

# PSAMMONALIA

Newsletter of the  
International Association of Meiobenthologists



Number 106, November 1994

Composed and Printed at The University of Texas at Austin,  
Marine Science Institute, Port Aransas, Texas U.S.A.

## INSIDE PSAMMONALIA THIS QUARTER

OFFICERS .....	2
EDITORIAL .....	3
TREASURER'S REPORT 1994 .....	3
NIMCO '95 NEWS .....	3
Organization .....	3
Contributions .....	4
Abstracts .....	4
Accommodations .....	4
Fees .....	4
Excursion .....	4
Transportation to Perpignan .....	4
Deadlines .....	4
ANNOUNCEMENTS .....	4
Summer field courses .....	5
NEWS FROM MEMBERS .....	5
In Memoriam: Krystyna Prejs .....	5
Tidbits .....	5
Address changes .....	6
E-Mail addresses .....	6
NEW MEMBERS .....	6
RECENT LITERATURE .....	6
THANKS .....	8
APPLICATION FOR MEMBERSHIP OR RENEWAL .....	9
NIMCO PRE-REGISTRATION FORM .....	10

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

## OFFICERS

### Newsletter of the International Association of Meiobenthologists

Editor: Paul A. Montagna

Internet address: PAUL@UTMSI.ZO.UTEXAS.EDU

Production Editor: Carrol A. Simanek

#### *Executive Committee*

**Paul A. Montagna**, Chairperson, *Marine Science Institute, University of Texas at Port Aransas, P.O. Box 1267, Port Aransas TX 78373, USA*

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

**Teresa Radziejewska**, *Institute Fisheries Oceanography, Kazimiera Królewicza 4, 71-550 Szczecin, POLAND*

**Yoshihisa Shirayama**, *Ocean Research Institute, University of Tokyo, 1-15-1 Minamidai, Nakano-Ku, Tokyo 164, JAPAN*

**James Ward**, *Department of Biology, Colorado State University, Fort Collins, CO 80523 USA*

**Richard Warwick**, *Plymouth Marine Laboratory, Prospect Place, The Hoe, Plymouth PL1 3DH, UK*

**Margaret Palmer**, *Department of Zoology, University of Maryland, College Park, MD 20742, USA*

#### *Board of Correspondents*

**Bruce Coull**, *Belle Baruch Institute for Marine Science and Coastal Research, University of South Carolina, Columbia, SC 29208, USA*

**Andrew Gooday**, *Institute of Oceanographic Sciences, Wormley, Godalming, Surrey, GU8 5UB, UK*

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

**Rony Huys**, *Zoology Department, Natural History Museum, Cromwell Road, London, SW7 5BD, UK*

**Preben Jensen**, *Marine Biological Lab Helsingor, Univ. of Copenhagen, Strandpromaden 5, DK-3000 Helsingor, DENMARK*

**Anton McLachlan**, *Department of Zoology, University of Port Elizabeth, P.O. Box 1600, Port Elizabeth, SOUTH AFRICA*

**Catalina Teresa Pastor de Ward**, *Centro Nacional Patago'nico C.C. 107, (9120) Puerto Madryn, Chubut, ARGENTINA*

**Donald Webb**, *Department of Oceanography, Dalhousie University, Halifax, Nova Scotia, CANADA B3H 4J1*

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

## EDITORIAL

In this issue is the first call for papers for the Ninth triennial conference being held in this year in France. The triennial conference is a major event for the Association. The fact that we are currently holding our Ninth such meeting is direct evidence of the continuing vitality of research on meiofauna. However, in many countries there is a continuing and urgent need to justify research funding. This conference is a good time for us to share our ideas on how this is best accomplished. We were very successful at doing this for justifying using meiofauna in applied research during the last conference. This time I think we should focus on the role of meiofauna in aquatic ecosystems. I am haunted by the question, "if all meiofauna disappeared tomorrow, would any one care?"

To facilitate communication and planning the Association mailing list is attached to this newsletter.

Apologies to those of you in the Southern Hemisphere. I was so overwhelmed with summer activities in August, I forgot that many of you were in the middle of winter.

## TREASURER'S REPORT 1994

Prior Balance (see Psammonalia #102)	\$4,202.07
INCOME (18 Oct 9)	
Dues	1,740.00
Swedmark	120.00
Total Receipts	\$1,860.00
EXPENDITURES:	
Psammonalia #102	204.23
Psammonalia #103	401.86
Psammonalia #104	400.29
Psammonalia #105	279.34
Total Expenditures	\$1,285.72
Balance	\$4,776.35

Note: Total contributions to the Swedmark Fund since 1 January 1993 = \$210.00. These funds will be transferred to the Fund Custodian (Dr. R. M. Warwick) in November 1994.

## NIMCO '95 NEWS

## Organization

Alain DINET and the NIMCO Organizing Committee<sup>1</sup> are pleased to announce that the next IAM Conference will be held at the "Palais des Congrès" of Perpignan (France) on July 3-7, 1995. Registration of participants is scheduled on Monday 3rd between 8:30 a.m. and 10:30 a.m. just before the Conference opening. The ceremony will be followed by a welcoming "apéritif". So far, 85 colleagues from 15 countries have declared their intention to attend the NIMCO. Open sessions for participant contributions will be offered in the following topics: marine meiofauna, freshwater meiofauna, deep-sea meiofauna, pollution and biodiversity. Special sessions and/or informal workshops will be organized:

1. The importance of meiofauna in aquatic ecosystems — Special Session. Paul Montagna, The University of Texas Marine Science Institute, P.O. Box 1267, Port Aransas, TX 78373, USA; Phone: (1) 512 749 6779; Fax: (1) 512 749 6777; E-mail: paul@utmsi.zo.utexas.edu
2. Feeding biology, gardening, and structuring of biocenoses by meiofauna — Special session. Hans-Uwe Dahms, Universität Oldenburg, Fachbereich 7, Biologie Postfach 2503, 26111 Oldenburg, Germany; Phone: (49) 441 798 3369; Fax: (49) 441 798 3250; E-mail: hudahms@hrz1.pcnet.unioldenburg.de
3. Heterochrony and the evolution of meiofauna — Special symposium. Rony Huys, The Natural History Museum, Cromwell Road, London SW7 5BD, U.K.; Phone: (44) 71 938 9186; Fax: (44) 71 938 9158; E-mail: RJH@NIIM.AC.UK
4. The relationship between sediment geochemistry and meiofauna distribution — Workshop. Magda Vincx, Marine Biology Center, University of Gent, Ledeganckstraat 35, 9000 Gent, Belgium; Phone: (32) 9 2645210; Fax: (31) 9 2645344; E-mail: magda.vincx@rug.ac.be
5. Symposium on aquatic nematodes, myth or reality —

<sup>1</sup>Francis de Bovée, Jean-Yves Bodiou, Nicole Coineau, Philippe Albert, Santiago Villora Moreno (Laboratoire Arago, Banyuls-sur-Mer), Laurence Guidi-Guilvard (Observatoire Océanologique de Villefranche-sur-Mer).

Workshop. Nicole Gourbault, Museum national d'Histoire naturelle, LBIM, 57, Rue Cuvier, 75005 Paris; Phone (33) 1 40 79 31 12; Fax: (33) 1 40 31 09; E-mail: gourbault@mnhn.fr

People interested in these topics should mention it in the pre-registration form. They should contact separately each topic coordinator (cf. names above) in order to make suggestions and/or to formalize their contribution. Special sessions (parallel to the general sessions) will be scheduled according to these answers. The poster session will run all along the Conference in the hall of the Palais des Congrès just by the Conference rooms.

#### Contributions

A maximum of 30 min. will be assigned to each presentation including discussion. The Conference language will be English. However, according to the French law, speakers may use French. French speakers should provide the text of their communication to the Organizing Committee so that a translation can be provided. The following audio-visual equipment will be available: slide and overhead projectors and video PAL/SECAM projector. Special needs should be mentioned in the pre-registration form. Contributions should be proposed to the Organizing Committee before March 15, 1995. They will be reviewed and authors will be notified of their acceptance by April 15.

#### Abstracts

Abstracts in English should be typewritten according to the following format:

##### TITLE OF PRESENTATION (CAPITAL LETTERS)

A.B. First Author<sup>1</sup>, C.D. Second Author<sup>2</sup>

<sup>1</sup>Affiliation with Address of First Author

<sup>2</sup>Affiliation with Address of Second Author

The abstract should be single spaced, double spaced between the heading block and the text, Confine typed copy to an area 15 cm wide by 23 cm long. Use if possible 10 pt. Courier type face. Print the abstract with a good quality printer as the document is to be reproduced as received.

#### Accommodations

Hotels located in the immediate vicinity of the Palais des Congrès (i.e., 50 to 100 m range) will provide convenient and comfortable housing. Number of days, dates and preferences should be indicated in the pre-registration form. Booking will be done by the Organizing

Committee. Breakfast are included in the hotel fares. Lunches will be proposed at the cafeteria of the Palais des Congrès. The program book package will suggest a number of restaurants for dinner (not organized by NIMCO).

#### Fees

The Conference fee will be 500 FF (currently, 1 FF = 0.18 \$ US) for active participants and 250 FF for students and accompanying persons. It includes a program book package, participation in social events, welcoming apertif, cocktails and transportation to Banyuls-sur-Mer, symposium dinner (Friday 7th). Fees will be due at May 1st, 1995. A 100 FF supplement will be applied for payment after this deadline. Further instructions for the payment of fees will appear in the February issue of *Psammonalia*.

#### Excursion

An optional mid-symposium excursion to Carcassonne, the largest medieval site in Europe, will take place on Wednesday 5th. A financial contribution for transportation to the place (100 km away from Perpignan), will be asked of participants (around 50 FF per person). An alternative to the excursion will be a free day in Perpignan and vicinities, which offer a number of recreational activities. Information about these will be included in the program book.

#### Transportation to Perpignan

Perpignan is linked to Paris-Orly with four direct flights per day by AIR INTER. Duration of these flights is 1.25 hours. It is recommended that you fly into Paris-Orly to make these connections. Some international airlines do not have direct access to Paris-Orly and arrive at Paris-Roissy-Charles-de-Gaulle. In that case, plan a minimum of 2.5 hours delay (which includes about 1 hour of ground transportation by the AIR FRANCE shuttle service) to change to Paris-Orly Airport. Seasonal (summer) direct flights from London-Gatwick are operated on Saturday by BRITISH AIRWAYS. Perpignan airport (int'l code: PGF) is a 10 min. drive from downtown where the Palais des Congrès and hotels are located. Although the nearest airport to Perpignan with worldwide connections is Barcelona, no airline flights exist between these two cities. If you fly to Barcelon, you will need to go to Perpignan by rail with the "Intercities Talgo," a 3 hour trip. Don't try to take any other train than the direct "Talgo" unless you want to have an uncomfortable, 4 hour experience with a change at the French-Spanish border.

*Deadlines*

Submission of contributions: March 15, 1995.  
Registration, housing reservation and payment of fees:  
May 1, 1995. (Methods of payment will be announced in  
the February issue of *Psammonalia*).

**ANNOUNCEMENTS**

*Summer field courses*

Baruch Marine Field Laboratory, Georgetown, South  
Carolina.

Introduction to Meiofauna (3 credit hours), May 29 -  
June 23, 1995, Bruce Coull and Robert Higgins.  
Comprehensive overview of meiofauna biology and  
ecology. Lectures cover collection, processing and  
identification, role of meiofauna in ecosystem dynamics,  
their value as food for higher trophic levels and use in  
pollution assessment. Observe all meiofauna taxa and  
experiment with the local meiofauna in an ecological  
setting. Each student will conduct a research project on a  
topic of their choosing and present results in a concluding  
seminar.

Estuarine Fish Ecology (3 credit hours), July 10 -  
August 4, 1995, John Mark Dean and Marcel Reichert.

Contact Kitty Harper, Marine Science Program,  
University of South Carolina, Columbia SC 29208, USA.

University of Texas Marine Science Institute, Port Aransas,  
Texas.

Marine Botany (3 undergraduate credit hours), June 7 -  
July 14, 1995, Ken Dunton.

Aquatic Microbiology (3 undergraduate credit hours),  
June 7 - July 14, 1995, Ron Benner.

Marine Invertebrates (3 undergraduate credit hours),  
July 17 - August 21, 1995, Paul Montagna

Biology of Fishes (3 undergraduate credit hours), July  
17 - August 21, 1995, Lee Fuiman.

Biological Oceanography (3 graduate credit hours),  
June 7 - August 3, 1995, Ed Buskey and Curtis Suttle.

Marine Research Training Cruise, (3 graduate credit  
hours), 7 - August 3, 1995, E. William Behrens.

Contact Summer Coordinator, UTMSI, P.O. Box 1267,  
Port Aransas, TX 78373, USA. Small scholarships are  
available.

**NEWS FROM MEMBERS**

*In Memorium: Krystyna Prejs*

I have received word with sorrow that on 25 June our  
friend and colleague, Krystyna Prejs, age 49, died after a  
four year bout with cancer.

Krystyna became my acquaintance for the first time in  
the seventies after she visited a congress on biological  
assessment of water quality in the Netherlands. On that  
occasion she professed the merits of using nematodes for  
water quality assessment, even though macroinvertebrates  
already had a history of being used for this purpose. Her  
pioneering convictions, plus Aldo Zullini's investigations  
of the community structure of nematodes in polluted  
streams, were important influences in my own acceptance  
of the concept that nematodes offer excellent opportunities  
for assessing the quality of aquatic sediments, and of  
terrestrial systems as well.

Krystyna earned her M.Sc. and Ph.D. degrees at the  
University of Warsaw. From 1968 to the untimely end of  
her career she held a teaching and research position in the  
Department of Hydropobiology at the University of  
Warsaw. She spent a great deal of time traveling: as a  
visiting researcher at the University of Toronto (1972),  
Universidad Central de Venezuela (1978-1980), Lund  
University (1985) and Oslo University (1990). She  
collaborated for many years with the Norwegian Institute  
for Nature Research. Therefore, she had an opportunity to  
study nematodes in many different freshwater habitats -  
from the Canadian Arctic, participating in IBP Char Lake  
Project, through lakes of Scandinavia and Central Europe  
to a tropical flooded savanna during her stay in Venezuela.

Krystyna was first of all a limnologist and ecologist.  
Taxonomy for her was not an art for art's sake but, a  
useful tool for studying broader problems. She began by  
working on benthic nematodes and was the first to describe  
correlations between species diversity, number and biomass  
of benthic nematodes relative to the trophic state of lakes  
they inhabited. While investigating aquatic nematodes  
Krystyna developed an interest in nematodes associated  
with different parts of aquatic plants, and she laboriously  
described specific nematode assemblages associated with  
their root systems. This included documentation of a  
strong correlation between the density of nematodes  
penetrating root and rhizome tissues of macrophytes and  
damage to the host plant.

In the eighties Krystyna was increasingly interested in  
whole mesofauna communities and began to study benthic  
nematodes of a river delta in Norway. Her first bout with

cancer in May 1990 did not interrupt her work for long. In September the same year she was in Oslo, conducting experiments on the large predatory nematode *Anatonchus dolichurus*, for the first time reported by her in surface waters.

Her contributions will endure, as will the inspirations she left with others, and may these accomplishments provide her co-author and husband, Dr. Andrzej Prejs, the strength and courage to suffer his loss and to carry on.

-Tom Bongers

#### Tidbits

While trying to justify the study of nematodes from a biodiversity point of view, Jyotsna Sharma was inspired to write the following limerick that you may find amusing.

There once was a little nematode,  
With a species diversity overload,  
Would someone shed a tear,  
If his species would disappear  
Maybe he should have been a toad.

#### Address changes

Tom Bongers  
Department of Invertebrate Zoology  
National Museum of Natural History  
Smithsonian Institution  
Washington, D.C. USA 20560

Dr. Hans-U. Dahms  
Fachbereich 7 (Biologie)  
C.V. Ossietzky Univ. Oldenburg  
D-26111 Oldenburg - F.R.G.

Nikolaos V. Schizas  
University of South Carolina  
Belle W. Baruch Inst. for Marine Biol. and Coastal  
Research  
Columbia, SC USA 29205

Paul N. Turner  
109 Kimberly Ct.  
Yorktown, VA 23692 USA

Private Docent Dr. Dieter Waloßek  
Zoologisches Institut der Universität Kiel  
Olshausenstraße 40 (Biologiezentrum)  
D - 24098 KIEL, GERMANY

#### E-Mail addresses

The Zoological Museum, University of Copenhagen (ZUMC) is now online. In connection with this the e-

mailboxes have changed from "zi" (Zoological Institute) to "zmuc". If you use square brackets [], curly braces {}, backslash \ or pipe (vertical line) |, please put a colon : right before the first word of the subject line to prevent the above symbols being changed into Danish letters. The colon deactivates the conversion system. *Mary Petersen*

Bell, Susan sbell@chuma.cas.usf.edu  
Bongers, Tom mnhiv005@sivm.bitnet  
Dahms, Hans-U. hudahmsehre1.(pcnet0)uni-oldenburg.de  
Petersen, Mary mepetersen@zmuc.ku.dk  
Petersen, Sven nfd013@hp1.uni-rostock.de  
Schizas, Nikolaos V. t420031@univscvm  
Turner, Paul N. 72073.772@compuserve.com  
Vopel, Kay nfd009@hp1.uni-rostock.de

#### NEW MEMBERS

Kay Vopel  
Univ. of Rostock  
Dept. Biology, Marine Zoology  
Freiligrathstr. 7/8  
18051 ROSTOCK, GERMANY  
Kays fields of interests are: meiofauna in sheltered sulfide loaded brackish shallow water biotops of the south west Baltic Sea, H<sub>2</sub>S resistance of harpacticoid copepods, cartesian-diver-microrespirometry and measurements of oxygen and sulfide profiles

Sven Petersen  
University of Rostock  
Dept. Biology, Marine Zoology  
Freiligrathstr. 7/8  
18051 ROSTOCK, GERMANY  
Sven is working on regulation mechanisms concerning the meiofauna in the phytal area of an estuary. He is especially interested in meiofauna-bacteria interrelationships (bacterial coatings), the significance of meiofauna associated bacteria for the uptake of dissolved organic matter, HPLC methods in the determination of dissolved free acids, autoradiography and cartesian-diver-microrespirometry. He would enjoy contacts with other people working on similar problems.

Desiree Dietrich  
University of Rostock  
Dept. Biology, Marine Zoology  
Freiligrathstr. 7/8  
18051 ROSTOCK, GERMANY  
Desiree is interested in Ostracoda, *Cyprideis torosa* - production and respiration.

Nikolaos V. Schizas

Belle W. Baruch Inst. for Marine Biology  
University of South Carolina  
Columbia, SC 29205 USA  
Nikolaos has just started his Ph. D. under the supervision  
of Dr. Bruce Coull.

## RECENT LITERATURE

- Alve, E. and Murray, J.W. 1994. Ecology and taphonomy of benthic foraminifera in a temperate mesotidal inlet. *Journal of Foraminiferal Research*, 24(2):18-27.
- Asbjornsdottir, L. 1994. *Elphidium karenae*, a new foraminiferal species from interglacial sediments in Iceland. Cushman Foundation Special Publication, 32:25-31.
- Austin, W.E.N. and Sejrup, H.P. 1994. Recent shallow water benthic foraminifera from western Norway: ecology and palaeoecological significance. Cushman Foundation Special Publication, 32:103-126.
- Boutin, C. 1994. Phylogeny and biogeography of Metacrangonyctid amphipods in North Africa. *Hydrobiologia*, 287(1):49-64.
- Carman, K.R. 1994. Stimulation of marine free-living and epibiotic bacterial activity by copepod excretions. *FEMS Microbiology Ecology*, 14:255-262.
- Carmen, K.R. 1994. Stimulation of marine free-living and epibiotic bacteria activity by copepod excretions. *FEMS Microbial Ecology*, 14:255-262.
- Cedhagen, T. 1994. Taxonomy and biology of *Hyrrokkin sarcophaga* gen. et sp. n., a parasitic foraminiferan (Rosalinidae). *Sarsia*, 79(1):65-82.
- Coineau, N. 1994. Evolutionary biogeography of the Microparasellid isopod *Microcharon* (Crustacea) in the Mediterranean basin. *Hydrobiologia*, 287(1):77-94.
- Culver, D.C. and Fong, D.W. 1994. Small scale and large scale biogeography of subterranean crustacean faunas of the Virginias. *Hydrobiologia*, 287(1):3-10.
- Danielopol, D.L., Marmonier, P., Boulton, A.J. and Bonaduce, G. 1994. World subterranean ostracod biogeography: dispersal or vicariance. *Hydrobiologia*, 287(1):119-130.
- Dingle, R.V. 1994. Quaternary ostracods from the continental margin off south-western Africa. Part III Oceanographical and sedimentary environments.. *Annals South African Museum*, 103(7):383-441.
- Fong, D.W. and Culver, D.C. 1994. Fine-scale biogeographic differences in the crustacean fauna of a cave system in West Virginia, USA. *Hydrobiologia*, 287(1):29-38.
- Gradek, C.L. 1994. A new species of The Interstitial Genus *Pisione* (Polychaeta: Pisionidae) from coastal beaches in Sonoma County, California, USA. *Trans. Amer. Microsc. Soc.*, 110(3):212-226.
- Gradstein, F.M., Kaminski, M.A., Berggren, W.A., Kristiansen, I.L. and D'Iorio, M.A. 1994. Cenozoic biostratigraphy of the North Sea and Labrador Shelf. *Micropaleontology*, 40 (supp. for 1994):1-152 pls 1-22.
- Green, A.S., and Chandler, G.T. 1994. Meiofaunal bioturbation effects on the partitioning of sediment-associated cadmium. *Journal of Experimental Marine Biology and Ecology*, 180:59-70
- Gudmundsson, G. 1994. Phylogeny, ontogeny and systematics of recent Soritacea Ehrenberg 1839 (Foraminiferida). *Micropaleontology*, 40(2):101-155.
- Hald, M., Steinsund, P.I., Dokken, T., Korsun, S., Polyak, L. and Aspeli, R. 1994. Recent and late Quaternary distribution of *Elphidium excavatum* f. *clavatum* in Arctic seas. Cushman Foundation Special Publication, 32:141-193.
- Hobbs H.H., III. 1994. Biogeography of subterranean decapods in North and Central America and the Caribbean region (Caridea, Astacidea, Brachyura). *Hydrobiologia*, 287(1):95-104.
- Holsinger, J.R. 1994. Pattern and process in the biogeography of subterranean amphipods. *Hydrobiologia*, 287(1):131-146.
- Jennings, A.E. and Helgadottir, G. 1994. Foraminiferal assemblages from the fjords and shelf of eastern Greenland. *Journal of Foraminiferal Research*, 24(2):123-144.
- Jensen, P. 1994. Revision of Etmolaiminae Filipjev & Stekhoven, 1941 (Nematoda, Chromadorida), with descriptions of one new genus and three new species. *Hydrobiologia*, 286:1-15.
- Jorriksen, F., Buzas, M., Culver, S. and Kuehl, S. 1994. Vertical distribution of living benthic foraminifera in submarine canyons off New Jersey. *Journal of Foraminiferal Research*, 24(2):28-36.
- Kaiho, K. 1994. Benthic foraminiferal dissolved-oxygen index and dissolved-oxygen levels in the modern ocean. *Geology*, 22(8):719-722.
- Kitazato, H. 1994. Foraminiferal microhabitats in four marine environments around Japan. *Marine Micropaleontology*, 24(1):29-41.
- Knudsen, K.L. and Seidenkrantz, M. 1994. *Stainforthia feylingi* new species from arctic to subarctic environments previously recorded as *Stainforthia schreibersiana* (Czjzek). Cushman Foundation Special Publication, 32:5-13.
- Langer, M.R. and Gehring, A.U. 1994. Manganese (II) in tests of larger foraminifera from Madang (Papua New Guinea). *Journal of Foraminiferal Research*, 24(3):203-206.
- McCormick, J.M., Severin, K.P. and Lipps, J.H. 1994. Summer and winter distribution of foraminifera in Tomales Bay, Northern California. Cushman

- Foundation Special Publication, 32:69-101.
- Murosky, M.W. and Snyder, S.W. 1994. Vertical distribution of stained benthic foraminifera in sediments of Southern Onslow Bay, North Carolina continental shelf. *Journal of Foraminiferal Research*, 24(3):158-170.
- Murray, J.W. 1994. Larger foraminifera from the Chagos Archipelago: their significance for Indian Ocean biogeography. *Marine Micropaleontology*, 24(1):43-55.
- Murray, J.W. and Alve, E. 1994. Recent benthic foraminiferal distributions in the Kattegat and the Skagerrak, Scandinavia. Cushman Foundation Special Publication, 32:53-68.
- Reid, J.L.W. 1993. Two new species of copepods (Copepoda: Harpacticoida: Canthocamptidae) of particular biogeographical interest from Central Brazil. *Nauplius*, Rio Grand, 1:13-38.
- Reid, J.W. 1993. The harpacticoid and cyclopoid copepod fauna in the Cerrado region of Central Brazil. 1. Species composition, habitats, and zoogeography. *Acta Limnologica Brazillenia*, 6:56-68.
- Reid, J.W. 1991. The harpacticoid and cyclopoid copepod fauna in the Cerrado region of Central Brazil. 2. Community structures. *Acta Limnologica Brasiliensta*, 6:69-81
- Reid, J.W., and Strayer, D.L. 1994. *Diacyclops dimorphus*, a new species of copepod from Florida, with comments on morphology of interstitial cyclopine cyclopoids. *J. N. Am. Benthol. Soc.*, 13(2):250-265.
- Rogulj, B., Marmonier, P., Lattinger, R. and Danielopol, D. 1994. Fine-scale distribution of hypogean Ostracoda in the interstitial habitats of the rivers Sava and Rhône. *Hydrobiologia*, 287(1):19-28.
- Shires, R., Gooday, A.J. and Jones, A.R. 1994. A new large agglutinated foraminifera (Arboramminidae n. fam.) from an oligotrophic site in the abyssal northeast Atlantic. *Journal of Foraminiferal Research*, 24(3):149-157.
- Sket, B. 1994. Distribution of *Asellus aquaticus* (Crustacea: Isopoda: Asellidae) and its hypogean populations at different geographic scales, with a note on *Proasellus istrianus*. *Hydrobiologia*, 287(1):39-48.
- Sket, B. 1994. Distribution patterns of some subterranean crustacea in the territory of the former Yugoslavia. *Hydrobiologia*, 287(1):65-76.
- Stewart, A.C., and Nicholas, W.L. 1994. New species of Xyalidae (Nematoda: Monhysterida) from Australian ocean beaches. *Invertebrate Taxonomy*, 8:91-115
- Stewart, A.C., and Nicholas, W.L. 1994. Fine structure of the head and cervical region of *Ceramonema carinatum* (Chromadorida: Ceramonematidae). *Journal of Nematology*, 26:188-211
- Stock, J.H. 1994. Biogeographic synthesis of the insular groundwater faunas of the (sub)tropical Atlantic. *Hydrobiologia*, 287(1):105-118.
- Sun, B. and Fleeger, J.W. 1994. Field experiments on the colonization of meiofauna into sediment depressions. *Marine Ecology Progress Series*, 110:167-175
- Walters, K. and Bell, S.S., 1994. Significance of copepod emergence to benthic, pelagic and phytal linkages in a subtidal seagrass bed. *Marine Ecology Progress Series*, 108:237-249.
- Ward, J.V. and Palmer, M.A. 1994. Distribution patterns of interstitial freshwater meiofauna over a range of spatial scales, with emphasis on alluvial river-aquifer systems. *Hydrobiologia*, 287(1):147
- Ward, J.V., Stanford, J.A. and Voelz, N.J. 1994. Spatial distribution patterns of crustacea in the floodplain aquifer of an alluvial river. *Hydrobiologia*, 287(1):11-18.
- Williams, H.F.L. 1994. Intertidal benthic foraminiferal biofacies on the central Gulf Coast of Texas: modern distribution and application to sea level reconstruction. *Micropaleontology*, 40(2):169-182.
- Yanko, V., Kronfeld, J. and Flexer, A. 1994. Response of benthic foraminifera to various pollution sources: implications for pollution monitoring. *Journal of Foraminiferal Research*, 24(2):1-17.

## THANKS

This issue of *Psammonalia* came about due to the efforts of many individuals. The editorial staff thanks the following members for their contributions:

Tom Bongers  
 Robert J. Feller  
 Preben Jensen  
 Mary E. Petersen  
 J. Reid  
 Jyotsna Sharma  
 J. V. Ward  
 Donald Zinn



**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. The next International Conference will be July 3-7, 1995 in Perpignan, France.

Membership is open to any person who is actively interested in the study of meiofauna. Annual membership dues are \$10 US and you may pay up to 3 years in advance, i.e., \$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 box:

- New member           
  Renewing member           
  Change of address

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

Address \_\_\_\_\_ Telephone \_\_\_\_\_

\_\_\_\_\_ FAX number \_\_\_\_\_

City, St/Prov \_\_\_\_\_

Zip/Postal Code \_\_\_\_\_

Country \_\_\_\_\_

\$US \_\_\_\_\_ enclosed for \_\_\_\_ years membership at \$10/year.

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

\$US \_\_\_\_\_ TOTAL

Dues must be paid in US dollars. Make checks payable to Int. Assoc. of Meiobenthologists. Send dues and applications to:

Dr. Robert Feller  
Belle W. Baruch Institute  
Univ. of South Carolina  
Columbia, SC 29208 USA

Interests: \_\_\_\_\_  
\_\_\_\_\_

**Ninth International Meiofauna Conference (NIMCO)  
 Perpignan, FRANCE  
 JULY 3-7, 1995**

*NIMCO PRE-REGISTRATION FORM*

SEND TO:

Alain DINET  
NIMCO 95

Laboratoire Arago  
66650 BANYULS-SUR-MER, France

Telephone: (33) 68 88 73 44, FAX: (33) 68 88 73 95

FROM:

Name: \_\_\_\_\_ Title: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_

FAX: \_\_\_\_\_

E-mail: \_\_\_\_\_

- I intend to make an oral presentation,  in English or  in French.
- I intend to present a poster.
- I need the following special audio-visual equipment \_\_\_\_\_

Preferred Session (where 1 is first, 2 is second, and 3 is third choice):

General Contributed Sessions:

- Marine meiofauna
- Freshwater meiofauna
- Deep-sea meiofauna
- Applied studies

Special Sessions

- Structuring biocenoses (Dahms)
- Evolution (Huys)
- Role of meiofauna in ecosystems (Montagna)

Workshop Discussion Groups

- Geochemistry and meiofauna (Vincx)
- Nematodes (Gourbault)

Catalina Pastor de Ward Centro Nacional Patago'nico C.C. 107 (9120) Puerto Madryn Chubut ARGENTINA		Primitivo S. Aceret Dept. of Biology Faculty of Applied Science Univ. of Central Queensland Rockhampton, QLD 4702 AUSTRALIA	Paid to end '95	Alan F. Bird 2 Playford Road Mitcham South Australia 5062 AUSTRALIA	Paid to end 96
Rosemary Brown 193, Deepwater Road Castle Cove NSW 2069 AUSTRALIA	Paid to end'94	Andrew D. Kennedy CSIRO Marine Lab. Div. of Oceanography Leach Street, Marmion P.O. Box 20 North Beach Western AUSTRALIA 6020	Paid to end 94	John Moverley Zoology Department University of Tasmania GPO Box 252C Hobart Tasmania 7001 AUSTRALIA	Paid to end 96
W L Nicholas Dept Zoology Australian National University PO Box 4 Canberra ACT 2600 AUSTRALIA	Paid to end 96	Naja Vørs School of Biological Sciences Zoo A08 University of Sydney Sydney NSW 2006 AUSTRALIA	Paid to end 95	David J. Patterson School of Biological Sciences Zoo A08 University of Sydney Sydney NSW 2006 AUSTRALIA	Paid to end 95
Monika Nebelsick Institut Zoologie Univ. Wien Althanstr. 14 A-1090 Wien AUSTRIA	Paid to end 95	Marc Bergmans Trilpopulieren 36 B-1640 St-G-Rode BELGIUM	Paid to end 96	Koen Martens Institut Royal Des Sciences Naturelles De Belgique Rue Vautier 29 B - 1040 Bruxelles BELGIUM	Paid to end 95
Ann Vanreusel Lab. Morphologie University of Gent Ledeganckstraat 35 B-9000 Gent BELGIUM	Paid to end 96	Magda Vincx Lab. Morfologie Universiteit Gent Ledeganckstraat 35 B-9000 Gent BELGIUM	Paid to end 96	Wolfgang E Sterrer Natural History Museum P.O. Box FL 145 Flatts FLBX BERMUDA	Paid to end 98
T N Corbisier Depto Oceanografia Biologica Instituto Oceanografico-USP PCA DO Oceanografico, 191 Sao Paulo, SP 05508 BRAZIL	Paid to end 95	Prof. L. Forneris Dept. Zoologia Caira Postal 20520 São Paulo BRAZIL		Library Dept. Fisheries and Oceans Pacific Biological Station Nanaimo B.C. V9R 5K6 CANADA	Paid to end 94
Sandy Lipovsky Columbia Science P.O. Box 1001 Royston BC VOR 2VO CANADA	Paid to end 94	Donald G. Webb Dept. of Oceanography Dalhousie University Halifax, Nova Scotia B3H 4J1 CANADA	Paid to end 94	Ricardo Moreno-Osorio C11. 98A #54A-29 Apto. 528 Santafè de Bogotà D.C. COLOMBIA	Paid to end 94
Rogelio Lalana Centro de Investigaciones Marinas 1st Avenida No. 2808 Miramar La Habana CUBA		Cecilia Lopez-Canovas Santovenia 136 esq Patria Cerro Cuidad Haba CUBA		Preben Jensen Marine Biological Lab Helsingor University of Copenhagen Strandpromaenaden 5 DK-3000 Helsingor DENMARK	Paid to end 94
Reinhardt M Kristensen Inst. Compar. Anat. Univ. of Copenhagen 15 Universitetsparken DK-2010 Copenhagen DENMARK	Paid to end 94	Mary E Petersen Zoologisk Museum Universitetsparken 15 DK-2100 Copenhagen O DENMARK	Paid to end 96	Mark Holmes National Museum of Ireland Kildare Street Dublin 2 EIRE	Paid to end 93
Juoko Sarvala Dept. of Biology University of Turku SF-20500 Turku 50 FINLAND	Paid to end 96	J L D'Hondt Lab. Biol. Invertebres Marines Mus. Hist. Naturelle 57 Rue Cuvier F-75 Paris 5 FRANCE	Paid to end 96	Alain Dinet Laboratoire Arago F-66650 Banyuls-Sur-Mer FRANCE	Paid to end 95

Jeanne Renaud-Mornant Lab. de Biol. des Invertébrés Marins Museum National D'Histoire Naturelle 57 Rue Cuvier F-75231 Paris Cedex 05 FRANCE	No Interest	Pierre Vitiello Labo. Biologie Marine Faculté Sciences Luminy 13288 Marseille Cedex 09 FRANCE	Paid to end 96	L. Villiers S.M.S.R. - B B.P. 208 Monthery Cedex 91311 FRANCE	Paid to end 95
Buat Patrick Orstom BP. 529 Papeete - Tahiti FRENCH POLYNESIA	Paid to end 94	Gunter Arit Sektion Biologie Universität Rostock Freiligrathstr. 7/8 2500-Rostock GERMANY	Paid to end 94	Ilse Bartsch Biologische Anstalt Helgoland Notkestr. 31 D-2000 Hamburg 52 GERMANY	Paid to end 94
Werner Armonies Biologische Anstalt Helgoland Litoralstation D-2282 List / Sylt GERMANY	Paid to end 94	Peter Ax II. Zoologisches Institut Universität Göttingen Berliner Str. 28 D-3400 Göttingen GERMANY	Paid to end 95	Dietrich Blome TERRAMARE Schleusenstr. 14 26382 Wilhelmshaven GERMANY	Paid to end 96
Christian Bussau Zoologische Institut Universität Kiel (Biologie Zentrum) Olshausen Strasse 40-60 2300 Kiel GERMANY	Paid to end 95	Hans-U. Dahms Fachbereich 7 (Biologie) C.V. Ossietzky Univ. Oldenburg D-26111 OLDENBURG GERMANY	Paid to end 95	Ulrich Ehlers II. Zoologisches Institut Universität Göttingen Berlinerstr. 28 D-37073 Göttingen GERMANY	Paid to end 95
Beate Sopott-Ehlers II. Zoologisches Institut Universität Göttingen Berliner Straße 28 D-37073 Göttingen GERMANY	Paid to end 95	Sebastian Gerlach Institut für Meereskunde Dusternbrooker Weg 20 D-24105 Kiel GERMANY	Paid to end 96	Olav Giere Zool. Inst. Museum Universität Hamburg Martin-Luther-King Pl. 3 D-2000 Hamburg 13 GERMANY	Paid to end 95
Thomas Glatzel Fachbereich 7 C.V.O. Universität Oldenburg 26111 GERMANY	Paid to end 96	Dipl. Biol. Onno Groß Institut Museum für Geologie Paläontologie Universität Tübingen Sigwartstrasse 10 72076 Tübingen GERMANY	Paid to end 95	Eike Hartwig INUF Verein Jordsand Haus de Natur D-22926 Ahrensburg GERMANY	Paid to end 95
M. Rieper Kirchner Biologische Anstalt Helgoland Meeresstation D-27498 Helgoland GERMANY	Paid to end 96	Wolfgang Mielke II. Zoologisches Institut Universität Göttingen Berliner Str. 28 D-3400 Göttingen GERMANY	Paid to end 94	Gunter Purschke Fachbereich Biologie/Chemie Universität Osnabrück Barbarastr. 11 D-49069 Osnabrück GERMANY	Paid to end 96
Nicola Reif Aidenbachstr. 111A D-81379 München 70 GERMANY	Paid to end 96	Franz Riemann Inst. for Polar and Marine Research Postfach 120161 Columbusstrasse D-27568 Bremerhaven 1 GERMANY	Paid to end 94	Wolfgang Riess Hermann-Kauffmann-Straße 42 2000 Hamburg 60 GERMANY	Paid to end 95
Gerd Schriever Zool. Inst. Biologie-Zentrum Olshausenstr. 40 D-2300 Kiel 1 GERMANY	Paid to end 94	B Sopott-Ehlers II. Zoologisches Institut Universität Göttingen Berliner Str. 28 D-37073 Göttingen GERMANY	Paid to end 95	Ulrich Ehlers II. Zoologisches Institut Universität Göttingen Berliner Str. 28 D-37073 Göttingen GERMANY	Paid to end 95
Desiree Dietrich Univ. of Rostock Dept. Biology, Marine Zoology Freiligrathstr. 7/8 18057 Rostock GERMANY	Paid to end 95	Gebhard Kraft Georg-Clasen-Weg 17 22415 Hamburg 62 GERMANY	Paid to end 96	Siewert Lorenzen Zool. Inst Biologie-Zentrum Olshausenstr. D-24098 Kiel GERMANY	Paid to end 94

Sven Petersen Univ. of Rostock Dept. Biology, Marine Zoology Freiligrathstr. 7/8 18057 ROSTOCK GERMANY	Paid to end 94	Volker Storch Zoologisches Institut Universität Heidelberg Im Neuenheimer Feld 230 D-6900 HEIDELBERG 1 GERMANY	Paid to end 94	Frank Thiermann C/O Dr. Giere Universität Hamburg Zoologisches Institut und Museum Martin-Luther King Platz 3 20146 Hamburg GERMANY	Paid to end 95
Walter Traunspurger Universität München Seidlstr. 25 80335 MUENCHEN GERMANY	Paid to end 95	Deiter Waloßek Zoologisches Institut der Universität Olshausenstraße 40 (Biologiezentrum) D-24098 KIEL GERMANY	Paid to end 96	Wilfried Westheide Universität Osnabrück FB5/spezielle Zoologie Postfach. 4469 D-4500 Osnabrück GERMANY	Paid to end 95
Kay Vopel Univ. of Rostock Dept. Biology, Marine Zoology Freiligiathstr. 7/8 18057 ROSTOCK GERMANY	Paid to end 95	Stefen Zimmermann Institut für Meereskunde an der Universität Kiel Abt. Meereszoologie Düsternbrooker Weg 20 D-2300 KIEL GERMANY		Inst. for Mar. Biol. of Crete P.O. Box 2214 71003 Iraklion Crete GREECE	94
Nikos Lampadariou Institute of Marine Biology of Crete P.O. Box 2214 7100 03 Iraklio CRETE, GREECE	Paid to end 95	Yvonne Leahy Institute of Marine Biology P.O. Box 2214 710003 Iraklion Crete GREECE	Paid to end 93	Nadia Papadopoulou Institute of Marine Biology of Crete P.O. Box 2214 710003 Iraklion Crete GREECE	Paid to end 95
Eugenia Roidou Institute of Marine Biology of Crete P.O. Box 2214 71003 Iraklion Crete GREECE	Paid to end No Interest	Tania Zachariadou Min. of Industry Energy and Technology National Centre for Marine Research 16604 Hellenikon Athen GREECE	Paid to end 94	N Balakrishnan Nair Dept. Aquatic Biol. Fisheries Univ. Kerala Beach PO Trivandrum 695007 INDIA	Pd to end
Tapas Chatterjee Indian School of Learning I.S.M Annexe P.O. - I.S.M. Dhanbad - 826004 Bihar INDIA	Paid to end 94	N C Datta Fishery and Ecology Research Unit University of Calcutta Calcutta 700019 INDIA		Olivia J Fernando C.A.S in Marine Biology Parangipettai Tamil Nadu State 608 502 INDIA	Pd to end No Int.
P N Ganapati Department of Zoology Andhra University Waltair INDIA	Paid to end No Interest	G C Rao Zoology Survey of India Port Blair 744101 INDIA		K Venkateshvaran Center Adv. Study Mar. Biol. Porto Novo 608502 INDIA	No Interest
T G Department of Zoology Government College Madappally Badagara 673102 INDIA	Paid to end No Interest	Suhartati M.N Jl. Pasir Putih 1 Ancol Timur P.O. Box 4801/JKTF Jakarta 11048 INDONESIA	Paid to end 94	Marco Galletti Dipartimento di Science dell' Ambiente Territorio Via Volta 6 I-56100 Pisa ITALY	Paid to end 94
Piero Grimaldi Inst. Zool. Anatom. Compar. Via Amendola 165/A I-70126 Bari ITALY	Paid to end 94	Suzanna Grimaldi Inst. Zool. Anatom. Compar. Via Amendola 165/A I-70126 Bari ITALY	Paid to end 94	Roberto Sandulli CASTALIA Centro Ricerche Via Borzoli, 79/A r 16161 GENOVA ITALY	Pd to end 94
Nicoletta Villano Via Marconi 29 Noventa PD 35027 ITALY	Pd to end 95	Kim Dong Sung Ocean Research Institute University of Tokyo 1-15-1 Minamidai Nakano-KU, Tokyo 164 JAPAN	Pd to end 94	Shin-ichi Hiruta Biological Laboratory Kushiro College Hokkaido Univ. of Education Kushiro 085 JAPAN	Pd to end 94

Y Kikuchi Itako Hydrobiol. Station Ibaraki Univ. Ohu Itako-Machi Ibaraki-Ken 311-23 JAPAN	Pd to end 96	Kenji Kito Department of Biology Sapporo Medical College Sapporo 060 JAPAN	Pd to end 94	Yoshihisa Shirayama Ocean Research Institute University of Tokyo 1-15-1 Minami-dai, Nakano-Ku Tokyo 164 JAPAN	Pd to end 95
R Yamanishi Osaka Museum Natural History Nagai Park Higashi-Sumiyoshi-Ka Osaka 546 JAPAN	Pd to end 96	Ken-Ichi Tajika Dept. of Biology - School of Medicine Nihon University Oyaguchi, Itabashi Tokyo 173 JAPAN	Pd to end 96	Katsuki Yoshimura Ube College Bunkyo 5-40 Ube 755 JAPAN	Pd to end 94
A Sasekumar Zoology Department University of Malaya Kuala Lumpur 59100 MALAYSIA	Pd to end 96	Samuel E. Gomez-Noguera Instituto de Ciencias Del Mar Y Limnologia, Est. Mazatlan, Explanada De La Azada Y Cerro Del Creston, AP. Post. 811, Mazatlan, Sinaloa 82240 MEXICO	Pd to end 96	Esther Martinez-Murillo Lab. Protozoologia Fac. Ciencias UNAM Apdo. Postal 70-374 D.F. 04510 MEXICO	Pd to end 96
A Aladro Lubel Lab. Protozoologia Fac. Ciencias UNAM Apdo. Postal 70-374 D.F. 04510 MEXICO	Pd to end 96	Library - Bibliothèque Musée Océanographie Avenue San Martin Monaco Ville MONACO	Pd to end 94	Geoffrey R F Hicks Museum of New Zealand PO. Box 467 Wellington 1 NEW ZEALAND	Pd to end 95
Dr. Geoffrey B. Read 12 Oriel Place, Tawa Wellington NEW ZEALAND	Pd to end 96	Claus Clausen Zoologisk Laboratorium Allégt. 41 N-5007 Bergen NORWAY	Pd to end 96	Jui-Yu Lui Institute of Oceanology Academia Sinica 7 Nan-Hai Road Qingdao PEOPLES REPUBLIC OF CHINA	No Int.
Bao-Ling Wu First Institute Oceanography State Oceanic Administration 3 Hongdao Zhi Road Qingdao 266003 PEOPLES REPUBLIC OF CHINA	Pd to end 96	Zhinan Zhang Department of Marine Biology Ocean Univeristy of Qingdao Qingdao Shangdon PEOPLES REPUBLIC OF CHINA	Pd to end 94	Marek Labuda Department of Ecology Pedagogical College ul. Arciszewskiego 22b 76-200 Supsk POLAND	Paid to end No Interest
Maria Szymelfenig Instytut Oceanografii Uniwersytet Gdanski ul. Pilsudskiego 46 81-378 Gdynia POLAND	Pd to end 95	Helena Adao Universidade De Évora Departamento De Biologia Apartado 94 7001 Évora Codex PORTUGAL	Paid to end 96	Carmen S. Rosado DIEE R. Filipe Folque 46-5 1000 Lisboa PORTUGAL	Pd to end 95
Instituto Portugues de Investigacao '94 Maritima Div Informacao e Documentacao Avenida de Brasilia 1400 LISBOA PORTUGAL		Valeria Mack-Fira Facultae Biologie Lab. Zool. Nevertebratelor Splaiul Independ 91-95 Sect. 6 Bucaresti 35 RUMANIA	No Int.	Corneliu Plesa Str. Gh. Dima 28/27 3400 Cluj-Napoca 6 RUMANIA	
E Serba Inst. Speleologie Str. Moxa 9 7000-Bucaresti 12 RUMANIA	Pd to end No Int.	Mohammed S Hariri Marine Biology Department Marine Science College King Abdulaziz University P.O. Box 1540 Jeddah 21441 SAUDI ARABIA	Pd to end 96	Fiona Hannah Univ. Marine Biol. Station Millport, Isle of Cumbrae SCOTLAND KA28 0EG	Pd to end 96
Anton McLachlan Department of Zoology University Port Elizabeth P. O. Box 1600 Port Elizabeth SOUTH AFRICA	Pd to end 94	J. P. Furstenberg Dept. of Zoology, UPE, P.O. Box 1600 Port Elizabeth 6000 SOUTH AFRICA	Paid to end 95	D Jeannette Whitehorn Div. E.M.A. Science & Technology P. O. Box 17001 Congella 4013 Natal SOUTH AFRICA	Paid to end 93

Jesus Benito Dpto Biología Animal 1 Zoología de Invertebrados Facultad de Biología Univ. Complutense de Madrid 28040 Madrid SPAIN	Paid to end 94	Srta Letizia Herrera Pd. to end 95 Dpto Biología Animal 1 Zoología de Invertebrados Facultad de Biología Univ. Complutense de Madrid 28040 Madrid SPAIN	David Masalles Pl. Peso de la Paja No. 3 08001 Barcelona SPAIN	Paid to end 96
Fernando Pardos Dpto Biología Animal 1 Zoología de Invertebrados Facultad de Biología Univ. Complutense de Madrid 28040 Madrid SPAIN	Pd to end 94	Santiago Villora Dept. Biología Animal Universitat de Valencia Dr. Moliner 50 46100 Burjasot SPAIN	Ragnar Elmgren Department of Systems Ecology University of Stockholm S-106 91 Stockholm SWEDEN	Paid to end 95
Christer Erseus Dept. Invertebrate Zoology Swedish Museum Nat. Hist. Box 50007 S-10405 Stockholm SWEDEN	Paid to end 96	Willem Goedkoop Inst. of Limnology Uppsala Univ. Norbyvägen 20 S - 752 36 Uppsala SWEDEN	Tor G Karling Invertebrate Zoology State Museum of Natural History S-50 Stockholm 50 SWEDEN	
I Olsson National Board Fisheries P. O. Box 2565 S-403 17 Goteborg SWEDEN	Paid to end 94	Bertil Widbom Department of Zoology University of Stockholm S-106 91 Stockholm SWEDEN	Chittima Aryuthaka Department Marine Science Faculty of Fisheries Kasetsart Univeristy Bangkhen, Bangkok 10903 THAILAND	Paid to end 95
Supawadee Chullasorn Department of Biology Faculty of Science Ramkhamhaeng University Bangkok 10240 THAILAND	Paid to end 95	Library (General) British Museum (Natural History) Cromwell Road London SW7 5BD U.K.	Sophie Conroy-Dalton Zoology Department The Natural History Museum Cromwell Road London SW7 5BD U.K.	Paid to end 94
Melanie Austen Plymouth Marine Lab Prospect Place West Hoe Plymouth PL1 3DH U.K.	Paid to end 95	Peter Barnett Marine Biological Station Millport Isle of Cumbrae KA28 0EG U.K.	John W Coles 15 Rushfield Road Liss Hampshire, Gu33 7LW U.K.	Paid to end 96
Tim Ferrero Dept. Zoology The Natural History Museum Cromwell Road London SW7 5BD U.K.	Paid to end 94	J Michael Gee Plymouth Marine Lab Prospect Place West Hoe Plymouth PL1 3DH U.K.	Judy Gobin Plymouth Marine Laboratory Prospect Place West Hoe Plymouth PL1 3DH U.K.	Paid to end 95
A Gooday Deacon Laboratory Institute of Oceanographic Science Godalming GU8 5UB U.K.	Paid to end 96	Stephen Jarvis School of Ocean Sciences University of Wales, Bangor Menai Bridge Gwynedd LL59 5EY U.K.	School of Ocean Sciences Menai Bridge Gwynedd LL59 5EY U.K.	
Nigel Marley Dept. Biological Sciences Univ. of Plymouth Plymouth, Devon PL4 8AA U.K.	Paid to end 94	H L Rees Directorate of Fisheries Research MAFF Fisheries Laboratory Remembrance Avenue Burnham on Crouch CM0 8HA U.K.	Richard M Warwick Plymouth Marine Lab Prospect Place West Hoe Plymouth PL1 3DH U.K.	Paid to end 95
Paul Somerfield Plymouth Marine Laboratory Prospect Place The Hoe Plymouth PL1 3DH U.K.	Paid to end 95	Joan M Bernhard DCS Biophysics Wadworth Centre for Labs & Res. Empire State Plaza P.O. Box 509 Albany NY 12201 USA	Susan S Bell Department of Biology University of South Florida Tampa FL 33620 USA	Paid to end 95

Tom Bongers Department of Invertebrate Zoology National Museum of Natural History Smithsonian Institution Washington, D.C. 20560 USA	Pd to end 94	Albert Carranza 76 Creek Court Cotati, CA 94931 USA	Paid to end 94	Leon M Cammen National Sea Grant College Prog. R/ORI 1335 East-West Highway Silver Springs MD 20910 USA	Paid to end 96
Kevin R. Carman Dept. of Zoology Louisiana State University Baton Rouge, LA 70803 USA	Paid to end 96	Jeffrey R Cordell 260 Fisheries Center WH-10 University of Washington Seattle WA 98195 USA	Paid to end 96	Bruce C Coull Belle Baruch Inst. for Marine Science University of South Carolina Columbia SC 29208 USA	Paid to end 96
F C Dobbs Department of Oceanography Old Dominion University 1054 West 17th Street Norfolk, VA 23529-0276 USA	Paid to end 95	David Dow Northeast Fisheries Center Woods Hole Lab Woods Hole MA 02543 USA	Paid to end 96	Jack D Farmer NASA-Ames Research Centre MS 239-4 Moffet Field CA 94035 USA	Paid to end 96
Robert J Feller Belle Baruch Inst. for Marine Science University of South Carolina Columbia SC 29208 USA	Paid to end 93	J M Ferris Department of Entomology Purdue University Lafayette, IN 47907 USA	Paid to end 96	Virginia R Ferris Department of Entomology Purdue University West Lafayette, IN 47907 USA	Paid to end 96
J W Fleeger Department of Zoology and Physiology Louisiana State University Baton Rouge LA 70803-1725 USA	Paid to end 96	James J Friauf 909 Ashby Drive Brentwood TN 37027-6513 USA	Paid to end 95	Stuart R Gelder 181 Maine Street University of Maine Presque Island, ME 04769 USA	Paid to end 94
Christopher Gregg Louisiana State Univ. Dept. Zoology & Phys. Baton Rouge, LA 70803 USA	Paid to end 95	Chris Hakenkamp Department of Zoology University of Maryland College Park Maryland 20742 USA	Paid to end 95	Dean Harlan Department of Invertebrates Museum of Comparative Zoology 26 Oxford St Cambridge, MA 02138 USA	Paid to end 93
Colin O. Hermans Department of Biology Sonoma State University Rohnert Park CA 94928 USA	Paid to end 94	Robert P Higgins 2 Pond Lane Ashville, NC 28804 USA	Paid to end 95	W Duane Hope Department of Invertebrate Zoology National Museum Natural History Smithsonian Institution Washington D.C. 20560 USA	Paid to end 97
Margaret Hummon Department of Zoology Ohio University Athens OH 45701 USA	Paid to end 96	William D Hummon Department of Zoology Ohio University Athens OH 45701 USA	Paid to end 96	C A Kolba 72-13 Juniper Valley Road Middle Village NY 11379 USA	Paid to end 95
Library/Serials Oregon State University Kerr Library 121 Corvallis, OR 97331-4503 USA	Paid to end 95	Jian Li P.O. Box 1267 University of Texas Marine Science Inst. Port Aransas, TX 78373 USA	Paid to end 94	James R Litton P.O. Box 928 Baltimore, MD 21203-0928 USA	Paid to end 96
Marianne K Litvaitis University of New Hampshire Dept. Zoology Spaulding Life Science Building Durham NH 03824 USA	Paid to end 96	Guilherme Lotufo Dept. Zoology & Physiology Louisiana State University Baton Rouge LA 70803 USA	Paid to end 94	Ned Lyke Department of Biological Sciences California State University Hayward CA 94546 USA	Paid to end 94



LUMCON Library 8124 Hwy 56 Chauvin, LA 70344-2124 USA	Paid to end 94	Darcy Lonsdale Marine Sciences Res. Center SUNY at Stony Brook Stony Brook, NY 11794-5000 USA	Paid to end 96	Brian M Marcotte S.A.I. Foundation 49, Lake Street Auburn ME 04210 USA	Paid to end 95
Karen McGlothlin Clemson University Department of Biology 132 Long Hall Clemson SC 29634 1903 USA	Paid to end 96	Paul A. Montagna University of Texas Marine Science Institute P.O. Box 1267 Port Aransas, TX 78373 USA		Patricia M Morse Marine Sci. and Maritime Studies Ctr. Northeastern University East Point Nahant MA 01908 USA	Paid to end 93
Diane R Nelson Dept. Biological Sciences East Tennessee State University Box 70703 Johnson City TN 37614 USA	Paid to end 95	Birger Neuhaus Dept Invert. Zoology Nat. Mus. Nat. Hist. Smithsonian Institution NHB 163 Washington DC 20560 USA	Paid to end 95	Margaret Palmer Department of Zoology University Maryland College Park MD 20742 USA	Paid to end 95
Janet W Reid MRC-163 Smithsonian Institution Washington D.C. 20560 USA	Paid to end 95	Pamela Roe Department of Biological Science California State Univ. Stanislaus Turlock CA 95382 USA	Paid to end 94	Barun K. Sen Gupta Department Geology and Geophysics Louisiana State University Baton Rouge, LA 70803 USA	Paid to end 96
Thomas C Shirley Juneau Center for Fisheries and Ocean Science University Alaska Juneau AK 99801 USA	Paid to end 96	Marcia Shofner Dept. of Zoology Univ. of Maryland College Park, MD 20742 USA	Paid to end 94	J. Sharma 410 Happy Trail San Antonio TX 78231 USA	Paid to end 96
Nikolaos V. Schizas Belle W. Baruch Inst. for Marine Biol. University of South Carolina Columbia, SC 29205 USA		J P S Smith III Dept. of Biology Winthrop College Rock Hill SC 29733 USA	Paid to end 96	Greg T. Street P.O. Box 1267 University of Texas Marine Science Institute Port Aransas, TX 78373 USA	Paid to end 95
Molly V Sturdevent NOAA, NMFS Auke Bay Laboratory 11305 Glacier Highway Juneau Alaska 99801 USA	Paid to end 94	David Thistle Department of Oceanography Florida State University Tallahassee Fl. 32306 USA	Paid to end 95	Jonathan P. Toal c/o Kinnetic Laboratories, Inc. 307 Washington Street Santa Cruz, CA 95060 USA	Paid to end '96
Antonio Todaro Dept. of Zoology Physiology- LSU Baton Rouge, LA 70803 USA	Paid to end 94	Paul N Turner Dept. Biol. Sci. #26 Wichita State Univ. Wichita, KS 67260-0026 USA	Paid to end 94	Seth Tyler Department of Zoology Murray Hall University of Maine Orono ME 04469 USA	Paid to end 95
Keith Walters Marine Institute University of Georgia Sapelo Island GA 31327 USA	Paid to end 96	Mitchell J Weiss 51-B Phelps Avenue New Brunswick NJ 08901 USA	Paid to end 95	Abbie Yorkoff Nat. Mus. Nat. Hist. Dept of Invert. Zoology MS 163 Smithsonian Institution Washington DC 20560 USA	Paid to end 96
Donald J Zinn P. O. Box 589 Falmouth MA 02541 USA		V V Galtsova Zool. Inst. Akad. Sci. SSSR Universitetskaja Embankment 1 Leningrad V-164 RUSSIA		Nelly G Sergeeva Inst. Biol. South Sea Academy of Sciences USSR 2 Nakhimow Ave. Sevastopol 335000 RUSSIA	

Alexander Tzetlin  
Department of Invertebrate Zoology  
State University of Moscow  
119899 Moscow  
RUSSIA

Jasna Vidakovic  
Center for Marine Research  
Institute Ruder Boskovic  
52210 Rovinj  
YUGOSLAVIA