

# PSAMMONALIA

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Membership in the Association is open to anyone who wishes to join. There are no prerequisites. Annual dues of 4 US dollar, payable in belgian francs (appr. 200 BF), include subscription to Psammonalia. Payment for one year in advance is acceptable. Payment should be made to THE INTERNATIONAL ASSOCIATION OF MEIOBENTHOLOGISTS by international money order or draft in belgian francs on A.S.L.K., Normaalschoolstraat 16, B-9000 Gent, Belgium, account nr. 001-1189354-16.

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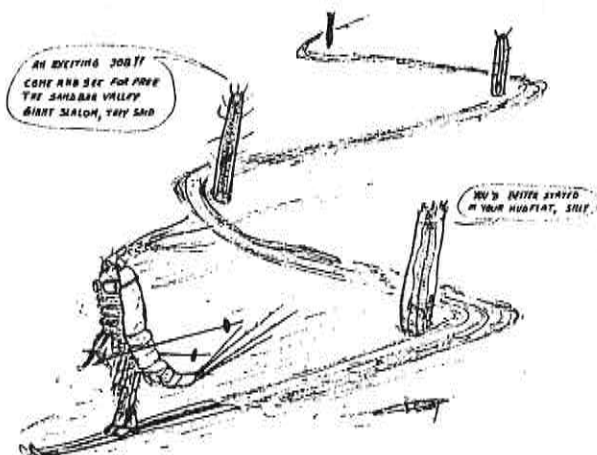
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FROM THE EDITOR

Elections

Elections for the new chairman and two members of the Executive Committee are to be held in 1983. Nominations have to be made before April 1st 1983 by two members. Wolfgang Sterrer and Philippe Bodin are the members to be replaced. The chairman is to be elected for a two year period, starting from January 1984. The members of the Executive Committee are elected for four years, also starting from January 1984.

I have not received any nominations up to now. As the Association is still alive and well, I expect people will be easy to find, so please give it a little thought. It is important for our future!



BEST WISHES FOR 1983

*Magday*  
*Carly*

NEW OR REINSTATED MEMBERS

- |  |    |   |    |  |    |
|--|----|---|----|--|----|
| ANDERSON, A M<br>1328-72 Street<br>EDMONTON, Alberta<br>CANADA T6K 2S9                           | 83 | BOUCHER, Guy<br>Station Biologique<br>Pl Georges-Teissler<br>F-29211 ROSCOFF<br>FRANCE                | 83 | MCLELLAND, Jerry A<br>Dept Zoology<br>Louisiana State Univ<br>BATON ROUGE, LA 20803<br>USA                         | 83 |
| BAKER, Randy M<br>Dept Biology<br>Univ of Victoria<br>PO Box 1700, VICTORIA BC<br>CANADA V8W 2Y2 | 84 | COUTEAUX, Marie M<br>Lab Ecologie generale, MNHN<br>4, Av. du Petit Chateau<br>91800 BRUNOY<br>FRANCE | 83 | MORGAN, Clive I<br>Dept Bio Sciences<br>Glasgow Coll of Technology<br>Cowcaddens Rd, GLASGOW G4 0BA<br>SCOTLAND UK | 83 |
| BASFORD, David<br>DAFS Marine Lab PO Box 101<br>Victoria Road<br>ABERDEEN AB9 8D9<br>SCOTLAND UK | 84 | FARRIS, R A<br>Dept Biology<br>Linfield College<br>McMINNVILLE, OR 97128<br>USA                       | 83 | SEMROUD, Rachid<br>C.R.O.P.<br>BP 90 Alger-Bourse<br>Jettee Nord, ALGER<br>ALGERIA                                 | 84 |
| BLAKE, James A<br>Battelle Marine Res Lab<br>PO Drawer AH<br>DUXBURY, MA 02332<br>USA            | 84 | GARCIA, Nicole<br>Lab de NEMATOLOGIE<br>Centre O.R.S.T.O.M.<br>BP 1386<br>DAKAR SENEGAL               | 83 | WOODS, Donald R<br>Dauphin Island Sea Lab<br>PO Box 369-370<br>DAUPHIN ISLAND, AL 36528<br>USA                     | 83 |

CHANGED OR CORRECTED ADDRESSES

- |   |    |  |    |   |    |
|---|----|--|----|---|----|
| BURNETT, Bryan<br>Meixa Tech<br>1624, DeBann Road<br>CARDIFF, CA 92007<br>USA     | 84 | KOLBA, C A<br>72-13 Juniper Valley Road<br>Middle Village<br>NY 11379<br>USA                 | 83 | REID, Janet W<br>IZ-NBH-163<br>Smithsonian Institution<br>WASHINGTON, DC 20560<br>USA | 83 |
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| KITO, Kenji<br>Dept of Biology<br>Sapporo Medical College<br>SAPPORO 050<br>JAPAN | 83 | POIZAT, C<br>Lab Biologie Marine<br>Rue Henri Poincare<br>13397 MARSEILLE CEDEX 13<br>FRANCE | 84 |   |    |

TREASURER'S REPORT 1982

	N°55 2/82	N°56 5/82	N°57 8/82	N°58 11/82	N°59 2/83
Balance forward	\$2326.4	\$2519.0	\$2541.9	\$2562.9	\$2730.2
Deposits	268.0	127.7	111.9	249.8	423.8
Total	2594.4	2646.7	2653.8	2812.7	3154.0
Expenses	75.4	104.8	90.0	82.5	
Balance	\$2519.0	\$2541.9	\$2562.9	\$2730.2	

Please, pay attention to the fact that it is necessary to contribute the due of the membership in the monetary unit of the country where the treasurer works, because the exchange cost of f.i. US dollars into Belgian Francs is too high (between 3-4 US \$ costs for the exchange of a draft).

An international post order or a transfer to an account number of the local bank (in the local currency) are preferable and favourable to both payer and receiver.

I hope you will take this into account when you pay the registration fee of the VIMCO-congres (16-20 Aug, 1983 in Gent).

M. Vincx, treasurer IAM.

FROM THE MEMBERS

Nicole Garcia, Laboratoire de Nematologie, Centre O.R.S.T.O.M., BP 1386, Dakar, Senegal.

I was a student of Pierre Vitiello and graduated at the Marine Station of Endoume with a thesis on 'Biological cycles and evaluation of the production of marine free-living nematodes'. At the moment and for one year I work in the Nematology Laboratory of Dakar under the direction of Georges Reversat.

Summary of thesis (translated from French)

The life cycles of four species of marine nematodes, maintained in culture, was elucidated. Temperature is one of the factors that influence profoundly the development of these animals. The extreme dependence of generation time on temperature offers the possibility to model the maximum generation time of every nematode species maintained in culture.

Study of population dynamics leads to the evaluation of growth rates which are strongly influenced by variations in temperature and salinity. With the help of biomass measured during two periods of the year in the natural environment and with production estimates obtained from cultured organisms, the production of the nematode fauna was estimated in winter and in summer.

Robert W. Pennak, EPO Biology, Box 334, University of Colorado, Boulder, CO 80309, USA.

Dear Dr. Heip,

Your remark of commiseration in the last issue of *Psammonalia* concerning the lack of fresh-water research on the meiofauna (and psammolittoral?) within our Society struck a familiar note, so far as I am concerned.

My own papers in the fresh-water (and marine) psammolittoral were mostly published between 1939 and 1943. At that time I (naively) thought that the work would be instrumental in establishing the field and in stimulating other researchers to take up continuing investigations. Much to my sorrow, however, little has since been done on the fresh-water psammolittoral habitat.

I wish I knew how to compensate for this disinterest in the fresh-water environment. In talking to potential workers, I have found that there often seems to be a reluctance to take up such studies because of the tedium involved in separating the organisms from their substrate and also in the long hours that must be spent at the microscope. In addition, there is a further reluctance to become interested in the taxonomy of the various microzoan groups inhabiting aquatic interstitial habitats.

The mountainous area in which I have lived for the past 44 years has few suitable habitats, and, with the exception of a few interstitial papers, my major research has centered around stream and lake biology.

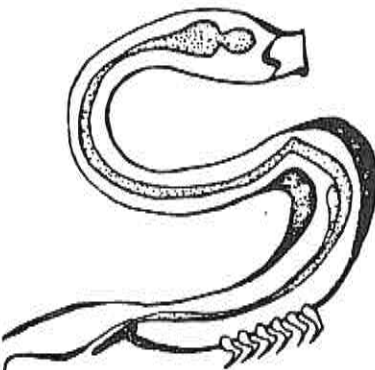
Now, however, I am semi-retired and am turning to the biology of the hyporheic habitat. I hope such efforts will attract the interest of other (young) American zoologists.

425

August 22 - 25, 1983

Centre d'Etudes d'Océanographie  
et de Biologie marine

29211 ROSCOFF



# SYMPOSIUM ON AQUATIC NEMATODES

NAME.....

Accompanied by .....

Accommodation in the laboratory quarters.....

Single room  double bed room

Small flat for n = people.....

Hôtel.....

Transport

By private car.....

By train.....

From Gent to Roscoff via Paris  
(Gent-Bruxelles-Paris-Morlaix-Roscoff)

S.N.C.F. Gent-Paris 1er cl. 191 FF  
2e cl. 129 FF

Paris-Morlaix 1er cl. 290 FF  
2e cl. 193 FF

Morlaix-Roscoff 1er cl. 22 FF  
2e cl. 15 FF

FROM..... to Roscoff  
via Paris

Do you need a "fiche congrès" ?      yes  
no

By plane

From Paris-Orly Ouest to Brest-Guipavas  
(Air Inter 613 FF).

by car-ferry from Plymouth (276 FF)



RETURN ? .....  
.....

I wish to present a brief informal talk (5-10 min).

a more formal paper (20 min)

a poster



Author (s) .....

Provisional title.....  
.....  
.....

Suggestions for the Symposium.....  
.....

Please, return this form by 1 may 1983 to :

Dr. Nicole GOURBAULT  
Laboratoire des Vers MNHN  
61, rue Buffon  
75231 PARIS CEDEX 05

Topic : *Systematics, anatomy, ecophysiology and ecology of aquatic nematodes.* The symposium is the appropriate platform to keep in contact the nematode taxonomists, more and more specialized in certain taxa and the ecologists. The organizers want to encourage discussions on the roles played by nematodes in the benthic food web and on the use of the species as bioindicators for monitoring ecosystems and experimental ecology.

Date : Arrival Sunday August 21. Departure August 25 - 1983.

#### Participation.

We are pleased to report that 42 participants have indicated their intention to attend the meeting. A list, as of 31 January 1983, is enclosed with this announcement. All of them will get an official invitation from C.N.R.S. as a document to reinforce their application for travel funds.

#### Location.

The meeting will be held at the "Centre d'Etudes d'Océanographie et de Biologie marine", the position of which is indicated on the enclosed map of Roscoff, 1 Place Georges Teissier, tél.: (98) 69.72.30.

#### Accommodation

Preference for the type of accommodation is in favour of laboratory quarters. This accommodation comprises more or less comfortable rooms (20 FF per night), double rooms (twin beds, 30 FF for two) and small flats (one room with double and single beds, bath room and kitchen, 50 FF per night). Both breakfast, lunch (and even dinner) can be provided at respective cost of 5 FF and 35 FF. If any participants still prefer hotel accommodation, which will obviously be much more expensive, please let us know as soon as possible.

You were numerous to fill our first application, but some of you have not yet made up their mind about their needs. We would like to know what room you may desire right now to make the proper reservations because there is a very heavy rush for the institute accommodation in August.

In fact there are only very few single rooms available would you be so kind as to indicate to Nicole if you might agree to share a double room or a flat with a colleague to avoid more expensive hotel reservation. Do you volunteer?

#### Travel

The majority of people coming to Roscoff will be attending the International meiofauna conference in Gent beforehand. If there is sufficient demand, we will organize a group reservation for the train for instance. It is worthwhile since those coming directly will have to go through Paris and may join other meio-benthologists there.

Train schedule is lightly different in summer but there are many trains from Paris to Morlaix-Roscoff (approximately 8:30 - 11:30 - 2:30 pm - or if you wish to spend an afternoon in Paris 10:30 pm) it takes more or less 6 hours to reach Roscoff. If we are at least 30 to book the train you will get a "fiche congrès SNCF" which cuts down 20% of the price.

There is a cross-Channel car ferry direct from Plymouth to Roscoff.

Most participants have agreed to give a presentation of their current research. Like in Plymouth we plan to organise two kinds of sessions: one for those who wish to give a short (5-10min) informal talk and one for more formal papers (about 20 mins each). Normal slide projectors and overhead projectors will be available. The speakers should let us have the title as soon as possible. There are no plans to publish all the papers and already said participants are encouraged to present work in progress. Some possibilities of publication in "Cahiers de Biologie Marine" could be offered during the year following the symposium. About 8 papers could be selected based on their relevance by the editorial board of this review and published in the four issues of the year.

The workshop part of the meeting will consist of round-table discussions on various topics, investigation of special taxonomic problems by examination of material, discussion of techniques and synthesis on the main problems raised by nematode ecology.

We will be asking several of you individually if you would be prepared to lead certain discussions or provide a demonstration, and it does not seem appropriate to draw up a formal structure for this part of the meeting at this stage. We will send you a third and final announcement, together with more details of the programme, in June.

#### Social Activities.

You are all invited to the laboratory quarters for an informal gathering in the evening of Sunday 21 August.

A boat trip in the Morlaix Bay will allow you to visit the "Château du Taureau" a diving center with plenty of drinks to warm you!

Another boat trip to "Ile de Batz" will make you familiar with the native Breton customs and food.

#### Symposium Fee.

We hope to keep costs to a minimum that will not exceed 100 FF and need not be paid in advance.

Guy BOUCHER

Nicole GOURBAULT

#### PRELIMINARY LIST OF PARTICIPANTS

Austria	France	Italy	U.K.
ENDERES F.	ARPIN P.	PACCHETTI G.	LAMBSHEAD J.
NOVAK R.	BOUCHER G.	VINCIGUERRA M.	PLATT H.
OTT J.	De BOVEE F.	ZULLINI A.	RAFFAELLI D.
SCHIEMER F.	GOURBAULT N.	Nederland	WARWICK R.M.
SILMBROD A.	LUC M.	ROMEYN K.	Yugoslavia
Belgium	PETTER A.	Sweden	VIDAKOVIC J.
COOMANS A.	RENAUD MORNANT J.	HENDELBERG M.	
DECRAEMER W.	RITTER M.	U.S.A.	
HEIP C.	VITIELLO P.	FINDLAY S.	
SMOL N.	VIVIER M.H.	HOPE D.	
VINCX M.	Germany	MAGGENTI A.	
Denmark	BLOME D.	MERCER E.	
JENSEN P.	GERLACH S.	SHARMA J.	
	LORENZEN S.	SHERMAN K.	
	RIEMANN F.	TIETJEN J.	



December 9, 1982

ANNOUNCEMENT



FIRST INTERNATIONAL CONGRESS OF NEMATOLOGY

The First International Congress of Nematology will be held at the University of Guelph, Guelph, Ontario, Canada, from 5 August to 10 August 1984.

Accommodations will be provided in the University residence. It is estimated that the cost for accommodation and all meals will be approximately \$35.00 (Canadian) per day. A list of suitable motels in the immediate area also will be made available.

It is planned to have four days of symposia, colloquia, and a poster session; a full day excursion; and a spouses' program.

Immediately following the Congress, on 12 August 1984, a joint meeting of the American (APS) and Canadian (CPS) Phytopathological Societies will commence, also at the University of Guelph. Participants may wish to include this meeting in their plans.

The University consists of a 500 ha campus, located in Guelph, a city of 74,000 population. It is located on the peninsula between lakes Huron, Erie and Ontario, about 100 Km, or 1 hour driving time from Toronto International Airport. Transportation will be provided as required.

For additional information you may wish to contact Dr. J.H. O'Bannon, Chairman, Program Structuring Committee, Irrigated Agriculture Research and Extension Center, Prosser, WA 99350, U.S.A., or Dr. T.H.A. Olthof, Chairman, Local Arrangements Committee, Agriculture Canada, Research Station, Box 185, VINELAND STATION, ON, CANADA LOR 2E0.

# North American Benthological Society

(PLEASE PRINT)

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Address \_\_\_\_\_

City \_\_\_\_\_ State/Province \_\_\_\_\_ Zip \_\_\_\_\_

Telephone Number \_\_\_\_\_

Professional Interests (50 characters or fewer) \_\_\_\_\_

## Membership Status (CHECK ONE)

Check if: \_\_\_\_\_

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New Member \_\_\_\_\_

Student (US \$5) \_\_\_\_\_ at (institution) \_\_\_\_\_

New Address \_\_\_\_\_

Signature of Advisor \_\_\_\_\_

New Name \_\_\_\_\_

Dues Paid \_\_\_\_\_ For Year \_\_\_\_\_ Check No. \_\_\_\_\_

Treasurer \_\_\_\_\_ Date \_\_\_\_\_

Complete this form and return with dues to Elizabeth B. Rodgers, TVA Browns Ferry Biothermal Station, Box 2000, Decatur, Alabama 35602 U.S.A. Cancelled check will be your receipt.

## WHAT IS NABS?

The North American Benthological Society is an international scientific organization whose purpose is to promote better understanding of the biotic communities of lake and stream bottoms and their role in aquatic ecosystems by providing media for disseminating new investigation results, new interpretations, and other benthological information to aquatic biologists and to the scientific community at large. The Society was founded as the Midwest Benthological Society by 13 charter members at Havana, Illinois, in the spring of 1953. Water pollution problems were some important concerns which stimulated this first meeting and the chartering of the Society. The first President was Dr. William Starrett, Ichthyologist and aquatic biologist, with the Illinois Natural History Survey.

## WHO JOINS NABS?

Membership is open to anyone interested in the Society's purpose regardless of residence. Because the benthic community is affected by physicochemical and biotic factors of the overlying water, NABS attracts members with interest in many aspects of aquatic ecosystems. At present, most of the 1,200 or more members are from the United States and Canada, with smaller representations from over 10 other nations. Many members are aquatic biologists with special research interests in aquatic algae, aquatic vascular plants, zooplankton, phytoplankton, mollusks, crustaceans, aquatic insects, fishes, general benthology, hydrochemistry, hydrology, sedimentology, etc. who are employed by state and federal research and environmental-control agencies, environmental consulting firms, utility and other industrial firms, and as teachers and researchers with colleges and universities. This diversity of research interests helps to make the Society a unique and strongly viable organization. It is a dynamic organization with potential for further growth and for more cooperative efforts with other organizations in respect to activities and concerns affecting aquatic habitats.

## WHAT DOES NABS DO?

NABS has a three-day annual meeting with both verbal and poster presentations of scientific papers, symposia, workshops, and several social events. The Society encourages graduate student participation at all levels and annually presents awards for the best scientific paper presentations by graduate students. As a service to its members and the scientific community at large, the Society publishes the widely used Current and Selected Bibliography of Benthic Biology, various nonperiodical symposia and workshop proceedings, and the Bulletin of the North American Benthological Society (just starting).

Areas of major membership interest include: ecology and life-histories of benthic biota; taxonomy or systematics of aquatic biota; determination of pollution-tolerance ranges of aquatic species; effect of water quality on distribution and abundance in the benthic community; accelerated eutrophication; and methods of sampling and measuring components of aquatic ecosystems.

The meetings of the Society have traditionally offered aquatic biologists and others the opportunity to present new results, new ideas, and tentative conclusions before their peers in an atmosphere informal enough to encourage constructive criticism and evaluation.

## WHO BENEFITS?

The Earth and all of its inhabitants will eventually benefit from NABS activities, for without a strong, constant scientific effort at better understanding of all biotic communities including benthic, the impact of modern technology and human population growth will pose an even graver threat to the quality of life on Earth. NABS needs and solicits the support (financial, participatory, and moral) of everyone interested in improving the quality of the waters of the Earth. NABS specifically needs support for the publication and improvement of its Bulletin and various nonperiodical symposia. All contributions and membership dues are tax-deductible.

RECENT LITERATURE

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