

PSAMMONALIA

Newsletter of the International Association of Meiobenthologists

Number 39

February 1978

Editor: William D. Hummon  
Associate Editor: Margaret R. Hummon  
Department of Zoology and Microbiology  
Ohio University  
Athens, Ohio 45701  
USA

This document is not part of the scientific literature and is  
not to be cited, abstracted or reprinted as a published document.

Composed and printed at Ohio University, Athens, Ohio 45701 USA

INTERNATIONAL ASSOCIATION OF MEIOBENTHOLOGISTS

COUNCIL MEMBERS

EXECUTIVE COMMITTEE

Chairman: William D. Hummon, Department of Zoology and Microbiology,  
Ohio University, Athens, OH 45701 USA  
Treasurer: Lee W. Pollock, Department of Zoology, Drew University,  
Madison, NJ 07940 USA

COMMITTEE MEMBERS

Pat Boaden, Marine Biological Station, Protaferry BT22 1PF, N. Ireland  
John S. Gray, Institut för Marin Biologi, Universitetet i Oslo,  
Postboks 1064, Blindern, Oslo 3, Norway  
Carlo Heip, Laboratorium voor Morfologie, Ledeganckstraat 35,  
9000 Ghent, Belgium

Eike Hartwig, Zoologisches Institut u Museum, Universität Hamburg,  
D-2000 Hamburg, 13 Martin Luther King Platz 3, West Germany  
Jeanne Renaud-Mornant, Museum National d'Histoire Naturelle, Labora-  
toire de Zoologie (Vers), 43, rue Cuvier, 75231 Paris Cedex 05  
France

BOARD OF CORRESPONDENTS

Philippe Bodin, Laboratoire d'Océanographie Biologique, Université  
de Bretagne Occidentale, 29283 Brest Cedex, France  
Eduardo Burle S., Ecologia Dept. Cienc. Natur. Exacta., Univ. de Chile-  
Sede Sur, Clasificadoe 1144-Santiago, Chile  
Bruce C. Coull, Baruch Institute for Marine Biology, University of  
South Carolina, Columbia, SC 29208 USA  
Dan Danielopol, Limnologisches Institut, Bergasse 18/19, 1090 Wien,  
Austria  
A. Eleftheriou, DAFS Marine Laboratory, Victoria Road, Torry, Aberdeen,  
AB9 8DB Scotland, U.K.  
W. Duane Hope, Department of Invertebrate Zoology, National Museum of  
Natural History, Smithsonian Institution, Washington, D.C. 20560  
USA  
K. Jayasree, Department of Marine Science, University of Cochin,  
Foreshore Road, Cochin - 682016, Kerala, India  
Teresa Radziejewska, Institute of Fisheries Oceanography, Ul. Kazimierza  
Krolewicza 4, 71-550 Szczecin, Poland  
Franz Riemann, Institut für Meeresforschung, D-285 Bremerhaven,  
Am Handelshafen 12, West Germany  
Raymond Rouch, Biologie animale Dept., Lab. Souterrain CNRS, 7-09410  
Moulis, France  
R. Yamanishi, Kyoty University, Seto Marine Biological Lab.,  
Sirahama, Wakayamaken, Japan  
Donald J. Zinn, PO Box 589, Falmouth, Massachusetts 02541 USA

## EDITORIAL

I wish to thank our past Chairperson/Editor, Jeanne Renaud-Mornant, and Treasurer, Jaques Soyer, for the time and effort they expended on behalf of the Association. It is my hope that the Association will do as well over the next two year period.

Issues of PSAMMONALIA are planned for February, May, August and November over each of the coming two years. Anyone with information or literature which they want to have included in a particular issue should have it to the editor by the first of the month in which an issue goes to press. In order that persons may have time to pay their dues for 1978, any dues in arrears, a membership directory and a complete financial report will be delayed until the August, 1978 issue, PSAMMONALIA No. 41).

Lee Pollock has kindly consented to be Treasurer of the Association over the next two years. He will continue as Treasurer for this period providing I do not receive notification from a majority of paid members before the next issue goes to press opposing his selection for that office. Please note the information on dues which follows on a later page.

## EXECUTIVE COMMITTEE ELECTIONS

Results of the Executive Committee election are given below. With but a handful of votes received, 35 in all (or less than 10 % of the membership), Eike Hartwig and John Gray were elected to serve as new members of the committee. Our congratulations to you.

Hartwig	17	Corliss	5
Gray	15	Jayasree	5
Sterrer	13	Schiemer	2
Giere	12		

## NECROLOGY

We sadly report the deaths during the past year of two of our members: E. Ruffin Jones, a long time worker on turbellaria, and John Conrad, a recent student of meiofauna who died in a SCUBA accident.

REQUEST FOR CORRECTIONS IN LANG'S HARPACTICOID COPEPOD MONOGRAPHS (1948,  
1965)

At TIMCO in Hamburg there was an informal evening meeting of all those interested in Harpacticoid copepods. It was pointed out by several of those present that there are several errors in Lang's classic harpacticoid reference books. The groups decided that it would be valuable if all these corrections were gathered into one place and subsequently listed as a correction list in PSAMMONALIA. Therefore if you know of errors in Lang's 1948 or 1965 publications, please write them down (cite page, volume, type of error and correction) and send them to me. I will compile this list of errors and have them included in PSAMMONALIA in 1978. Please send the notices to me by 1 May 1978 at the following address: Dr. Bruce C. Coull, Baruch Institute, University of South Carolina, Columbia, SC 29208 USA.

REQUEST FOR FRESHWATER BENTHIC CLADOCERA (MACROTHRICIDAE)

I am interested in benthic Cladocera, the Macrothricidae, in particular the genus Ilyocryptus. These animals burrow in mud and detritus of lakes and rivers. I have been conducting systematic and geographic studies on this group for 3 years and have come up with a European form here in the USA and a new species, making a total of nine known species. This information is now in print and will soon be published by the Biological Society of Washington. I am interested in obtaining information on this genus from around the world, as I am now undertaking a re-description of the genus. Any help or information will be greatly appreciated." Please contact me at the following address: Judith L. Williams Department of Limnology and Ecology, Academy of Natural Sciences, Philadelphia, PA 19103 USA.

REQUEST FOR IDENTIFICATION OF ROTIFERS

"I am looking for someone to identify several species of Dichranophorus (Rotifera) and to classify an unknown species of Encentrum (?) (also Rotifera)....I am interested in Psammon ecology and community structure especially in fresh water...and intend to start some research in the near future on the hyporheal. I just recently completed my doctoral thesis on the Southwick Beach psammon community (The psammon communities of Southwick Beach, New York PhD Thesis, December 1977, State University of New York College of Environmental Science and Forestry, Syracuse, New York)." Please contact at current address: Marcy Waldauer, 435 E. Genessee Pkwy, Syracuse, N.Y. 13214 USA.

NEWS FROM THE MEMBERS

From David Dow, Center for Wetland Resources, Louisiana State Univ., Baton Rouge, LA 70803 USA: Beginning in December, 1977, I will be working on an interdisciplinary study of the energy flow and nutrient cycling in Lake Ponchartrain.

From Gaylord T. Entrot, College of Marine Studies, Univ. Delaware, Lewes, Delaware 19958 USA: I am a graduate student at the University of Delaware, doing my master's on the fine structure of the cuticle of the tартigrade Echiniscoides sigismundi.

## MEETING ANNOUNCEMENTS

### INTERNATIONAL SYMPOSIUM ON GROUNDWATER BIOLOGY

An International Symposium on Groundwater Biology (combining the Fourth International Colloquium on Gammarus and Niphargus and the Second International Symposium on Groundwater Ecology), co-sponsored by Old Dominion University and Virginia Polytechnic Institute and State University, will be held from September 10-16, 1978, at V.P.I. & S.U. in Blacksburg, Virginia. For further information contact Dr. John R. Holsinger, Dept. of Biological Sciences, Old Dominion University, Norfolk, Va. 23508 USA.

The Symposium will consist of eight formal paper sessions, four informal discussion sessions and a mid-conference field excursion to a selected karst area in southwestern Virginia.

Papers on the following subjects are solicited: 1) systematics, ecology, physiology, ethology and genetics of primarily groundwater amphipod crustaceans; 2) other aquatic subterranean groups; 3) pollution, population and community ecology of groundwater ecosystems; 4) dispersal and zoogeography of groundwater organisms; and 5) biological ramifications of physical-chemical changes in groundwater habitats.

Four discussion sessions will be held on: 1) protection of endangered groundwater species and ecosystems; 2) concepts of gammaroidean amphipod taxonomy; 3) ecological classification of groundwater habitats and standardization of groundwater terminology; and 4) sampling techniques for groundwater organisms.

### AMERICAN SOCIETY OF ZOOLOGISTS MEETING - DECEMBER, 1978

Meiofaunists in North America and others are invited to attend the 1978 American Society of Zoologists Meeting in Richmond, Virginia in late December. There will be a contributed papers session jointly sponsored by the Division of Invertebrate Zoology (B.C. Coull, Program Officer) and the Division of Ecology (W.D. Hummon, Program Officer). Further information will be forthcoming, but abstracts and transmitted forms when available can be sent to either division, so long as they are marked "MEIOFAUNA".

### SECOND INTERNATIONAL CONGRESS OF ECOLOGY

Jerusalem, Israel, 10-16 September 1978. The Congress will discuss and review topics of current interest in ecology. The scientific program will be designed to promote international co-operation and interdisciplinary contacts. Symposia and workshops are also planned, which will be chaired by invited speakers of international reknown. Because of the location of the Congress, a major theme will be the ecology and management of desert and semi-desert ecosystems. Another theme central to many of the symposia will be "Ecology and development - the application of ecological principles to the needs of developing countries." Advances in ecological theory will be widely presented and discussed.

Papers will be presented on the following themes:

1. Structure and function of desert and semi-desert ecosystems; topics - origins and evolution of deserts; convergent evolution in desert ecosystems, structure and function of desert ecosystems.
2. Structure and function of tropical forest ecosystems: topics - nature of tropical forest ecosystems, biogeochemical cycles, plant-

NEW MEMBERS

Susan S. Bell  
Baruch Coastal Research Inst.  
UN South Carolina  
Columbia SC 29208 USA

Marc Bergmans  
Laboratorium voor Ekologie en  
Systematik  
Faculteit der Wetenschappen  
Pleinlaan 2 - B-1050 Brussels  
Belgium

Gaylord T. Entrot  
College of Marine Studies  
University of Delaware  
Lewes, Delaware 19958 USA

Mrs. Olivia Fernando  
Marine Biology Station  
Porto Novo, 608502  
India

Stuart Findlay  
Baruch Coastal Research Inst.  
UN South Carolina  
Columbia SC 29208 USA

Pentti Kangas, fil. kand.  
Department of Zoology  
University of Oulu  
SF-90100 OULU 10  
Finland

Brenda Matthews  
Plymouth Polytechnic  
School of Environmental Sciences  
Drake Circus  
Plymouth PL 4 8AA  
England

Dr. M. Nouzarede  
B.P. 406  
Libreville - Gabon

The Director  
NRIO, P.O. Box 320  
Stellenbosch - 7600  
South Africa

Margaret Palmer  
Baruch Coastal Research Inst.  
UN South Carolina  
Columbia SC 29208 USA

Ardis Savory  
Baruch Coastal Research Inst.  
UN South Carolina  
Columbia SC 29208 USA

Kevin Sherman  
Baruch Coastal Research Inst.  
UN South Carolina  
Columbia SC 29208 USA

Stephen Stancyk  
Baruch Coastal Research Inst.  
UN South Carolina  
Columbia SC 29208 USA

Ken-Ichi Tajika  
Zoological Institute  
Faculty of Science  
Hokkaido University  
Sapporo, Japan

Maria Helena Vilela  
Instituto Nacional De  
Investigacao Das Pescas  
Algas - Praia  
Lisbia - 3  
Portugal

M. Waldauer  
435 E. Genesee Pkwy.  
Syracuse, N.Y. 13214 USA

NEW ADDRESSES

Dr. David Dow  
Center for Wetland Resources  
Louisiana State University  
Baton Rouge, Louisiana 70803 USA

Richard W. Heard Jr.  
Dauphin Island Sea Lab  
P.O. Box 386  
Dauphin Island, AL 36528 USA

E.W. Hogue  
School of Oceanography  
Oregon State University  
Corvallis, Oregon 97331 USA

B.M. Marcotte  
Department of Biology  
University of Victoria  
Victoria, B.C.  
Canada V8W 242

Dr. Barbara J. Oden  
Department of Biology  
West Virginia State College  
Institute, West Virginia 25112 USA

H.M. Platt  
British Museum (Natural History)  
Cromwell Road  
London SW7 5BD U.K.

Janet W. Reid  
USAMRP - Brasilia  
American Embassy - Brasilia  
APO New York 09676 USA

Edw. E. Ruppert  
Harbor Br. Inst. Inc.  
RFD. 1, Box 196  
Fort Pierce, FL 33450 USA

J. Kevin Shaw  
Ecological Services M5949  
Texas Instruments, Inc.  
Box 5621  
Dallas, TX 75222 USA

Jean P. Sikora  
Department of Oceanography  
Texas A & M Univ.  
College Station, TX 77843 USA

Walter B. Sikora  
Department of Oceanography  
Texas A & M Univ.  
College Sta. TX 77843 USA

David Thistle  
Department of Oceanography  
Florida State Univ.  
Tallahassee, FL 32306 USA

Dr. W. Westheide  
II, Zoologisches Institut und  
Museum der Universitat Gottingen  
D-34 Gottingen/BRD  
West Germany

In Addition:

Robert P. Higgins  
Department of Invertebrate Zoology  
National Museum of Natural History  
Smithsonian Institute  
Washington D.C. 20560 USA

RECENT LITERATURE

X Anderson, R.V., D.C. Coleman. 1977. Use of glass microbeads in ecological experiments with bacteriophagic nematodes. *J. Nematol.*, 9(4): 319-323.

Arlt, G., M.A.H. Saad. 1977. Investigations on the meiofauna and sediment of the Shatt Al-Arab near Basrah (Iraq). *Fshwater. Biol.*, 7(5): 487-494.

Artyukhovsky, A.K., N.A. Kharchenko. 1977. On the status of mermithids in the system of Nematoda and their taxa. *Zool. Zh.*, 56(9): 1288-1293 (IN Russian).

Barnard, J.L. 1977. A new species of Synchelidium (Crustacea, Amphipoda) from sand beaches in California. *Proc. Biol. Soc. Washington*, 90: 877-883.

Belogurov, O.I. 1977. Morphology of Pseudooncholaimus furugelmus sp. n. and Bradybucca pontica (Seergeeva, 1974) Comb. n. and establishment of Bradybuccini trib. n. (Nematoda, Oncholaimidae). *Zool. Zh.* 56(11): 1597-1605. (IN Russian).

Bender, M.L., K.A. Fanning, P.N. Froelich, G.R. Heath and V. Maynard. 1977. Interstitial nitrate profiles and oxidation of sedimentary organic matter in the Eastern Equatorial Atlantic. *Science* 198(4317): 605-609.

Blake, D. and J.W. Leftley. 1977. Studies on anaerobic nitrogen fixation in the sediments of two Scottish sea lochs, pp 79-84. In: B.F. Keegan, P.O. Ceidigh and P.J.S. Boaden, *Biology of Benthic Organisms*. Pergamon Press, Oxford.

Boucher, D. 1977. Production primaire saisonniere du microphytobenthos des sables envasés en baie du Concarneau, pp. 85-92. In: B.F. Keegan, P.O. Ceidigh and P.J.S. Boaden, *Biology of Benthic Organisms*. Pergamon Press, Oxford.

Castel, J. et P. Lasserre. 1977. Colonisation et distribution spatiale des Copepodes dans des lagunes semi-artificielles, pp. 129-146. In: B.F. Keegan, P.O. Ceidigh and P.J.S. Boaden, *Biology of Benthic Organisms*. Pergamon Press, Oxford.

X Chamroux, S., G. Boucher, P. Bodin. 1977. Experimental study on a sand ecosystem. 2. Evolution of Bacteria and meiofauna populations. *Helgol. wiss. Meeresunters.*, 30: 163-177.

X Christoffersen, M.L. 1977. New species of Guaranidrilus Cernovs (Encytraeidae, Oligochaeta) from Serra do Mar, Sao Paulo, Brazil. *Stud. Neotrop. Fauna. Environ.*, 12(3): 187-206.

X Conrad, J.E. 1977. An inexpensive apparatus for comparative meiofauna colonization experiments in low energy environments. *Est. Coast. Mar. Sci.* 5(6): 825-827.

Coull, B.C. and J.W. Fleeger. 1977. A new species of Pseudostenhelia, and morphological variations in Mannopus palustris (Copepoda, Harpacticoida). *Trans. Amer. Micros. Soc.* 96(3): 332-340.

Coull, B.C., J.W. Fleeger. 1977. Long-term temporal variation and community dynamics of meiobenthic copepods. *Ecology*, 58(5): 1136-1143.

Dahl, E. 1977. The amphipod functional model and its bearing upon systematics and phylogeny. *Zool. Scripta* 6(3): 221-228.

Dallavenezia, L. and V.U. Fossato. 1977. Characteristics of suspensions of Kuwait oil and corexit 7664 and their short term and long term effects on Tisbe bulbisetosa (Copepoda, Harpacticoida). *Mar. Biol.*, 42(3): 233-238.



- Decraemer, W. 1977. Origin and evolution of Desmoscolecida, an aberrant group of nematodes. *Zool. Syst. Evol.*, 15(3): 232-.
- Eakin, R.M., G.G. Martin, C.T. Reed. 1977. Evolutionary significance of fine structure of archiannelid eyes. *Zoomorphologie*. 88(1): 1-18.
- Ehlers, B., U. Ehlers. 1977. Ultrastructure of pericerebrally located ciliary aggregations in Dicoelandropora atriopopillata Ax and Notocaryoplanella glandulosa Ax (Turbellaria, Proseriata). *Zoomorphologie* 88(2): 163-174.
- Evanko, M.A. 1977. Cyclops nanus Sars, 1863 (Copepoda, Cyclopoida): a new record for Lake Erie. *Ohio J. Sci.*, 77(2): 100.
- Evans, M.S., J.S. Stewart. 1977. Epibenthic and benthic microcrustaceans (copepods, cladoceans, ostracods) from a nearshore area in southeastern Lake Michigan. *Limnol. Oceanogr.*, 22(6): 1059-1066.
- Ferber, I. 1977. Marine invertebrates collections from the Red Sea, the Eastern Mediterranean and Suez Canal, and bibliography. Zoological Museum, Dept. of Zoology, Hebrew University of Jerusalem, Israel. 28 pages.
- Finlay, B.J. 1977. The dependence of reproductive rate on cell size and temperature in freshwater ciliated Protozoa. *Oecologia (Berl.)*, 30(1): 75-82.
- Foreman, R.E. 1977. Benthic community modification and recovery following intensive grazing by Strongylocentrotus droebachiensis. *Helgoland. wiss. Meeresunters.*, 30: 468-484.
- Gage, J.D. 1977. Structure of the Abyssal macrobenthic community in the Rockall Trough, pp. 247-260. In: B.F. Keegan, P.O. Ceidigh and P.J.S. Boaden, *Biology of Benthic Organisms*. Pergamon Press, Oxford.
- Gerlach, S.A. 1977. Attraction by decaying organisms as a possible cause for patchy distribution of nematodes in a Bermuda beach. *Ophelia* 16(2):
- Gerlach, S.A. 1977. Means of Meiofauna dispersal. Mikrofauna Meeresboden 61: 89-103.
- Giere, O. 1977. An eco-physiological approach to the microdistribution of meiobenthic Oligochaeta. I. Phalldrillus monospermathecus (Knöllner) (Tubificidae) from a subtropical beach at Bermuda, pp. 285-296. In: B.F. Keegan, P.O. Ceidigh and P.J.S. Boaden, *Biology of Benthic Organisms*. Pergamon Press, Oxford.
- Gharogzious-van Ginneken, I.D. 1977. Contribution to the ultrastructural studies of the labral glands of some harpacticoids (Crustacea, Copepoda). *Arch. Biol. (France)*, 88(1): 79-100.
- Gray, J.S. 1977. Stability of benthic ecosystems. *Helgoland. wiss. Meeresunters.*, 30: 427-444.
- Guerin, J.P., R. Gaudy. 1977. Study of variations in dry weight and elementary chemical composition of Tisbe holothuriae (Copepoda, Harpacticoida) reared on different artificial diets. *Mar. Biol.*, 44(1): 65-70.
- Harmon, W.J. 1977. Three new species of Oligochaeta (Naididae) from the southeastern United States. *Proc. Biol. Soc. Wash.*, 90(3): 483-490.

- Hartwig, E. and J.G. Parker. 1977. On the systematics and ecology of interstitial ciliates of sandy beaches in North Yorkshire. *J. Mar. Biol. Assoc. U.K.*, 57: 735-760.
- Hicks, G.R.F. 1977. Observations on substrate preference of marine phytal harpacticoids (Copepoda). *Hydrobiologia*, 56(1): 7-9.
- Hope, V.D. 1977. Deontostoma coptochilus n. sp., a marine nematode (Leptosomatidae) from the foot cavity of the deep-sea anemone Actinauge longicornis (Verrill, 1882). *Proc. Biol. Soc. Wash.*, 90(4): 946-962.
- Hummon, W.D. and M.R. Hummon. 1977. Meiobenthic subcommunity structure: spatial vs. temporal variability, pp. 339-347. In: B.F. Keegan, P.O. Ceidigh and P.J.S. Boaden, *Biology of Benthic Organisms*. Pergamon Press, Oxford.
- Husmann, S. 1973. Bathynella stammeri Jakobi, 1954 (Syncarida) aus dem Stygorhithral der Alpen; Studien zu Morphologie, Ökologie und Verbreitungsgeschichte. *Crustaceana*, 25: 21-34.
- Husmann, S. 1974. Die Ökologische Bedeutung der Mehrzellerfauna bei der natürlichen und künstlichen sand filtration. Künstliche Grundwasseranreicherung am Rhein, 2: 173-183.
- Ivester, M.S. and B.C. Coull. 1977. Niche fractionation studies of two sympatric species of Enhydrosoma (Copepoda, Harpacticoida). *Mikrofauna Meeresboden* 61: 136-151.
- Jensen, P. and S.A. Gerlach. 1977. Three new nematoda - Comesomatidae from Bermuda. Ophelia 16 (1): 59-76.
- Just, J. 1977. Amphyllodomus incurvaria gen. et. sp. n. (Crustacea, Amphipoda), a remarkable leaf-cutting amphithoid from the marine shallows of Barbados. *Zool. Scripta* 6(3): 229-232.
- Karling, T.G. and E.R. Schockaert. 1977. Anatomy and systematics of some Polycystididae (Turbellaria, Kalyptorhynchia) From the Pacific and S. Atlantic. *Zool. Scripta*, 6: 5-19.
- Kornicker, L.S. 1977. Sarsiella maura a new species of marine ostracod (Sarsiellidae, Myodocopina) from Bahia de Los Angeles, Gulf of California, Mexico. *Proc. Biol. Soc. Wash.*, 90(3): 676-684.
- Kornicker, L.S. 1977. Myodocopid ostracoda of the Indian River complex, Florida. *Proc. Biol. Soc. Wash.*, 90(4): 788-797.
- Kornicker, L.S., R.F. Maddocks. 1977. Cycloleberis christiei, a new species of marine ostracoda (Suborder Myodocopina) from Saldanha Bay and Langebaan Lagoon, South Africa. *Proc. Biol. Soc. Wash.*, 90(4): 894-914.
- Kunz, H. 1977. Zur Kenntnis der Gattung Delamarella Chappuis und Latiremus Bozic (Copepoda, Harpacticoida, fam. Latiremidae Bozic). *Crustaceana*, 32(2): 210-211.
- Lee, J.J., J.H. Tietjen, C. Mastropaolo, H. Rubin. 1977. Food quality and heterogeneous spatial distribution of meiofauna. *Helgoländ. wiss. Meeresunters.*, 30: 272-281.
- Lopez, G.R., J.S. Levinton, L.B. Slobodkin. 1977. The effect of grazing by the detritivore Orchestia grillus on Spartina litter and its associated microbial community. *Oecologia (Berl.)*, 30(2): 111-128.

- Naguire, C. 1977. Meiofaunal community structure and vertical distribution: a comparison of some Co. Down beaches, pp. 425-431. IN: B.F. Keegan, P.O. Ceidigh and P.J.S. Boaden, Biology of Benthic Organisms. Pergamon Press, Oxford.
- Matta, J.F. 1977. Beach Fauna Study of the CERC Field Research Facility, Duck, North Carolina. Misc. Report No. 77-6, 102 pp., U.S. Army Corps of Engineers, Coastal Engineering Research Center, Ft. Belvoir, VA 22060, USA
- Moraczewski, J. 1977. Asexual reproduction and regeneration of catenula (Turbellaria, Archoophora). Zoomorphologie. 88(1): 65-77.
- Monchenko, V.I. 1977. Smirnoviella reducta gen. et. sp. n. (Crustacea, Copepoda) from the Dniesr estuary (Black Sea Basin). Zool. Zh. 56(9): 1402-1405. (In Russian).
- Nyholm, K.G. 1977. Reaptaculum semims and morphological hermaphroditism in Homalorhaga Kinorhyncha. Zoon, 5(1): 7-10.
- Nyholm, K.G., I. Olsson, L. Andrea. 1977. Quantitative investigations of the macro- and meiobenthic fauna in the Gota River estuary. Zoon, 5: 15-28.
- O'Connor, B., G. Konnecker, D. McGrath and B.F. Keegan. 1977. Pachycerianthus multiplicatus Carlgren. Biotype or biocoenosis? pp. 475-482. In: B.F. Keegan, P.O. Ceidigh and P.J.S. Boaden, Biology of Benthic Organisms. Pergamon Press, Oxford.
- Olsson, I. 1977. Wall structure of the foraminifer Ammotium cassis (Parker) and its ecological significance. Zoon, 5: 11-14.
- Ott, J. 1977. New Free-living nematodes from the West Atlantic. I. Four new species from Bermuda with a discussion of the genera Cytolaimium and Rhabdocoma Cobb, 1920. Zool. Anz.
- Ott, J., K. Fedra. 1977. Stabilizing properties of a high biomass benthic community in a fluctuating ecosystem. Helgoland. wiss. Meeresunters., 30: 485-494.
- Pearson, T.H. and S.O. Stanley 1977. The benthic ecology of some Shetland voes, pp. 503-512. In: B.F. Keegan, P.O. Ceidigh and P.J.S. Boaden, Biology of Benthic Organisms. Pergamon Press, Oxford.
- Petkovski, T.K. 1976. Drei neue Mitocrella - Arten von Kuba, Zugleich eine revision des Genus Nitocrella Chappuis (s. restr.) (Crustacea, Copepoda, Ameiridae) Acta Mus. Macedonici. Sci. Mat., 15(1): 1-26.
- Rabeni, C.F., G.W. Minshall. 1977. Factors affecting microdistribution of stream benthic insects. Oikos, 29(1): 33-43.
- Rachor, E. 1977. Faunal impoverishment in a mud area near Helgoland. Helgoland. wiss. Meeresunters., 30: 633-651.
- Reise, K. 1977. Predator exclusion experiments in an intertidal mud flat. Helgoland. wiss. Meeresunters., 30: 263-271.
- Rosenberg, R., I. Olsson, E. Olundh. 1977. Energy flow model of an oxygen deficient estuary on the Swedish west coast. Mar. Biol. 42: 99-107.
- Ruppert, E.E., K. Shaw. 1977. The reproductive system of gastrotrichs. I. Introduction with morphological data for two new Dolichodasys species. Zool. Scripta, 6(3): 185-196.
- Schultz, G.A. 1977. Anthurinds from the west coast of North America, including a new species and three new genera (Crustacea, Isopoda). Proc. Biol. Soc. Washington, 90: 839-848.

- Sikora, J.P., W.B. Sikora, C.W. Erkenbrecher, B.C. Coull. 1977. Significance of ATP, Carbon and caloric content of meiobenthic nematodes in partitioning benthic biomass. *Mar. Biol.* 44(1): 7-14.
- Tenore, K.R. 1977. Utilization of aged detritus derived from different sources by polychaete Capitella capitata. *Mar. Biol.*, 44(1): 51-56.
- Thistle, D. and R.R. Hessler. 1977. A revision of Betamorpha (Isopoda: Asellota) in the world ocean with three new species. *Zool. J. Linnean Soc.*, 60: 275-295.
- Tietjen, J.H. 1977. Population distribution and structure of free living nematodes of Long Island Sound. *Mar. Biol.*, 43(2): 123-136.
- Warwick, R.M. 1977. The structure and seasonal fluctuations of phytal marine nematode associations on the Isle of Scilly, pp. 577-585. In: B.F. Keegan, P.O. Ceidigh and P.J.S. Boaden, *Biology of Benthic Organisms*. Pergamon Press, Oxford.
- Wells, J.B.J. 1977. Protopsammotopa wilsoni n. sp. (Copepoda, Harpacticoida) and the fate of the type material of Goffinella stylifer C.B. Wilson, *Crustaceana*, 32(2): 200-202.
- Wildish, D.J. 1977. Factors controlling marine and estuarine sublittoral macrofauna. *Helgol. wiss. Meeresunters*, 30: 445-454.
- Woodin, S.A. 1977. Algal gardening behavior by nereid polychaetes - effects on soft-bottom community structure. *Mar. Biol.* 44(1): 39-42.
- Wormald, A.P. 1976. Effects of a spill of marine diesel oil on the meiofauna of a sandy beach at Picnic Bay, Hong Kong. *Environ. Pollut.*, 11: 117-130.
- Zander, C.D. and A. Hymer. 1977. Analysis of ecological equivalents among littoral fish, pp. 621-630. In: B.F. Keegan, P.O. Ceidigh and P.J.S. Boaden, *Biology of Benthic Organisms*. Pergamon Press, Oxford.
- Zinn, D.J. 1977. A World Beneath Your Feet. *The Cape Naturalist* 6(2): 29-33. Cape Cod Museum of Natural History, Brewster, MA 02631, USA.