

BRUCE COULL

Newsletter of the Association of Meiobenthologists

PSAMMONALIA is sent to individuals interested in the study of the minute biota of aquatic sediments.

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LETTER FROM THE EDITOR

During this last year, as "acting chairman" of the Association of Meio-benthologists, it has been necessary to give consideration to the means by which the successor to this office should be chosen. It can be argued that the incoming chairman should be elected by majority vote as was done initially. However, during the past two years the Association has grown to international proportions and with it have grown the problems of holding such an election. Whereas the small gathering of meiobenthologists that held the first election represented a reasonable quorum of the then small and essentially American organization, such a meeting would not now be practical and representative, especially from an international point of view. Further, there was not sufficient funds for postage or time to solicit a list of candidates, distribute the list and hold an election by mail.

Therefore, I have taken the liberty of appointing Dr. John Gray of the Wellcome Marine Laboratory, Robin Hood's Bay, Yorkshire, England as my successor for the next two year term. Dr. Gray has served as a co-editor for nearly two years, was largely responsible for the growth that the Association of Meiobenthologists has had in Europe, and I am confident that he will continue to serve the best interests of this organization.

The existing Board of Correspondents will continue to serve the Association for one more year, or until advised otherwise by Dr. Gray. Requests for subscriptions to the newsletter and subscription fees should also be mailed to Dr. Gray, and should be in his possession by the end of March, 1970 to be assured of receiving the next issue.

In concluding my term of office, I wish to express sincere gratitude to all who have contributed to the newsletter, but especially to the members of the Board of Correspondents who have helped so much in providing references to current literature and to those who have contributed bibliographies and resumes of current research activities at their respective institutions. Without the help of these people the newsletter would not be the useful median of communication it has become.

W. DUANE HOPE
Editor

RESULTS OF THE CANVASS REGARDING SUBSCRIPTION FEES FOR PSAMMONALIA AND FORMALIZING THE ASSOCIATION OF MEIOBENTHOLOGISTS.

The previous issue of Psammonalia contained a ballot for the purpose of determining whether or not the members would support a \$3.00 (or equivalent) subscription fee for the newsletter and whether they preferred the Association of Meiobenthologists to remain informal, or become formal by electing officers and drafting by-laws and a constitution.

A total of 152 newsletters were mailed to voting members (excluding library subscriptions) and 68 ballots were returned. Of the ballots returned, 67 were in favor and one against the \$3.00 subscription fee; and 36 favored the development of a formal Association of Meiobenthologists, 22 were not in favor of this action, and 9 were neutral. Breaking down the vote by continents, 52% of the ballots from Europe and 69% from America favored a formal Association.

In view of these results, the \$3.00 subscription fee will go into effect as of January 1, 1970 and the mailing list will be limited to paid-up members. Further, a recommendation will be made to the in-coming chairman that he take action necessary to establish a formal Association of Meiobenthologists, and this will include, I trust, a means of electing future officers.

FINANCIAL REPORT

December, 1969

Balance — April 1, 1969	\$130.13
Contributions — April 1, - Dec. 15, 1969	<u>\$85.66</u>
Total Assets	\$215.79
Duplicating costs for Issue No. 7	\$81.60
Postage for Issue No. 7	\$20.00
Bank Service Charges	<u>\$7.00</u>
Total Debits	\$108.60
BALANCE - December 15, 1969	\$107.19

Issue No. 8 will almost completely deplete our current balance. Therefore, we might not have sufficient funds to duplicate extra copies of Issue No. 9. As stated above, to be certain you get your next issue, send your subscription fee to Dr. Gray by the end of March, 1970.

NEW MEMBER OF BOARD OF CORRESPONDENTS

The editors are pleased to welcome Dr. Taiji Kikuchi, Amakusa Marine Biological Laboratory, Lomioka, Reihoku-cho, Amakusa, Kumamoto-ken, Japan, as a member of the Board of Correspondents. His research interests are marine benthic ecology and phytal fauna, although he will be providing us with all information known to him regarding meiofauna research in Japan. Dr. Kikuchi has advised us that there has not been a great deal of meiofauna research in Japan, so it has been possible for him to assemble a nearly complete bibliography to all of the meiofauna literature published in his country, and herewith made available to our membership.

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NEWS FROM MEMBERSHIP

New Director - Bermuda Biological Station

The Bermuda Biological Station for Research, Inc., St. George's West, Bermuda, has pleasure in announcing the appointment of Dr. W. E. Sterrer as Director. He will be continuing his research on meiofauna (Turbellaria and Gnathostomulida), and plans to work on a check-list of Bermudian marine fauna and flora as a field-guide of the area. Dr. Sterrer would welcome any suggestions and co-operation in respect to this work. Information regarding research facilities, etc. may be obtained by writing to Dr. Sterrer at the following address: Bermuda Biological Station for Research, St. George's West, Bermuda.

First International Conference on Meiofauna

The First International Conference on Meiofauna was convened in Tunis, Tunisia, July 1-11, 1969, with the primary objectives of reviewing the status of knowledge of meiofauna and to produce a "Manual for the Study of Meiobenthos". Twenty-eight invited participants including systematists, ecologists and sedimentologists from France, Great Britain, Norway, Romania, Sweden, Tunisia, U.S.A., and West Germany assembled to review the systematics and ecology of meiofaunal taxa, the ecology of meiobenthic communities and methods of faunal and environmental analyses. A total of 30 papers were presented and most of these will appear in the Proceedings of the Conference. Publication of the proceedings is expected during 1970. One day of the Conference was devoted to field and laboratory demonstrations of equipment and techniques.

The last week of the Conference was devoted to subcommittee sessions, the objective being to prepare the Manual. Four subcommittees were setup, two ecological and two systematic. The ecological subcommittees were eulittoral (responsible for intermittently submerged sedimentary environments) and sublittoral (responsible for continually submerged sedimentary environments regardless of depth). The systematists were divided into "soft fauna" and "hard fauna", the distinction being subjectively made on the resistance of the integument to mechanical damage. The "soft fauna" included the Ciliata, Cnidaria, Turbellaria, Gnathostomulida, Nematina, Gastrotricha, Archiannelida, Polychaeta, Oligochaeta, Mollusca and Echinodermata. The "hard fauna" included the Kinorhyncha, Priapulida, Nematoda, Bryozoa, Brachiopoda, Mystacocarida, Ostracoda, Copepoda, Palpigradida, Halacaridae, Tardigrada and Tunicata. Initially each subcommittee met separately and then collectively to integrate the results of their efforts.

From the efforts of the subcommittees resulted "A Manual for the Study of Meiobenthos". The Manual contains chapters on General Description of Habitat, Environmental Analyses, General Collecting Techniques, General Extraction Techniques, General Taxonomic Procedures, Comments on Specific Taxa (those mentioned above), Culture and Experimental Techniques and Biotopes other than Sediment. In addition, there is an Appendix which includes specific information on techniques, sources and prices of equipment, etc. The Manual contains over 200 literature citations covering all areas of meiobenthos. Publication of the Manual is also expected during 1970.

The Conference was endorsed by the Marine Productivity Committee of the International Biological Program and was funded by the Foreign Currency Program of the Smithsonian Institution.

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BIBLIOGRAPHIES

The following lists of references have been submitted to "Psammonalia" as partial or complete bibliographies for specific animal taxa. On behalf of the membership, the editors gratefully acknowledge these valuable contributions.

SUPPLEMENTARY BIBLIOGRAPHY TO THE HARPACTICOID COPEPODS

Dr. Phillippe Bodin published "Catalogue des nouveaux copepods Harpacticoides marins" in 1967, which together with the monograph of K. Lang (1948) included references to very nearly all of the Harpacticoid literature. The following list has been prepared by Dr. Bodin to include literature up to October, 1969.

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VIMS

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PRELIMINARY LISTS OF INVESTIGATORS AND PUBLICATIONS OF PRIAPULIDA

Dr. J. van der Land has provided "Priapmonalia" a preliminary list of investigators working on Priapulida and a preliminary list of papers and books published on the Priapulida. Dr. van der Land welcomes corrections and additions.

INVESTIGATORS WORKING ON PRIAPULIDA (preliminary list).

HAMMOND, Roger A.
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P. caudatus: mechanics of burrowing; ultrastructure of adults and larvae; general morphology, early development, structure and function of caudal appendage.

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uchus?) from Bermuda

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P. caudatus and Halicryptus:
ultrastructure; physiology
(osmoregulation, respiratory
physiology, H₂S-resistance).

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Systematics; zoogeography; larval
and post-larval development;
morphology of teeth, spines,
sense organs, and caudal appen-
dages; bibliography

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Additional citations will most gratefully be received by Dr. Hummon.

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