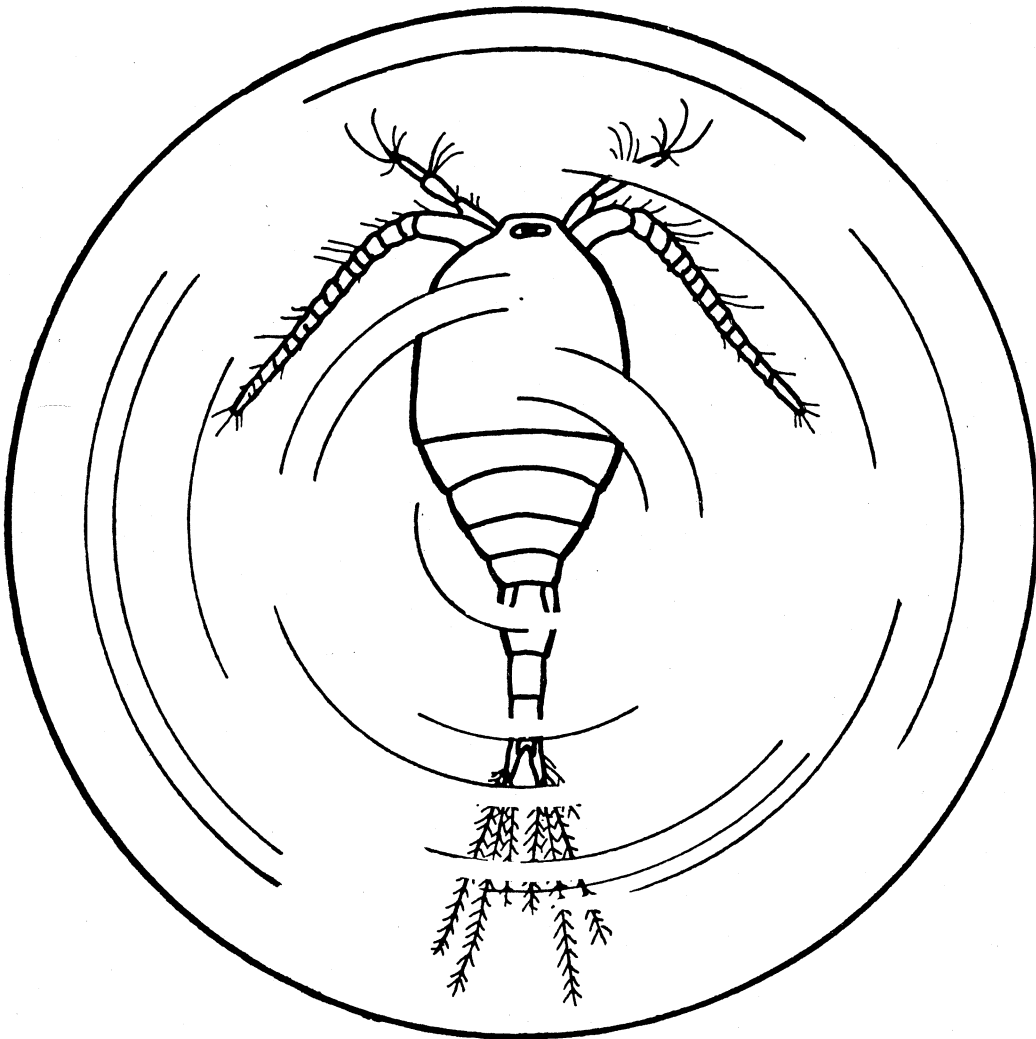


# MONOCULUS

Copepod Newsletter



Nr. 2

February 1981

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Cover by: Georg Siebecke, Zoologisches Museum der Universität Kiel

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D.C. GEDDES from Paisley sent us the following note:

*"It might interest readers of "MONOCULUS" to know that the author of the genus, Bishop Gunnerus, has achieved the rare accolade, for a zoologist, of being commemorated on a postage stamp. He appears on the 70 öre stamp of a 1970 Norwegian issue devoted to Norwegian zoologists. The others so honoured are G.O. Sars (40 öre), Hans Ström (50 öre) and Michael Sars (100 öre). Incidentally, Professor Johan Hjort is portrayed on a 1969 issue."*

## E d i t o r i a l

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Somehow it appears that we had chosen the right time to launch the first issue of *MONOCULUS*. Before Christmas or the end of the year scientists tend to be in the mood of sending best wishes to their colleagues anyhow and to post the latest reprints. *MONOCULUS* has clearly profited from this custom. To us, the first issue of *MONOCULUS* seemed like a plunge into cold water but soon it became apparent that we were carried away instead by a powerful stream of warm and friendly response. Our letter boxes became flooded by mail.

224 postcards have been returned to Gerd Schriever up to the present day and several comments on our mailing list have also arrived so that now it includes about 570 addresses! 69 people have send lists of publications and/or reprints to Kurt Schminke. This, in fact, is more than we expected and we thank all those of you who have contributed to our enterprise in one way or another. It will be great fun producing *MONOCULUS* if the echo continues to return so manifold.

The flood of mail had a rather unexpected side-effect which, at first, we could not explain. We could not help feeling that somehow we kept gaining in esteem among our local colleagues, and it was only rather late that we realized it had something to do with *MONOCULUS*. Have you ever reflected upon the psychological role of full letter boxes? Well, it appears that one of the means by which local colleagues judge each other's importance is the amount of mail they receive. Letter boxes serve as indicators of importance and we both have made a big jump to high ranks in our local letter box hierarchies.

In his Museum, Gerd had a good friend who was the undisputed mail champion there - until recently. In the meantime something like a revolution has taken place. Don't worry, they still are good friends, though on somewhat different terms. However, Gerd notes that lately the relation tends to be reversed again. So it is about time we published the second issue of *MONOCULUS*. Let us talk business now.

*J. K. Schminke*  
*G. Schriever*

## For the consideration of copepodologists

We are ambitious, as you may have noticed. Even though we are extremely delighted about the reactions so far, we are not yet completely content.

### 1. Who is who

- a. There are about 570 people on our mailing list now, yet the majority of you still has to return the postcard with name, correct address, field of research, and date of birth. The names of those who have done this already are underlined on the mailing list at the end of this issue. Please check whether you are among the black sheep. If so, fill in the postcard added to this issue of *MONOCULUS* and return it to Gerd Schriever immediately, otherwise you will not receive the third issue of *MONOCULUS*. This sounds like a pretty severe treatment but, please do not forget, that *MONOCULUS* is a rather costly undertaking. So we can only afford to serve an active community.
- b. Due to the enormous amount of entries in our mailing list the directory announced last time will have to be published separately and not before almost all of you have delivered the postcard on which we have to rely for correct information. The date of birth will not be published in the directory. Our note below in honour of Dr. KUNZ illustrates why we asked for this detail all the same.

### 2. Bibliography

- a. We are very far as yet from being able to publish the "Bibliography of the works of living copepodologists" as we have in mind to do. Most of you haven't done their homework yet. The names of those who have are marked by an asterisk in the mailing list at the end of this issue. Come on, send us a copy of the list of publications you had prepared for your latest application! If still available, please also add reprints for the *MONOCULUS*-library and send both, list and reprints, to Kurt Schminke. He is in charge of the literature.
- b. Madame S. RAZOULS from Banyuls-sur-Mer makes the important suggestion that also those works like Ph.D. theses or others, like the french "thèses de spécialité ou thèses de 3ième cycle" dea-

ling with copepods but that have never been or are never published should also be included in the *MONOCULUS*-bibliography and library. Who knows of such works? Speak up!

- c. Dr. KUNZ from Saarbrücken wishes the bibliography and the *MONOCULUS*-library to be gradually extended also to include the works of earlier generations of copepodologists. This should be done step by step and according to the availability of funds. He offers to help in respect of Klie, Monard and Lang. Where are other volunteers?
- d. Kurt Schminke has started to compile a first list of works published in 1980 (see below) from what he has received so far. Help to make this list complete. Please keep him also constantly informed about the latest products of your insatiable scientific curiosity and let it become a habit to post reprints of them to him as soon as available. Don't be cruel in putting the *MONOCULUS*-community on the rack for too long!

### 3. Mailing

Dr. C. SHIH from Ottawa told us *"that I am willing to be the distributor of MONOCULUS for North American colleagues. Presumably this would cut down the costs for producing the newsletter significantly."* Very right he is, and it is with great relief and gratitude that we accept his offer. From now on then, *MONOCULUS* for North America will be sent surface mail to Ottawa and from there air mail to its ultimate destinations. It would be fine if some of you told us when exactly it finally arrived.

NEWS NEWS News News news ....

Dr. M. OMORI from Tokyo reports: *"As a matter of fact, on 9 and 10 April 1976, Japanese copepodologists (nearly all) met in Tokyo to discuss the present status and problems of copepod research. The first national symposium on copepods, "Symposium on Taxonomy of Copepods" was held successfully at that time at the Ocean Research Institute, University of Tokyo. We had 65 participants from all over Japan; 13 lectures including historical reviews of copepod research in Japan by two outstanding old, but still active, scientists, Drs. Tadao Sato and Otohiko Tanaka, were presented. Dr. R. Kuwabara and myself worked mainly for this organization, and the former reported*

*this symposium on Bull. Plankton Soc. Japan 24(1), 68-69, (1977). After the Symposium the participants recognized need of the second meeting. Soon after the symposium however I left Japan for work in La Jolla and Paris, and the second meeting has not been organized so far. When I returned to Tokyo in December 1979, I found that young copepodologists were willing to hold the meeting, and thus we are planning to have it in 1981."*

The illustration on the next page we owe to Ana MILSTEIN from Montevideo who writes: "As an entertaining contribution to *MONOCULUS* I enclose the drawing of "El copépedo eufórico" (The euphoric Copepod). This is the symbol of a football team of the students of Oceanography at our University." What a cunning copepod! Artists to the front for the next issue of *MONOCULUS*!

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### Copepodologists in the lime-light

#### Dr. Helmut KUNZ

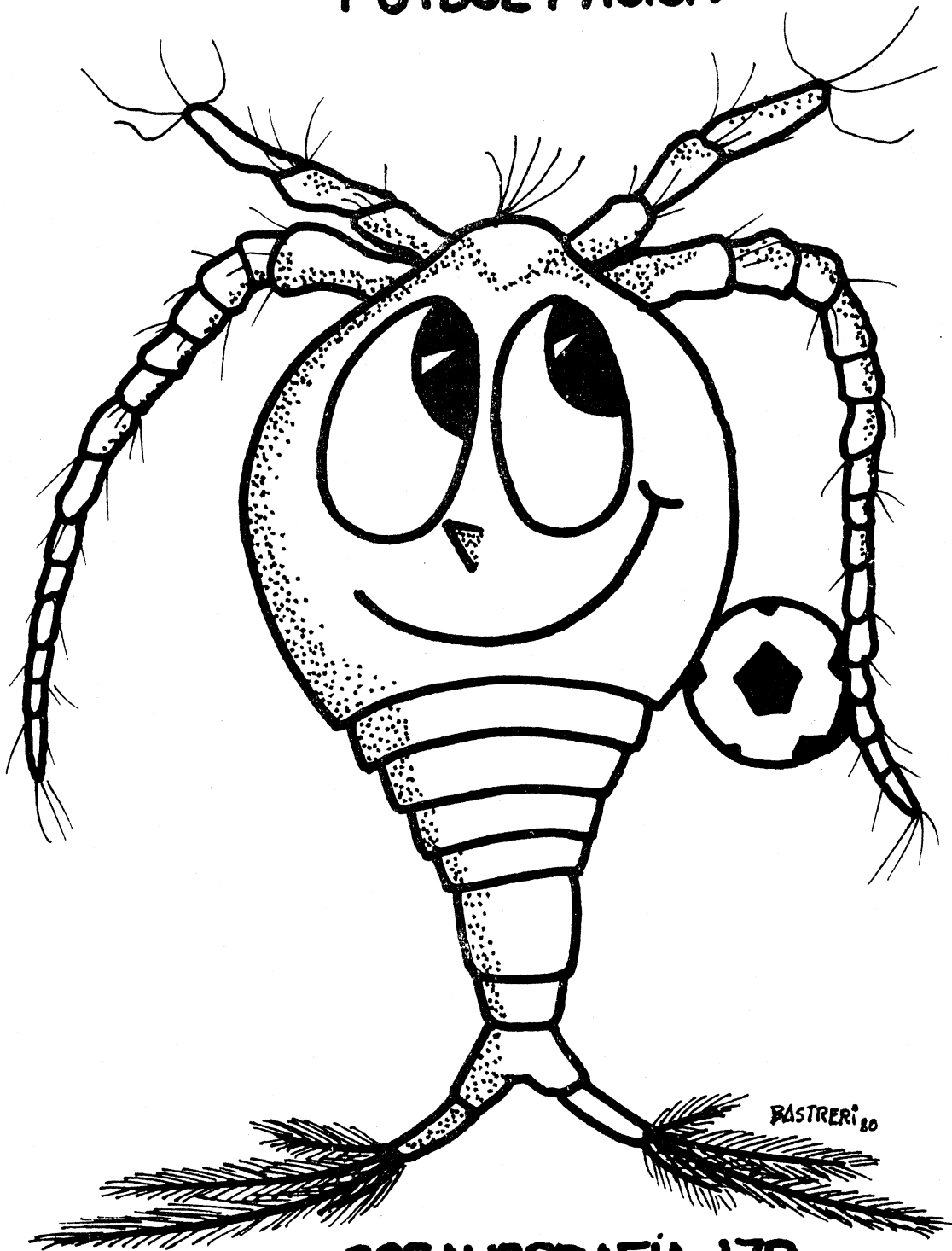
The postcard has brought it to light. Dr. Helmut KUNZ, Bismisheim, W-Germany - well known to all harpacticoid copepodologists - celebrated his 70<sup>th</sup> birthday in October 1980.

His first paper on copepods of Schleswig Holstein and Kiel Bay was published in 1935. Up to now there are almost 30 publications, internationally respected and appreciated. He has been specially interested in paramesochrids on which he is preparing a broad composition at present. His creative urge is to be lightly esteemed because he pursued his studies amongst his occupation in industry until he retired. Helmut KUNZ and his wife spent their holidays in different places of the world, eventually in Hawaii. Samples were taken everywhere to be examined and elaborated at home. Although he is suffering from a liver-complaint his zeal is not abating.

Hoping that his state of health will not worsen and that he will place his excellent knowledge at the copepodologists' disposal for long we like to supply him with an extra congratulation and the very best wishes for his future life.

# EL COPEPODO EUFÓRICO

FÚTBOL-PASION



OCEANOGRAFÍA '79  
FACULTAD DE H. Y CIENCIAS  
URUGUAY

MATERIALS - OFFERS AND REQUESTS

Dr. F. FERRARI from Washington sent the following statement:

Copepod Specimens Available From The  
Smithsonian Oceanographic Sorting Center

Over the past two years technicians at the Smithsonian Oceanographic Sorting Center have been sorting copepods from the Southern Ocean to the familial or generic category. These specimens were collected with a 10ft midwater trawl. To date the megacalanids, euchaetids, scolecithricids, phaennids, heterorhabdids, and the aetideid genera Pseudochirella and Euchirella have been committed to investigators. Requests for information about other pelagic specimens still available for study should be made to: Supervisor for Planktonic Invertebrates, S.O.S.C., Smithsonian Institution, Washington, D.C. 20560, U.S.A.

In addition to these specimens a large number of copepods taken from both pelagic and benthic habitats have been sorted to class only from a wide variety of marine stations. Investigators requesting information about these specimens should indicate the family or genus of interest. Any supplementary information such as habitat (benthic or pelagic), geographical region, depth zone or gear type will help in querying our data files.

Information about available material will be forwarded to the investigator with a "Request for Specimens" form. Upon receipt the request will be evaluated by an outside advisory committee. If approval is granted the specimens will be sent to the investigator who will be asked to remove the animals of interest and return the remaining ones promptly so that these can be made available to others.

Dr. M.S ALMEIDA PRADO-POR, Department of Zoology, The Hebrew University, Jerusalem, Israel, has the following request:

*"Wanted Ctenocalanus! I am interested in receiving specimens of Ctenocalanus from the Atlantic, Pacific, Indian Ocean and Mediterranean in order to compare with species of Ctenocalanus from the Eastern Mediterranean and the Red Sea which I am studying. I shall be very pleased to send material in exchange. Thank you."*

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LIST OF COPEPOD FAMILIES

A list of copepod families has been forwarded to us by Dr. F.D. POR from Jerusalem who had received it from Dr. Th. BOWMAN from Washington with the following remark: "*I am coauthor of a chapter on crustacean classification for Academic Press's 5-volume "Biology of Crustacea" now in preparation. I enclose a copy of the section on Copepoda for your information and also in hopes that you will point out any needed additions or corrections.*" Here is the list. Comments may be sent to Dr. Th. E. Bowman, Smithsonian Institution, Washington D.C. 20560, U.S.A.

subclass Copepoda Milne-Edwards 1840

order Calanoida Sars 1903

- superfamily Augaptiloidea Sars 1905
  - family Arietellidae Sars 1902
  - Augaptilidae Sars 1905
  - Heterorhabdidae Sars 1902
  - Epacteriscidae Fosshagen 1973
  - Lucicutiidae Sars 1902
  - Metridiidae Sars 1902
  - Phyllopidae Brodsky 1950
- superfamily Bathypontiidea Brodsky 1950
  - family Bathypontiidae Brodsky 1950
- superfamily Centropagoidea Giesbrecht 1892
  - family Acartiidae Sars 1903
  - Candaciidae Giesbrecht 1892
  - Centropagidae Giesbrecht 1892
  - Diaptomidae Baird 1850
  - Parapontellidae Giesbrecht 1892
  - Pontellidae Dana 1853
  - Pseudodiaptomidae Sars 1902
  - Sulcanidae Nicholls 1945
  - Temoridae Giesbrecht 1892
  - Tortanidae Sars 1902
- superfamily Clausocalanoidea Giesbrecht 1892
  - family Aetideidae Giesbrecht 1892
  - Clausocalanidae Giesbrecht 1892
  - Diaixidae Sars 1902
  - Euchaetidae Giesbrecht 1892
  - Mesaiokeratidae Matthews 1961
  - Phaennidae Sars 1902
  - Pseudocyclopiidae Sars 1902
  - Scolecithricidae Giesbrecht 1892
  - Spinocalanidae Vervoort 1951
  - Stephidae Sars 1902
  - Tharybidae Sars 1902
- superfamily Eucalanoidea Giesbrecht 1892
  - family Eucalanidae Giesbrecht 1892
- superfamily Megacalanoidea Sewell 1947
  - family Calanidea Dana 1849
  - Calocalanidae Bernard 1958
  - Mecynoceridae Andronov 1973
  - Megacalanidae Sewell 1947
  - Paracalanidae Giesbrecht 1892

- superfamily Platycopioidea Sars 1911
  - family Platycopiidae Sars 1911
- superfamily Pseudocyclopoidea Giesbrecht 1893
  - family Pseudocyclopidae Giesbrecht 1893
  - Ridgewayiidae M.S.Wilson 1958
- superfamily Riocalanoidea Andronov 1974
  - family Riocalanidae Andronov 1974

Order Harpacticoida Sars 1903

- suborder Polyarthra Lang 1948
  - family Canuellidae Lang 1948
- suborder Oligarthra Lang 1948
  - infraorder Maxillipedasphalea Lang 1948
    - superfamily Cerviniidoidea (pro superfamily Cerviniidimorpha Lang 1948)
      - family Cerviniidae Sars 1903
      - Aegisthidae Giesbrecht 1892
    - superfamily Ectinosomatoidea (pro Ectinosomidimorpha Lang 1948)
      - family Ectinosomatidae Sars 1903
    - superfamily Neobradoidea (pro Neobradidimorpha Lang 1948)
      - family Chappuisiidae Chappuis 1940
      - Darcythomsoniidae Lang 1936
      - Neobradidae Oloffson 1917
      - Phyllognathopodidae Gurney 1932
    - infraorder Exanechentera Lang 1948
      - superfamily Tachidioidea (pro Tachidiidimorpha Lang 1948)
        - family Harpacticidae Dana 1846
        - Tachidiidae Sars 1909
      - superfamily Tisboidea (pro Tisbidimorpha Lang 1948)
        - family Clytemnestridae A. Scott 1909
        - Peltidiidae Sars 1904
        - Porcellidiidae Sars 1904
        - Tegastidae Sars 1904
        - Tisbidae Stebbing 1910
      - infraorder Podogennonta Lang 1948
        - superfamily Ameiroidea (pro Ameiridimorpha Lang 1948)
          - family Ameiridae Monard 1927
          - Canthocamptidae Sars 1906
          - Cylindropsyllidae Sars 1909
          - Louriniidae Monard 1927
          - Paramesochridae Lang 1948
          - Parastenocaridae Chappuis 1933
          - Tetragonicipitidae Lang 1944
        - superfamily Cletodoidea (pro Cletodidimorpha Lang 1948)
          - family Ancorabolidae Sars 1909
          - Cletodidae T. Scott 1904
          - Laophontidae T. Scott 1904
        - superfamily Metoidea (pro Metidimorpha Lang 1948)
          - family Metidae Sars 1910
        - superfamily Thalestroidea (pro Thalestridimorpha Lang 1948)
          - family Balaenophilidae Sars 1910
          - Diosaccidae Sars 1906
          - Miracidae Dana 1846
          - Parastenheliidae Lang 1936
          - Thalestridae Sars 1905
  - suborder incertae sedis
    - family Gelyellidae Rouch and Lescher-Moutoué 1977
    - Latiremidae Bozic 1969

