

PSAMMONALIA

Newsletter of the International Association of Meiobenthologists

Number 42

November 1978

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Composed and printed at DAFS Marine Laboratory, Aberdeen, Scotland.

MEMORANDUM

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INTERNATIONAL ASSOCIATION OF MEIOBENTHOLOGISTS

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Chairman: William D. Hummon, Department of Zoology and Microbiology,
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Madison, NJ 07940, USA (1978-1980)

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(1977-1980)

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France (1978-1980).

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South Carolina, Columbia, SC 29208, USA

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Austria

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AB9 8DB, Scotland, UK

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USA

K. Jayasree, Department of Marine Science, University of Cochin,
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Moulis, France

R. Yamanishi, Kyoty University, Seto Marine Biological Lab., Sirahama,
Wakayamaken, Japan.

Donald J. Zinn, PO Box 589, Falmouth, Massachusetts 02541, USA

EDITORIAL

The editor and associate editor spent some frenzied moments looking up old and older issues of PSAMMONALIA, thinking that an election of two replacements on the Executive Committee was in order, or was overdue. Because of changes approved at the last international meeting, TIMCO in Hamburg in 1977, we find that we are ahead rather than behind, and are relieved. However, we think it likely that other members may also be confused about how the association is supposed to operate and how it does operate. Therefore we will include a copy of the Constitution of the International Association of Meiobenthologists in the next issue. The original document was included in PSAMMONALIA no. 10, July 1970, and there have been some changes. The system was designed to be simple, since our membership is scattered and communication through the newsletter. Any routine first-class mailings to the entire membership would require an immediate increase in dues. At their current rate, \$3.00 per year, they just cover the cost of paper, ink and postage for the four yearly issues of the newsletter.

Please note the Treasurer's Report included in this issue. Numerous members are in arrears, and after much deliberation and after repeated reminders through the newsletter, it has been decided that this will be the final issue for those who remain seriously behind in their dues. This has been defined to include anyone whose last paid year was 1976 or earlier. There is further detail in the Treasurer's Report. We regret that we failed to bring along Bruce Coull's stamp and red stamp pad, which was used on occasion while he was editor. It read: THIS WILL BE YOUR LAST ISSUE UNLESS DUES ARE PAID.

We would like to add that Scotland is as beautiful as ever. We are all enjoying the opportunity of spending another year in Aberdeen. Thus far we have been extremely lucky, and after a dozen collections, have not been seriously rained upon or blown from the beach by high winds.

ASZ 1978

Three contributed paper sessions on meiofauna are scheduled as part of the annual meeting of the American Society of Zoologists, Richmond, Virginia, USA, 27-30 December 1978. The sessions are sponsored jointly by the Ecology Division and by the Division of Invertebrate Zoology. The sessions on meiofauna are scheduled for Friday morning, Friday afternoon and Saturday morning, December 29 and 30. Eighteen papers will be presented during these sessions.

Treasurer's Report:- A somewhat belated financial statement issue by issue to cover nos. 39, 40, and 41.

	May 5, 1978	July 30, 1978	Nov. 1, 1978
<u>Credits</u>			
Balance forward	£ 904.30	£ 929.85	£ 954.21
<u>Dues + Credits</u>	<u>331.00</u>	<u>256.00</u>	<u>191.40</u>
Total	£1235.30	£1185.85	£1145.61
<u>Debits</u>			
Cost/issue	No.39 = £ 238.37	No.40 = £ 231.64	No.41 = £ 131.54
<u>Other expenses</u>	<u>67.08</u>	<u>-.-</u>	<u>-.-</u>
Total	£ 305.45	£ 231.64	£ 131.54
<u>Balance</u>	£ 929.85	£ 954.21	£1014.07

From the continuing balance in the IAM account, it would appear that we are not only adequately covering publication costs, but are in fact amassing a sizeable account. For comparison to our current \$1000.00 balance, in 1974 the balance was \$670.50 (an increase of 51% in five years).

However, valuable perspective can be gained by comparing trends in the annual dues income to annual costs of producing Psammonalia.

Year	1975	1976	1977	1978
Dues income	£ 775.30	£ 776.19	£ 743.32	£ 778.40 + A
Cost of Publication	<u>591.31</u>	<u>611.25</u>	<u>707.61</u>	<u>668.63 + B</u>
Balance	+£ 179.99	+£ 164.94	£ 35.71	£ 109.77 + A - B

A = dues collected between now and the end of the year; likely to be a small amount

B = costs of the final issue for this year; apt to be about \$150.00

Note that while dues income has remained constant, the cost of producing and mailing the newsletter has steadily increased. The gap between the two has closed rapidly and this year is likely to represent a net loss.

There are three alternative solutions to this problem should the trend continue. The first is to simply allow the excess costs of publication to erode away the accumulated balance. Clearly this could be accommodated

for some years to come. Secondly, dues could be raised in accordance with inflationary costs of publication. After all, we have not experienced an increase in dues for some years. The third option, is to insist on a greater participation in dues payment by members receiving the newsletter. According to our records, 42% of our membership have fallen behind in dues.

In our view, the third alternative is the obvious first step. We simply cannot continue to provide the newsletter to non-contributors (with the exception of those in special "exempt" categories, e.g., retirees, those in countries with internal currencies, etc.). We recognize that there may be a number of reasons to explain delinquent dues payments. Natural career evolution often draws interest into other areas.

In an effort to distinguish those no longer interested in receiving the newsletter from those who are, we will make one last attempt to remind tardy members of their condition. Following this statement will appear a membership list with names grouped according to the last year for which dues have been paid. If you do not find your name in any list, you may assume that our records show that you have paid through 1978. Since about one half our membership is in this latter category, we simply did not print this "year class" to save space. To any member embarrassed by finding his or her name so visibly displayed, we sincerely apologize. The cost of individually contacting each member in arrears is prohibitive. In addition, in our view, the cost of losing valuable members to simple oversight is far greater than any such momentary discomfort.

The absence of any sort of formal billing has led many of us (me included) to slip behind in dues payments. In an effort to remedy this particular problem, I enclose here a billing slip. Since this issue of Psammionalia marks the end of the 1978 volume, most of us now owe dues for 1979. You might find it useful to think of this billing form as a personal bill directed to you. Especially if we provide such a form in the last issue each year, you may find it easier to keep track of your dues obligation.

If, after you have located your name in the table below, you believe our records are incorrect, please do not hesitate to contact me. With books and files changing hands every few years, errors are entirely possible. If you find yourself listed in any pre-1979 category, we would greatly appreciate your immediate attention to bringing yourself up to date. Annual dues, including 1979, are \$3- payable by checks drawn on U.S. banks or by international postal orders, etc. We will assume payments from those listed in the 1977 column will be forthcoming and will continue to send issues of Psammonalia to them. Because we must assume that those listed in the 1976 and 1975 categories are no longer interested in receiving the newsletter, we will not send further issues unless you direct us otherwise. Because we can not adequately estimate our future costs very far in advance, we must also request that you avoid paying for more than three years in advance of the current year (i.e., not beyond 1982).

L. W. Pollock, Treasurer.

PSAMMONALIA DUES

1979

TO:

Lee W. Pollock, Treasurer, IAM
 Department of Zoology
 Drew University
 Madison, New Jersey
 07940, U.S.A.

FROM:

Enclosed please find payment at \$3.00 per year for the following years _____

Payment should be in US dollars by international money order or draft on a US bank.

Membership list, according to last year for which dues have been paid. Those not listed (about 200) have paid through 1978. See Treasurer's report. Those listed under 1975 and 1976 will not receive further issues unless they indicate their continued interest.

<u>1975</u>	<u>1976</u>	<u>1977</u>	
Ball	Apelt	Aladro-Lubel	Marcotte
Borrer	Ax	Bamforth	Martinex-Murillo
Eduardo	Barnett	Banse	Mesick
Castilla	Bergerard	Bishop	Michel
Cate	Bovee	Bodiu	Moore, C.
Connick	Brunet	Bolton	Morse, M. P.
Dauer	Cassidy	Bou	Mountford
Dubrowsky	Dastel	Brown	Munson, D.
Edwards	Galhano	Burbank	Narine
Enckell	Green	Cammen	Nelson
Finney	Hulings	Cook	Nichols, F. H.
Golubic	Institut Voor	Cox	Nunomura
Hartman	Katzmann	Creeze	Nyholm
Hartzband	Kramer	Dinet	Oden
Juario	Laubier	Dow	Ott
Kalin	Lescher-Moutoue	Sopott-Ehlers	Parker, J. G.
Merriman	Library - URI	Faubel	Paul
Moore, P. G.	Library-Bergen	Fenchel	Pitelka
Newell	Lorenzen	Ferris, V. R.	Randall
Rankin	Lorgere	Fiaschi	Redman
Rice	Martin	Figueiredo-	Reise
Rogers	Rachor	Albuquerque	Riemann
Rouch	Rieger	Found	Riznyk
Salvini-Plawen	Svennson	Given	Ruddell
Schrom	Young, D.K.	Gnewuch	Ruppert
Sleeter		Goodman	Sacks
Spoon		Gray	Library-Catalina
Vernberg		Haufler	Sasaki
Whitlatch		Heard	Schiemer
Wicklów		Heip	Schilke
Willems		Hendrix	Serban
Williams, M. L.		Hessler	Shimmel
Zimmer		Hope	Smol
		Illg	Soyer
		Jaspers	Spero
		Jensen	Sullivan
		Jkonen	Teare
		Jones, T. L.	Teuchert
		Kikuchi, T.	Thiel
		Knowlton	Thistle
		Kuhl	Tietjen
		Lamme	Titgen
		Lasserre	Tripp
		Lemos de Castro	Varmo
		Library-Roscoff	Ven-Volkman
		Library-Rosensteil	Whybrew
		Lodge	Weiser
		Lunetta	Wolff
		Mack-Fira	Yamanishi

STANDARD OF ADDRESS

STANDARD LIST

1979

Arkett
 Bell
 Brown, T. J.
 Bryan
 Bush
 Cantalmo
 Clausen
 Coles
 Coull
 D'Hondt
 Egloff
 Enderes
 Erseus
 Findlay
 Fleeger
 Friauf
 Gelder
 Gerlach
 Gnaiger
 Gowing
 Graefe
 Gurgel
 Hansen, M.
 Hendelberg, M. + J.
 Hopking, T. L.
 Hummon, M. + W.
 Ito
 Ivester
 Kathman
 Kikuchi, Y.
 Knatz
 Monaiot
 Montagna
 Musee-Monaco
 Nouzarde
 Novak
 Olsson
 Palmer
 Pfannkuche
 Princz
 Reid
 Sasekumar
 Savory
 Schmidt P.
 Seaton
 Sherman
 Smith
 Stancyk
 Uhlig
 Waldauer
 Watling

1980

Akesson
 Berg
 Bleakley
 Eleftheriou
 Feller
 Gergmans
 Jong
 Levy
 McIntyre
 Murison
 Pastor
 Sarvala
 Thames
 Tyler
 Van der Land
 Weiss
 Zinn

1981

Giere
 Harrison
 Kangas
 Library-Arago
 Price
 Wainberg

1982

Ceccherelli
 Hopper
 Kirsteuer
 Schirl
 Sotiracopoulos
 Wells

Higgins (1983)
 Sterrer (1988)

NEW MEMBERS

Felicitas Enderes
 Zoologisches Institut
 Universität Wien
 Lehrkanzel für Meeresbiologie
 Währingerstrasse 17/VI
 1090 Wien, Austria

Bruce E. Hopper
 28 Langholm Crescent
 Ottawa, Ontario
 Canada K2J 1H2

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 USA

Rita D. Kathman
 Route 2
 Columbia, Tenn. 38401
 USA

Rudolf Novak
 Zoologisches Institut
 Universität Wien
 Lehrkanzel für Meeresbiologie
 Währingerstrasse 17/VI
 1090 Wien, Austria

CORRRCTION

G. R. F. Hicks (not R. F. Hicks)
 University of Leeds
 Wellcome Marine Laboratory
 Robin Hoods Bay
 Yorkshire YO22 4SL, England

CHANGES OF ADDRESS

Stuart R. Gelder
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 USA

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 Gloucester Point, VA 23062
 USA

Olaf Pfannkuche
 Institut für Hydrobiologie und
 Fischereiwissenschaft
 Universität Hamburg
 Zeiseweg 9
 2000 Hamburg 50 F.R.G.

Janet W. Reid
 USAMRU-Brasilia
 US Embassy - Brasilia
 APO Miami Fla. 34030
 USA

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 Tuärminne Zoological Station
 University of Helsinki
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 Finland

Hjalmar Thiel
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 Fischereiwissenschaft
 Universität Hamburg
 Zeiseweg 9
 2000 Hamburg 50, F.R.G.

Raili Varmo
 Water Conservation Laboratory
 Kylmäsaarekatu 10
 SF-00550 Helsinki 55
 Finland

NEWS FROM MEMBERS

From Rudolf Novak, a new member: I am a student in marine biology at the University of Vienna and have just started my work on meiofauna in Posidonia oceanica beds in the Gulf of Naples. I am mainly interested in ecological aspects of free-living nematodes and harpacticoids, probably the most abundant groups of the meiofauna of this environment. I want to find out the factors influencing their distribution and zonation, and the role they play for the whole system.

From Eric Lindgren: I am currently working in Riedl's Zoologisches Institut der Universität Wien, while on sabbatical. Most of my current work is with Harpacticoida, and not Tardigrada.

REQUEST FOR MARINE HARPACTICOID COPEPODS PAPERS

From Philippe Bodin: I am preparing a complete recasting, in a single volume, of my catalogue (1967) and its three supplements for the end of 1978 (30th anniversary of Lang's monograph).

All people who have publications on harpacticoid copepods just issued or in press, specially on systematics, are requested to send me an offprint as soon as possible at the following address: Philippe Bodin, Laboratoire d'Océanographie Biologique, Université de Bretagne Occidentale, 6 av. Le Gorgeu, 29283 BREST Cédex (France). All my thanks in advance.

ANNOUNCEMENT

The International Journal of Speleology (where articles appear in one of the five languages: English, French, German, Italian or Spanish) is the only international scientific journal dealing with cave research. Moreover, it is now the official organ of the International Speleological Union, acknowledged by UNESCO. The new Publisher and Advisory Board intend to make available through it, to researchers of different disciplines, the results of studies carried out all over the world on the cave environment: zoology, botany, microbiology, ecology, as well as karst geology, surface and underground geomorphology, hydrogeology, paleo- and neokarst, speleogenesis, etc.

Your subscription to this journal will bring to you all scientific information and discussions in the field of physical and biological speleology.

Editor in chief of Biospeleology: Prof. Roger Husson, Biologie générale, Faculté des Sciences, 6, boulevard Gabriel, Dijon, France.

Book and News editor: Brother G. Nicholas, F.S.C. Dept. of Biology, La Salle College, Philadelphia, Pa. 19141, USA.

Editor in chief of Physical Speleology: Prof. Arrigo Cigna, frazione Tuffo, I-14023 Cocconato (Asti), Italy.

Annual subscription: U.S. \$25 (only for Italy - solo per l'Italia: Lire 18.000) to be paid by:

--International postal order to: Dr Alfredo Bini-via B. Verro 39/C-I-20141 Milano, Italia.

--Bank transfer to "Banco di Roma" account no. 2858 - agenzia 5 - corso Italia, 1 - I-20100 Milano, Italia.

All correspondence regarding subscriptions, as well as manuscripts, illustrations and all relative communications should be addressed to the publisher: Dr Alfredo Bini - via B. Verro 39/C - I-20141 Milano, Italy.

CONFERENCE DATES

Second Symposium on Aquatic Nematodes, Bremerhaven, May 28-31, 1979.

(see First Announcement on the following pages).

ICSEB-II (The Second International Congress of Systematic and Evolutionary Biology) Vancouver, Canada, July 16-24, 1980 (see information below).

FIMCO (Fourth International Conference on Meiofauna), Columbia, S.C., USA, July 27-August 3, 1980.

International Tardigrade Symposium, East Tennessee State University, USA, August 4-7, 1980.

Second Symposium on Aquatic Nematodes, mid-August 1980 (see announcement following)

PRELIMINARY INFORMATION ON ICSEB-II

The Second International Congress of Systematic and Evolutionary Biology (ICSEB-II) will convene in Vancouver, Canada 17-24 July, 1980, on the campus of the University of British Columbia.

The Congress will provide a common meeting ground for scientists devoted to study of the diversity of organisms. The aim of this congress is to provide exchange between all biologists interested in organisms be they animal or plant, large or small, live or fossil. It is sponsored by the Society of Systematic Zoology and the International Association for Plant Taxonomy with the cooperation of other national and international organisations.

The program will consist of two plenary sessions and 12 one-half day symposia, three running concurrently. These symposia will cover broad botanical and zoological interdisciplinary themes. The mornings are to be devoted to: a) contributed papers; 2) symposia on specialised topics with particular areas of special content; and 3) international gatherings of biologists concerned with particular groups of organisms. The mornings will be arranged in direct response to the data submitted on the reply interest sheet (as below). One long range field trip is scheduled before and after the Congress and several one-day trips will be held during the meetings.

An information circular will be mailed in Spring, 1979 to those returning the reply sheet (below).

Planned symposia include: Arctic refugia and the evolution of Arctic biota; Origins and evolution of the North Pacific marine biota; Evolution of reproductive strategies; Evolutionary epigenetics; Evolution of community structure; Green algae and land plant origins; Macromolecular mechanisms in evolution; Allozymes and evolution; Coevolution and foraging strategy; Evolution of colonizing species; Rare species and the maintenance of gene pools; Paleobiology of the Pacific Rim. Additional symposia may be included. Sessions for contributed papers and for papers in specialized fields, taxonomic as well as methodological, will also be organized.

Mail to: Dr G G E Scudder, Department of Zoology, University of British Columbia, 2075 Wesbrook Mall, Vancouver, B.C. V6T 1W5, Canada.

Please place me on the list for the ICSEB-II circular to be mailed Spring 1979

Name

Address

State/country

Postal Code:

International Symposium 1980

THE BIOLOGY OF THE TURBELLARIA

3610 Diepenbeek Belgium

(First Notice)

We invite you to participate in a third international symposium on the Biology of the Turbellaria which we are organizing as a successor to those held in Chicago (1974) and Tvärminne (1977).

The sessions, including invited contributions, submitted papers, and poster presentations, will take place at the Limburgs Universitair Centrum, Diepenbeek, Belgium, where accommodation also will be available. The tentative date for the symposium will be for three to five days in mid-August 1980. This period has been chosen so as to avoid conflict with other international meetings.

This will be an open congress although we hope that as many participants as possible will contribute actively to the programme. Contributions may be on any aspect of Turbellarian biology and plans are in progress for the publication of the proceedings. Limited financial support may be available for invited speakers from overseas.

Since it is necessary that we begin organizing in earnest we ask that all who may be interested in attending this congress communicate with Ernest SCHOCKAERT at the address given below. Further notices will then be sent out as the programme becomes finalized.

Ian R. Ball, Amsterdam

Peter Schmidt, Aachen.

Ernest R. Schockaert, Diepenbeek

Symposium Biology of Turbellaria
Departement SBM

Limburgs Universitair Centrum
Universitaire Campus

B - 3610 Diepenbeek, Belgium.

Second Symposium on Aquatic Nematodes

Institut für Meeresforschung, Bremerhaven, May 28th-31st, 1979

First Announcement

Dear Colleague:

Nematodes are extremely numerous in all benthic biotopes and, therefore, have considerable ecological importance. But, due to enormous determination problems, the nematode specialists become more and more specialized in certain taxa and detracted from a more synoptic view on the system and ecological significance of aquatic nematodes. For this reason there is a growing demand for an exchange of information and ideas, and during the Symposium on "The Systematics of Marine Free-living Nematodes" in Gent, Belgium, 16th-19th August 1977, it was decided that in 1979 there should be a subsequent meeting in Bremerhaven.

You herewith are cordially invited to participate and to present a paper at the Bremerhaven symposium.

General Topic: Systematics and ecology of marine and limnetic nematodes.

The organizers feel that a symposium is the appropriate platform to mobilize the usually conservative concepts on the phylogeny and classification of higher taxa and hence particular attention should be given to these phylogenetic aspects. However, they also want to encourage all scientists working with aquatic nematodes on the species level, to report on their research and to discuss taxonomical questions. Biogeographical and ecological considerations, including observations on pollution effects, are welcome, and we would be specially interested in some review lectures.

Request for papers: You are invited to present a paper of 10-20 minutes length, a review lecture of up to 30 minutes length or a poster display. Suggestions as to general concepts and procedures would be gratefully appreciated. Language is preferably English. Abstracts should be submitted no later than January 1979.

The publication of symposium proceedings is not intended as yet.

Place: Institut für Meeresforschung, Am. Handelshafen 12, D-2850 Bremerhaven

Time: May 28th (Monday, arrival, registration and informal evening meeting) to May 31st, evening, 1979.

Accommodation: Because Bremerhaven regrettably has no university campus with dormitories, the participants will have to be accommodated in hotels. For participants younger than 30 years there will be a limited number of

accommodations in a youth hostel (price DM 13,-/day, incl. breakfast). If you are interested in these facilities, please give us a quick note.

Symposium Fee: DM 40,-

Application: Participants are kindly requested to return the attached form before December, 1978.

We are looking forward to hearing from you
With kind regards

The organizers

S. A. Gerlach F. Riemann
M. Schrage H. Iken

Please mail by December, 1978 to the following address

Nematodensymposium
Institut für Meeresforschung
Am Handelshafen 12
D-2850 Bremerhaven

Second Symposium on Aquatic Nematodes
Bremerhaven, May 28th-31st, 1979

I wish to participate. Please send me the 2nd Announcement.

I wish to present a paper/review Paper/poster display

Provisional title

Name: _____

Institution: _____

Address: _____

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RECENT LITERATURE

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