degree of flexibility in order to provide ample time for discussion.

Poster contributions: There will be plenty of space for poster presentations (90x135 cm / poster). We would strongly recommend that taxonomic contributions be presented in poster form.

Abstracts (~350 words max.) should be typewritten and sent together with the application form.

Presentation facilities: Overhead projection, slide projection (24x36mm), 16mm movie projection, U-Matic and VHS video systems (PAL!).

Publication of contributions: Selected papers can be published either in *Stygologia* or in *P.S.Z.N.I.: Marine Ecology* after normal review. Manuscripts should be provided at the Conference.

The conference fee will be U.S. \$50 for active participants and U.S. \$30 for accompanying persons.

Accommodations: It is planned to accommodate all participants in student rooms at the Hotel Haus Dobling (about 20 min. walking distance from the Bio-Centre, \*\* category). For 2- and 3-bed rooms A.S. 240 (~U.S. \$18.50) will be charged per person/day (including breakfast); the surcharge for a single room is A.S. 50 (~U.S. \$3.90). Accommodation in hotels in the vicinity of the institute is also possible upon request. Prices for hotel rooms are about A.S. 570 to 1000 (U.S. \$44-77) for a single, A.S. 780 to 1500 (U.S. \$60-115) for a double room/day (incl. breakfast).

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APPLICATION FORM

SVIMCO 89  
Vienna, Austria  
August 21-26, 1989

I will attend the Conference and wish to receive further communications.

NAME

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presumably accompanied by .....person(s)

Type of accomodation I would prefer:

☐ Hotel ☐ Student room

I would like to contribute

- ☐ a poster
- ☐ a short presentation of my current research  
(10 min. excl. discussion)
- ☐ a more formal paper (20 min., excl. discussion)

Title of contribution(s)

I would like to lead a discussion group or workshop session and open it with a formal contribution. Suggested theme.

I will participate in the workshop on groundwater fauna (organized by Dan Danielopol)

☐ Yes ☐ No

Send before February 1, 1989 to

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