

# PSAMMONALIA

Newsletter of the  
International Association of Meiobenthologists

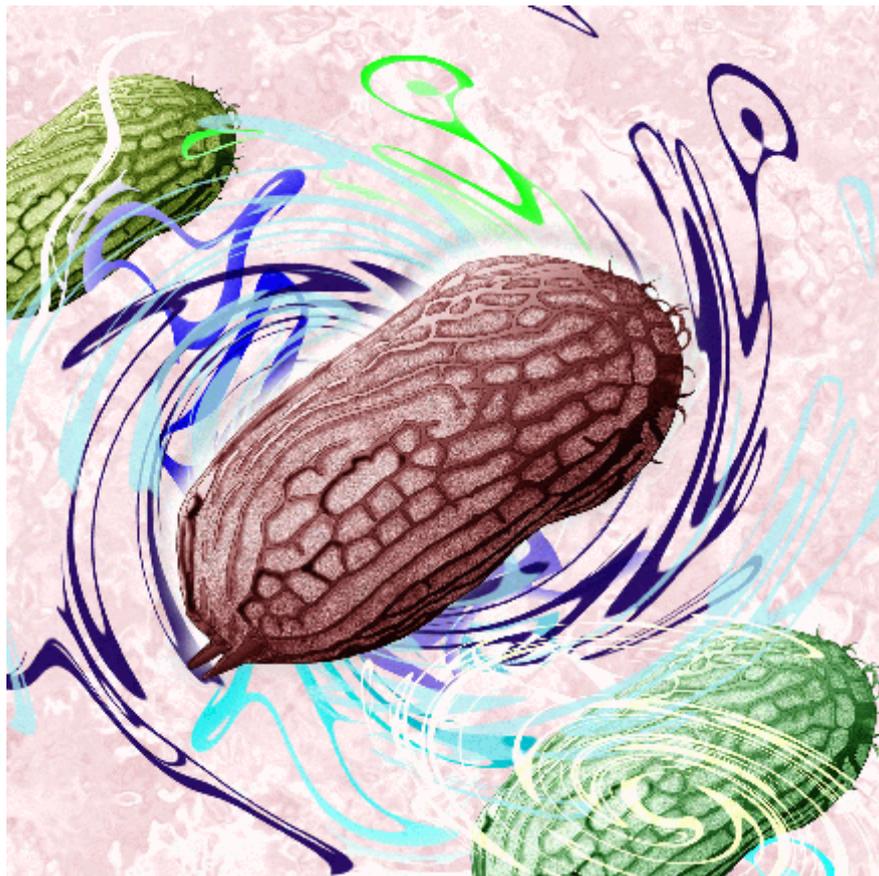
Number 130, February 2001



Composed and Printed at Seto Marine Biological Laboratory,  
Kyoto University  
Shirahama cho, Wakayama Prefecture, 649-2211, Japan

---

## Micro peanuts?



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

Editor: Yoshihisa Shirayama  
email address : Yshira@seto.kyoto-u.ac.jp

*Executive Committee*

**Yoshihisa Shirayama**, Chairperson

**Magda Vincx**, Past Chairperson, *Lab. Morfologie, Universiteit Gent, Ledeganckstraat 35, B-9000 Gent, Belgium*

**Ann Vanreusel**, Treasurer, *Lab. Morfologie, Universiteit Gent, Ledeganckstraat 35, B-9000 Gent, Belgium*

**Robert Feller**, Assistant Treasurer and Past Treasurer, *Belle Baruch Institute for Marine Science and Coastal Research, University of South Carolina, Columbia SC 29208, USA*

**Gunter Arlt**, Term Expires 2001, *Rostock University, Department of Biology, Rostock D18051, GERMANY*

**Teresa Radziejewska**, Term Expires 2001, Department of Oceanography, Agricultural University, ul. Kazimierza Krolewicza 4, 71-550 Szczecin, Poland

**David Thistle**, Term Expires 2004, *Department of Oceanography, Florida State University, Tallahassee, FL 32306-3048, USA*

**Guy Boucher**, Term Expires 2004, *URA 699 CNRS, Biologie des Invertébrés Marins MNHN, Pavillon Chevreur 57, Rue Cuvier 75005, Paris, France*

*Ex-Officio Executive Committee (Past Chairpersons)*

Robert P. Higgins, Founding Editor, 1966-67

John S. Gray 1970-71

Bruce C. Coull 1974-75

William D. Hummon 1978-79

Carlo Heip 1982-83

John W. Fleeger 1987-89

Paul A. Montagna 1993-1995

W. Duane Hope 1968-69

Wilfried Westheide 1972-73

Jeanne Renaud-Mornant 1976-77

Robert P. Higgins 1980-81

Olav Giere 1984-86

Richard M. Warwick 1990-92

Magna Vincx, 1996-1998

*Board of Correspondents*

**Bruce Coull**, *School of the Environment, University of South Carolina, Columbia, SC 29208 USA*

**Dan Danielopol**, *Austrian Academy of Sciences, Institute of Limnology, A-5310 Mondsee, Gaisberg 116, Austria*

**Roberto Danovaro**, *Facoltà de Scienze, Università di Ancona, ITALY*

**Andrew Gooday**, *SOC Empress Dock Southampton, UK*

**Duane Hope**, *Department of Invertebrate Zoology, National Museum Natural History, Smithsonian Institution, Washington, DC 20560, USA*

**Tom Moens**, *University of Gent, Marine Biology Section, K.L. Ledeganckstr. 35, B-9000 Gent, BELGIUM*

**Alex V. Tchesunov**, *Dept. Invertebrate Zoology, Biology Faculty, Moscow Lomonosov State Univ., Moscow 119899, RUSSIA*

**Zhang Zhinan**, *Department of Marine Biology, Ocean University Of Qindgao, Qindgao, Shangdong, PEOPLES REPUBLIC OF CHINA*

**Susetiono**, *RD centre for oceanology, Indonesian institute for sciences, Jakarta, Indonesia*

You may make your donations to the *Bertil Swedmark Fund* directly to the IAM bank account (account number 6586667) of the Lloyds Bank (Sort code 30-96-68), 8 Royale Parade Plymouth PL1 1HB, UK.

**EDITORIAL BOARD**

Motohiro Shimanaga, Yoshihisa Shirayama



## EDITORIAL

Dear members.

Recently very controversial news arrived. Through some mailing list, establishment of the International Society of Environmental Micropaleontology, Microbiology and Meiobenthology (abbreviation ISEMMM) was announced (details are printed in elsewhere in this issue). Many of you may receive the same e-mail sent by Prof. Valentina Yanko-Hombach of Avalon Institute of Applied Science. She is President & Executive Director of the institute, and will be the first president of the society. This announcement was distributed widely without any prior notice to our association. Though our association has more than 30 years history, people of ISEMMM completely disregarded the presence of our association. Bruce Coull kindly tried to teach about us, but their reply was extremely defensive. At least, Bruce invited the president to participate in ELIMCO.

So what should we do? Should we need to take any action against them? Executive committee certainly will discuss on this issue at the meeting in ELIMCO. To make the discussion better, I would ask all member of IAM (not ISEM3) to send me your opinion. In addition, this matter should be discussed seriously in the business meeting of ELIMCO. So far, the business meeting in our conference has been only a formal approval of the decision made by executive committee. But in our next meeting, let us make our discussion more active and substantial. To realize this, please come to Boston in July. The application form is attached again in this issue. See you soon.

## ELIMCO NEWS

Conference planner Paul Montagna reminds everyone of the upcoming 11th International Meiofauna Conference (ELIMCO) to be held in Boston, Massachusetts, USA, July 16 - 20, 2001. The conference is the formal conference for IAM and is held every third year only. The program this year looks to be an interesting one, constructed around several topical themes. The venue, Boston, will provide everyone with an opportunity to visit a fun city in the US known for great food and evening entertainment. Being one of the oldest cities in the US, Boston also has historical significance, which will lend added interest to your visit. Do register on time, the deadline for abstracts, reservations, and fees in April 1, 2001. Make your airline registrations well in advance also. Air travel in the US was very difficult last summer, with many delays and cancelled

flights, so if given a choice book the earlier flight or come a day earlier. Book flights early and include a Saturday night stay-over for the best prices. They will likely increase dramatically very soon (if they haven't already). Details for the conference are attached to the end of this issue of Psammonalia, and of course is available electronically on the IAM website

<http://www.mtsu.edu/~kwalt/meio/meeting.html>.

## Annual dues

Please pay your annual dues for the year 2001 immediately. Your payment status in February 2001 is shown on the address label of this issue. I also strongly recommend you to pay 3 years in advance when you attend ELIMCO so as to secure your subscription until our next conference in 2004 in somewhere as nice as Boston.

## ANNOUNCEMENTS

### Meetings

#### Fourth International Congress of Nematology

The International Federation of Nematology Societies (IFNS) is pleased to announce the Fourth International Congress of Nematology (FICN) to take place at the Tenbel Resort in Tenerife (Canary Islands, Spain) June 8 - 13, 2002.

#### Scientific Program

The FICN Program Committee is currently consulting nematologists throughout the world to advise and suggest relevant and current themes and topics. We are taking particular note of suggestions provided by Councilors of the IFNS, and many members of the 14 affiliated Nematology Societies, to whom we are grateful. Incorporating these ideas, the Committee is taking a fresh approach to develop the themes under which the scientific program will be arranged. Within these themes, the scientific program will consist of 4 full days of scientific sessions, with an Opening Plenary session, Symposia, Colloquia, Discussion sessions, and offered papers arranged in 4 poster sessions. Abstracts of offered papers (poster presentations) will be accepted between December 1st, 2001, and March 1st, 2002.

#### Accommodation

The Tenbel resort is a large hotel complex held in an extensive tropical garden setting. For a brief description of the facility see the web site at [www.tenbel.com](http://www.tenbel.com) or write Tenbel Turismo, E - 38631 Las Galletas, Arona, Tenerife, Spain

The FICN has reserved a range of accommodations for

the Congress participants, from apartments with patio overlooking the Atlantic Ocean (\$ 60 per person - breakfast included), to less luxurious but very comfortable rooms (\$ 30 per person - breakfast included). Details of all available accommodations will be posted on the IFNS web site at [www.ifns.org](http://www.ifns.org) and participants will make their own reservation after December 1st, 2001, by contacting Mrs. Ana Gonzalez, Head of the Registration Department, Tenbel,E - 38631 Las Galletas, Arona, Tenerife, Spain, or by Email at [sales@tenbel.com](mailto:sales@tenbel.com) or Phone 34 922 73 14 39 or Fax 34 922 73 12 59.

#### Registration

The Chair of the Local Arrangement Committee is Dr. Maria Arias, President of the European Society of Nematologists. Registrations to the FICN will be accepted from December 1st, 2001. Registration fees will be \$ 300 when received before March 1st, 2002 - \$ 400 between March 1st and May 25, and \$ 500 after May 25 and on site. Students will register for half of those amounts with a signed statement from their supervisor. Registration fees for spouses or accompanying persons will be \$ 100 when received before March 1st, 2002 - \$ 125 between March 1st and May 25, and \$ 150 after May 25 and on site.

You will be able to obtain registration forms from the IFNS web site at [www.ifns.org](http://www.ifns.org) or from Dr. Maria Arias, FICN Local Arrangement Chair, CSIC Centro de Ciencias Medioambientales, Serrano 115 DPDO, Madrid 28006, Spain.

#### Position available

##### **Program Coordinator Hood Coastal Studies Semester**

Hood College is creating an interdisciplinary travel semester in marine and environmental studies that is designed to establish a close-knit, motivated learning community for common intellectual experiences. The program will begin in January 2002 in South Florida. Students and faculty will travel northward along the Atlantic coast during the semester, stopping at several marine laboratories and field sites, staying for intervals of several days to several weeks at each. The program will culminate at Hood College in Frederick, MD. Students will enroll in 4 interrelated courses for the semester: Coastal Oceanography, Aquatic Ecology, Environmental Literature and Policy, and The Chesapeake Bay: Human Impact on a Natural System.

Interactions with scientists, authors, and other environmental professionals in the region will augment class discussions, lab investigations and fieldwork. An interdisciplinary research practicum will weave together scientific, historical, and cultural threads to act as a unifying element for the semester-long experience.

POSITION RATIONALE/SUMMARY: The Program

Coordinator will help to manage all aspects of this residential field program that focuses on undergraduate education through participation in an interdisciplinary curriculum emphasizing critical environmental issues.

Areas of responsibility include:

program design, and implementation; recruitment of students; travel logistics; financial management; risk management; and establishing and maintaining working relationships with marine laboratory staff, scientists, and resource managers. During the planning and recruitment phases of the program, the Coordinator will be located on the Hood College campus in Frederick, MD. However, during the Spring 2002 semester the Coordinator will travel with students and faculty and take part in all aspects of the program. The Coastal Studies Semester will immerse a small group of students and staff in a purposeful learning/living situation. Because program staff and students live on site during the travel semester, there will be much opportunity of both formal and informal interaction. The coordinator will get to know both faculty and students on a level not often achieved in a conventional college setting. The Program Coordinator is a one-year, terminal position.

QUALIFICATIONS: Minimum: Masters degree in marine/environmental science.

Important Attributes: field research experience; college-level teaching and/or interdisciplinary curriculum development experience; program management expertise, budget and risk management experience, involvement in environmental issue-driven projects; experience living/working in focused, small-group situations.

ANTICIPATED START DATE: June, 2001

APPLICATION PROCEDURE: Qualified candidates may apply by submitting resume/CV and cover letter outlining relevant experiences along with 3 letters of references to the Department of Human Resources, Room 312, Alumnae Hall, 401 Rosemont Avenue, Frederick, Maryland 21701. E-mail address is [reeves@hood.edu](mailto:reeves@hood.edu), or fax is (301) 696-3880. Hood College subscribes to a policy of hiring only individuals legally eligible to work in the United States. Women and minorities are encouraged to apply. EOE

#### Internship Opportunities

The Center for Tropical Research (CTR) is one of six research centers at Mote Marine Laboratory. Research at the CTR centers on coral physiology, environmental biology, diseases and reef restoration. Because of its focus on coral and reef biology, the CTR is located in the Florida Keys, ~24 miles from Key West. The remaining Centers are located at the main Campus in Sarasota, FL. In addition to research by Mote scientists, the CTR hosts visiting scientists and educational groups.

Internships are 4 months long (see below) and designed to provide advanced undergraduates, recent graduates and graduate students with practical marine science skills. The CTR has an immediate opening for an intern with an interest in aquarium and seawater system technologies. The intern will be responsible for maintaining coral culture aquaria, setting up and maintaining a mini-reef system and operating the seawater system. Other duties include assisting with research projects, serve as librarian and helping with general facility operations. Interns are also expected to develop a project of their own.

Requirements: Basic course work in biology and chemistry, CPR and First Aid certification is required. Advanced course work and boat handling experience desirable. Although SCUBA certification is NOT required, interns desiring to participate in SCUBA activities must be able to meet American Academy of Underwater Sciences (AAUS) standards. Fieldwork is limited during the winter months. An apartment is provided which may be shared with other interns and/or graduate students.

Additional information on the CTR and current projects may be obtained from our Website: <http://www.mote.org/~emueller/ctrhome.phtml>

Application materials should be requested from Andrea Davis, Mote Marine laboratory Intern Coordinator, at: 1 (800) 691-6683 or email: [adavis@mote.org](mailto:adavis@mote.org)

#### Internship Period

3 January - 30 April; 1 May - 31 August; 1 September - 20 December

### Interesting websites

#### ETI

ETI (the Expert Center for Taxonomic Identification, Amsterdam, The Netherlands) would like to point your attention to its online taxonomist directory, the World Taxonomist Database. The WTD allows you to quickly find colleagues by their name, institute or taxonomic specialization. The database is found at:

<http://www.eti.uva.nl/database/WTD.html>

So far over 1700 taxonomists have registered. However, we depend on your cooperation to make it really work. Please register and notify your colleagues of this service. If all taxonomists participate, we will have a wonderful, up-to-date directory!

Ruud Altenburg

ETI - Expert Center for Taxonomic Identification

<http://www.eti.uva.nl/>

#### MarLIN

The Marine Life Information Network for Britain and

Ireland -Information to support marine environmental management, protection and education.

MarLIN is an initiative of the Marine Biological Association of the United Kingdom in collaboration with major holders and users of marine biological data and information. MarLIN is a Web based programme providing desktop access to a wealth of quality information.

Currently [www.marlin.ac.uk](http://www.marlin.ac.uk) provides:

- \* A comprehensive catalogue of Marine Life Surveys\*
- Basic information pages for over 80 marine species\*
- Full sensitivity and recover ability information for 80 species\*
- Access to marine life survey data
- \* Reports and Newsletters available for download
- \* Links to national recording schemes
- \* A comprehensive links section
- and much more

Now MarLIN needs your help! The Web site has been developing for some 2years now, and is in need of your feedback in order to improve the structure and appearance of the site.

Please take the time to look at the site and fill out the online feed back form.

Please help us to create a better resource for the marine community.

[www.marlin.ac.uk](http://www.marlin.ac.uk)

The Marine Biological Association of the UK

Registered Charity No. 226063

#### IBSS

On address [www.ibss.iuf.net/links/mars/](http://www.ibss.iuf.net/links/mars/) You may found information about Institute of Biology of the Southern Seas - one of the oldest (was created in 1871) marine station in Europe - placed on beach of the Black Sea.

Please take time to have a look at the site and If you have any ideas or proposals about research cooperation or investigation of the Black Sea biodiversity - Welcome to IBSS.

I look forward to your comments too

Regards

Alexey Zapevalin

#### MareNet

welcome to MareNet the worldwide Network of Marine Research Institutions and Documents.

Mare Net provides a set of online information services which enable marine scientists to keep in touch with the worldwide marine science community and to receive all specific information she or he may need.

You will find Marenet at <http://marenet.uni-oldenburg.de/MareNet/> or much easier at <http://www.marenet.de>.

A short description of some MareNet-services:

MareInst - Marine Research Institutions - offers a set of lists of links to the servers of currently more than 400 institutions and departments of universities related to Marine and Earth Science, ordered by continent, country and town.

MareDoc - Marine Research Documents - provides lists of links to document sources of worldwide distributed Marine Research Institutions. Such document sources are for example preprints, research reports, annual reports, lecture notes, and list of publications of local research groups and individual scientists.

Marine and Earth Science Dataservices give access to worldwide distributed oceanographic data collections by listing links to Databases, -Centres, Programs and Initiatives. Utilities for calculating, graphing and mapping oceanographic data are given as well.

These services are complemented with a HARVEST-based search engine.

In addition MareNet offers lists of online available Marine and Earth Science Journals, links to various related Jobs and Conferences sites, and a link collection to other sources of Marine Science and further disciplines on the Web.

We know that many of our lists are surely incomplete.

We are always searching for people to maintain the national link-lists and help us to keep the lists up-to-date. Feel free to send us an email ([marenet@marenet.uni-oldenburg.de](mailto:marenet@marenet.uni-oldenburg.de))

or contact us via the MareNet-Upload form (<http://marenet.uni-oldenburg.de/MareNet/upload.html>)

if you have any comments or questions or you know further sites, which should be listed in MareNet or if you are interested to join the MareNet-Crew.

We would be very glad if you add a link to the MareNet site (<http://marenet.uni-oldenburg.de/MareNet/>) on your departments link list and if you inform your colleagues about MareNet.

Please have a look on the MareNet-sites for more detailed information, e.g. how to contribute to MareNet and how to become a member of MareNet.

Best Regards,  
the MareNet-Crew

Prof. Joerg-Olaf Wolff, German Society for Marine Research

Michael Hohlfeld, Institute for Science Networking

## New Societies

### The European Society of Limnology and Oceanography

The European Society of Limnology and Oceanography (ESLO) is presently being formed as a non-profit organization that will be an individual membership based society with dues collected from its members to support

the activities of the society. The membership of the organization will be primarily from the European Continent, although members from other countries are welcome.

Purpose of the organization

The purpose of the European Society for Limnology and Oceanography is to promote multidisciplinary research across the range of aquatic sciences and to provide a forum for communication for European limnologists and oceanographers. This will be accomplished through organization of high quality scientific meetings in Europe and WWW activities to facilitate communication between limnologists and oceanographers.

Why do we need another scientific society?

There is currently no scientific society that represents the interests of limnologists and oceanographers in Europe. The closest related organization, the American Society of Limnology and Oceanography (ASLO), has 17% of its membership from Europe and at ASLOs recent Aquatic Science meeting in February 1999, 15% of the abstracts originated from European countries. There is a real need for regular high quality scientific meetings to meet the needs of European limnologists and oceanographers.

Why put limnology and oceanography together?

In 1948 marine scientists were included into the Limnological Society of America to form the modern day ASLO. The idea was that since inland waters and oceans are both part of the aquatic continuum both disciplines would benefit by shared knowledge of the fundamental principles and processes. In 1956, ASLO President Alfred Redfield said "Just as it had been accepted from the start that students of the biological, chemical and physical aspects of limnology had much to gain by association, so it was soon realized that the differences between fresh and salt water systems were trivial, when compared to the common principles with which limnologists and oceanographers alike are concerned" (Limnology and Oceanography 1:1). This is still true today.

Organization and Governance

ESLO is an organization that is in its early stages of formation. The efforts to organize ESLO are being led by Daniel Conley ([dco@dmu.dk](mailto:dco@dmu.dk)) and Peter Kofoed Bjornsen ([pkb@dmu.dk](mailto:pkb@dmu.dk)) at the National Environmental Research Institute in Roskilde, Denmark.

### International Society of Environmental Micropaleontology, Microbiology and Meiobenthology

Do we need yet another professional organization? Yes! When seen in a historical context, the International Society of Environmental Micropaleontology, Microbiology and Meiobenthology (abbreviation ISEMMM) is forming at exactly the right time. Driven by concerns ranging from pollution to global climate change, the last decade has seen increasing emphasis on the environmental sciences. Academic departments

in the earth, chemical, engineering, and biological sciences are reorganizing in response to this trend, and many researchers have shifted their emphasis in response to new funding and employment opportunities presented by these changes. The result is a rapidly expanding field in need of an organizational framework. ISEMMM can provide that framework according to the opinion of many scientists who attended the two International Conferences "Application of Micro- and Meioorganisms to Environmental Problems?". I would like to announce that the ISEMMM has officially been founded. The society has a newsletter, it will have its own scientific journal "Environmental Micropaleontology, Microbiology and Meiobenthology".

The Internet address of the ISEMMM is <http://www.isemmm.org>. The webpage is under construction. The Membership Form will be available via Internet in mid-February. The ISEMMM will continue the series of international conferences which have already been held in 1997 and 2000. The next conference will be the ISEMMM Congress. It will be held on September 1-6, 2002, and our host will be the Paleontological Institute, Vienna, Austria, with Dr. Johann Hohenegger as president. I take pride that I could participate in the birth of this organization through my activities as the president of the two previous international conferences, and I have gratefully accepted my election to serve as The society first president. Please allow me to remind you that all professional organizations are more than the sum of their members, but depend on the dedication and willpower of the members to let the Society grow. We, the initially elected officers, count on your support!

#### Overview of International Society of Environmental Micropaleontology, microbiology and Meiobenthology Introduction

The ISEMMM was established after the Second International Conference "Application of Micro-and Meioorganisms to Environmental Problems", which was held in Canada (Winnipeg) in 2000. It was the second in a series of conferences. The first was held in Israel (Tel Aviv) in 1997. Micro paleontologists, microbiologists and meiobenthologists from about 70 countries participated in both conferences. The goal of these conferences was to present innovative multidisciplinary research in micro- and meioorganisms (e.g., bacteria, foraminifera, ostracoda, radiolaria, diatoms, calcareous nanoplankton, dinoflagellates, pollen and spores); to demonstrate their significance in solving environmental/ paleoenvironmental problems in the fields of biosciences, geosciences, environmental sciences, and agriculture; and to bridge the technology gap between science, industry, and regulators. Many participants expressed an interest in forming a joint society, in which specialists in geology, biology, agriculture, etc., would be able to coordinate their scientific activities, forums, journal publication, training programs, projects, etc., in the application of traditional micropaleontology, microbiology and meiobenthology to

environmental issues and problems, to this end, an Ad Hoc founding committee was formed; it comprises a group of internationally known scientists - the founders of ISEMMM.

The ISEMMM was incorporated as a professional non-profit organization in 2001, registered in Winnipeg, Canada. As a not-for-profit organization, all of the ISEMMM activities are performed by members in a voluntary capacity, with support from a small professional staff.

#### Objectives

The main objectives of ISEMMM are:

To encourage innovative multidisciplinary research on recent and fossil micro- and meioorganisms, addressing environmental/paleoenvironmental problems in the biological, geological, and environmental sciences, as well as in agriculture and industry.

To bring together specialists with biological and geological backgrounds for the enhancement of professional and public educational programs and research benefitting the environment, human health and welfare.

To increase public awareness of the importance and value of recent and fossil micro- and meioorganisms in the environmental sciences, in order to bridge the gap between science, industry, and regulatory environmental agencies. It is hoped that ISEMMM, by having its own scientific journal, newsletter, professional and public training programs, continuing education, and biannually convening congresses, will advance and stimulate multidisciplinary research and education in environmental microbiology, micropaleontology and meiobenthology (EM3 disciplines) as well as encourage public interest and support. ISEMMM will promote relations with governments and other professional bodies worldwide in support of its members and the EM3 professions.

(The announce is too long to be printed all. Those who are interested in detail, contact with their address.)

For more inquiries, please respond to this announcement by mail: ISEMMM, P.O.Box 60013, 110-2025 Corydon, Winnipeg, MB R3P 2G9, Canada; tel: +1 (204) 489 4569; fax: +1 (204) 489 5782; or e-mail: [valyan@avalon-institute.org](mailto:valyan@avalon-institute.org) We are looking forward to hearing from you.

Valentina YANKO-HOMBACH  
Professor and President

#### News from our member

The Second International Conference " Application of Micro-and Meioorganisms to Environmental problems". This Conference was organized by Avalon Institute of Applied Science Inc.(Canada), BioDigestor

Technologies Inc. (USA), University of Angers (France). The Avalon Institute of Applied Science Inc. is serving the needs of industries and governments to conduct applied research, training and consulting in the field of geosciences, biosciences and agriculture, preferably those applicable to improvements of the environment. BioDigestor Technologies Inc. designs, builds, operates and maintains automated biological waste management systems for pollutional control. The Geological Laboratory of the University of Angers is currently pioneering work in pollution monitoring based on morphological features of microorganisms related to biomineralisation processes. All these organizations were the sponsors of this Conference. The previous Conference was held in Israel in 1997. The aim of this (second) meeting was to present the results of innovative multidisciplinary research of scientists from 21 countries in micro- and meioorganisms, to show their significance in solving environmental/paleo-environmental problems in the environmental sciences and agriculture.

(See the announcement of ISEMMM; this news was prepared by Tereza, thanks)

### Address changes or New e-mail information

#### Tapas Chatterjee

Indian School of Learning, I.S.M. Annexe., Dhanbad 826004, Jharkhand, Email: drtapas@hotmail.com

#### Manuel Cruz P.

manuelcruzp47@ecuabox.com (personal)  
biologia@inocar.mil.ec (my institution, my work)

#### Nazan Atilla

Louisiana Universities Marine Consortium, DeFelice Marine Center, 8124 Hwy. 56, Chauvin, LA 70344, USA, E-mail: Natilla@lumcon.edu

#### Mitchell J. Weiss

51-B Phelps Avenue, New Brunswick, New Jersey 08901, U.S.A., e-mail: weissmj@rcn.com

#### Thomas Gabor Buchholz

University of Vienna, Institute of Ecology and Conservation Biology, Marine Biology, Althanstr. 14, A -1090 Vienna, Austria  
Tel.: ++43 +1 4277 54456; FAX : ++43 +1 4277 9542 e-mail: thomas.buchholz@gmx.net  
<http://www.univie.ac.at/marine-biology>

### RECENT LITERATURE

(To make this section as complete as possible, please do not forget sending literature information via e-mail to the editor when you publish papers.)

Shimanaga, M., Kitazato, H and Shirayama, Y (2000) Seasonal patterns of vertical distribution between

meiofaunal groups in relation to phytodetritus deposition in the bathyal Sagami Bay, Central Japan. *J. Oceanogr.*, 56, 379-387.

D'Addabbo, MG, D'Addabbo, R and de Zio Grimaldi, S (2000) Redescription of *Batillipes dicrocerus* Pollock, 1970 and revision of the genus *Batillipes* (Tardigrada, Heterotardigrada). *Zool. Anz.*, 239, 329-339.

Vanhole, S, Beghyn, M, Van Gansbeke, D, Bullough, LW and Vincx M (2000) A seasonally varying biotope at Signy Island, Antarctic: implications for meiofaunal structure. *Mar. Ecol. Prog. Ser.*, 202, 13-25.

Bello, G and de Zio Grimaldi S (1998) Phylogeny of the genera of the Stygarctidae and related families (Tardigrada: Heterotardigrada). *Zool. Anz.*, 237, 171-183.

Gallo D'addabbo, M, de Zio Grimaldi S, de Lucia Morone, MR, Pietanza, R, D'addabbo, R and Todaro MA (1999) Diversity and dynamics of an interstitial Tardigrada population in the Meloria Shoals, Ligurian Sea, with a redescription of *Batillipes siilis* (Heterotardigrada, Batillipedidae). *Ital. J. Zool.*, 66, 51-61.

de Zio Grimaldi S, Lamarca, A, Gallo D'addabbo, M and Pietanza, R (1999) Florarctinae of Asdhu Island, Maldives, Indian Ocean (Tardigrada, Heterotardigrada). *Ital. J. Zool.*, 66, 383-391.

Gallo D'addabbo, M, de Zio Grimaldi S and D'addabbo, R (2000) *Pseudostygarctus apulae* (Tardigrada, Heterotardigrada): a new species from the lower Adriatic Sea. *Ital. J. Zool.*, 67, 125-128.

de Zio Grimaldi S, Lamarca, A, Gallo D'addabbo, M and Pietanza, R (2000) Two new sub-Antarctic echiniscoididae from Marion Island (Heterotardigrada, Echiniscoidea). *Ital. J. Zool.*, 67, 221-228.

Elena, F, Faienza, MG, de Zio Grimaldi S, Tongiorgi, P and Balsamo, M (1999) Marine gastrotrichs from the Tremiti Archipelago in the southern Adriatic Sea, with the description of two new species of *Urodasya*. *Ital. J. Zool.*, 66, 183-194.

Gallo D'addabbo, M, Pietanza, R., D'addabbo, R, De Lucia Morone and de Zio Grimaldi, S (1999) A redescription of *Actinarctus doryphorus* (Tardigrada, Heterotardigrada). *Cah. Biol. Mar.*, 40, 21-27.

**International Association of Meiobenthologists**

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 February, May, August and November.

Membership is open to any person who is actively interested in the study of meiofauna. Annual membership dues are 10 euro (\$ 10 US) and you may pay up to 3 years in advance, i.e. 30 euro (\$30). New members will receive *Psammonalia* beginning with the February issue of the current year. If you are able, please add extra money to be contributed to the Bertil Swedmark Fund, which is used to help students or others who wish to attend the triennial International Conference.

Please check appropriate boxes:

- New member (\*)    
  Renewing member 10 euro or \$10    
  Change of address  
 Regular membership 10 euro or \$10    
  Patron or Sustaining membership 50 euro or \$50

I want to receive PSAMMONALIA by    
  Air mail (paper copy)    
 OR    
  E-mail

Name \_\_\_\_\_

Address \_\_\_\_\_  
 \_\_\_\_\_

City, St/Prov \_\_\_\_\_  
 Zip \_\_\_\_\_ Coutry \_\_\_\_\_

Telephone \_\_\_\_\_ FAX \_\_\_\_\_

E-mail address \_\_\_\_\_

euro/ \$ \_\_\_\_\_ enclosed for \_\_\_ years. Regular member at 10 euro or \$10 /year. Patron or Sustaining member at 50 euro or \$50/year.

euro/ \$US \_\_\_\_\_ enclosed to contribute to the Bertil Swedmark Fund.

euro/ \$US \_\_\_\_\_ TOTAL

VISA/MASTER/EUROCARD number \_\_\_\_\_ Expiry date \_\_\_\_\_

Signature \_\_\_\_\_

For **North American members** : dues can be paid in US dollars. Make checks payable to Intl. Assoc. of Meiobenthologists. Send dues and applications to: Dr. Robert Feller, Belle W. Baruch Institute, Univ. of South Carolina, Columbia, SC 29208 USA

For **all other members** : dues can be paid in euro.. Make (euro)checks payable to Ann Vanreusel. If possible make use of the credit card transaction possibilities. Send dues and applications to : Dr. Ann Vanreusel, Marine Biology Section, Ledeganckstraat 35, B-9000 Gent , BELGIUM

(\*) New members please introduce yourself in 10 lines International Association of Meiobenthologists

