DONT FORGET TO RENEW YOUR MEMBERSHIP IN IAM!

THE APPLICATION CAN BE FOUND AT:

http://www.meiofauna.org/appform.html

This newsletter is mailed electronically. Paper copies will be sent only upon request.
Ex-Officio Executive Committee (Past Chairpersons)

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<tr>
<th>Years</th>
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<td>1968-69</td>
<td>W. Duane Hope</td>
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<td>1970-71</td>
<td>John Gray</td>
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<td>1972-73</td>
<td>Wilfried Westheide</td>
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<td>1974-75</td>
<td>Bruce Coull</td>
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<td>1976-77</td>
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<td>1982-83</td>
<td>Carlo Heip</td>
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<td>1984-86</td>
<td>Olav Giere</td>
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Board of Correspondents

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This Newsletter is not part of the scientific literature for taxonomic purposes
through the journal web page
http://www.frontiersin.org/Marine_Systematics_and_Taxonomy/about

Nematode designing

Open Worm is an open source project dedicated to creating a virtual C.elegans nematode in a computer. It aims to build the first comprehensive computational model of C.elegans, a microscopic roundworm. With only thousand cells, it solves basic problems such as feeding, mate – finding and predator avoidance. Despite being extremely well studied in biology, this organism still eludes a deep, principled understanding of its biology.

People used a bottom-up approach, aimed at observing the worm behavior emerge from a simulation of data derived from scientific experiments carried out over the past decade. To do so we are incorporating the data available in the scientific community into software models.

Please follow the link for deeper understandings http://www.openworm.org/index.html

Books at a glance

Proceedings of the Biological Society of Washington

This special issue of the Proceedings of the Biological Society of Washington is dedicated to the ‘‘Fifteenth International Meiofauna Conference (FiftIMCo)’’ and contains 18 selected papers in two sections: I) ‘‘Biodiversity of Meiofauna’’ with ten papers, and II) ‘‘Invertebrate fauna from Korea’’ with eight papers.

The papers presented in this issue represent the first collective publication of proceedings of a meeting of the International Meiofauna Conference since its inception in 1969.

Hand Book of Zoology: Nematoda

Overview
• Comprehensive account of the morphology, ecology, phylogeny and diversity of the Nematoda.

• Taxa with important roles as parasites, in terrestrial and aquatic communities

• Recent systematic and evolutionary questions are treated.

Aims and Scope
This section of the Handbook of Zoology is intended as a comprehensive and exhaustive account of the biology of the taxa Gastrotricha, Nematoda, Nematomorpha, Priapulida, Kinorhyncha, Loricifera, Gnathostomulida, Micrognathozoa, Rotifera, Seisonida and Acanthocephala, covering all relevant topics such as morphology, ecology, phylogeny and diversity. The series is intended to be a detailed and up-to-date account of these taxa. As
was the case with the first edition, the Handbook is intended to serve as a reliable resource for decades.

Many of the taxa of this volume are comparatively unknown to many biologists, despite their diversity and importance for example in meiofaunal communities (Gastrotricha, Rotifera, Gnathostomulida), their fascinating recent discoveries (Loricifera and Micrognathozoa), their importance as parasites (many nematodes, Nematomorpha, Acanthocephala) and their importance for evolutionary questions (e.g. Priapulida, Gastrotricha). The groups covered range from those poor in species (such as Micrognathozoa with 2 known species) to the species-rich and diverse Nematoda and their ca. 20,000 described species. While each taxon is covered by one chapter, nematodes are treated in several chapters dedicated to their structural, taxonomic and ecological diversity.

**Meiofauna Gathering**

![Image](image1.png)

This book consists of theoretical and practical explanations about Environmental and Societal Significance, especially with regards to Tsunami events. Interestingly this book even covered with important aspects of Meiofauna assemblages within few weeks after Tsunami events.

**Note:** Chapter 9 Ecological Status of Sandy Beaches after Tsunami Events: Insights from Meiofauna Investigations After the 2011 Tohoku-oki Tsunami, Sendai Bay, Japan.

**Approaches to Study Living Foraminifera**

![Image](image2.png)

This book concerns about the experimental approaches with unique concepts to study living foraminifera. Especially it’s useful to the one who wish to study living foraminifera with a geological and/or paleontological background rather than a biological background.

**Note:** It’s freely available online.

**Upcoming conferences**

The following content would be of interest. Perhaps some of these already been advertised in the previous issue but they are presented again as they are still in the future.

**3rd World Conference on Marine Biodiversity**

![Image](image3.png)

12-16 Oct, 2014 Huanghai Hotel, Qingdao, China


World Conference of Marine Biodiversity III Committees For the organization of a special session on “Ecological and evolutionary paradigms in marine biology and how meiofauna can be used to address them”.

The session will address how marine meiofauna research is contributing to advances on major biological, ecological and evolutionary
paradigms at different levels of biological organisation; i.e. from the molecular level (genome, proteins, etc.) to organisinal, population, communities and ecosystems, and how meiofauna can help us to tackle issues on climate change, anthropogenic pressures, conservation, marine management and sustainable development. It will have six themes:

1. Marine Biodiversity & Global changes
2. Marine Ecosystem Structure & Function
3. Marine Ecosystem Safety
4. Marine Biological Observations
5. Marine Biological Resources
6. Deep Sea Biodiversity

- June 15th, 2014 – Dead line for Early-bird registration and abstract submission.
- July 1st, 2014 – Notification for the acceptance of Abstract
- August 30th, 2014 – Deadline for regular registration

Organizers and chairs of the special session,
Dr. Jeroen Ingels (jein@pml.ac.uk), Prof. Zhi Nan Zhang,
Prof. Em. Richard Warwick, Dr. Gustavo Fonseca

8th International Shallow Lakes Conference

12-17 October, 2014 Antalya, Turkey.

http://www.shallowlakes2014.org/pages

The guiding theme of the 8th International Shallow Lakes Conference is “Ecology of Shallow Lakes in a Fast-Changing World”. Its purpose is to provide a stimulating scientific environment.

Important Dates

- Abstract submission Deadline: 16th April 2014
- Notification of Acceptance: 30th May 2014

8th International Symposium on Eastern Mediterranean Geology

13th-17th Oct, 2014 Ataturk Cultural Center, Mugla Sıtkı Kocman University, Turkey.
http://isemg.org/

This event is dedicated for certain topics on Eastern Mediterranean Geology with two different themes and sessions. It has even covered with the topic “Paleontology”, so it would be a great opportunity for the people who are dealing with marine microscopic fossil records.

- 15th July – Dead line for Abstract Submission
- 15th August – Deadline for Early registration

Conferences, Workshops held and Registrations closed

This content maybe to evoke about the current activities of meioethology and to make young researchers always heedful of events.

12th International Conference on Copepoda in Korea

Welcome to 12th ICOC
The objective of the course is to provide postgraduate students/postdoctoral fellows with a comprehensive and state-of-the-art introduction to the diversity, morphology, systematics and biology of benthic, planktonic and symbiotic copepods, including training in technical skills. The course will be taught by an international team of five tutors, each being an internationally renowned specialist in a different area of copepod systematics.

Systematics of freshwater subterranean Malacos traca: Morphology, molecular systematics, and web-taxonomy

Practical experiences:
- Techniques used for study of morphology (Amphipoda, Isopoda)
- Use of online morpho-databases (Amphipoda)
- Molecular laboratory techniques (Amphipoda, Isopoda, Decapoda)
- Analytic methods used for morphological & Molecular data.

Name of mentor / supervisor: Cene Fišer
Registration: Closed 30th April, 2014.
Note: Please check the below link as “DEST” offers several taxonomy courses. It’s a great opportunity for young research scholars to explore about meiobenthology.
http://www.taxonomytraining.eu/

Meeting 2014: Foraminifera and nannofossils through time: qualification and quantification

http://www.tmsoc.org/foram-nanno2014.html#Introduction

The theme for this year's event was "Foraminifera and Nannofossils through time: qualification and quantification" Studies focusing on modern-day processes as well as paleontological application of foraminifera and nanno fossils.

These may include studies on ecology, morphometrics, evolution, genetics and morphology-based taxonomy, biomineralization, carbonatgeoeche mistry, biostratigraphy, paleoceanoigraphy and paleo limatological applications of carbonate microfossils.

Note: The Micropalaeontological Society organizes Many events. Please check the below link
http://www.tmsoc.org/

1st Meeting of Asian Ostracodologists in Korea

23rd – 27th June 2014, Seoul, South Korea.
http://www.mao1.kr/

This event is organized for the very first time in Asia. It will be a great initiation for the expansion of research activities on Ostracods.

The theme of this conference was to spread the knowledge of East Asian biodiversity of Ostracods and Paleoecology.

Sponsors:
- Hanyang University
- Invertebrates Research Team of “Discovery
6th International Congress of Nematology

4th – 9th May 2014, Cape Town, South Africa.

The theme of the conference was “Ensuring the future of nematology by encouraging student participation, relying on experience and empowering developing nations to ensure global food security”

43rd Annual Benthic Ecology Meeting 2014


Purpose of the Benthic Ecology Meeting Society

The Benthic Ecology Meeting is a nonprofit organization, established to run a meeting yearly with the purpose of exchange of scientific information on benthic ecosystems and to foster the next generation of benthic biologists. The mission of the BEM is to: promote research in benthic ecosystems; support the exchange of information about benthic ecology and foster the next generation of benthic ecologists through student participation. The BEM is organized exclusively for educational and scientific purposes.

News from members

Norliana Rosli
University of Otago, New Zealand

I am Norliana Rosli, a PhD student from University of Otago, New Zealand. I am working on ecology and taxonomy of deep-sea meiofauna (particularly on nematodes) from New Zealand’s continental margin for my PhD project, under Keith Probert (University of Otago, New Zealand) and Daniel Leduc (National Institute of Weather & Atmospheric Research (NIWA), New Zealand). Currently, I am working on the description of a new deep-sea nematode species.

I also have an interest in deep-sea Kinorhynch from my samples that I’m working on. I have found these to be widely distributed in New Zealand waters, and because they are not well studied, they would be an interesting future research topic.

Melissa Rohal
Texas A&M University, USA

My name is Melissa Rohal. I am a second year PhD student at Texas A&M University in Coastal and Marine System Science, studying under Dr. Paul Montagna. I received my masters from Florida State University in Biological Oceanography from Dr. David Thistle. My research interests lie in meiofauna ecology. My master’s thesis was titled “Meiofaunal abundances and faunal similarity on the continental rise off the coast of California. “My dissertation topic will involve study meiofauna ecosystem services.

I am currently participating in the East Asian and Pacific Summer Institute (EAPSI) program in South Korea. I am studying with Dr. Wonchoel Lee at Hanyang University. The goal of my project is to learn harpacticoid copepod taxonomy to be used as a valuable tool in my future research.

Kong Qiang
East China Normal University

My name is Kong Qiang. I am a third-year graduate student in
the Life Science Department at East China Normal University (ECNU). My major is Zoology, studying under Prof. Na Yu and my research interest is “Taxonomy and systematics of freshwater ostracods”.

I visited Laboratory of Biodiversity, Department of life science, Hanyang University during the period from Sep 1 to Nov 27 2013. During this period, I have involved in many scientific activities including morphological and molecular techniques for “Systematic study of Ostracoda” and have participated in the regular seminar series in the laboratory. Special thanks to Prof. Ivana Karanovic and Prof. Wonchoel Lee for providing appropriate working conditions. I was impressed by their devotion to the science research. I was lucky to know Hyunsu Yoo, Madhuri.S, Vinod.V and other students of Lab. They are the most valuable treasure of my memories.

**Travelled to Korea**

**Prof. Alexei Valerjevitch TCHESUNOV**

E-mail: AVTchesunov@yandex.ru

He visited my lab for a period of one month (Mar 2014) to share his knowledge about nematodes to my students; I sincerely thank him for spending his valuable time with us.

He has been working on free-living marine nematodes: morphology, taxonomy and ecology. His current research interest is Deep-sea free-living nematodes: taxonomy, morphology and communities; nematode parasites of marine invertebrates, phylogeny of certain marine, terrestrial and parasitic nematodes.

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He is currently working as a professor at Department of Invertebrate Zoology, Faculty of Biology, Lomonosov’s Moscow State University (Moscow, Russia).

**Dr. Hendrik Segers**

Email: hsegers@gmail.com

I should also thank my colleague who is dealing with rotifer taxonomy. He has visited my lab for two weeks to teach my student about freshwater rotifers. He was actively participated with his admirable presentation on classification and nomenclature of species.

He is currently working in Royal Belgian Institute for natural Sciences, Belgium. He is even involved in many activities as a member in Royal Belgian Zoological Society, Societas Internationalis Limnologiae (SIL) and Society for the Management of Electronic Biodiversity Data (SMEBD).

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**Obituaries**

**Love of Meiofauna**

Dear Colleagues,

It gives me a great pleasure to introduce you to a new journal that published recently by Thomas Bartolomaeus. He paid rich tribute by addressing about the life journey and death of Dr. Peter Ax and his contributions to the field of comparative morphology and phylogenetic systematics in interstitial Meiofauna. It would be a great experience to know about the life history of our colleague Peter Ax.

**Title:** In love of meiofauna, morphology, and Phylogenetic systematics: an obituary for Peter Ax 29.03.1927–02.05.2013. Zoomorphology (2014) 133:3–6

**Author:** Thomas Bartolomaeus

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**Recent Literature**


Collage of 1st MAO in Korea

Memories to treasure
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 twice per year (January and June). 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 February 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)

Please send my copy of Psammonalia via: ☐ Air mail (hard copy) ☐ Email

Name __________________________________ Email address ____________________________
Address ________________________________ Telephone ______________________________
_______________________________________ FAX ______________________________
_______________________________________ City, St/Prov __________________________

Zip/Postal Code __________________________ 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. Robert Feller, Baruch Institute, University of South Carolina, Columbia, SC 29208 USA.

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.

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

Signature: __________________________________________________________

Interests: ___________________________________________________________________

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