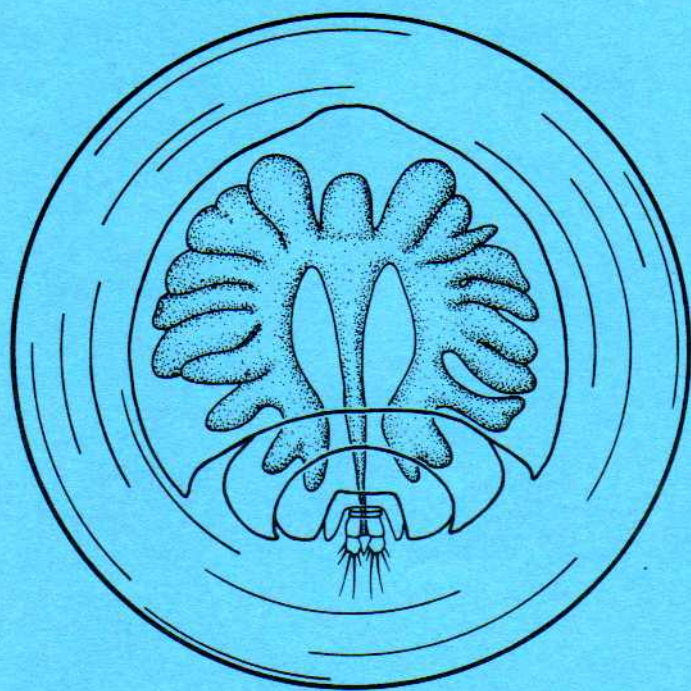


MONOCULUS

Copepod Newsletter



Nr. 26

December 1993



Bibliotheks- und Informationssystem der Universität Oldenburg
North American Edition distributed by National Museums of Canada

MONOCULUS
Copepod Newsletter

Number 26

November 1993

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Produced by: H. Kurt Schminke and Bibliotheks- und Informationssystem (BIS) der Universität Oldenburg, Ammerländer Heerstr. 67/99, D-26111 Oldenburg, Germany.

Distributed in North America by: National Museum of Canada (Chang-tai Shih, National Museum of Natural Sciences, Zoology Division, P.O. Box 3434, Station D, Ottawa, Ontario, Canada U1A 6P4).

This issue has been typed by: Dinah George-Henning, Arbeitsgruppe Zoomorphologie, Fachbereich 7 (Biologie), Universität Oldenburg.

Cover: Gross morphology of the digestive tract of *Artotrogus orbicularis* Boeck (after BOXSHALL 1986 - *Syllogeus* 58: 167)

Deadline for the next issue of MONOCULUS: 1st March 1993

---NEW MEMBERS OF WAC---

ARGENTINA: Menu-Marque --**AUSTRALIA:** O'Neil --**BRASIL:** Amado, Lopes, Moreira --**CANADA:** Boileau, McQueen, Moran, Sprules --**COSTA RICA:** Morales --**COLUMBIA:** Gaviria --**FRANCE:** Gaudy --**FINNLAND:** Transkanen, Viitasalo --**GERMANY:** Arbizu, Arlt, Hosfeld, Einsle, Metz, Rolke, Sach, Vopel, Walossek, Willen --**GREAT BRITAIN:** Conroy-Dalton, Joyce, Mauchline --**HONGKONG:** Wong --**INDIA:** Jayarajan --**ITALY:** Battaglia, Belmonte, Cataletto, Comaschi, Fonda Voiani, Ianora, Mazzocchi, Miralto, Stoch --**JAPAN:** Hirota, Hisae, Oh, Saito --**MEXICO:** Alvarez-Silva, Gomez-Noguera, Hernandez-Trujillo, Rodriguez-Alvarez --**NETHERLANDS:** Franz, v. Duren --**NORWAY:** Norrbín --**PHILIPPINES:** McManus --**RUSSIA:** Kosobokova, Pasternak, Markhaseva, Vyshkvartzeva --**SPAIN:** Conradi, Lopez-Gonzales --**SOUTH AFRICA:** A. Oldewage, Verheye --**SOUTH KOREA:** Choi, Kang, Lee, Lim --**TAIWAN:** Chang, Lin --**UKRAINE:** Evstigneev, Kolesnikova, Pavlova, Sazhina, Yu Prusova, Yu Tamoykin --**USA:** Ambler, Arnofsky, Bucklin, Bundy, Dam, Fornshell, Grygier, Longley, Lopez, Lotufo, Marcotte, Ohman, L. S. Roberts, Ruber, Schizas, Stancyk, Strickler, Williamson, Yen, Youngbluth, Zhang--.

EDITORIAL

A year with an exciting International Copepod Conference has passed by. The highlights of the Baltimore meeting will be outlined in this issue by the local secretary of the conference Brian Bradley.

MONOCULUS 26 is reaching you late. We are not even sure whether it will be on everybody's Christmas plate. This delay is mainly due to the change in editorship. The new main editor has just returned from a stay abroad, the old main editor is on sabbatical leave, so the relay took some time. I shall keep the tradition of size, format and lay-out basically. However, I would like to extend the literature section to all papers dealing with any aspect of copepods, not only those sent to the MONOCULUS library (these will be marked by an asterisk in the future). For this goal I shall ask the current officers (as well as volunteers) for a copy of their literature entries. We are also going to publish a list of copepodologists with e-mail addresses.

Being concerned about financial support for copepod research worldwide we consider a series of contributions on applied copepod studies starting in 1994. We want experts to report on the contents, methods and goals of their applied copepod research. We are interested in an evaluation of the (potential) role of copepods, e.g. in pest control, fisheries (as parasites or food) and as tools for environmental assessment studies. We would like to provide recommendations for fund raising proposals and on funding agencies (experienced colleagues are welcome to contribute). We also want to provide an information platform for any kind of scholar exchange programme, research projects with job opportunities, stipends etc. There is much more on the marked than most of us are aware of!

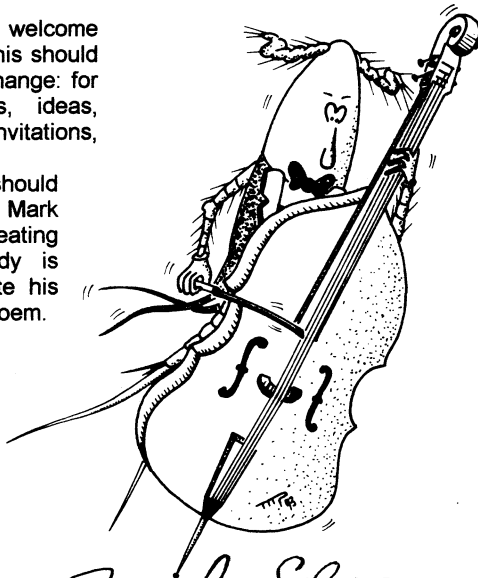
. Most important: everybody is welcome to contribute to MONOCULUS. This should be our forum for information exchange: for news on results and failures, ideas, requests, announcements, invitations, opinions, controversials.

Last not least, MONOCULUS should continue providing some fun. Mark Pottek promised not to cease creating new caricatures. And everybody is welcome to try and to contribute his own original cartoon, limerick or poem.

A Merry Christmas
and a Happy New Year,

Hans-U. Jahnke

J. K. Minz *J. Schmitt*



BALTIMORE COPEPODA CONFERENCE
(b y Brian Bradley, Baltimore, USA)

The V stage of Copepoda is now complete and as far as we know everyone has gone home. Those of you who attended were among 168 people from 34 countries. Hopefully most of the attendees felt it was worthwhile. Perhaps with time you will remember the good times and will forget the hot weather, prank phone calls in the dorm, problems with the projector, all the announcements and everything else that was annoying at the time. See, you'd forgotten already!

We are still working on Conference business and this letter is intended to answer some questions you may have.

Frank Ferrari is working hard on the manuscripts. He would like to get responses from reviewers as soon as possible so we can make the very tough decisions about which mss. are included. Some excellent papers may not be included because of the tight restraints imposed by the publisher. So, please be patient.

When the last participants have been identified on the group photo, it will be sent to all who ordered. The informal pictures are being sent now.

T-shirts will also be sent when available to those who ordered later.

One disappointment was the video record of the conference. I had hoped it would be sufficiently uniform in quality to formally offer edited versions to participants. Instead, I'm asking you to let me know if you'd like your talk, your session or the whole conference, without captions or editing. The conversion to other systems is too expensive one at a time, so we can only offer NTSC (The American/Japanese System).

Chad has something to add about the copepod researcher list. He is giving you one last chance to add to or correct the list started at the V International Conference, which includes all known Copepodologists. So please send any names, addresses, phones, fax, E-mail #, and topics of research that you deal with. These will be included in the listings. Chad' s address is:

T. Chad Walter
Smithsonian Institution
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Washington, DC 20560 USA

PRESENT KNOWLEDGE OF MARINE PLANKTONIC AND BRACKISH
WATER COPEPODS. CORRECTIONS AND COMPLEMENTARY REMARKS.

(by Claude Razouls
Laboratoire Arago, 66650 Banyuls-sur-mer, France)

This work is an updating of the exhaustive inventory of marine planktonic and brackish water copepods published in 1982 (1). Based on later publications, the author gives the references concerning new species and reexamines the taxonomic positions of the species, making corrections and giving complementary information.

250 genera distributed in 62 families are recorded. The total number of species is close to 1950.

* This document appears as microfiche with the reference:

Razouls Claude SN 91 400 537 - microfiche 91 05 37 - (its cost is about 60 Frs)

* It may be obtained by sending an order to:

Mme G. DEBREGEAS - LAURENIE, Institut d'Ethnologie, Musée de l'Homme Palais de Chaillot, Place du Trocadéro, 75 116 Paris. France.

* On receipt of an order, the payment of the invoice should be made to:

Agent Comptable du Museum National d'Histoire Naturelle (Institution d'Ethnologie) at the address above.

(1) Taxonomic world-wide repertory and provisional bibliography of planktonic Copepoda from both the sea and brackish water. Various systems of classification. Vol I (pages 1 to 394): Razouls Claude SN 82 400 339 - microfiche 83 03 39 cost Vol. II (pages 395 to 781 + bibliography pages 782-875): Razouls Claude SN 82 400 340 - microfiche 83 03 40.

ADVANCES IN COPEPODOLOGY

(by Horst Kurt Schminke and Gustav-Adolf Paffenhöfer)

In the last issue of MONOCULUS suggestions have been made to strengthen the cohesion among copepodologists. Copepodology unites a wide variety of biological disciplines under the common roof of a particular group of organisms. These disciplines have gathered a great wealth of information on copepods but this information has hardly been assimilated beyond the limits of each of these disciplines. Most of this information is also widely dispersed in the literature. Therefore a need for review articles is undeniable. Such articles could stimulate interdisciplinary contacts and be of practical use for those writing grant proposals and in need of references for the current state of the art. It has been suggested to initiate a regular series of volumes under the title "Advances in Copepodology" to create a forum for such review articles.

We have decided to take the initiative and to act as editors (hopefully together with a third volunteer) and probably also as producers of such a series. We want to produce one volume a year and to devote every third volume to the Proceedings of our International Conferences of Copepoda. It is our intention to publish the first volume in 1995 or 1996 depending on the response to this announcement. We need volunteers with interesting and timely topics.

This is the first call for contributions. If you feel you have something to offer, please contact one of us.

-TIC OR -TONIC
(a repic by Bernard Dussart)

In fact, we must differentiate several concepts inside what is called planktonic or planktic, sensu H.K.S. If planktic derives from "planktos", floating around, we have to give a name to the community which is "floating around" and another name to the space where this community is living (deriving from "pelagos"). Floating around is a static and individual approach. I suggest to call planktonic the community deriving from a greek term for this community: plankton. Is it acceptable? Moreover, "planktic species" is based on a notion, whereas "planktonic individuals" are living realities. The first are not restricted to time and space but the second are... Idem for benthic/ benthonic (bentic/ bentonic ?) of course ... What could be true in paleontology is not always true for the contemporary biosphere.

CURRENT RESEARCH ACTIVITIES

Frank D. Ferrari; USA, Washington, D. C.:

In the next number of the Proceedings of the Biological Society of Washington, 106(3), I describe several copepodid stages of the calanoid copepod *Scopalatum vorax* (Scolecitrichidae). I differentiate the exopod and endopod of pre-maxillipedal legs and the maxilliped by analysing setal developmental patterns (the stages at which various setae are added to segments of an appendage). In a manuscript now in preparation describing all copepodids of a new species of *Ridgewayia*, I extend the analytical technique to differentiate internal lobes of pre-maxillipedal legs and the maxilliped. The purpose of these analyses is to use setal developmental patterns to examine segment homologies among copepod appendages.

ANNOUNCEMENT

"ZOEAE": A newsletter on Crustacean larvae

"ZOEAE" is a newsletter intended for all workers interested in Crustacean larval development. This newsletter will serve as a forum to share results, to exchange ideas, and report on successes and failures. Interested carcinologists are encouraged to send us their address for the mailing list, short articles for publications, other items of interest, recent publications (since 1992), and suggestions for topics for us to consider. Publication will start in January 1994. Addresses of the editors are:

J. A. CUESTA, Departamento de Ecología, Facultad de Biología, Apdo. 1095, E-41080 Sevilla, Spain. (FAX (95) 4615780)

and

J. I. GONZALEZ-GORDILLO, Laboratorio de Biología Marina, Facultad de Biología, Apdo. 1095, E-41080 Sevilla, Spain. (FAX (95) 4233480).

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