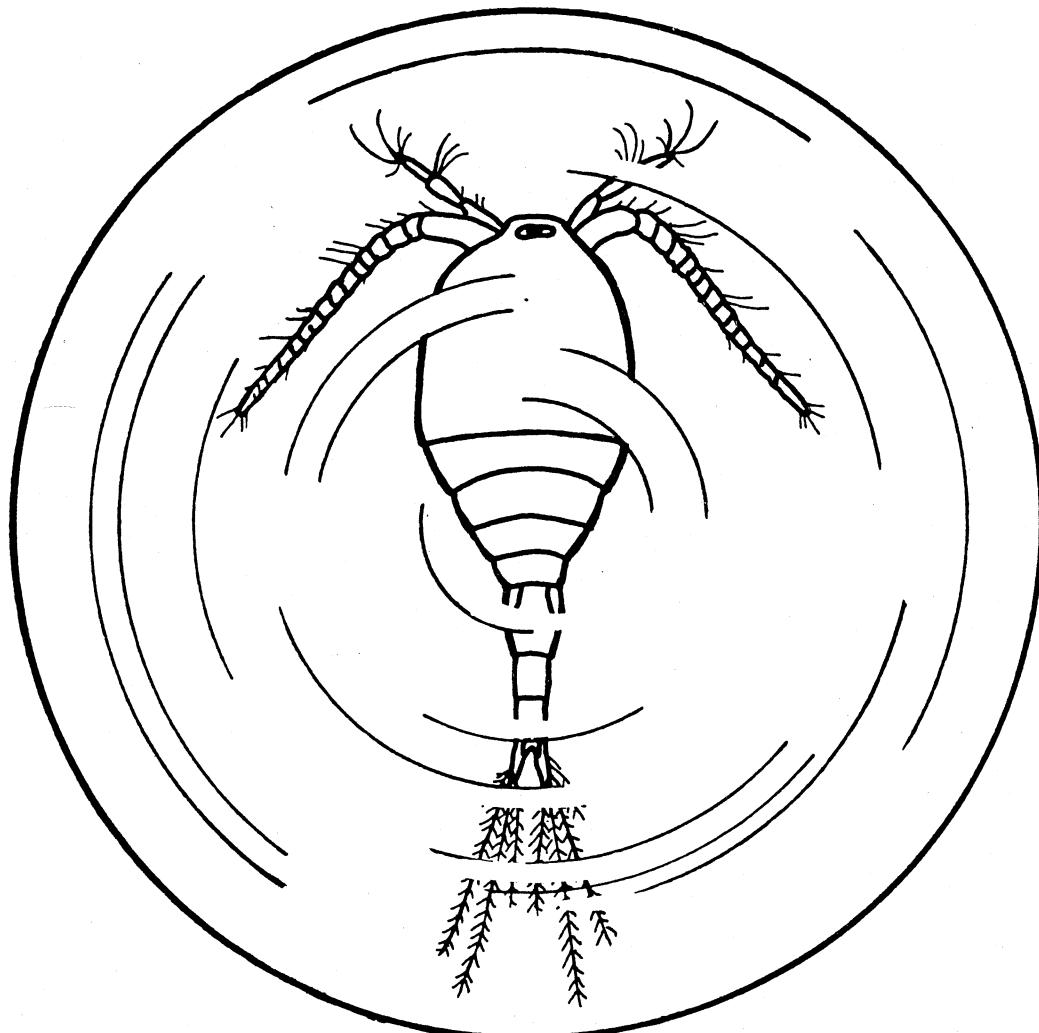


MONOCULUS

Copepod Newsletter



Nr. 2

February 1981

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Copepod Newsletter

Number 2

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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

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 copépodo 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!

Copepodologists in the lime-light

Dr. Helmut KUNZ

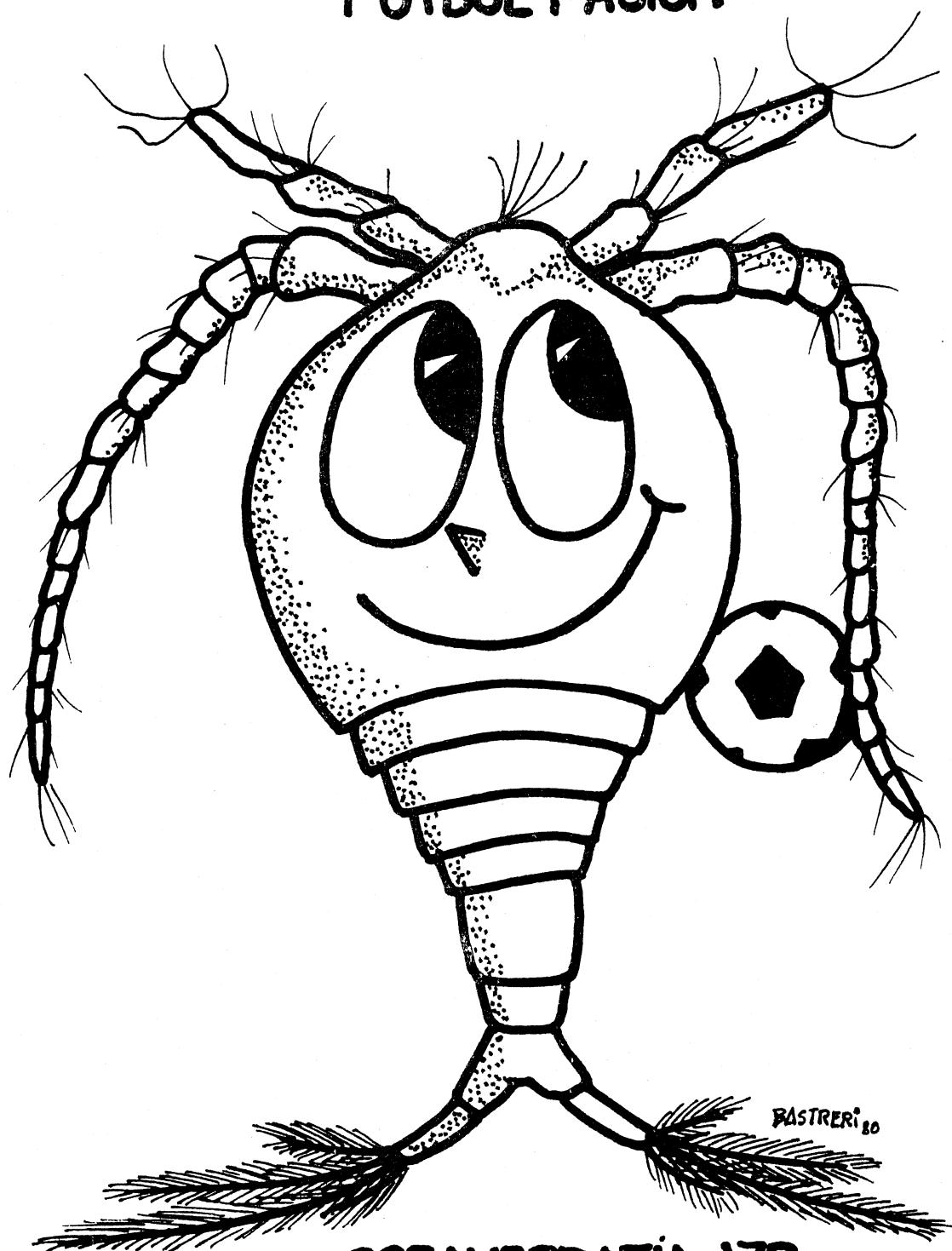
The postcard has brought it to light. Dr. Helmut KUNZ, Bischmisheim, W-Germany - well known to all harpacticoid copepodologists - celebrated his 70th birthday in October 1980.

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 abrating.

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-PASIÓN



BASTRERI '80

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 Eucalanoida Giesbrecht 1892
 family Eucalanidae Giesbrecht 1892
superfamily Megacalanoida Sewell 1947
 family Calanidea Dana 1849
 Calocalanidae Bernard 1958
 Mecynoceridae Andronov 1973
 Megacalanidae Sewell 1947
 Paracalanidae Giesbrecht 1892

superfamily Platycopoidea 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 Maxillipedasphelea 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 Neobradyoidea (pro Neobradyidimorpha
 Lang 1948)
 family Chappuisiidae Chappuis 1940
 Darcythomsoniidae Lang 1936
 Neobradyidae 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
 Parastenhelidae Lang 1936
 Thalestridae Sars 1905
suborder incertae sedis
 family Gelyellidae Rouch and Lescher-Moutoué 1977
 Latiremidae Bozic 1969

- order Cyclopoida Bürmeister 1834
family Archinotodelphyidae Lang 1949
Ascidicolidae Thorell 1860
Botryllophyllidae Sars 1911
Buproridae Thorell 1859
Cyclopidae Dana 1853
Cyclopiniidae Sars 1913
Doropygidae Brady 1878
Enterocolidae Sars 1921
Enteropsidae Aurivillius 1887
Lernaeidae Cobbold 1879
Namakosiramiidae Ho and Perkins 1977
Notodelphyidae Thorell 1859
Oithoniidae Sars 1913
Schizoproctidae Aurivillius 1887
- order Poecilostomatoida Thorell 1859
family Anomoclausiidae Gotto 1964
Anomopsyllidae Sars 1921
Bomolochidae Sumpf 1871
Catiniidae Bocquet and Stock 1957
Chondrocanthidae Milne Edwards 1840
Clausidiidae Embleton 1901
Clausidiidae Giesbrecht 1895
Corycaeidae Dana 1852
Corallovexiidae Stock 1975
Cucumaricolidae Bocquet & Delamare-Debouteville 1959
Echiurophilidae Delamare-Deboutteville & Nunes-Ruivo 1955
Ergasilidae Nordmann 1832
Eunicicolidae Sars 1918
Gastrodelphyidae List 1890
Lamippidae Joliet 1882
Lichomolgidae Kossman 1877
Mantridae Leigh-Sharpe 1934
Myicolidae Yamaguti 1936
Mytilicolidae Bocquet & Stock 1957
Nereicolidae Claus 1875
Oncaeidae Giesbrecht 1892
Pharodidae Illig 1948
Philobennidae Izawa 1976
Philichthyidae Bassett-Smith 1899
Phyllodicolidae Delamare-Deboutteville 1960
Pseudanthessiidae Humes & Stock 1972
Rhynchomolgidae Humes & Ho 1967
Sabelliphilidae Gurney 1927
Sapphirinidae Thorell 1859
Sarcotacidae Yamaguti 1963
Serpulidicolidae Stock 1979
Shiinoidae Cressey 1975
Splanchnotrophidae Norman & Scott 1906
Synaptiphilidae Bocquet & Stock 1957
Taeniacanthidae Wilson 1911
Telsidae Ho 1967
Tuccidae Vervoort 1962
Urocopidae Humes & Stock 1972
Vahiniidae Humes 1966
Vermiclavellidae
Xarifiidae Humes 1960

- order Siphonostomatoida
- family Ascomyzontidae Thorell 1859
 - Asterocheridae Giesbrecht 1899
 - Artotrogidae Brady 1880
 - Brychiopontiidae Humes 1974
 - Caligidae Dana 1852
 - Calvocheridae Stock 1968
 - Cancerillidae Giesbrecht 1897
 - Catlaphilidae Tripathi 1960
 - Cecropidae Dana 1852
 - Choniostomatidae Hansen 1886
 - Dichelesthiidae Dana 1853
 - Dinopontiidae Murmane 1967
 - Dirivultidae Humes & Dojiri 1980
 - Dissonidae Yamaguti 1963
 - Dyspontiidae Giesbrecht 1895
 - Entomolepidae Brady 1899
 - Eudactylinidae Yamaguti 1963
 - Euryphoridae Wilson 1905
 - Hatschekiidae Kabata 1979
 - Herpyllobiidae Hansen 1892
 - Hyponeoidae Heegaard 1962
 - Kroyeriidae Kabata 1979
 - Lernaeoceridae Gurney 1933
 - Lernaeopodidae Olsson 1869
 - Lernanthropidae Kabata 1979
 - Megapontiidae Heptner 1968
 - Micropontiidae Gooding 1957
 - Myzopontiidae Sars 1915
 - Nanaspididae Humes & Cressey 1959
 - Noabanchiidae Yamaguti 1939
 - Nicothoidae Dana 1852
 - Pandaridae Milne Edwards 1840
 - Penellidae Dana 1853
 - Pontoeciellidae Giesbrecht 1895
 - Pseudocycnidae Wilson 1922
 - Rataniidae Giesbrecht 1897
 - Saccopsidae Lützen 1964
 - Sphyriidae Wilson 1915
 - Spongiocnizontidae Stock & Kleeton 1964
 - Stellicomitidae Humes & Cressey 1958
 - Tanypleuridae Kabata 1969
 - Trebiidae Wilson 1932
 - Ventriculinidae Leigh-Sharpe 1934
 - Xenocoelomidae Bresciani & Lützen 1966
- order Monstrilloida Sars 1903
- family Monstrillidae
 - Thespesiopsyllidae
- order Misophryoida
- family Misophryidae Brady 1878
- order Mormonilloida Boxshall 1979
- family Mormonillidae Giesbrecht 1892
- order incertae sedis
- family Antheacheridae M. Sars 1870
 - Mesoglicolidae Zulueta 1911
 - Sponginticolidae Topsent 1928
 - Staurosomidae Zulueta 1911

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THE 1st INTERNATIONAL CONFERENCE ON COPEPODA

Amsterdam, 24-28 August 1981

In preparation of the "First International Conference on Copepoda" a group consisting of F.D. Por, J.H. Stock, J.C. von Vaupel Klein, G. Schriever and H.K. Schminke met in Frankfurt on 17th October 1980. The meeting was held at the "Senckenberg Museum". We thank Dr. W. KLAUSEWITZ for offering the facilities of the Museum and in particular Dr. Renate HAASS for her cheerful hospitality. Later on her husband Gerd HAASS joined us for a very gay cider party down town while J.H. Stock and J.C. von Vaupel Klein were on their flight already back to Amsterdam.

The number of registrations for the Conference is very promising, indeed. Almost 100 copepodologists from 23 countries have registered so far, and some 60 open lectures have been proposed. A list of participants and of provisional titles dating from January 14, 1981, is given below.

If you have not yet booked, please do so before March 15, 1981, either by using the form appended to *MONOCULUS* nr. 1 or just by letter to the Chairman: Prof. Dr. Jan H. Stock, Institute of Taxonomic Zoology, P.O. Box 20125, NL - 1000 HC Amsterdam, The Netherlands.

We urge all participants to make hotel reservations well in advance either through the Conferences offices, or directly through your travel agent. In Holland, Messrs. Thomas Cook/Wagons Lits handle the hotel bookings for the conference. Since the cheaper Amsterdam hotels may be fully booked in August, the tourist season, late bookings may result in higher prices for accomodation.

Preliminary list of participants and of papers
First International Conference on Copepoda (Amsterdam, 24-28 August
1981)

- R. Stewart Anderson, Montreal (Canada) - Impact of *Aglaodiaptomus leptopus* on community structure in small mountain lakes.
- A.M. Apostolov, Burgas (Bulgaria) - title not provided
- G.H. Arnott, Queenscliff (Australia) - A case of reversed migration of plankton in Port Phillip Bay, Aust.
- P.I. Blades, Fort Pierce (USA) - Oogenesis of *Labidocera aestiva*.
- J. Boucher, Brest (France) - no lecture.
- L.A. Bouman, Haren (Netherlands) - no lecture.
- J.M. Brelynski, Wimereux (France) - title not provided.
- A.F. Campaner, Sao Paulo (Brazil) - title not provided.
- A. Carli, Genova (Italy) - Fatty acids in populations of *Tigriopus* sp.
- M.A.J. de Carvalho, Sao Paulo (Brazil) - no lecture.
- P. Chandra Mohan, Visakhapatnam (India) - Copepoda of the Godavari Estuary.
- J. Chojnacki, Szczecin (Poland) - Quantitative occurrence of Copepoda in southern Baltic inshore.
- D.M.L.E. Claeys, Gent (Belgium) - no lecture.
- C.J. Corkett, Wolfville (Canada) - Observations on development .
- N. della Croce, Genova (Italy) - no lecture.
- A.H.B. de Decker, Cape Town (South Africa) - Distribution patterns of epipelagic copepods in the SE Atlantic and SW Indian Ocean.
- A.Dietrich, Helgoland (FR Germany) - Stage specific classification of copepods with automatic image analysis.
- U. Einsle, Konstanz (FR Germany) - Chromatin-dimunition in genus Cyclops s.str.
- F. Ferrari, Washington (USA) - Evidence for pleiotropy in...*Pleuromamma*.
- F. Fiers, Brussels (Belgium) - Morphology of the antenna and its importance in the systematics of Cyclopidae.
- R. Gaudy, Marseille (France) - Secondary production of two species of pelagic copepods from neritic waters of the French Mediterranean coast.
- D.C. Geddes, Paisley (U.K.) - no lecture.
- M. Gophen, Tiberias (Israel) - The rôle of cyclopoids in lake Kinneret ecosystem.
- R.V. Gotto, Belfast (N. Ireland) - Observations on *Synaptophilus tridens*, an ecto-associate of holothurians.
- B.M. Harding, Miami (USA) - Distribution of free-swimming Copepoda in the Persian Gulf.
- C. Heip, Gent (Belgium) - Temporal stability of copepod life-cycles.
- R. Hipeau-Jacquette, Marseille (Farnce) - Evolutive dimorphism related to environmental factors.
- H.-J. Hirche, Kiel (FR. Germany) - The occurrence of *Calanus finmarchicus* in a Swedish fjord.
- J.-S. Ho, Long Beach (USA) - Accessory antennule and the origin of Chondracanthidae.
- K. Hulsemann, Hamburg (FR. Germany) - Calanoida from the equatorial Atlantic at 22° W.
- A.G. Humes, Woods Hole (USA) - Taeniakanthids from Sea Urchins.
- T. Ito, Sapporo (Japan) - Phylogenetical study of the fam. Harpacticidae: character differentiation process through the developmental stages.
- V.N. de Jonge, Haren (Netherlands) - no lecture.

- Y. Kikuchi, Itako-machi (Japan) - no lecture.
- A.V. Kovalev, Sevastopol (USSR) - Copepod fauna of the South-Atlantic anticyclonal circle.
- M.H. Ktari, Tnis (Tunisie) - Le parasitisme des Scianidae par Lernaenicus en Tunisie.
- W.Y. Lee, Port Aransas (USA) - no lecture.
- M.H. Lewis, Auckland (New Zealand) - The New Zealand freshwater Harpacticoida.
- D. Maggi, L'Aquila (Italy) - Sur la variabilité de certains caractères diagnostiques chez Diacyclops languidoides des eaux souterraines d'Italie.
- E.J. Maly, Montreal (Canada) - Factors affecting size of various North American diaptomid copepods.
- N.H. Marcus, Woods Hole (USA) - Photoperiodic control of diapause in Labidocera aestiva.
- W. Mielke, Göttingen (FR Germany) - no lecture.
- A. Milstein, Montevideo (Uruguay) - Plankton sampling strategy in variable environments.
- Th. Monod, Paris (France) - no lecture.
- M. Omori, Tokyo (Japan) - no title provided.
- I. de Paiva, Lisbon (Portugal) - no lecture.
- G.L. Pesce, L'Aquila (Italy) - Some remarks on the variability of Nitocrella stammeri (with D. Maggi).
- D. Por, Jerusalem (Israel) - no title provided.
- M.S. Por-Almeida Prado, Jerusalem (Israel) - The genus Ctenocalanus in the Gulf of Eilat (Aqaba).
- Y. Radha Krishna, Guntur (India) - Life history of Allodiaptomus raoi.
- F.C. Ramirez, Mar del Plata (Argentine) - Distribution and abundance of marine copepods in Argentine shelf waters.
- Y. Ranga Reddy, Guntur (India) - The Indian diaptomid genera - a critical taxonomic account.
- R. Rouch, Moulis (France) - Structure des peuplements dans les aquifères karstiques (Harpacticoida).
- C1. Razouls, Banyuls (France) - Etat actuel sur la classification des Copépodes pélagiques.
- D. Regner, Split (Yugoslavia) - Seasonal and multiannual oscillations of copepod density in the Central Adriatic.
- F. Sander, St. James (Barbados) - Size variation and sex ratio in Barbados copepods.
- M. Saraswathy, Cochin (India) - Ecology of Pleuromamma indica in the Indian Ocean; and Protozoan associates from copepods (with V. Santhakumari).
- G. Schriever, Kiel (FR Germany) - no lecture.
- K. Schirl, Neukirchen/Vöckla (Austria) - no lecture.
- H.K. Schminke, Oldenburg (FR Germany) - Development of Parastenocaris vicesima.
- C.T. Shih, Ottawa (Canada) - no lecture.
- A.A. Shmeleva, Sevastopol (USSR) - Peculiarities in composition and distribution of zooplankton above bottom rises in the Mediterranean.
- J.H. Stock, Amsterdam (Netherlands) - Presence of gall-building siphonostome Copepoda on stylasterine corals.
- H. Tieman, Hamburg (FR Germany) - Is the taxon Harpacticoida a monophyletic one?

- D.V. Uma Devi, Waltair (India) - The structure and cytochemistry of neurosecretory cells in *Pseudocycnus appendiculatus*.
- S.-I. Uye, Fukuyama (Japan) - Effect of organic sea-bottom pollution on survivability of resting eggs of neritic calanoids.
- J.C. von Vaupel-Klein, Leiden (Netherlands) - no lecture.
- I. van der Velde, Gent (Belgium) - Introduction of new identification characters in Copepoda, with *Mesocyclops* as an example.
- W. Vervoort, Leiden (Netherlands) - no lecture.
- T. Vučetić, Split (Yugolsvia) - *Calanus helgolandicus* long term survey in the Central Adriatic (1957-1980).
- S. Wellershaus, Bremerhaven (FR Germany) - Photography of living copepods.
- D.F. Whybrew, Goettingen (FR Germany) - The distribution of the species of *Paraleptastacus* in beaches of decreasing exposure on the North Sea island of Sylt.
- ... Willems, Gent (Belgium) - no lecture.
- M.J. Yongbluth, Fort Pierce (USA) - Ultrastructure of the pigment knob on *Pleuromamma* sp., and Mating behavior of *Pseudodiaptomus* spp. (with Jacoby).
- T. Zunini Sertorio, Genova (Italy) - no lecture.

Latest additions:

- G. Boxshall, London (UK) - Functional morphology of *Benthomisophria*.
- A. Carli, Genova (Italy) - Studies on certain copepods parasitic on fishes: the early hatching stages (with C.L. Bruzzone).