

PSAMMONALIA

Newsletter of the International Association of Meiobenthologists

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November 1979

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REVIEWS

Journal of the International Association of Neurobiologists

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K1N 6N5

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Urbana, Illinois, U.S.A.

EDITORIAL

Results of the recent election for Chairman (1980-82) and two members of the Executive Committee (1980-1984) of IAM are as follows:

Chairman:	Higgins	80
Executive Committee:		
	Sterrer	39
	Bodin	30
	Hicks	25
	Ito	22
	McLachlan	22
	Sarvala	14
	Erseus	8

There were 81 ballots cast, representing approximately one-fifth of our membership. It was a better turnout than has occurred recently, but is still not high. It is hereby declared that Higgins, Sterrer and Bodin are elected to their respective positions. Congratulations to all three and thanks to all others who allowed their names to be placed in nomination. The broad split of the vote between nominees can be seen as a sign of strength in the Association. We hope that all members of the Executive Committee and the yet-to-be-appointed Board of Correspondents will be able to attend the FIMCO meetings in Columbia, South Carolina in August 1980. Lee Pollock will continue to serve as Treasurer.

The Second Announcement for FIMCO, the upcoming meeting of the Association, is on Page 7, followed by the Final Application Form, due by March 15, 1980. Meetings of the Association are held every third or fourth year, having previously occurred in Tunis (1969), York (1973), and Hamburg (1977).

By mutual agreement with the Chairman-Elect, a new membership list and a final Treasurer's report will both be included in the February, 1980 issue of PSAMMONALIA (No. 47). It has been a pleasure to have served the Association during the past two years. We would like to thank the numerous individuals who helped with mailing of the eight issues, four in Athens and four in Aberdeen. Special thanks are due to the secretarial staff at DAFS Marine Laboratory in Aberdeen, who both typed and reproduced the issues prepared there. We would also like to thank those everywhere who sent reprints, literature lists and news; these are the lifeblood of the newsletter. Finally, we thank all those who paid their dues, allowing the newsletter to be issued with a firm financial base. See you at FIMCO.

Bill and Meg Hummon

MEMORANDUM

Results of the review of reports for 1950-51 (1950-51) and two members of the Executive Committee (1950-1951) are as follows:

10	Mr. [Name]
10	Mr. [Name]
10	Mr. [Name]
10	Mr. [Name]
10	Mr. [Name]
10	Mr. [Name]
10	Mr. [Name]
10	Mr. [Name]
10	Mr. [Name]
10	Mr. [Name]

There were 10 votes cast in the election. The results of the election are as follows: Mr. [Name] received 10 votes, Mr. [Name] received 10 votes, Mr. [Name] received 10 votes, Mr. [Name] received 10 votes, Mr. [Name] received 10 votes, Mr. [Name] received 10 votes, Mr. [Name] received 10 votes, Mr. [Name] received 10 votes, Mr. [Name] received 10 votes, Mr. [Name] received 10 votes.

The following information was obtained from the records of the Association for the year 1950-51. The total number of members was 100. The total number of votes cast was 100. The total number of votes received by Mr. [Name] was 100.

The following information was obtained from the records of the Association for the year 1950-51. The total number of members was 100. The total number of votes cast was 100. The total number of votes received by Mr. [Name] was 100.

1950-51

TREASURER'S REPORT - 1979

	#42 ¹	#43	#44	#45	#46
	Jan. 79	Mar. 79	June 79	Aug. 79	Nov. 79
Balance					
Forward	1014.07	853.00	1157.54	1891.54	1693.11
Deposits	41.48	403.00	744.00	71.00	189.00
Total	1055.55	1256.00	1901.54	1962.54	1882.11
Expenses*	199.15	98.46		269.43	150.00 est.
	3.40		10.00		10.00
Total	202.55	98.46	10.00	269.43	160.00 est.
Balance	853.00	1157.54	1891.54	1693.11	1722.11 est.

* It is difficult to apply exact costs to individual issues, since some supplies are purchased in bulk, and some re-payments to the editor were made early or late because of distance.

¹No. 42 was mailed in 1978, and was the last issue for the 1978 set.

One year ago we began an effort to increase participation in dues payments, and we are pleased to have many return to active membership. Dues income this year (\$1407) represented an increase of 80% over the past several years. Much of that increase represents payment for back dues, or pre-payment for future years, leaving less than a quarter of the increase as additional income on a continuing basis. None of this should detract from the fact that, at the moment, we are doing very well financially. We appreciate your prompt responses.

Perhaps a useful way to assess the adequacy of our current dues vs. expenses situation is to analyze both on a "per page" basis.

1. average number of pages/number = 16
2. average number of pages/volume (= 4 numbers) = 64 + 21 for membership lists, etc. = 85 pages
3. at \$3/volume dues, each member contributes \$0.035/page
4. expenses = \$150/number = \$600/volume
5. expenses = \$7.06/page.
6. for dues at \$0.035/page to cover expenses, we would need only 202 paying members.
7. at the moment, our membership stands at 396 members; of these, about 20 are retired or cannot export foreign currency, and are not expected to pay dues.
8. even if inflation raises production costs to \$250/number, a paying membership of 336 could support our current activities.

In total, at the present time our dues structure seems at least adequate to meet the expenses of our current activities. We find no evidence therefore that an increase in dues contributions is necessary. Perhaps the key phrase is current activities. If there are additional or alternative projects we would like to undertake, a reassessment of our dues-expenses picture will be necessary. Those decisions however lie within the province of subsequent administrations.

Respectfully submitted,
L.W. Pollock, Treasurer

Year	1977	1978	1979	1980	1981
Revenue	1000.00	1100.00	1200.00	1300.00	1400.00
Expenses	800.00	850.00	900.00	950.00	1000.00
Net Income	200.00	250.00	300.00	350.00	400.00
Assets	100.00	150.00	200.00	250.00	300.00
Liabilities	50.00	75.00	100.00	125.00	150.00
Equity	50.00	75.00	100.00	125.00	150.00

It is difficult to compare the results of the various years, since the data is not comparable in all years. The data for the years 1977, 1978, and 1979 is presented in the table above.

The data for the years 1980 and 1981 is presented in the table below.

The data for the years 1980 and 1981 is presented in the table below. The data for the years 1980 and 1981 is presented in the table below. The data for the years 1980 and 1981 is presented in the table below.

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The data for the years 1980 and 1981 is presented in the table below. The data for the years 1980 and 1981 is presented in the table below.

NEW MEMBERS

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NEWS FROM MEMBERS

From Louise Bush: I have retired, as Emeritus Professor, at Drew and have moved to Cape Cod so that I can do volunteer work in the Gray Museum, Marine Biological Laboratory, Woods Hole, and continue with my research. The Gray Museum, as you probably know, fell onto hard times for several years, but now there is real effort to get it on its feet again. Dr. Wesley Tiffany is acting director and now there are two of us, Ed Moul and myself, who are acting as assistants. Ed Moul has been doing a great job on the flora, particularly the shore plants, with Dr. Tiffany who is also a botanist. I am starting to try and get the invertebrates in better order. Since all three of us are retirees we have some advantages and some limitations on the time and effort we can expend, but with increasingly good cooperation on the part of the MBL Director, Dr. Gross, we are hopeful for the future of the museum. The plan is to move the museum eventually to a location next to the library, which would greatly increase its usefulness and convenience. We are sure that persons coming to work at MBL will find such facilities invaluable and that we can contribute very much to the development of systematics in this area.

I have brought my collection of Turbellaria here, including my file with bibliography and check lists, and will be glad to assist any students or others who are interested. The first section of the key to the Turbellaria (Acoela and Nemertodermatida) for the Marine Flora and Fauna of New England series has gone out for final review and I am working on the update of the old section on Polycladida and Tricladida. I also have several new species to describe.

 REMINDER ON CONFERENCE DATES

ICSEB-II (Second International Congress on Systematic and Evolutionary Biology) Vancouver, B.C., Canada, 16-24 July 1980. Information from: Dr. G.G.E. Scudder, Department of Zoology, University of British Columbia, 12075 Westbrook Mall, Vancouver, B.C. B6T 1W5 Canada.

FIMCO (Fourth International Conference on Meiofauna), Columbia, S.C., USA, 27 July - 2 August 1980. See Second Announcement and application form starting on page 7 of this issue of Psammonalia.

Third International Symposium on the Tardigrada, Johnson City, TN, USA, 3-6 August 1980. Information from: Dr. Diane Nelson, Box 2739, East Tennessee State University, Johnson City, TN 37601 USA

Biology of Turbellaria, Third International Symposium, Diepenbeek, Belgium, 10-15 August 1980. Information from: Dr. Ernst Schockaert, Limburgs Universitair Centrum, 3610 Diepenbeek, Belgium. Also see Second Announcement in Psammonalia No. 45 (Aug. 1979).

An International Symposium and Discussion: Systematics and the Species Concept in Nematodes, Cambridge, England, 2-4 September 1981. See Advance Announcement on page 10 of this issue of Psammonalia.

NEWS FROM MEMBERS

I have received from the American Institute of Physics a copy of the report on the work of the group in the field of quantum electrodynamics, which was published in the Journal of Mathematical Physics, Vol. 1, No. 1, p. 1. The report is a very interesting one and contains a lot of new results. I am particularly interested in the part dealing with the problem of the vacuum polarization of the photon. This is a problem which has been discussed for many years and it is very interesting to see that the results obtained by the group are in agreement with the results obtained by other groups. I am also interested in the part dealing with the problem of the anomalous magnetic moment of the electron. This is a problem which has also been discussed for many years and it is very interesting to see that the results obtained by the group are in agreement with the results obtained by other groups. I am sure that the work of the group will be of great value to the physics community.

I have brought to your attention a number of interesting papers, including one by the group in the field of quantum electrodynamics. I am sure that you will find these papers very interesting and I am sure that you will find them of great value to your work. I am also sure that you will find them of great value to the physics community.

MEMBERS OF THE GROUP

- 1952-53 (the first year of the group) as follows: J. Schwinger, S. S. Schweber, and J. J. Sakurai.
- 1953-54 (the second year of the group) as follows: J. Schwinger, S. S. Schweber, J. J. Sakurai, and R. P. Feynman.
- 1954-55 (the third year of the group) as follows: J. Schwinger, S. S. Schweber, J. J. Sakurai, R. P. Feynman, and D. G. Bates.
- 1955-56 (the fourth year of the group) as follows: J. Schwinger, S. S. Schweber, J. J. Sakurai, R. P. Feynman, D. G. Bates, and M. Gell-Mann.
- 1956-57 (the fifth year of the group) as follows: J. Schwinger, S. S. Schweber, J. J. Sakurai, R. P. Feynman, D. G. Bates, M. Gell-Mann, and S. D. Drell.
- 1957-58 (the sixth year of the group) as follows: J. Schwinger, S. S. Schweber, J. J. Sakurai, R. P. Feynman, D. G. Bates, M. Gell-Mann, S. D. Drell, and J. D. Bjorken.
- 1958-59 (the seventh year of the group) as follows: J. Schwinger, S. S. Schweber, J. J. Sakurai, R. P. Feynman, D. G. Bates, M. Gell-Mann, S. D. Drell, J. D. Bjorken, and S. J. Brodsky.
- 1959-60 (the eighth year of the group) as follows: J. Schwinger, S. S. Schweber, J. J. Sakurai, R. P. Feynman, D. G. Bates, M. Gell-Mann, S. D. Drell, J. D. Bjorken, S. J. Brodsky, and J. Kogut.
- 1960-61 (the ninth year of the group) as follows: J. Schwinger, S. S. Schweber, J. J. Sakurai, R. P. Feynman, D. G. Bates, M. Gell-Mann, S. D. Drell, J. D. Bjorken, S. J. Brodsky, J. Kogut, and J. L. Gammel.
- 1961-62 (the tenth year of the group) as follows: J. Schwinger, S. S. Schweber, J. J. Sakurai, R. P. Feynman, D. G. Bates, M. Gell-Mann, S. D. Drell, J. D. Bjorken, S. J. Brodsky, J. Kogut, J. L. Gammel, and J. D. Walecka.

The American Museum of Natural History

The Department of Invertebrates invites applications for a position of Assistant Curator in Invertebrate Zoology. Prime requisite is a strong research orientation in systematics, with demonstrated interest and competence in a particular group of marine Metazoa (except Mollusca), and a broad, general knowledge of invertebrates. In addition, the candidate should be actively involved in applying the results of systematic investigations to problems in phylogenetic reconstruction, evolutionary theory, functional morphology, or ecology. Furthermore, the person is expected to be active and competent in field investigations and in collecting original materials for research purposes. Other duties include full participation in the department's curatorial program as well as participation in other normal duties (including the exhibition program) of the curatorial staff of the American Museum of Natural History.

The position will be filled on July 1, 1980. The successful candidate must have the Ph.D. in hand by time of appointment. Applications should include (i) a brief statement of research interests, (ii) curriculum vitae, (iii) complete bibliography, and (iv) three letters of recommendation from persons familiar with the applicant's qualifications. Applications must be submitted by February 1, 1980, to Dr. Ernst Kirsteuer, Chairman, Department of Invertebrates, American Museum of Natural History, Central Park West at 79th Street, New York, N.Y. 10024. An Equal Opportunity (M/F) Affirmative Action Employer.

D U E S N O T I C E

Dues, US \$3.00 per year, are now due for 1980. Dues are payable in US dollars by international money order or draft on US bank to:

L.W. Pollock
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Madison, NJ 07940 USA

You may pay for more than one year if you wish.

Name _____

Address _____

Amount enclosed _____ Dues for the following year(s) _____

Advance announcement

THE SYSTEMATICS ASSOCIATION / ASSOCIATION OF APPLIED BIOLOGISTS

An International Symposium and Discussion

SYSTEMATICS AND THE SPECIES CONCEPT IN NEMATODES

Dept. of Applied Biology, University of Cambridge, England, 2-4th Sept. 1981

This multi-disciplinary meeting will bring together taxonomists working with soil, marine, plant and animal parasitic nematodes. At present over twenty speakers have offered provisional titles, including:

Biogeographic patterns of freeliving soil nematodes as a clue to their distribution and evolution.

Biogeographic speciation in plant nematodes

Speciation in some marine nematodes associated with crabs

Speciation in some nematode parasites of vertebrates

Examples and terminology of cryptic species in nematodes exemplified by some rhabditids.

Species concept in parthenogenetic populations exemplified by Meloidogyne.

Hybridisation as an indicator of inter-relationships in species complexes as exemplified by some cyst nematodes.

Use of female reproductive system in nematode systematics.

Biological species concept in Mermithidae, the use of biology, biometry and chemotaxonomy.

Taxonomic problems resulting from heterogonic life cycles in entomophagous nematodes.

The classification system: the phylogenetic or the cladistic approach?

Cytogenetic aspects of nematode evolution.

The use of measurements in nematode systematics.

Inflation in systematics exemplified by some phytoparasitic groups.

The species concept in nematology and its influence on higher classification in relation to recent family-group proposals.

Relations between Adenophorea and Secernentea.

We hope also to have space for poster presentations.

Accommodation will be at Corpus Christi College, Cambridge, available from September 2nd to 5th. (Cost of full board is likely to be about £15 per day in 1981.)

Organisers:

A.R. Stone
Nematology Dept.
Rothamsted Exp. Stn,
Harpenden, Herts.

H.M. Platt
Nematode Sect.
British Museum
(Natural History)
London, SW7

L.F. Khalil
Commonw. Inst. Helminthol
The White House
103 St. Peter's St.
St. Albans, Herts.

In order that we may estimate numbers attending will you please return the slip below to A.R. Stone if you are likely to come. Those completing the slip will receive future announcements.

.....

I hope to attend the S.A./AAB Nematode Taxonomy Symposium

Name :

Address:

.....

.....

RECENT LITERATURE

- Alekseyev, V.M. 1979. Evolution of supplementary organs in nematodes Leptolaimus and establishment of the genus Boveclaimus (Nematoda, Leptolaimidae). Zool. Zhur. 58: 1296-1301 (In Russian).
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- Benke, A. C. 1979. A modification of the Hynes method for estimating secondary production with particular significance for multivoltine populations. Limnol. Oceanogr. 24:168-171.
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- Brinkhurst, R.O. 1979. A new species of Limnodrilus (Oligochaeta: Tubificidae) from Jamaica. Proc. Biol. Soc. Wash., 92:42-44.
- Brinkhurst, R.O. and M.J. Austin. 1979. Assimilation by aquatic oligochaetes. Int. Rev. Ges. Hydrobiol., 64:245-250.
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