

MONOCULUS

copepod Newsletter



Nr. 34



OCTOBER 1997

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MONOCULUS

Copepod Newsletter

Number 34

October 1997

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The following colleagues are acknowledged for substantial help in providing literature sources: Sophie Conroy-Dalton (London), Danielle Defaye (Paris), Ju-shuey Ho (U.S.A.), Adrianna Ianora (Italy), Anna F. Pasternak (Russia), Shin-ichi Uye (Japan), Chad Walter (U.S.A.).

This issue has been typed by: Angelika Sievers; cover as well as cartoons by M. Pottek (Fachbereich 7, Universität Oldenburg).

Cover: The sequence of mating behaviour of the harpacticoid *Tisbe holothuriae* (after: DÜRBAUM, J. 1995 - Mar. Biol. 123: 81-88)

Birthdays: 70 Dov Por

Deadline for the next issue of MONOCULUS: 31st March 1998

WAC - TREASURER's REPORT 1995/1996

1. The financial situation

	01.01. - 31.12.1995	01.01. - 31.12.1996
Balance forward	21,436.63 DM	19,109.63 DM
Deposits	3,423.82	9,980.18 DM
Interests	755.05 DM	409.93 DM
Total	4,178.87 DM	10,390.11 DM
Expenses		
Transfer to Conference	5,000.63 DM	2,500.00 DM
Support of MONOCULUS 95/96	1,246.52 DM	1,408.88 DM
Account dues	152.00 DM	152.00 DM
Travel costs	---	220.50 DM
Total	6,505.57 DM	4,281.38 DM
Balance	19,109.93 DM	25,218.66 DM

2. Comment on the financial situation

The financial situation of WAC looks always better than it actually is. Several members have used the opportunity to pay their dues in advance during the Oldenburg Conference. I wish to thank all members who have paid their dues and enabled us to print and distribute the MONOCULUS Copepod Newsletter as well as to support some colleagues to attend the Oldenburg Conference.

WAC - TREASURER's REPORT 1996/1997

WAC money was on a special account to gain more interests. Therefore the WAC account at the Commerzbank Kiel could be closed early in June 1997. Attached please find the final financial status of this account. All money was transferred to Dr. J. Fornshell, the new treasurer, elected during the Oldenburg Conference. Dr. Fornshell has acknowledged receipt of the money by e-mail.

1. The financial situation

	01.01. - 31.12.1996	01.01. - 06.06.1997
Balance forward	19,109.93 DM	25,218.66 DM
Deposits	9,980.18 DM	494.42 DM
Interests	409.93 DM	487.46 DM
Total	10,390.11 DM	981.88 DM
Expenses		
Transfer to Conference	2,500.00 DM	---
Support of MONOCULUS 95/96	1,408.88 DM	---
Account dues	152.00 DM	130.84 DM
Travel costs	220.50 DM	---
Transfer to the new treasurer		26,200.54 DM
Total	4,281.38 DM	26,200.54 DM
Balance	25,218.66 DM	000.00 DM

This was the last financial report of your "old" treasurer. I wish to thank all of you who have paid their dues during all the years since we have started the WAC in Canada. it was a great pleasure for me to serve the WAC over such a long time. Attending all our Conferences it was always nice to meet so many of you personally and to learn which faces were hidden behind all these addresses. I am now out of the administrative business of the WAC, but that does not mean that I am out of WAC. I will be a member in the future and hope to see you on the next Conference at Curitiba/Brazil. Again thanks to all who have supported my work as treasurer in so many ways in the past - to Kurt Schminke and Hans-Uwe Dahms with whom I have edited MONOCULUS, and to Chris Corkett and Janet Reid who acted as General Secretaries and all those who have encouraged me by mail to go on the way we have started MONOCULUS and the WAC.

Hohenwestedt, 2nd October 1997

Dr. Gerd Schriever

Interviewing Copepodologists

Arthur Humes

Arthur Grover Humes was born on 22 January 1916. He received an A.B. degree from Brown University in 1937, a M.Sc. from Louisiana State University, and a Ph.D. from the University of Illinois in 1941. He first became interested in parasitic copepods at the marine laboratory of Louisiana State University on the coast of the Gulf of Mexico in 1939. There he noticed the harpacticoid *Cancrincola* in the gill chambers of crabs and the poecilostomatoid *Clausidium* on the bodies of ghost shrimps. Since then he has focused his research on parasitic or commensal cyclopoids, poecilostomatoids, and siphonostomatoids.

During World War II, he served in the United States Naval Reserve from 1942-1946 and spent many months in New Guinea, Borneo, and the Philippines. In 1947 he joined the faculty of Boston University. In 1954 he received a fellowship from the Guggenheim Foundation which enabled him to travel for nearly a year along the west coast of Africa collecting copepods and their hosts from remote localities. At the end of this fellowship he spent two months at a French oceanographic laboratory on the small island of Nosy Bé in northwestern Madagascar. This proved to be an experience that shaped the rest of his life-time of research. There for the first time he became aware of the enormous abundance and diversity of copepods associated with marine invertebrates. A few steps out of the door of the laboratory to the beach revealed, among the many invertebrates, the sea urchin *Diadema* with two new genera of taeniacanthid copepods in its esophagus, nudibranchs with lichomolgid copepods crawling on their body surface and gills, and corals with tens of species of the copepod genus *Xarifia* living in their polyps. This initiation led to 3.5 years of field work at Nosy Bé, where, for a year and a half, he was the chief scientist for the International Indian Ocean Expedition, and where he collected intensively in intertidal and subtidal areas (including many SCUBA dives occasionally as deep as 50 m).

When asked what started his career in copepodology he replied, "serendipity and the opportunity to travel to Africa and the Indo-Pacific, where I realized the great biodiversity in the tropical marine shallow-water habitats". Further trips abroad led him to study associated copepods in the Bahamas, Bermuda, Puerto Rico, Jamaica, Barbados, Panama, Hawaii, Eniwetok Atoll, New Caledonia, Fiji, the Moluccas, Moorea, and Australia.

From 1970-1981 he was director of the Boston University Marine Program at the Marine Biological Laboratory (MBL) in Woods Hole, Massachusetts. He retired from Boston University in 1981, but maintains an active laboratory at the MBL. He is currently an editorial adviser for the *Journal of Natural History* and the editor for the *Journal of Crustacean Biology*. In addition to continuing work on associated copepods, he has in recent years studied poecilostomatoid and siphonostomatoid copepods from deep-sea hydrothermal vents and cold seeps, based on material supplied by scientists at the Woods Hole Oceanographic Institution, the University of Victoria, British Columbia, and the Centre National de Tri d'Océanographie Biologique, Brest, France. At least 66 species are now known from these deep-ocean sites (in depths to 3,000 m) in the eastern and western Pacific Ocean and the Mid-Atlantic Ridge southwest of the Azores.

During his career as copepodologist, he has described approximately 700 new species of copepods, including 132 new genera. His 258 publications have contributed to a general understanding of commensalism, parasitism, world biogeography, taxonomy, species richness, diversity, and speciation. The past 50 years have seen a burst of interest in copepods associated with marine invertebrates and those living in the unique environment at deep-sea vents, all in large part made possible by the ease of air travel to remote areas, the invention of SCUBA diving, and the use of deep-sea diving vehicles. Dr. Humes feels privileged to have profited from these developments.

At present his studies of copepods continue, focused on copepods associated with ophiuroids in the Caribbean and West Indies and on deep-sea copepods from the Mid-Atlantic Ridge and the Juan de Fuca Ridge off British Columbia.

Dr. Humes is an encouraging person to talk with and he is replete with useful advice on all matters of science. He recognizes the decline in interest by students on the field of systematics, but emphasizes that it is critical to know the species with which one is working. Funding agencies need to recognize the importance of systematics and to encourage more students to be trained in this field.

Pamela L. Arnofsky, Woods Hole

The Special International Conference within the frame of
the World Association of Copepodologists (WAC)
NEW METHODS IN COPEPOD TAXONOMY, St. Petersburg, 4-8 May 1998
Russian Academy of Sciences, Zoological Institute

Sponsored by:
Russian Foundation of Basic Research

Supported by:
Russian Hydrobiological Society

INTRODUCTION

The Zoological Institute and Museum are located in the same building in the very center of St.-Petersburg close to the Neva River, just opposite the Palace Square, the Admiralty, and the Hermitage. Collections of the Institute are extremely rich and include unique specimens. Many Russian copepodologists contributed to different fields of knowledge on Copepoda. The history of the studies started in the middle of the 19th century, when Dr. Fischer, zoologist from Germany who had been invited by the Russian Academy of Sciences, described the five new species of *Cyclops* from the vicinity of St.-Petersburg. The famous Russian copepodologists Prof. V. Rylov, Prof. K. Brodsky, Prof. A. Gusev, Dr. V. Shuvalov, and others continued taxonomic and ecological studies of free-living and parasitic freshwater and marine copepods.

As other zoological institutions with strong traditions in the classical taxonomy at the end of the 20th century we do understand the necessity of enriching our science by modern approaches, techniques, and viewpoints on taxonomic problems.

The Zoological Institute of the Russian Academy of Sciences sponsored by the Russian Foundation of Basic Research and supported by the Russian Hydrobiological Society welcome you to join the discussions on the new methods in copepod taxonomy in St.-Petersburg in May 1998.

PRELIMINARY SCIENTIFIC PROGRAMME

Invited lectures, oral contributions, and posters will be organized according to the following items:

- New morphological characters
- Larval signs used in taxonomy
- Experimental hybridization
- Variability of taxonomic characters
- Chromatin diminution and chromosome morphology signs
- Molecular-genetic methods
- Other nontraditional methods of study and analysis in taxonomy

Supposed conveners of the sessions: Prof. V. Alekseev (St.-Petersburg); Prof. G. Boxshall (London); Prof. H. Dumont (Ghent); Prof. F. Ferrari (Washington); Prof. S. Inge-Vechtomov (St.-Petersburg); Prof. V. Monchenko (Kiev); Prof. G. Wyngaard (Harrisburg).

Within the frame of the conference two workshops are planned:

1. Chromatin diminution in *Cyclops* species taxonomy (Conv.: Dr. A. Grishanin, Borok & Prof. G. Wyngaard)
2. Experimental hybridization in Fisher's cyclopoid species (Conv.: Prof. V. Alekseev & Prof. V. Monchenko).

We encourage participants of the workshops to bring living cyclopids to take part in the experiments. A special permission from the Russian Academy of Sciences for Customs Veterinary Office will be provided.

LANGUAGE

The conference language will be English.

ABSTRACTS

Abstracts of lectures in ASCII codes should not exceed one printed page (ca. 2 Kb), papers and posters should not exceed ½ of printed page (ca. 1 Kb). Heading of abstract must include: title of presentation, authors' names and addresses, 3-5 key words.

PROCEEDINGS

All manuscripts submitted by the end of the meeting will be reviewed. Those accepted will be published as the Proceedings of the Conference.

KEY DATES

Deadline for registration form and abstract	1 November 1997
Payment of early registration fee	15 December 1997
3rd letter with programme to be sent	15 November 1997
Acceptance of MS for Proceeding volume	9 May 1998

REGISTRATION FEE

	before 15 December	after 15 December
Academia	\$ 200	\$ 300
Students*	\$ 100	\$ 150
Accompanying persons*	\$ 80	\$ 120

The registration fee will include: An initial reception, the Proceedings volume, programme and abstracts, conference dinner, coffee and tea during the sessions, city tour, vits to the Hermitage.

* without the Proceeding volume

ORGANIZING COMMITTEE

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 Sergey Inge-Vechtomov (RUSSIA)
 Vladislav Monchenko (UKRAINE)
 Grace Wyngaard (USA)

We have received many requests from scientists about a possibility to decrease the conference costs, accomodation especially, for the NMCT Conference in St. Petersburg, Russia (May 1998).

We are very glad to inform you about the possible changes in accomodation costs.

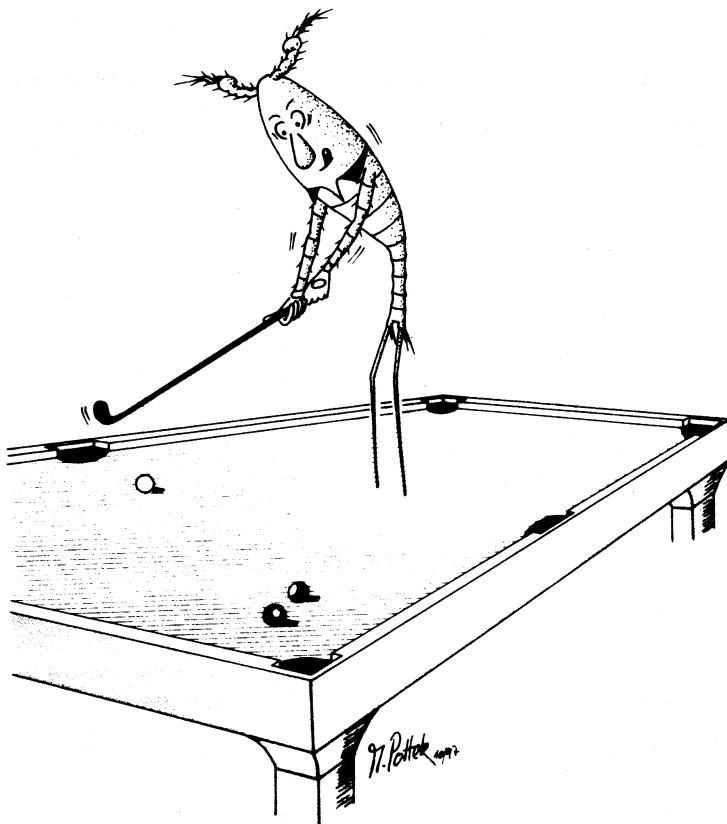
The meeting may be held at the State Regional Educational Center of St. Petersburg (SREC). This center provides reasonable prices for accomodation and meals and all the necessary conference facilities. It is located in the north-western district of St. Petersburg (Aerodrmnaya Street 4), very close to the subway station. Using subway, one can get downtown in 30 minutes.

Several conference halls equipped with slide and overhead projectors and videos, as well as meeting rooms, restaurant and bar are available.

Prices at the SREC hotel in September 1997 (including breakfast):

- Lux (bedroom plus sitting room and bathroom) - \$ 50/night
- Single room (with private shower) - \$ 30/night
- Double room (with private shower) - \$15/person/night

Organizing Committee



ANNOUNCEMENTS

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FOURTH INTERNATIONAL CRUSTACEAN CONGRESS

Amsterdam, July 20-24, 1998

We look forward to welcoming you to Amsterdam for the Fourth International Crustacean Congress, to be held 20-24 July 1998. This Congress is being organised by the "Stichting Crustacea", a foundation of Dutch carcinologists formed especially for the organisation of this event.

Among the most important issues today that we as biologists face are the effects on the species we share this planet with from human overpopulation, global changes in climate, and the effects of pollution. The crustaceans suffer no less than any other group of animals in this regard. Therefore we have chosen as the grand theme of the congress Crustaceans and the Biodiversity Crisis.

We are setting up plenary sessions to reflect this theme and to bring in experts from outside crustacean studies to help enlighten us on techniques and methods being employed elsewhere and which may stimulate carcinologists in their own research. We also will have some specially organised contributed paper sessions that will reflect aspects of this theme, but we invite carcinologists from around the world to come to Amsterdam and participate with oral papers, posters, and demonstrations that either directly or indirectly reflect on the congress theme.

The 4th International Crustacean Congress is a follow up of the 1st, 2nd and 3rd International Crustacean Conferences held respectively in Ernakulum, India (1965), Sydney (1980), and Brisbane (1990), Australia. The 4th International Crustacean Congress will also host:

- The 3rd European Crustacean Congress
- The Annual Summer Meeting of The Crustacean Society
- The 8th Meeting of the GEREC (Groupe d'Etudes et de Réflexions sur l'Evolution des Crustacés)

More information: <http://www.uva.nl/uva/aktueel/congres/>

Or you can ask for a second announcement at the address below:

ICC4, p/a ISP/UvA
attn. W. van Zijl
P.O.Box 94766
1090 GT Amsterdam
The Netherlands
e-mail: zijl@bio.uva.nl

Third International Larval Biology Meeting
January 13-16, 1998

The larval biology meetings were established in 1993 as a biennial forum for work on the ecology and evolutionary biology of larval stages of aquatic organisms. The meetings are relatively informal, consist of mini-symposia and oral and poster presentations on current research. The aim is to cover a wide taxonomic range.

The next meeting will be held at the University of Melbourne, Victoria, in southeastern Australia. The organizing committee is Mick Keough (Univ. Melbourne), Maria Byrne (Univ. Sydney), Jon Havenhand (Flinders Univ. South Australia), and Greg Jenkins (Marine and Freshwater Research Inst., Victoria).

Information about the conference is on the web at:

<http://rubens.its.unimelb.edu.au/zoology/larval/>

Mini-symposia

As with previous meetings, there will be a series of half-day symposia, organized by participants in the meeting. We called for proposals from people willing to arrange a half-day session (including contacting speakers). Several suggestions for symposia with lists of likely speakers were sent. The topics and contact names include:

- Fertilization Ecology: Toby Bolton (toby.bolton@flinders.edu.au)
- Larval Nutrition: John McConaughy (jrm100f@ludwick.ocean.odu.edu) and Paulina Selvakumaraswamy (paulina@anatomy.su.oz.au)
- Larval Behaviour: Is it important to dispersal and recruitment? Greg Jenkins (g.jenkins@mssl.oz.au) and Jeff Leis (jeffl@amsg.austmus.gov.au)
- Evolution of Larval Form: Maria Byrne (mbyrne@anatomy.su.oz.au)
- Function of Larval Body Parts: Dan-Sohkawa marina (mdan@scisv.sci.osaka.cu.ac.jp)

Timelines

- 15 August 1997: Second mailing: Call for abstracts & list of symposium topics
- 15 October 1997: Deadline for receipt of abstracts & early registration
- 13 January 1998: Meetings starts!!

Mailing list: The web site will be the source of most conference information and administration. We will use our mailing list to notify you of programme details. When there is a major change to the web site, an announcement will be broadcasted to everyone on the mailing list. If you or a colleague wish to be added to the mailing list, please complete the response form on the web site.

General inquiries about the meeting can be sent to larval@zoology.unimelb.edu.au, or by snail mail to Larval Meetings, Dept. of Zoology, Parkville, VIC 3052, AUSTRALIA.

Dr. Greg Jenkins
Queenscliff Marine Station
P.O.Box 138
Queenscliff Victoria 3225
Australia
Tel: +61-3-52583686
Fax: +61-3-52583632
e-mail: g.jenkins@mssl.oz.au

NAMIT:
The Northern Association of Marine Invertebrate Taxonomists

This is to announce the formation of a new association interested in the taxonomy of marine invertebrates from Alaska to northern California. THE NORTHERN ASSOCIATION OF MARINE INVERTEBRATE TAXONOMISTS (NAMIT) was organized recently by scientists and other individuals interested in the systematics, taxonomy and ecology of the marine invertebrates of the northeastern Pacific region. The purposes for which the Corporation is organized are as follows:

Exclusively to facilitate the exchange of scientific information concerning the marine invertebrates of the coastal regions of Oregon, Washington, British Columbia, and Alaska. This includes the organization of workshops, specimen and literature exchanges, and standardization of systematic practices and taxonomic usage.

The NAMIT intends to serve as a northern version of SCAMIT (Southern California Association of Marine Invertebrate Taxonomists). The NAMIT hopes to solicit membership via this message so those that are interested can contact Kelly Sendall at the Royal British Columbia Museum at the address below. Presently, membership is at 69 from Canada and the US.

Annual dues are \$ 20.00 Canadian or \$ 15.00 US.

Kelly Sendall
Collections Manager
Invertebrates
Royal British Columbia Museum
Victoria, BC CANADA
Tel: (250) 387-2932
Fax: (250) 387-5674
e-mail: ksendall@rbm101.rbcm.gov.bc.ca

OFFERS OFFERS OFFERS

We offer sets of reprints of the late Professor Jan Stock. These sets contain about 350 papers he wrote about isopods, amphipods, copepods, and pycnogonids. The price will be 200 US\$ excl. shipment. If you are interested please send me an e-mail.

Dirk Platvoet
Collection manager
Zoological Museum Amsterdam
Dept. of Crustaceans
P.O. Box 94766
1090 GT Amsterdam, The Netherlands
Tel: (31)20-5256288
Fax: (31)20-5255402

From Janet Reid (Washington):

Dear folks, here's another name for the database of copepod specialists. David has not published on copepods for a long time, and is not a WAC member, but he still has unpublished data on Australian cyclopoids.

Dr. David Morton
Managing Editor, Zoological Journals
CSIRO Publishing
P.O. Box 1139
Collingwood, Victoria 3066
Australia
Tel: (61)3-9662-7622
Fax: (61)3-9662-7611
e-mail: dwm@publish.csiro.au

LETTERS LETTERS LETTERS

Jeffrey Shields (Gloucester Point) reports from the **TCS summer meeting**:

Dear CRUSTers, TCS just had its summer meeting in Mobile, AL. It featured two days of talks, three poster sessions, and a hulabaloo crawfish boil complete with the Diving Ducks band. The talks included a Symposium on Biodiversity of Latin-American Crustacea, which was well attended by a large Brazilian contingent, and others from Mexico, Costa Rica, Venezuela, and US, and another Symposium honouring Austin Williams, which included several new species bearing his illustrious name, and several amusing anecdotal accounts.

Best Student Paper was given to Jacob Moorad for his work with Marie Simovich entitled "Demographic simulations on anostracan populations in highly ephemeral habitats." Jake's paper showed that "cyst banks" may not increase genetic variation in these ephemeral populations.

Best Student Poster was given to Monica M. Chacur for her work with M. Lucia Negreiros-Fransozo entitled "Preliminary analysis on the distribution of *Callinectes danae* Smith, 1869 (Decapoda, Portunidae) in Ubatuba Bay (SP), Brazil." Monica's poster indicated that depth, temperature, and bottom type influenced the distribution of the crab.

Interesting ecological discussion revolved around the presence of possible "poison" glands in remipedes, "migration rates" in various Gulf of Mexico decapods, the lack of a shell in deep-water hermit crabs, "negative" morphometry in mature female *Pachygrapsus*, phototaxis in rhizocephalan larvae, carbon:nitrogen as tracers of the food web, and much, much more.

Interesting taxonomic discussion included a host-parasite phylogenetic appraisal of whale lice, the separation of well known species of *Emerita*, the presence of sucker discs on an unusual amphipod, vicarious Vicariance, an ongoing analysis of the molecular phylogenesis of the Crustacea, and, of course, much more.

An interesting fact caught me unawares. The bopyrid isopods (parasites of decapods) are the single largest family in the Isopoda with over 400 described species. So, parasites are important! Or at least diverse ...

Other highlights included losing six consecutive pool games to Jarl-Ove Strømberg who had only played pool once in his life (sure, Jarl), and Alan Harvey's sinking the 8 ball on a miraculous shot where he missed the called pocket only to have the ball rebound and go in for the win! Fortunately, we weren't playing for money or drinks, and I won't be taking up pool for soft money. Aspects of the TCS business will be presented in the **Ecdysiast**.

Our treasurer John Fornshell (Alexandria) let us know:

I have just received news from the United States Internal Revenue Service that the society has been granted tax exempt status. I wish to thank you for your quick response to my requests for action on the WAC constitution. We will not have to pay taxes on our accounts in America and WAC members who must pay US taxes can deduct their dues from their taxable income.

Marc Bergmans (Brussels) wrote:

A riddle and a deep thought. The riddle: How come that some sea ice researchers are usually found freezing in cold culture rooms, and others at conferences in sun-baked California? And the deep thought: "An ocean without its unnamed monsters would be like a completely dreamless sleep." (John Steinbeck in The log of the 'Sea of Cortez').

Rubens M. Lopes (Curitiba) reminds us:

I would like to remind you that Dov's 70-year birthday was celebrated a few months ago. I suppose this is something to be mentioned in the next issue of MONOCULUS, in the section "Birthdays".

(I am very sorry not to have mentioned this cheerful event in MONOCULUS 33. Hans-U. Dahms)

Mark Grygier (Oroshimo) sent his note:

Since April I have had a full-time, hard-money, permanent job as a museum curator/researcher in Japan. Since I apparently passed my pro-forma language exam yesterday, my status here is evidently confirmed. The problem is that it is a freshwater institution, not marine, but I can get some funds to continue marine work. But I've also been collecting freshwater ostracods and clam shrimp from the rice paddies around here. Since this hasn't worked before, I will keep it short. Mostly, I want "MONOCULUS" to be sent to this address, not to the Smithsonian. Sincerely, Mark J. Grygier, Ph.D., Associate Research Scientist, Lake Biwa Museum, Oroshimo 1091, Kusatsu, Shiga 525, Japan.

Tel: +81-775-68-4829 FAX: +81-775-68-4850 e-mail: grygier@lbm.go.jp

Chang-tai Shih (Taipei) let us know:

I have been offered a 2-year appointment by the Institute of Oceanography and my mailing address for the next two years, i.e., up to the 7th Copepoda Conference will be:

Institute of Oceanography
National Taiwan University
Taipei, Taiwan 106
My e-mail address remains the same.

Evgenij Kurashov (St. Petersburg) wrote:

Allow me to address this letter to you. There is an important reason why I decided to write the letter. Above all I would like to briefly report the following essential information about myself. I am one of the few limnologists in Russia who study the freshwater meiobenthos. I was the first to investigate the meiobenthos of the largest European Lakes Ladoga and Onega far and wide. I started to study the meiobenthos of the largest German Lake Constance, too. I have established that meiobenthos is a very important component of the ecosystems of these large lakes. I am the author of the monograph "Meiobenthos as component of lake ecosystem". St. Petersburg, 1994. Alga-Found: 1-224 (in Russian). This monograph is the

first book in the world that is wholly devoted to the investigations of freshwater meiobenthos. The bottom Cyclopoida, Harpacticoida, and Ostracoda are the most interesting groups for me.

Now I have some problems in my scientific work. These problems are connected with a deficiency in necessary contacts with scientists in the world investigating the meiobenthos and information about scientific meetings related with the study of meiobenthos. Also I am now very interested in implementing joint projects with foreign scientists, because the potential of active research activity in Russia are minimal at present. I think that becoming a member of the WAC is a good solution of my problem.

Curriculum vitae

of Evgenij A. Kurashov, Ph.D.

Work address: Institute for Lake Research of Russian Academy of Sciences, Sevastyanova str. 9, 196199 St. Petersburg, Russia

Tel: (812) 294-80-60, Fax: 007-812-298-7327, e-mail: kurashov@lake-spb.su

Home address: Butlerova str. 13, fl. 557, 195256 St. Petersburg, Russia

Tel: (812) 534-23-78

Date of birth: 18 March 1960 / Marital status: married / Health: excellent

Area of competence: Limnology, ecology of benthic invertebrates, systematics of freshwater Ostracoda.

Main direction of investigation: Lake meiobenthos, study of factors regulating benthic composition (especially for meiobenthic communities) in lakes; meiobenthic abundance, production, and the role in food webs of different aquatic systems; application of meiobenthic studies to environmental control; systematics of freshwater Ostracoda and other lower Crustacea.

Education: Master of Science, St. Petersburg State University, 1982 Doctor of Philosophy, 1989 Zoological Institute RAS in St. Petersburg. Dissertation title: "The estimation of the present state and the role of the meiobenthos in benthic communities of the Ladoga Lake".

Professional Experience: Institute for Lake Research RAS, Laboratory of hydrobiology/ Research Assistant 1979-1984 / Research Associate 1984-1991 / Senior Research Scientist 1991-present

Field work experience: Observations in Latgalian lakes (Latvia) (1979-1980); observations and field experiments in the Ladoga Lake (1983-present), in the Onega Lake (1990-1991); in subarctic tundra lakes near Urengoy (1990-1991); Lake Paijanne (Finland) (1994); Lake Constance (Germany) (1995).

Technical experience: Sampling of water, sediments, zooplankton, meio- and macrobenthos samples. Transmitted light microscopy, experimental design (including in-situ experiments in enclosures and laboratory experiments with predators), treatment of hydrobiological data using different computer packages. / Professional Associations: Russian Society for Hydrobiology; St. Petersburg Society of Naturalists. / Publications: 43, including one monograph.

Nancy Rayner (Pietermaritzburg) wrote:

I have just received my April MONOCULUS as it had gone to my old address. I have sent the form as requested with my new details. It is sad to see that we have lost some pioneers in the field of copepod research. I am pleased to say that we are making big strides in southern Africa with research on freshwater invertebrates. Most of the material collected lands on my desk for identification, but it is always exciting looking at material from isolated places. Dr. Nicholas Clarke sends me material from Namibia and especially the northern areas, Dr. Rob Hart has collected material from Boswana, northern Zululand, and is now away in Zambia on

another collecting trip. Last year he collected material from 14 coastal barrier lakes in Mocambique and I am about to analyse it. In addition, I am working on the Paradiaptominae for H.J. Dumont's Zooplankton Series. Dr. Derek Harding sent me material from the survey of Lake Kariba and again, fascinating and new species are found.

NOTES AND NEWS

BIOBLITZ

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Janet Reid (Washington)

OPINION 1869

***Monstrilla* Dana, 1849 and *Thaumaleus* Krøyer, 1849 (Crustacea, Copepoda): conserved**

Keywords: Nomenclature; taxonomy, Copepoda; MONSTRILLIDAE; *Monstrilla*; *Thaumaleus*.

Ruling

- (1) Under the plenary powers the name *Thaumatoessa* Krøyer in Gaimard, [1842] is hereby suppressed for the purposes of the Principle of Priority but not for those of the Principle of Homonymy.
- (2) The following names are hereby placed on the Official List of Generic Names in Zoology:
 - (a) *Monstrilla* Dana, 1849 [4 September] (gender: feminine), type species by monotypy *Monstrilla viridis* Dana, 1849;
 - (b) *Thaumaleus* Krøyer, 1849 [31 December] (gender: masculine), type species by monotypy *Thaumatoessa typica* Krøyer in Gaimard, [1842].
- (3) The following names are hereby replaced on the Official List of Specific Names in Zoology:
 - (a) *viridis* Dana, 1849, as published in the binomen *Monstrilla viridis* (specific name of the type species of *Monstrilla* Dana, 1849);
 - (b) *typica* Krøyer in Gaimard, [1842], as published in the binomen *Thaumatoessa typica* (specific name of the type species of *Thaumaleus* Krøyer, 1849).
- (4) The name MONSTRILLIDAE Dana, 1849 (type genus *Monstrilla* Dana, 1849) is hereby placed on the Official List of Family-Group Names in Zoology.
- (5) The following names are hereby placed on the Official Index of Rejected and Invalid Generic Names in Zoology:
 - (a) *Thaumatoessa* Krøyer in Gaimard, [1842], as suppressed in (1) above;

- (b) *Thaumatoessa* Heine, 1863 (a junior objective synonym of *Loddigesia* Gould in Bonaparte, 1849 and a junior homonym of *Thaumatoessa* Krøyer in Gaimard, [1842]).

History of Case 2894

An application for the conservation of the names *Monstrilla* Dana, 1849 and *Thaumaleus* Krøyer, 1849 was received from Dr. M.J. Grygier (Lake Biwa Museum, Kusatsu, Shiga, Japan) on 17 May 1993. After correspondence the case was published in BZN 52: 245-249 (September 1995). Notice of the case was sent to appropriate journals.

A comment in support from Prof. Charles C. Davis (Memorial University of Newfoundland, St John's, Newfoundland, Canada) was published in BZN 53: 46-47 (March 1996).

Further supportive comments from Dr. David M. Damkaer (Monroe, Washington, U.S.A.) and from two members of the Nomenclature Committee of The Crustacean Society (Dr. A.B. Williams, NOAA/NMFS Systematics Laboratory, Smithsonian Institution, Washington, D.C., U.S.A., and Dr. Gary C.B. Poore, Museum of Victoria, Abbotsford, Victoria, Australia) were published in BZN 53: 122-123 (June 1996).

Decision of the Commission

On 1 December 1996 the members of the Commission were invited to vote on the proposals published in BZN 52: 248. At the close of the voting period on 1 March 1997 the votes were as follows:

Affirmative votes - 21: Bock, Bouchet, Brothers, Cocks, Eschmeyer, Heppell, Kabata, Kerzhner, Kraus, Macpherson, Mahner, Martins de Souza, Mawatari, Minelli, Nye, Papp, Patterson, Savage, Schuster, Song, Stys.

Negative votes - 1: Lehtinen. Dupuis abstained.

No votes were received from Cogger and Nielsen. Ride was on leave of absence.

Dupuis commented: "I refuse to vote on this case, because in my personal view the time between the last comments and the distribution of voting papers was too short. The last comments were less than one year old." [Editorial note. The comments were in support. An explanation of procedure followed in sending cases for voting was given in BZN 54: 53-54, March 1997].

Original references

The following are the original references to the names placed on Official Lists and and Official Index by the ruling given in the present Opinion:

Monstrilla Dana, 1849 [4 September], *Conspectus Crustaceorum quae in Orbis Terrarum circumnavigatione* ..., pars I and II, p. 53.

MONSTRILLIDAE Dana, 1849 [4 September], *Conspectus Crustaceorum quae in Orbis Terrarum circumnavigatione* ..., pars I and II, p. 53.

Thaumaleus Krøyer, 1849 [31 December], *Naturhistorisk Tidsskrift*, Ny Hæfte, 2 (6): 604.

Thaumatoessa Heine, 1863, *Journal für Ornithologie*, 11 (63): 209-210.

Thaumatoessa Krøyer, [1842], in Gaimard, J.P. (Ed.), *Atlas de zoologie* ..., pl. 42, figs. 4a-e. *typica*, *Thaumatoessa*, Krøyer, [1842], in Gaimard, J.P. (Ed.), *Atlas de zoologie* ..., pl. 42, figs. 4a-e.

viridis, *Monstrilla*, Dana, 1849 [4 September], *Conspectus Crustaceorum quae in Orbis Terrarum circumnavigatione* ..., pars I and II, p. 53.

Web Site on Cyclopoid Copepods

I am preparing a web site (<http://www.geocieties.com/gpesce/cyclopoid.html>) with a provisional check list of the World subterranean cyclopoid (Cyclopidae) copepods. The definition "subterranean", as you know, is difficult to apply, and in this regard I followed the criterion by Botosaneanu in *Stygofauna Mundi*. The list is, of course, still incomplete: I hope, with the help of my colleagues, to finish it by the end of 1997. I will appreciate very much your comments, addition of overlooked taxa, species you recently described, and/or improvements to the list. Do you know my page on subterranean copepods from Italy (http://www.univaq.it/sc_amb/copepod.html)? What do you think about it? Thanks in advance for your consideration and assistance, best wishes.

Prof. Giuseppe L. Pesce

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http://www.univaq.it/sc_amb/pesce.html

<http://pesce.univaq.it/home/welcome.html>

THE NAUPLIUS AND PROTASPIS

The *Nauplius* is a wobbly thing, a head without a body:
He flops about with foolish jerks, a regular Tom-noddy.
Some said he was an ancestor, but others said: 'What, HIM?'
He's just a *Nectochaeta* with Crustacean skin and limb!

But *Nectochaeta's* segments all are clearly demarcated,
While in *Nauplius* all five segments with the head are integrated, -
So solidly that boundaries above cannot be traced,
An maxillary appendages for some time are effaced.

The simplest *Nauplius* thus has left simplicity behind,
And to the gap forever we should have to be resigned
Had not the ancient Trilobites - Crustacean ancestors -
Behind them left their larval shells on Palaeozoic shores.

These little disks, $\frac{3}{4}$ of a millimetre wide,
An almost perfect missing link between the two provide:
A quinquepartite axial tract defines the compound head,
And flange-like cheeks of varied form on either side are spread.

Of actual appendages no traces have been found -
Nor could more be expected than streaks upon the ground -
But the transverse equidistant lines that cross the axial tract
Are of uniform appendages as eloquent as fact.

The *Protaspis*, like the *Nauplius*, then a groove behind displays,
Which separates a telson from the head, and so, by ways
Familiar in Annelids, new segments, one by one,
Are interpolated till the whole development is done.

(from WALTER GARSTANG: Larval forms and other zoological verses. Reprint 1985. The University of Chicago Press)

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(Sources marked by an asterisk* are donated to the MONOCULUS library)

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Pushkin (Pavlovsk) on 9 May (\$ 35)

Do you wish to participate in the post conference trips?

Fields of interest (please check () your major and minor fields and indicate, if applicable, the taxonomic group (at any level) dealt with (e.g. Copepoda, Calanoida, Cyclopidae, *Temora*, *Tisbe furcata* etc.), the geographic area (e.g. Pacific, North Sea, Brasil, Antarctic etc.), and the ecological areas (e.g. lakes, interstitial, phytal, deep-sea, benthos etc.).

Discipline	Major	Minor	Taxonomic groups	Geogr. area	Ecological area
Systematics (order, family, genus or species, as specific as possible)	()	()			
Zoogeography	()	()			
Morphology	()	()			
organ system (specify)					
Ecology	()	()			
subdiscipline (e.g. autecology, life history)					
Physiology	()	()			
subdiscipline hormone, receptor physiology etc.)					
Behaviour	()	()			
Biochemistry	()	()			
Genetics	()	()			
Embryology	()	()			
Larval development	()	()			
Evolution	()	()			
Parasitology	()	()			
Planktology	()	()			
Aquaculture	()	()			
Others (specify)					
	()	()			
	()	()			