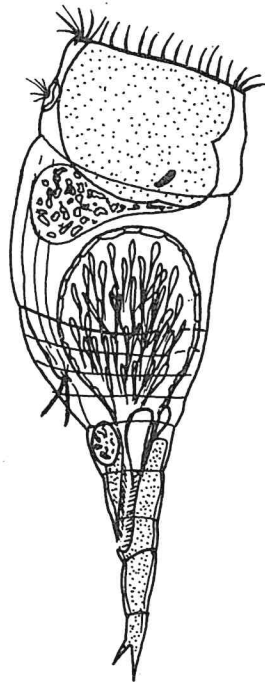


PSAMMIALIA

NEWSLETTER OF THE INTERNATIONAL ASSOCIATION
OF
MEIOBENTHOLOGISTS

COURRIER DE L'ASSOCIATION INTERNATIONALE
DES
MEIOBENTHOLOGISTES



N° 36

1977

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Courrier de l'Association Internationale des Méiobenthologistes

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 Muséum National d'Histoire Naturelle
 Laboratoire de Zoologie (Vers)
 43, rue Cuvier
 75231 Paris cedex 05
 France

Cover : Male of *Microcodides chlaena* - Rotifera - A drawing by the late P. de Beauchamp.

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EDITORIAL

During the last year and the beginning of 1977 we have registered 55 new members. We are very happy to welcome them and we hope they will become very active members of our Association.

Jacques Soyer and I urge each of you who have not paid your dues to send your \$ 3 (1977 dues) or \$ 6 (1976 and 1977 dues) to Jacques immediately, preferably by check as indicated on page 3.

Unfortunately we will have to drop the members from the membership for non-payment of dues because we cannot continue to operate with a small percentage of the membership paying for the typing, printing etc.. This ultimatum, of course, excludes those members in countries unable to export currencies. So if you have not paid, please, do so as soon as possible. Thank you.

Jeanne Renaud-Mornant

FINANCIAL REPORT

RAPPORT FINANCIER

Credits :

Balance on hand (15.01.77)	FF	4 175,98
Dues and contributions received (1.04.77)		<u>455,44</u>
Total :		4 631,42

Debits :

Cost of Psammonalia No 35		462,50
Mailing cost		<u>147,00</u>
Total :		609,50

Balance on hand (prior to Psammonalia No 36) 1.04.77 : 4 021,92 F

* * * * *

The annual dues of 3 dollars should be paid preferably by cheque to :

*Association des Méiobenthologistes
Banque Populaire des Pyrénées Orientales
Quai Pierre Forgas, 66660 Port-Vendres, France
No 04 19 243 275*

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N. Ireland

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Department of Biology
Sonoma, State College
Rohnert Park
California 94928
U.S.A.

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Marine Ecosystems Research Laboratory
Graduate School of Oceanography
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Postboks 1064 Blindern
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Universita di Ferrara
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44100 Ferrara
Via L. Borsari, 46
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Marine Science Institute
Northeastern University
East Point
Nahant, Massachusetts
01908
U.S.A.

HICKS R.F.
The University of Leeds
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Robin Hood's Bay
Yorkshire
YO22 4 SL

RANDALL W.B. Jr.
Marine Science Institute
Northeastern University
East Point
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01908
U.S.A.

JONES T.L.
c/o Southwest Research Institute
3600 Yoakum Blvd
Houston
Texas 77006
U.S.A.

SCHOFFENIELS E.
Laboratoire de Biochimie
Université de Liège
Place Delcour 17
4000 Liège
Belgium

LEVY D.P.
Department of Biology
Livingston College
Rutgers University
New Brunswick,
N.J. 08903
U.S.A.

SOTIRACOPOULOS S.
Environmental Pollution Control Project
147 Patission Street
Athens 814
Greece

LODGE D.
Royal Holloway College
University of London
Department of Zoology
Alderhurst, Bakeham Lane
Englefield Green
Surrey TW20 9TY
England

Last minute addition
COX J.L.
Southeastern Massachusetts University
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Biology Department
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Massachusetts 02747
U.S.A.

NEWS FROM THE MEMBERS

NOUVELLES DES MEMBRES

Dr. Geoffrev R.F. Hicks, The University of Leeds, Wellcome Marine Laboratory,
Robin Hood's Bay, YO22 4 SL, England

My research interests are taxonomy, zoogeography and ecology of harpacticoid copepods (particularly algal-dwellers).

For the past 3 years I have been working on the population ecology of algal-dwelling harpacticoid copepods from an exposed locality in Cook Strait, New Zealand. The study has included an analysis of species composition and a description of the Southern Hemisphere zoogeographic relationships of the fauna. Temporal population density fluctuations have been assessed and related to the breeding activity of the constituent species. Faunal associations and preferences in relation to substrate have been demonstrated ; the investigation was designed to provide data comparable with level-bottom meiobenthos. Results of this work will begin to appear in the *New Zealand Journal of Marine and Freshwater Research* later this year.

Nationwide collections of the New Zealand and Australian harpacticoids have been undertaken in collaboration with Dr. Richard Hamond (Melbourne University), with a view to a long-term taxonomic review.

My recent appointment as Garstang Fellow at the Wellcome Marine Laboratory, Robin Hood's Bay will allow a continuation of research on phytoplankton harpacticoids. In particular, further work on reproductive strategies will hopefully provide information enabling comparison with the New Zealand fauna. Experimental studies on tolerance levels to interacting environmental parameters may also be initiated.

Denise V. Lodge, Royal Holloway College, University of London, Department of Zoology,
Alderhurst Englefield Green, Bacheham Lane, Surrey TW20 9TY, England.

For the past few years I have been following population developments of meiofauna of Slow Sand Filters - one of the treatments used in water purification. I have been concentrating on the oligochaetes which individually have the highest biomass of all organisms present and are second only to the Protozoa in numerical abundance. The Slow Sand Filter is a very unusual habitat with a greater uniformity of substrate and flow conditions than is found in most natural habitats but receives very high inputs of organic matter, which periodically are manually removed during cleaning procedures. This uniformity of conditions might suggest very different responses from the animals to the changing environmental parameters compared with the situation in similar natural habitats.

The next part of my study is concerned with the energetic relationships of these detritus feeding organisms, hoping to obtain information about rate processes which will help to illustrate the picture of population changes throughout the seasons. I hope that as a result of giving these informations I shall be able to come into contact with people working on similar habitats.

Souzana Sotiracopoulos, Environmental Pollution Control Project, 147 Patission str., Athens 814, Greece

The liquid wastes disposal component of the Environmental Pollution Control Project in Athens requires *inter alia*, biological indicators through which marine water pollution can be monitored.

The advantages of initiating a meiofauna survey were pointed out⁽¹⁾ and as a result a Pilot Scheme of sampling was undertaken⁽²⁾.

A number of samples were taken from several points of the shore (splash zone, wave zone and shallow water) on several beaches along the Metropolitan Athens area covering a range of habitats and located at various distances from the sewage outfall area.

Elutriation and Uhling sea-water ice technique have been used to separate the animals from the sediment. The following parameters were measured : particle size, pH, temperature, dissolved oxygen, salinity, organic carbon and chlorophylls.

Analysis of these samples will provide information about the composition and the density of the microorganisms in the sediment in relation to the pollution level of each sampling point, permitting the establishment of an interrelation between meiobenthos and pollution.

(1) A. Eleftheriou WHO consultant on Marine Biology
«Report On A visit to Greece»
11 Feb - 9 March 1975

(2) ————— «Report On A visit to Greece»
12 - 26 September 1976

THE KRISTINEBERG CENTENARY SYMPOSIUM

on

DEEP-SEA FAUNAS - HISTORY, DIFFERENTIATION AND ADAPTATION

- Topic :** – History of deep-sea benthos recruitment
 – Geographical distribution
 – Differentiation, adaptation and evolution
- Sponsors :** The Royal Swedish Academy of Sciences, The Nordic Council on Marine
 Biology, and the Swedish Natural Science Research Council.
- Date :** August 14-17, 1977. Registration begins on August 14.
- Place :** The Kristineberg Marine Biological Station, Sweden.
- Participation :** Attendance is restricted to 40 because of lodging limitations.
- Language :** English.
- Papers :** Sessions will consist of 6 invited and 15 submitted papers (each 15 min.),
 as well as poster sessions. Much time will be allocated for discussions.
- Abstracts :** Deadline for receipt of abstract is April 1, 1977, abstract screening will
 be terminated by April 15, 1977, but there might be an extension in
 time for another month.
- Publications :** Papers will be published in a book or in an internationally well-know
 journal. Manuscripts must be received no later than August 17, 1977 ;
 for further details, check with instructions for authors to be released
 upon receipt of Registration form.
- Invited speakers can submit manuscripts of in total 20 double spaced
 type-written pages, including illustrations. Other contributors (submitted
 or poster sessions) can submit manuscripts of in total only 8 double
 spaced type-written pages, incl. graphs, etc...
- Registration :** U.S. \$ 40, which will cover abstract booklet, reception, excursion, and
 published proceedings. Last day of preliminary registration is June 15,
 1977.

For further details, please write to :
The Kristineberg Centenary Symposium
Kristineberg Marine Biological Station
S - 450 34 Fiskebäckskil,
SWEDEN

- 12 -

THE MARCUS WALLENBERG FOUNDATION
FOR INTERNATIONAL COOPERATION IN SCIENCE

First symposium

on

THE DEEP SEA - ECOLOGY AND EXPLOITATION

- Topic :** - Ecology, community structure and maintenance of the benthic fauna
 - Geochemistry and sedimentation, involving the benthic biota
 - Effects on the biota of exploitation (deep-sea mining, dumping, etc...)
- Date :** August 10 - 13, 1977. Registration begins on August 9.
- Place :** The Grand Hotel, Saltsjöbaden, near Stockholm.
- Participation :** Attendance is limited to 100 participants.
- Language :** English
- Papers :** Sessions will consist of 9 invited papers (30 min.) and 25 submitted papers (each 15 min.) as well as poster sessions.
- Abstracts :** Deadline for receipt of abstract is April 1, 1977, abstract screening will be terminated by April 15, 1977, but there might be an extension in time for another month.
- Publication :** Papers will be published in Ambio. Manuscripts must be received no later than August 13, 1977.
- Invited speakers can submit manuscripts of in total 20 double spaced type-written pages, including illustrations. Other contributors (submitted or poster sessions) can submit manuscripts of in total only 8 double spaced type-written pages, incl. graphs, etc...
- Registration :** U.S. \$ 60, which will cover abstract booklet, reception, excursion, a banquet and published proceedings. Last day of preliminary registration is June 15, 1977.

For further details, please write to :

The Marcus Wallenberg Foundation for International Cooperation in
Science
SE-Banken
Kungsträdgårdsgatan 8
S - 106 40 Stockholm
SWEDEN

SECOND INTERNATIONAL SYMPOSIUM ON TARTIGRADES

GENERAL INFORMATION

- Topic :** Problems related to morphology, physiology, ecology and systematics of Tartigrada.
- Organization :** The Organizing Committee is constituted by Dr. Barbara WEGLARSKA, Dr. Hartmut GREVEN and Dr. Hieronim DASTYCH.
- Date :** July 28 - 30, 1977.
- Language :** English will be the official language for Symposium lectures and discussions.
- Papers and Publication :** The papers will be published in *Zeszyty Naukowe Uniwersytetu Jagiellonkiego*. The manuscripts, preferably in English, may be handed to Dr. B. WEGLARSKA convener, or to Dr. H. DASTYCH at the time of the Symposium itself. Typed copies of communications should be sent by June 30th, 1977. It is not a condition that any individual participant should be required to give a paper.
- Registration :** U.S. \$ 10 (to be paid in Krakow)
- Accommodations :**
- | | | |
|----------------------|------------|----------------|
| Hotel «Cracovia» | U.S. \$ 33 | single per day |
| " " | U.S. \$ 38 | double per day |
| Hotel «Holiday Inn » | U.S. \$ 32 | double per day |
| Student Residence : | U.S. \$ 5 | per day |
- at Krakow, Poland.

A trip to the Salt Mine in Wieliczka is also planned.

An application for participation should *immediately* be sent to the local Organizing Committee :

Dr. Barbara WEGLARSKA
The Institute of Zoology
of the Jagiellonian University
39-060 Krakow
ul. Krupnicza 50
POLAND

RECENT LITERATURE

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