



THE ECDYSIAST

Newsletter of the Crustacean Society

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TCS 10TH ANNIVERSARY MEETINGS IN SAN ANTONIO

The Society met Dec. 27-30, together with the American Society of Zoologists and associated societies, in San Antonio. There were three contributed paper sessions and one poster session on crustaceans, and TCS cosponsored two symposia. "History of Carcinology" was organized by Frank Truesdale and co-sponsored by the ASZ Division of History and Philosophy and Biology. "The Compleat Crab", organized by Linda Mantel, Elizabeth Wenner, Donna Walcott, and Tom Walcott, was co-sponsored by the Divisions of Comparative Physiology and Biochemistry and Invertebrate Zoology.

President Paul Haefner submits a host of acknowledgements relating to the San Antonio meetings:

"To all of those who "staffed" our booth in the exhibit hall: Sandy Gilchrist, Fred Schram, Jody Martin, Don Lovett, Joe Staton, Michael Boudrias, Trisha Spears, Bob Maris, and Roger Griffis--Thank you.

To our hosts in San Antonio-our representatives on the local arrangement committee: Stanley Sissom and Denton Belk. Extra thanks go to Denton for arranging the Tex-Mex dinner, a successful TCS social!

To our former Program Officer, Buz Wilson, who managed a very successful 10th anniversary program. Perhaps he will do this for us in Australia in the near future.

To the Symposium Organizers who provided the conferees with a fine array of papers: Frank Truesdale for the History of Carcinology; Tom and Donna Wolcott, Linda Mantel, and Betty Wenner for The Compleat Crab."

To the members of the Organizing Council of TCS: in attendance in San Antonio were Ray Manning, Tom Wolcott, Darryl Felder, Les Watling, Adrian Wenner and Fred Schram. Missing were "Hoot" Hobbs and Bob Gore. They were presented with certificates and 14K gold tie tacs in the logo design."

BEST TCS STUDENT PAPER AWARD FOR SAN ANTONIO

Congratulations to Susanne C. Wache for her presentation (with H. Laufer) "Purification and characterization of PUFAs in Artemia salina (Great Salt Lake) for the study of fatty acid synthesis patterns during development" which received the TCS Student Paper Award for 1990.

NEWS FROM THE BOARD OF GOVERNORS MEETING IN SAN ANTONIO

Paul Haefner reports: "The Board of Governors, at their meeting in San Antonio, approved the creation of an ad hoc Membership Secretary, whose responsibility will be to coordinate all activities related to recruitment of individual members as well as subscriptions to the journal. Ray Manning has graciously volunteered to take on this new responsibility, and the board enthusiastically approved his appointment.

Recruitment of new members has been insufficient for several years now. While we know that there are hoards of crustacean biologists out there, we (TCS) have not effectively brought them into the fold. Each year, in this issue of the Ecdysiast, the membership is alerted to the no-growth problem of the society. Each year, the president makes a plea to encourage recruitment. Obviously, some coordinated effort was missing.

The Membership Secretary will oversee and direct any or all of the following activities (the list is not all-inclusive): compile and use a promotional mailing list, encourage the use of advertising flyers in their mailings, solicit copies of reprint mailing lists, identify key recruiters in each country around the world, establish a program wherein members may purchase memberships for colleagues in other countries as part of an exchange program, establish separate bank accounts in selected countries for dues payments, appoint standing committees in sub-disciplines, etc.

If any of you wish to become intimately involved in any of these efforts, or if you have additional ideas, please contact Ray Manning (202-357-4668)."

PROPOSED CHANGES IN THE CONSTITUTION AND BY-LAWS

Paul Haefner also reports from the Board of Governors meeting:

"In San Antonio, the Board of Governors approved changing the name "Regular Member" to "Subscribing Member." To do so requires changes in the Constitution and By-Laws. Such changes can only occur upon approval of the general membership:

"The Constitution may be amended by a two-thirds (2/3) majority of those members voting at any annual meeting of the Society or in a mail ballot. In either case, notice of the proposed action will be sent to each voting member of the Society by the Secretary at least sixty (60) days before the date of the vote. By-laws may be adopted, amended, or repealed by a two-thirds (2/3) majority of those voting at any annual meeting of the Society or in a mail ballot. In either case, notice of the proposed action shall be sent to each voting member of the Society by the Secretary at least sixty (60) days before the date of the vote."

The proposed changes are: (1) in the Constitution, Article 3, Section 2: Types of Members. Change to read: Subscribing, Sustaining, Associate... (2) in Bylaw 1: Types of Membership. The following types of members are recognized for the

purpose of assessing dues: Change (a) Regular, North American to-Subscribing. Delete (a) "Permanent residents of the United States, Canada, and Mexico and all of their possessions." and (b) Regular, Outside North America...listed in part a."

Rationale for the change: the term "Subscribing" better (more accurately) reflects the status of the member. The term "regular" is nebulous, and potentially denigrating to the other categories. There is no reason to distinguish between Subscribing-North American members and Subscribing-Outside North American, as previously worded.

This announcement in the Ecdysiast fulfills the initial phase of the approval process. A vote will be solicited in the following issue of the Ecdysiast, which is distributed more than sixty days later.

The Constitution and Bylaws have been published in the Journal of Crustacean Biology, 1981, 1 (2): 293-297. In the event that you do not have access to a copy, request one from the Secretary of the Society."

TCS NOMENCLATURE COMMITTEE

Paul Haefner reports that TCS now has a Nomenclature Committee. We have a new Chair: Gary C.B. Poore, Division of Natural History, Museum of Victoria, 71 Victoria Crescent, Abbotsford, Victoria 3067, Australia, Telephone 419-5200. He replaces Ray Manning. Jody Martin was also appointed to the committee. Other members are Keija Baba, Tom Bowman, L.B. Holthuis, J.Y. Liu, S.A. Rodrigues, and A.B. Williams.

BEST PAPER AWARD, JOURNAL OF CRUSTACEAN BIOLOGY

Paul Haefner announces that the award for best paper in the category "Evolutionary Biology and Systematics" for the 1988-89 period was to the late Tatsunori Ito for the paper "Origin of the basis in copepod limbs, with reference to remipedian and cephalocarid limbs" (JCB 1989, Vol. 9: 85-103).

RESULTS OF TCS ELECTIONS

President-Elect Rick Brusca announces the election of the following TCS officers and regional governors: Secretary, Dr. Frank Barnwell; Treasurer, Dr. Denton Belk; Program Officer, Dr. Robert Elner; European Governor, Dr. Geoffrey Boxshall; Indo-Pacific Governor, Dr. G.R.F. Hicks, and U.S. Governor, Dr. Dorothy Skinner.

Rick requests that TCS members send suggestions for nominations for the upcoming fall election to any Board member. The posts that will be up for election are President-Elect, South American Governor, and Asian Governor. Members can and are encouraged to suggest themselves!

OFFICERS OF THE SOCIETY

President Paul A. Haefner, Jr.
Dept. of Biology
Rochester Institute of Technology
P.O. Box 9887
Rochester, New York 14623
(716-475-5143)

President-Elect Richard Brusca
Natural History Museum
P.O. Box 1390
San Diego, CA 92112
(619-232-3821)

Treasurer Denton Belk
840 E. Mulberry
San Antonio, Texas 78212
(512-732-8809)

Secretary Frank Barnwell
Dept. of Ecol. and Evolution
University of Minnesota
318 Church ST. SE
Minneapolis, MN 55455
(612-625-8689)

JCB Editor Arthur G. Humes
Boston Univ. Marine Program
Marine Biological Laboratory
Woods Hole, MA 02543
(617-548-3705)

Program Chair Robert W. Elner
Dept. Fisheries and Oceans
Pacific Biological Station
Nanaimo, British Columbia
V9R 5K6, Canada
(604-756-7200)

Past-President Darryl L. Felder
Dept. Biology
Univ. Southwestern Louisiana
Lafayette, LA 70504-2451
(318-231-6753)

~~946-8546~~
Past Pres. Frederick R. Schram
c/o Marine Biology
Scripps Inst. Oceanography
San Diego, CA 92093

Past Pres. Lawrence G. Abele
Biological Sciences
Florida State University
Tallahassee, FLA 32306
(904-644-3700)

Past Pres. Raymond B. Manning
IZ-NHB-W323
Smithsonian Institution
Washington, D.C. 20560
(202-357-4668)

REGIONAL GOVERNORS

North America

Dorothy M. Skinner
Division of Biology
Oak Ridge Nat. Lab.
P.O. Box Y
Oak Ridge, TN 37380

South America

Gilberto Rodriguez
Inst. Venez. Invest. Cient.
Apartado 1827
Caracas, Venezuela

Europe

Geoffrey Boxshall
British Museum, Natural History
Cromwell Road
London SW7 5BD
England

Asia

Yasuhiko Miya
Inst. Biology, Nagasaki Univ.
1-14 Bunkyo-Machi
Nagasaki 852
Japan

Indo-Pacific Governor

G.R.F. Hicks
National Museum of New Zealand
Private Bag (STC198)
Wellington, New Zealand

TCS/ASZ MEETINGS IN ATLANTA, 1991

TCS members are reminded that TCS will meet with ASZ and associated societies Dec. 27-30, 1991 in Atlanta, Georgia. Abstracts will be due on August 1, 1991.

CALL FOR SYMPOSIUM TOPICS

Robert Elner, TCS Program officer, announces that there are still opportunities for offering symposia at the Inter-American Meeting of the Crustacean Society in Charleston, South Carolina, June 11-14, 1992 and in future meetings. Please provide Dr. Elner with the suggested title, a brief justification of the theme, name(s) of the Chairperson(s), together with a list of speakers and their topics to the TCS Program Officer (Robert W. Elner, Dept. Fisheries and Oceans, Pacific Biological Station, Nanaimo, British Columbia, V9R 5K6, Canada, telephone 604-756-7200, fax 604-756-7053).

Potential topics for future symposia are being explored. One suggested topic is "Survival Strategies for Crustaceans." If there are society members interested in contributing papers to a symposium on survival strategies, please contact A.J. Paul, University of Alaska, P.O. Box 730, Seward, Alaska 99665 (FAX 907-224-3392).

TCS MEETINGS IN CHARLESTON-ALL INTERNATIONAL MEMBERS WELCOME

TCS members are reminded that the Society will host a meeting in Charleston, South Carolina, from Thursday, June 11 through Sunday, June 14, 1992. The meeting has been billed as an "Inter-American" one, which has led some international members to inquire if attendance is being restricted to Western Hemisphere participants. This is not the case, and all interested TCS members are urged to come and give a paper. The announcement for the meeting includes:

"Three concurrent sessions, poster presentations, and at least one symposium are planned. Cash awards are planned for best oral and poster presentations by students. A social with cash bar is scheduled for the evening of June 11 and Lowcountry Pig Pickin' and Shrimp Boil is scheduled for June 13. Meeting headquarters will be at the Mills House and other nearby hotels at reduced conference rates. Dormitory housing and budget meal plan will also be available

as an option. Within blocks of the meeting are antique shops, great restaurants, and the Battery with its parks along the Charleston waterfront. Several field trips for collecting crustaceans and conference tours of research and museum facilities are planned. For additional information, contact Elizabeth Wenner (803-762-5050), Ray Manning (202-357-4668), or Bob Elner (604-756-7223).

OTHER MEETINGS

European Crustacean Conference: Pierre Noel has informed TCS of plans for an international meeting on Crustacea in August or September, 1992. There will be five main topics (Phylogeny: Cladistics; Aquaculture: Fisheries; Nutrition: Metabolism; Endocrinology; Ecology: Ecotoxicology) although the program is not yet finalized. Further announcements and specifics should be forthcoming, but Pierre Noel (Muséum National d'Histoire Naturelle, Laboratoire de Biologie de Invertébrés Marins, 55 rue de Buffon, 7-5231 Paris) may be contacted for information.

6th Deep-Sea Biology Symposium: Jens Hoeg has provided the following information from R.M. Kristensen on this meeting in Copenhagen, Denmark, June 30-July 5, 1991. Topics include Deep-Sea biota and Community Structure, Seamount Biology, Dispersal of Deep-Sea Faunas, Behavior, and Deep-Sea Microbiology. Information can be obtained from the following address: Deep-Sea Symposium, Zoological Museum, Universitetsparken 15, Dk-2100, Copenhagen, Denmark (telephone 45-31354111; fax 45-31398155).

Association of Systematics Collections Meeting: ASC will hold its 1991 annual meeting at Texas A & M University, College Station, Texas on May 16-18. The meeting will feature a workshop on "Biodiversity and Collections." Speakers from the U.S., Canada, and several Latin American countries will discuss the role of collections in biodiversity studies, international collaboration in biodiversity studies, international collaboration in biodiversity studies and collection development, and the status and needs of collections in developing countries. There will also be a workshop on Collections Policy issues. Participants are welcome. For further information, contact ASC at 730 11th St. NW, Second Floor, Washington, D.C., 20001; 202-347-2850.

ASC will also sponsor a symposium on Informal Biology Education at the 1991 AIBS meeting in San Antonio, Texas, August 4-8 under the AIBS theme "Education, the Future of Biology." The symposium will emphasize informal education in systematics, biological diversity, and environmental sciences at natural history museums and botanical gardens. Suggestions for topics and speakers are sought. Contact ASC at above address; for AIBS meeting information, contact L. Salmon, AIBS, 730 11th ST. NW, 3rd Floor, Washington, D.C., 20001.

TCS TIE TACKS AND T-SHIRTS:

There are still emblem tie-tacs left from the TCS 10th Anniversary celebration in San Antonio. They are \$22.00 plus a \$5 charge for shipping per order (\$6.50

overseas). Send your orders to: TCS, 840 E. Mulberry, San Antonio, Texas, 78212-3194.

Rick Brusca informs us that there are about two dozen TCS anniversary t-shirts left (\$10 short sleeve, \$12 long sleeve). Contact Rick about what sizes, colors etc. are available (see his address and phone number in the list of officers given on a previous page).

LITERATURE DATABASE ON CRUSTACEA:

Jens Hoeg maintains a literature database on Crustacea for PC's (MS-DOS) that he may be expanding and could make available to TCS members. He is entering all references from JCB and those from other sources according to author, date, title, source (journal\book), pages, keywords, and biosystematic code. The keywords will comprise "subjects," e.g., SEM, taxonomy, physiology, larval development, and some or all species dealt with in the paper. If the project gets going, Jens proposes to make the database available to TCS members on some kind of a cost-free basis (receiver provides diskettes, costs of postage) or perhaps TCS could handle distribution.

Before Jens begins extensive work on this project, he wants to ask TCS members if anyone has already compiled a comparable database so that he does not duplicate previous work. Jens has heard that TCS member Jurgen Sieg has compiled a database on crustacean literature up to 1970 so that it does not include JCB.

Jens comments that references on Crustacea can be obtained from existing commercial databases, e.g., Biosis, but these are quite expensive.

COMMITTEE FOR THE NATIONAL INSTITUTES FOR THE ENVIRONMENT

The Committee for the National Institutes for the Environment has opened a Washington office to spearhead efforts to establish a National Institutes for the Environment (BioScience 40 (8):567). The NIE proposal is an effort to greatly expand environmental research and education to drive environmental policy through a new funding agency. Of the \$9 billion in federal extramural support for science, 11% goes to environmental sciences (broadly defined). This amount could be increased and the results of this research made more applicable to solving environmental problems through an interdisciplinary agency, analogous to the National Institutes of Health. The present proposal is to set up a series of problem-oriented institutes that would support competitively-awarded, mission-oriented environmental research. Legislation to have the National Academy of Sciences study the NIE concept is presently moving through Congress. The plan for the NIE is still in an early conceptual stage. Environmental scientists who are interested in having input in the process should contact Dr. David E. Blockstein, Director of the Washington office of the NIE committee. The office is housed at The American Institutes for Biological Sciences building, 730 11th St. NW, Washington, D.C. 20001-4521; phone (202-628-4303).

POSITION: MARINE INVERTEBRATE ZOOLOGIST

The Department of Marine Sciences, University of Puerto Rico, Mayaguez, invites applications for a tenure-track position for ASSISTANT OR ASSOCIATE PROFESSOR for a person with research and teaching interests in tropical marine invertebrate zoology. The successful applicant will advise graduate students, is expected to teach a graduate level course in systematics of tropical marine invertebrates and in area of specialty, curate sample collection, and establish an independent research program supported by extramural funding. Base salary ranges: \$22,500-\$27,500; can be supplemented with outside contracts and grants. Background in tropical marine fauna required, West Indian fauna preferred. Send C.V., research interests, and 3 letters of recommendation to Dr. Douglas Shapiro, Dept. Marine Sciences, UPR-MC, P.O. Box 5000, Mayaguez, PR 00709-5000.

COPIES OF THESIS ON CALLIANASSID ECOLOGY AVAILABLE

Jean de Vaugelas has just finished his thesis entitled "Ecology of callianassid mud-shrimps (Crustacea: Decapoda: Thalassinidea) from Indo-Pacific reef sediments. Effects of sediment reworking on organic matter, trace metals, and radionuclides distribution." The 226 page manuscript (in french) provides a general survey of the international literature on callianassid shrimp ecology, including Dr. de Vaugelas' results on species from the Red Sea, Polynesia, and New Caledonia. The focus is primarily on tropical callianassid species, by comparisons with thalassanids from temperate habitats are made. A new classification of thalassinid burrows is proposed as well as data on the effect of sediment reworking on organic matter, trace elements, and radionuclides distribution. The paleontological consequences of bioturbation are considered. The bibliographic section includes 432 references, of which about 300 are directly related to thalassanid shrimps.

50 copies of the thesis are being produced; requests can be addressed to Dr. Vaugelas at this laboratory at the following address: Laboratoire de Biologie et Ecologie Marines, Université de Nice, Parc Valrose, 06034 Nice, France.

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Publication Announcement

Title
Proceedings of the International Symposium on King and Tanner Crabs

AK-SG-90-04, 1990

633 pages, numerous technical illustrations and tables

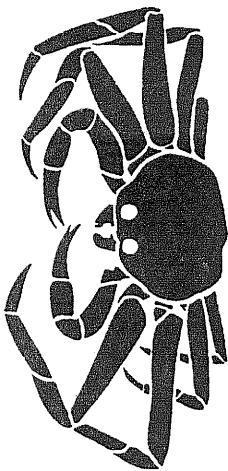
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Fisheries biology, Fisheries management

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Biologists, Crab fishery managers, Policy makers

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\$14.00

Summary
King and tanner crabs, which declined markedly in the Bering Sea during the early 1980s, were the subject of a symposium that took place November 28-30, 1989 in Anchorage, Alaska. More than 100 scientists from Argentina, Japan, Canada, and the United States met to discuss king and tanner crabs, and several Soviet scientists made their papers available for the proceedings of the symposium. Fifty-three papers are included in the proceedings, plus a summary of a general workshop discussion. Topic areas covered by presented papers include reproduction, life history, feeding and growth, population structure and dynamics, mortality, and stock assessment and management.



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