



THE ECDYSIAST

Newsletter of the Crustacean Society

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THE CRUSTACEAN SOCIETY 1994 SUMMER MEETING

The TCS 1994 summer meeting will be held June 22-25 at the Darling Marine Center, the University of Maine's marine laboratory. Activities include contributed paper sessions, a poster session, a lobster bake, and a field excursion. It promises to be a great meeting in a beautiful setting. **YOU CAN STILL REGISTER AND LATE ABSTRACTS MAY BE ACCEPTED.** One of the important activities at this meeting will be a formally held discussion by the membership on financial strategies and long-term goals of the Society. Be sure to come and participate!! Contact Les Watling (A.S.A.P.!!) at the Darling Marine Center, at 207-563-3146, ext. 248; fax: 207-563-3119.

STUDENTS AND RECENTLY GRADUATED PH.D.'S, TAKE NOTE: the TCS Board voted to sponsor a **BEST STUDENT PAPER AWARD** for meeting in Maine. If you have received the doctorate within the past year, you are still eligible to compete for this award. If you haven't sent in an abstract for a contributed paper, do so NOW!

TCS-ASZ MEETINGS IN LOS ANGELES

The annual TCS meetings were held in Los Angeles Dec. 26-30, 1993, together with ASZ and associated societies. TCS was well-represented by symposia and contributed paper and poster sessions. TCS-sponsored or co-sponsored symposia were "Phylogeny of and within the Maxillopoda" (organized by Ann Cohen), "Biology of the Branchiopoda" (organized by Joel Martin), and "Physiology and Adaptations in Crawfish" (organized by Brian McMahon and Milton Fingerman). A workshop on the Crustacean Biodiversity Project was held at the Natural History Museum of L.A. County, organized by Joel Martin. The TCS Board of Governors and TCS Annual Business Meetings were held.

TCS AWARDS: CONGRATULATIONS!!

Several awards were given or announced at the L.A. meetings:

Best Student Paper Award was given to M.L. Powell, University of Alabama at Birmingham, for her presentation on "Identification of *Penaeus duorarum* and *Penaeus aztecus* postlarvae using isoelectric focusing" (with co-authors K.C. Stuck and S.A. Watts).

Best JCB Paper Award in Volumes 10 & 11 in the category of evolutionary biology and systematics was awarded to Les Watling for the paper "Revision of the Cumacean family Leuconidae" in Journal of Crustacean Biology 11 (4): 569-582 (1991).

The first TCS Special Service Awards were announced in recognition of the important contributions of TCS Treasurer **DENTON BELK** and JCB Editor **ARTHUR G. HUMES**. Denton Belk has played a key role in guiding the Society to financial stability and managing its business affairs as well as serving as Treasurer. Arthur Humes has established and maintained the highest standards for the Journal of Crustacean Biology. The tireless efforts of these two colleagues has helped to build the reputation of TCS as a first class international scientific society. Many thanks to Denton and Arthur on the part of the TCS membership!

UPCOMING TCS-ASZ MEETINGS IN ST. LOUIS

The next TCS-ASZ meetings will be held January 5-8, 1995 in St. Louis, Missouri. Note the new (experimental) time period for these winter meetings. The meetings will shift back to their more familiar time period (end of December) in late 1995; the location will be Washington, D.C. Our Program Officer, Bob Elner, informs us that even though the application date for symposia is past for both of these meetings, those interested in organizing TCS symposia for either of these meetings or future meetings should contact him as soon as possible. **Reminder:** these meetings are organized through the American Society of Zoologists (ASZ); calls for abstracts are mailed only to ASZ members. If you are not an ASZ member, contact ASZ Executive Offices at 401 N. Michigan Avenue, Chicago, Illinois 60611-4267 (tel: 312-527-6697; fax: 312-527-6640) for further information.

A **Best Student Paper Award** will be given at these annual meetings, as in the past. However, in these upcoming meetings, as an added stimulus to students and newly graduated doctorates, the participants in this competition will be **NON-PAYING** guests of the Society at the annual TCS dinner.

RESULTS OF ELECTIONS

Elizabeth Wenner has been elected as President-Elect. Bob Elner was re-elected as Program Officer and Albertina Kameya was again named as Latin American Governor. Ichiro Takeuchi will be Asian Governor. A list of TCS officers and regional governors with addresses and other information follows on the next page (many thanks to Frank Barnwell for supplying this information):

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PASSING OF AN ESTEEMED COLLEAGUE

It is sad to report the death of Horton H. Hobbs, Jr., zoologist emeritus at the Division of Crustacea, NMNH, Smithsonian Institution, on March 22, 1994. Dr. Hobbs is best known for his extensive work on the systematics, biogeography, and ecology of crayfishes, although he did important work on a variety of other primarily freshwater crustacean groups such as the atyid shrimps. Since a well documented and researched obituary will certainly be forthcoming, a summary of his extensive professional activities will not be attempted here. All who knew him personally and/or professionally would surely agree that Dr. Hobbs truly fit the description of "a scholar and a gentleman."

EARTHQUAKE UPDATE: L.A. NATURAL HISTORY MUSEUM

Thanks to all of you who have offered your support and expressed concern over the condition of the Natural History Museum of Los Angeles County's collection of Crustacea. All collections are in good condition, with very little breakage, thanks primarily to the fact that we are using compactorized shelving. The decapod part of our collection, a large part of which is still across the street at the Allan Hancock Foundation building, did not fare as well, with perhaps 30-40 lots falling off shelves and breaking, despite earthquake bars on all shelves. However, this amount of breakage is minor when one considers that our collections total somewhere between 110,000 and 120,000 lots. We were fortunate.

I ask that all requests for specimens or specimen-related information be postponed until June 1, 1994. Thank you for your understanding and concern--Joel W. Martin, Curator, Invertebrate Zoology.

UPDATE ON 2ND EUROPEAN CRUSTACEAN CONFERENCE

Dr. Pierre Noël reports that the second European Crustacean Conference will be held in Liege, Belgium, most probably in 1996. Further correspondence should be addressed accordingly to Mr. André Péqueux, Université de Liege, Quai Van Beneden 22, B-4020 Liege, Belgium (tel. and fax: 32-4166-5020)

NEW CARCINOLOGICAL JOURNAL

Geoff Boxhall reports that the Brazilian Society for Carcinology is launching a new journal "Nauplius" dealing with all aspects of crustacean systematics and biology. The first issue of this journal is due for publication shortly and contains papers on decapods, copepods, and cladocerans by L.B. Holthuis, J.L. Reid, R.B. Manning & R. Lemaitre, D. Calazans, R.R. Capitoli & E.L. Ortega, C. Resgalla & M. Montu. Papers are accepted for publication in English, Portuguese, and Spanish. The annual subscription to the Brazilian Society for Carcinology, which includes the journal, is \$40. Anyone requiring further information on the journal may contact the editor, Dr. Monica Montu, Plankton Laboratory, Dept. of Oceanography, Foundation University of Rio Grande, Caixa Postal 474, 96201-900 Rio Grande, R.S., Brazil. More information on the Society can be obtained from the Secretary, Dr. Danilo de Calazans, Carcinological Laboratory, at the same address.

FREY COLLECTIONS GO TO THE SMITHSONIAN

David E. Frey, who died in 1992, willed his collection of littoral and zooplankton samples, as well as other research materials and library, to the NMNH, Smithsonian Institution. Thanks to the hard work of Elizabeth Frey, family, and friends, all the material has been sent to the Smithsonian Museum Support Center at Silver Hill, MD. The collection comprises nearly 10,000 samples from around the world. It includes the Jules Richard Collection, as well as samples collected by Birge, Juday, and E. Deevey. Most samples are unsorted except for the chydorid Anomopoda and are a rich source of littoral faunal assemblages; Frey catalogued the chydorid species and other cladoceran genera in samples he examined. Frey's research is represented by an extensive slide collection, paratypes of species he described, and meticulous data sets for each publication. The library includes the world literature on Chydoridae, most classical papers on cladoceran systematics, and many limnological and paleontological references. Additionally, The Department of Crustacea has transferred the Rufus Kiser collection of mostly western US Cladocera to the MSC, and plans eventually to put all cladoceran materials there. Anyone wishing to work at this valuable resource center should contact Dr. Frank Ferrari, Invert. Zoology/Museum Support Center, NMNH Smithsonian Institution, Washington D.C. 20560, 301-238-3747 (this information supplied by Dorothy Berner, Dept. Biology, Temple University).

BOOK ON FRESHWATER CRUSTACEA

Dorothy Berner also sends the following review about the book The Freshwater Crustacea of Yorkshire, a Faunistic and Ecological Survey by Geoffrey Fryer (1993, Yorkshire Naturalists Union & Leeds Philosophical & Literary Society, 312 pp.): "The culmination of 40 years' study, this book reflects Fryer's concern with the totality of a crustacean: its evolution, morphology, behavior, and physiological capacities in relation to the niche it occupies. Although geographically small, Yorkshire has a great diversity of freshwater habitats, from upland seepages and acidic tarns to rich lowland lakes. Following short chapters on the ecology of the area, the scope of the study, and taxonomy, Fryer presents the faunal assemblages found regionally, comparing them and their habitats with respect to topography, geology and soils, vegetation, and water chemistry. He then maps and discusses the distributions of individual species. Particularly elucidating throughout the book are Fryer's insights into the factors determining the presence or absence of species, and the restrictions placed on assemblages by particular ecological conditions and microhabitats. The principles, examples, and questions set forth in this exemplary little book pertain far beyond the boundaries of Yorkshire and provide food for thought for everyone working with freshwater crustaceans. The book may be purchased for £16 (£13.50 members Yorkshire Naturalists Union) with £2 shipping costs from Prof. MRD Seaward, University of Bradford, Dept. Env. Sciences, Bradford, West Yorkshire BD7 1DP, England.

SHELLFISH E-MAIL CORRECTION

Bob Elner informs me that the correct e-mail listing for the Shellfish Electronic Discussion group should be "shellfish-request@kenyon.edu" and not that reported in last issue of The Ecdysiast.

PACIFIC RIM AQUACULTURE CONFERENCE

Ernest Chang, Bodega Bay Marine Lab, announces that he, along with H. Bern and T. Hirano, is organizing a conference to be held at Bodega Bay in early September, 1994 ("Applications of Endocrinology to Pacific Rim Aquaculture"). Contact Dr. Chang for further details: tel: 707-875-2061; fax: 707-875-2009; email: eschang@ucdavis.edu.

NORTH PACIFIC SYMPOSIUM ON INVERTEBRATE STOCK ASSESSMENT AND MANAGEMENT

This international symposium, to be held March 6-10, 1995 in Nanaimo, British Columbia, Canada, will bring together scientists, managers, and industry participants to review and discuss current issues relevant to benthic invertebrate fisheries, with emphasis on temperate water species. The major theme will be "Changing Fisheries Approaches to Invertebrate Stock Assessment and Management." Both invited and contributed papers will be presented. To allow selection, an abstract of 300-500 words must be submitted by August 31, 1994. Areas of interest are: estimation of abundance within specified areas; spatial distribution of abundance and implications; dynamics of harvested stocks; dynamics of harvested ecosystems; population modelling and parameter estimation; invertebrate fisheries management and decision-making. For further information, contact Dr. Glen S. Jamieson, Pacific Biological Station, Nanaimo, B.C. V9R 5K6, Canada.

REQUEST FOR SCIENTIFIC LITERATURE FOR CUBA

Do you have scientific books or journal series that you no longer use and would like to donate for distribution to Cuba? The Association of Systematics Collections (ASC) is developing a program to exchange systematics and biodiversity information between North American and Cuban institutions. Please contact the ASC office with titles of books, journals, or reports in systematics/biodiversity (especially related to Caribbean biota) that you are willing to donate, and we will arrange to ship the materials to an appropriate institution in Cuba. For more information and to donate contact: Elizabeth Hathway, ASC, 730 11th St., NW, Second Floor, Washington, D.C. 20001-4521 (202-347-2850; fax: 202-347-0072). **Editor's note:** The Crustacean Society has already donated a full set of back issues and a current JCB subscription to ASC's Cuba project. See also the separate page in this issue from ASC on the "Biodiversity Information for Cuba Project."

REMINDER OF THE "SPECIAL NEEDS MEMBERSHIP FUND"

Any crustacean worker lacking access to the Journal of Crustacean Biology who is not able to pay for a membership including a subscription may contact a Society Officer and request support for the Society's Special Needs Membership Fund.

BRIEF DESCRIPTION OF ASC'S

BIODIVERSITY INFORMATION FOR CUBA PROJECT

There are many current efforts to strengthen the flow of scientific information throughout the world, especially in parts of the world that have not had access to proper resources necessary for research. The American Association for the Advancement of Science, the International Network for the Availability of Scientific Publications, and the Council of Biology Editors are three organizations that have initiated successful programs of scientific enhancement for developing countries around the world. The Association of Systematics Collections is now developing a program to exchange scientific information between North American institutions and the institutions of one country - Cuba. Cuba's situation is unique.

The exchange of informational materials between scholarly institutions in the United States and Cuba has been greatly curtailed, and sometimes effectively blocked, for thirty years. Thus, Cuba has become isolated from much of the world's scientific discourse. Though the United States still has an official embargo against Cuba, in 1988 U.S. legislation was passed that allows for the import and export of information materials.

ASC, acting as a cooperating partner with the Cuban Academy of Sciences and the National Museum of Natural History in Cuba, seeks to restore regular exchanges of publications and archival materials and to re-establish inter-library exchange agreements that have lapsed. Part of this project includes shipping back issues and facilitating current subscriptions of scientific journals to Cuba.

As a tropical island nation with intense pressures for agricultural and human economic development, Cuba has an immediate pressing need to develop local understanding of its biotic resources, beginning with fundamental systematic biology and biogeographic studies. This research can only be accomplished in a museum environment with access to international collections and a full range of information resources, including library, archives and databases. The scientific work fostered through this project and related efforts will allow the potential for conservation through understanding and sustainable use of biotic resources in Cuba.

FOR MORE INFORMATION, contact: Biodiversity Information for Cuba, ASC, 730 11th Street, NW, Second FL, Washington, D.C. 20001-4521, phone: (202) 347-2850, fax: (202) 347-0072.

TCS FINANCIAL SITUATION: WE NEED *YOUR RESPONSE* BEFORE THERE IS A REAL PROBLEM

NATURE OF THE PROBLEM: Denton Belk reports: "1993 was our first deficit year since the financial crisis of the mid-1980's. We spent \$3,920.74 more than we took in. We are projecting a deficit during 1994 also.

Why? There are two factors: (1) over 80% of our members receiving a copy of the journal pay dues at the \$50 Subscribing Membership level. In 1993, the cost of providing the journal to a subscriber was \$66.92. To this must be added a \$5/member fee which Allen Press Association Management charges to take care of our necessary business office functions. (2) A major goal of the Founding Committee was to establish a journal in which crustacean papers could receive rapid publication. We had to exceed our publication budget in 1993 to accomplish this goal because of a strong flow of manuscripts. Page charges are not required and do not cover total cost on a per page basis at any event."

Possible Solutions: PLEASE CIRCLE REACTION TO EACH, add suggestions as desired, and then FOLD, STAPLE, AND MAIL TO DENTON BELK AS DIRECTED ON THE BACKSIDE OF THIS PAGE:

LIKE DISLIKE 1. Limit the number of pages printed per volume even if this significantly increases the time from acceptance to publication.

LIKE DISLIKE 2. Require prepaid page charges that cover at least 90% of the cost of each page published.

LIKE DISLIKE 3. Encourage all members who are financially able to pay dues at the Supporting Membership level or higher.

LIKE DISLIKE 4. Drop the \$50 Subscribing Membership Category.

LIKE DISLIKE 5. Change the \$50 Subscribing Membership to a Student Membership with a 3-4 year limit and proof of student status.

LIKE DISLIKE 6. Charge libraries more and use the money to subsidize individual Subscribing Members. Currently libraries pay \$95 (North America) or \$115 (other continents).

YOUR SUGGESTIONS (you can also fax your suggestions to Denton at 210-732-8809):

FOLD 2

STAMP

Dr. Denton Belk
TCS Treasurer
840 E. Mulberry Avenue
San Antonio, Texas 78212

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FOLD 1