



THE ECDYSIAST

Newsletter of the Crustacean Society

ECDYSIAST VOLUME 7, NUMBER 1

MARCH, 1988

STATE OF THE SOCIETY MESSAGE

The year 1987 was a quiet one for your society. The measures taken in the previous year to solve our fiscal problems have paid big dividends. Our financial operations have stabilized, and indeed have allowed us to begin making longer range plans for society services than was heretofore possible. Two people deserve special mention in this regard. Our treasurer, Denton Belk, has done a most laudable job in putting our operation on a sound financial footing; and our journal editor, Arthur Humes, not only has produced a high quality magazine content wise, but also has worked in cooperation with Denton and Allen press to effect economies of production that will only serve to increase its quality.

Some of our plans for the future involve cosponsoring programs abroad. TCS is indeed an international society, since more than half of our membership lies outside of the United States. We are also about to celebrate the first 10 years of our existence. TCS is planning to recognize both these facts by cosponsoring some international programs in 1990. Dr. Ken McKenzie, Riverina College, New South Wales, is organizing an international symposium to be held at the University of Queensland around the themes of distribution, ecology, and economic aspects of crustacean biology. This symposium will also mark the 10th anniversary of the well known "Biology and Evolution of Crustacea" conference held at the Australian Museum in 1980. Also, in 1990 TCS is currently negotiating to cosponsor with the Crustacean Society of China an international conference or workshop in the People's Republic around the theme of modern techniques and approaches in taxonomic and phylogenetic analysis. This program will possibly be held in Qingdao at the Institute of Oceanology and is being coordinated with Prof. J.Y. Liu, president of CSC. And finally, 1990 is the tentative date for the next international gathering of copepodologists, possibly in Japan, and we hope to keep you posted as plans for that conference come into focus. The idea is to coordinate all these conferences into a "grand slam" series of events in the Western Pacific.

This activity scheduled for that part of the world is only fitting. The largest national memberships outside of America are in Japan and Australia/New Zealand. Our colleagues there are also the most active and enthusiastic members of the society. For example, last year at the general business meeting of TCS in Nashville the membership voted to place a voluntary assessment of \$10 on top of the regular dues. This was to be paid for a period of 10 years and was earmarked for a special trust fund devoted exclusively towards building a publication reserve for the journal. The monies can not be touchable until the fund reaches \$50,000, and then only half of the income can be used to defray journal publication expenses. Though we have more American members than any other national group, it was the Japanese membership that responded in an overwhelming way this year in paying that voluntary assessment, and I want to thank them for their support and loyalty to the society. More and more it is becoming evident that the support of our foreign membership that is making TCS a success. I would hope that this might spur our American members to pay that

STATE OF THE SOCIETY MESSAGE (cont)

extra \$10 assessment. If you have not made a donation for this year, you can still send a check or \$10 to Denton Belk--mark your payment "Journal Trust Fund." These days a \$10 bill is just pocket change, but consistent donation by every member of that \$10 every year will enable us to move towards freeing ourselves of the need to level page charges in the journal.

Finally, as you know I passed the presidential crab mallet on to Darryl Felder at the New Orleans meeting, and have retired to the Past-Presidency. How can I thank everyone that I need to and not run the risk of overlooking someone? I know the society is in good hands for the future with Darryl Felder; and it was the vision and hard work of my predecessors, Ray Manning and Larry Abele, that have given TCS a bright future. We are actively organizing our anniversary celebration under the direction of Paul Haefner and Elizabeth Wenner, and of course I've already mentioned the efforts of Denton and Arthur. I also need to acknowledge a great deal of work that is done by our governors for North American and abroad, since these officers have made a special effort to provide board input and have been the major element in generating the support for the society evidenced from abroad. I also need to note the work of our special chairpersons, viz., Ray Bauer as Ecdysiast Editor, and Sandy Gilchrist who heads the awards committee. And last but not least, another retiring officer merits special mention, Adrian Wenner, who has been Program Officer for the last 4 years and whose efforts culminated in a really interesting symposium in New Orleans on egg production. I hope I have not missed anyone. My thanks to these people is sincere. A president is only as good as the people around him, and I have had the good fortune to have served with the best.--Frederick R. Schram, Past-President.

TREASURER'S NOTES

We have available 12 copies of various volumes of Fauna Romania and 14 volumes from the Institute of Marine Biology at Vladivostok, USSR. One or more of these may be obtained for a donation to the Special Needs Membership Fund. Please contact Denton Belk, 840 Mulberry, San Antonio, TX 78212-3194.

HIGHLIGHTS OF THE NEW ORLEANS MEETINGS

The annual meetings were kicked off by the TCS-IAA social held aboard the LUMCON research vessel Pelican. The social (and Board of Governor's meeting, held in the vessel's galley), was hosted by the Louisiana Universities Marine Consortium (LUMCON). Lots of good eating and fraternizing took place at the social which was considered by TCS members as one of the highlights of the meetings.

The TCS/ASZ Division of Ecology sponsored symposium "Crustacean Egg Production" was another high point of the meetings. In addition to the day-long symposium sessions, there were two afternoon contributed paper groups associated with the symposium. Congratulations to Adrian Wenner and Armand Kuris for organizing such a successful event. In addition, there were three other TCS contributed paper sections and one TCS poster session.

At the TCS business meeting, Dorothy Bliss was honored as the first recipient of the TCS Research in Excellence Award. Linda Mantel made the presentation speech in which Dr. Bliss' scientific achievements and contributions to crustacean biology were summarized. Linda also gave us a look at the personal side of Dr. Bliss, truly a study in professional and personal excellence. Our congratulations to Dr. Bliss.

1988 TCS MEETINGS IN SAN FRANCISCO

The upcoming meetings in December, 1988, in San Francisco should be busy, productive, and enjoyable. In addition to our usual joint meetings with ASZ and related societies, the Western Society of Naturalists will be there, with its usual good array of marine invertebrate (including crustacean) papers.

The TCS symposium for 1988 (cosponsored by ASZ Invertebrate Zoology Division) will be "Sex attraction, mating behavior, and insemination in Crustacea", organized by Ray Bauer and Joel Martin. The symposium has an excellent slate of speakers, and associated contributed paper sessions are shaping up. Roy Caldwell, one of the symposium speakers, is making available his first-rate knowledge of Bay area restaurants and is scouting an appropriate spot for a post-symposium dinner for speakers and contributed paper participants. Columbia University Press will publish the symposium volume which will be edited by Bauer and Martin.

RESULTS OF TCS ELECTIONS

Seventy-six ballots were returned to Darryl Felder, who reports the results as follows: the new President-Elect is Paul Haefner and the new Program Officer is George D. (Buz) Wilson. The incumbent South American and Asian Regional Governors, Drs. Gilberto Rodriguez and Tatsunori Ito, respectively, were re-elected.

Other changes in TCS officialdom: at the Board of Governors' meeting in New Orleans, Betty Wenner was appointed TCS Secretary by then President Fred Schram to fill the vacancy created by Paul Haefner's election as President. Dorothy Skinner was appointed to the North American Governor's post to replace Betty Wenner. At the TCS Business meeting in New Orleans, Fred Schram stepped into a Past-President's position while Darryl Felder took over as TCS President. To those having a tough time keeping track of all this, below are the names and addresses (and, for officers, telephone numbers in parentheses) of the 1988 list of TCS officers and regional governors:

OFFICERS OF THE SOCIETY

President Darryl F. Felder
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Past-President Lawrence G. Abele
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Past Pres. Raymond B. Manning
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National Museum of Natural History
Smithsonian Institution
Washington, D.C. 20560
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REGIONAL GOVERNORS

North America

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Asia

Tatsunori Ito
Seto Marine Biology Laboratory
Kyoto University
Shirahama, Wakayama
Japan

Indo-Pacific

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

WANTED: POST-MOLT DECAPOD CRUSTACEANS REARED AT CONSTANT KNOWN TEMPERATURE AND SALINITY

I am trying to establish a decapod carbonate delta-0¹⁸ temperature equation. The more species I analyze, the more generally applicable the equation will be. Sample requirements for each species are small: 1 individual (juvenile or adult) per species is adequate. If you can help, please contact Cindy Lee Van Dover, Woods Hole Oceanographic Institution, Woods Hole, MA 02543, telephone: 617-548-1400, x 2611.

SUMMER COURSES OFFERED AT LOUISIANA MARINE LABORATORY

LUMCON Marine Center in Cocodrie, LA, will offer two 5-week summer terms of graduate and undergraduate courses. The first term (June 6-July 8) will feature Introduction to Marine Science; Marine Chemistry; Marine Science for Teachers at L.S.U., Shreveport; short courses on Wetland Vegetation and Coastal Erosion/Wetland Loss; and Special Research Topics. The second term (July 11-August 12) will feature Marine Invertebrate Zoology; Marine Ecology; short courses on Louisiana Coastal Field Ecology and Coastal Geomorphology; and Special Research Topics. Instruction for most courses will be conducted at the LUMCON Marine Center at Cocodrie and field stations at Port Fourchon and Fearman Bayou. LUMCON facilities provide ready access to salt and brackish marshes, major bay systems, barrier islands, beaches, coastal cheniers, and the nearshore Gulf of Mexico. Two research vessels, the 105-ft Pelican and the 57-ft Acadiana, are available for research and training cruises along with a fleet of small boats for field collections and research. The facilities and vessels are operated by LUMCON, a consortium of state universities. Enrollment is through a member institution. Highly qualified students may be eligible for financial support during the summer program. For applications or further information, contact: SUMMER PROGRAM, Louisiana Universities Marine Consortium, Marine Center, Chauvin, LA 70344, or call 504-851-2800 (preferably before April 1, 1988).

COPIES OF TWO CHACE AND HOBBS PUBLICATIONS AVAILABLE

Fenner A. Chace, Jr. announces that a limited number of offset copies of the following publications are now available:

Chace, F.A., Jr. and H.H. Hobbs, Jr. 1969. The Freshwater and Terrestrial Decapod Crustaceans of the West Indies with Special Reference to Dominica. United States National Museum Bulletin 292: vi + 258 pages, 76 figures, 5 plates.

Chace, F.A., Jr. 1972. The Shrimps of the Smithsonian-Bredin Caribbean Expeditions with a Summary of the West Indian Shallow-water Species (Crustacea: Decapoda: Natantia). Smithsonian Contributions to Zoology, 98: x + 179 pages, 61 figures.

Requests may be sent to either author at the Department of Invertebrate Zoology, NHB-Stop 163, Smithsonian Institution, Washington, D.C., 20560.

NEW PUBLICATIONS

J. Forest, 1987. Les Pylochelidae ou "Pagures symétriques" (Crustacea Coenobitodea). Résultats du Campagnes MUSORSTOM, 3. Mémoires du Muséum national d'Histoire naturelle, Paris, series A, volume 137, 254 pages, 9 plates. ISSN 0078-9747. Available from Editions du Muséum, 38 rue Geoffroy Sainte-Hilaire, 75005 Paris, France. Price, 300 FF.

D. G. Smith. Keys to the Freshwater Macroinvertebrates of Massachusetts (No. 3): Crustacea Malacostraca (crayfish, isopods, amphipods). Mass. Dept. Env. Quality, Div. Water Pollution Control, iii, 57 pp, 49 figs. Includes species lists, descriptions, and bibliography; intended for aquatic and fishery biologists, science educators, environmental engineers, and naturalists. FREE. Request (maximum of two copies) from Doug Smith, Museum of Zoology, Univ. of Mass., Amherst, MA 01003-0027 or Arthur Screpetis, Mass. Dept. Env. Qual. Eng., Div. Water Pollution Control, Westborough, MA 01581. Specify spiral binding or three-hole punch for notebook binding.

PEREO-, PEREIO-, AND PERAEOPOD

Tom Bowman offers the following comments on the use of the terms pereopod, pereipod, and peraeopod:

Belatedly, I wish to respond to Buz Wilson's piece in Ecdysiast 6(2):10-11 and the editor's reply. All 3 spellings are acceptable, and crustaceologists are free to use the one they prefer. I much prefer the simplest, "pereo-", and have persuaded a number of colleagues to use it. But in my role as an editor I do not presume to require that authors use a particular spelling although I do not hesitate to advise them of my preference. I think nearly universal adoption of "pereo-" is inevitable.

Concerning the response of the editor (of The Ecdysiast or of JCB ?)*, ruling out "pereo-" because it is not in dictionaries, let him be advised that it soon will be. In 1974, following an attempt by the editor of Fishery Bulletin to change "pereopod" because it was not in his dictionary, I wrote to the scientific editor of Webster's Unabridged, Dr. Robert J. Quinlan, suggesting inclusion of "pereo-". After several exchanges of correspondence he agreed to do so if I would send him 10 "specimens" of this spelling from 10 different scientific journals. This I did, and Dr. Quinlan assured me that "pereo-" would be added when the pertinent section of the dictionary is next revised.--Thomas E. Bowman, Curator of Crustacea, Department of Invertebrate Zoology, Smithsonian Institution.

*the comments referred to were those of the Ecdysiast's editor.

DIRECTORY OF ASTACOLOGISTS

The International Association of Astacologists will be publishing a Directory of Astacologists this May. Contact Jay Huner, P.O. Box 10809, Southern University, Baton Rouge, LA 70813 for more information.

SEVENTH INTERNATIONAL MEIOFAUNA CONFERENCE (SVIMCO 89)

The SVIMCO will be held in in Vienna, Austria, from August 21-26, 1989. This is immediately after the International Limnology Meeting at Munich (August 11-19). Since we would like to strengthen the ties between marine and freshwater meiobiologists, we considered this a good idea. The following topics to be emphasized are suggested:

SVIMCO (cont)

1. Adaptations to environmental gradients: e.g., marine-freshwater, oxic-anoxic, microenvironments and microzonation, rapid temporal changes, techniques to measure and simulate gradients.
2. Faunistics: new types, new insights into phylogeny, new and interesting aspects of biogeography.
3. Role of meiobenthos in specific processes: e.g., decomposition, remineralization, microbial interactions.
4. Trophic webs: comparison of trophic relationships in marine, freshwater, and groundwater situations, methods for tracing trophic relationships.

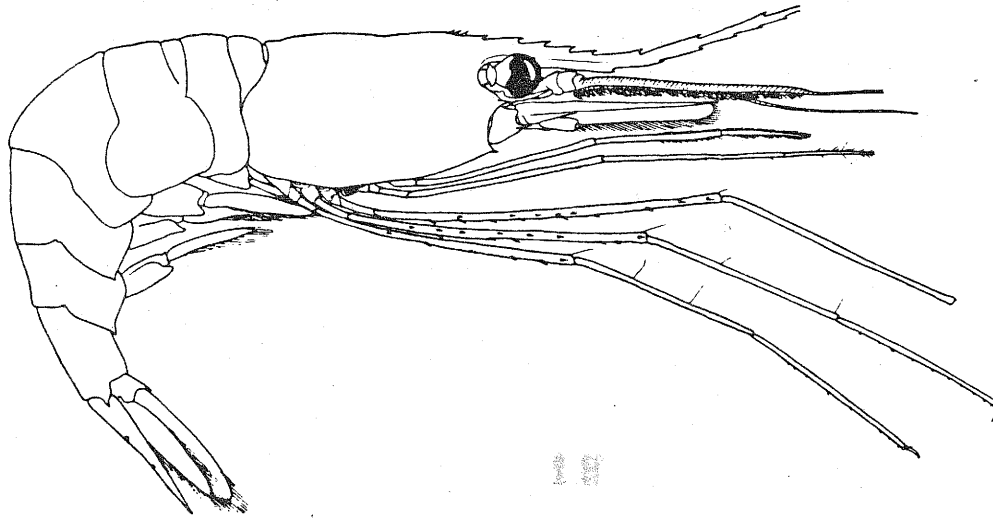
A special workshop on the origin of groundwater fauna will be organized within the framework of SVIMCO by Dan Danielopol. We will be happy to receive further suggestions and comments. Please address correspondence to: Dr. R. Novak (SVIMCO), Institute for Zoology, University of Vienna, Althanstrasse 14, A-1090, Vienna Austria. (This announcement was submitted by Dan Danielopol, Limnologisches Institut, A-5310, Mondsee, Austria.)

21st AIMLC MEETINGS ANNOUNCED

The 21st annual meeting of the Association of Island Marine Laboratories of the Caribbean will be held May 24-27, 1988, at Mote Marine Laboratory in Sarasota, Florida. Sessions on marine biology, chemistry and toxicology, geology, fisheries, underwater park management, seagrasses, mangroves, and coral reefs will be highlighted as special areas of study. For more information, contact Linda Franklin at 813-388-441 (submitted by Kumar Mahadevan, Director, Mote Marine Laboratory, 1600 City Island Park, Sarasota, Florida 34236).

NORTH AMERICAN BENTHOLOGICAL SOCIETY MEETINGS

The 36th annual meeting of the North American Benthological Society will be held May 17-20, 1988, at the Paul W. Bryant Conference Center on the campus of the University of Alabama, Tuscaloosa. The meeting will be hosted by the Department of Biology and co-hosted by the Geological Survey of Alabama. The theme of the plenary session will be European Perspectives in Running Water Ecology and will feature Drs. Colin Townsend (Great Britain), Henri Decamps (France), and Dan Danielopol (Austria). There will also be a lecture by Dr. H.B.N. Hynes, who will receive the first NABS Award of Excellence. Planned special sessions and symposia include the Systematics of Neotropical Aquatic Insects, Benthic Microbial Communities: Interactions and Processes, Ecological Relationships in Macrophyte Zones, Aquatic Toxicity Studies: Field Validation, a special workshop on the role of benthos in impact assessment, and a forum on the use of computers in benthic studies. In addition to contributed papers on benthic invertebrates, papers dealing with the following topic areas are encouraged: benthic fish and algae, macrophytes, organic matter processing, river-floodplain interactions, aquatic toxicology, and water quality monitoring. For more information, contact: Dr. Amelia K. Ward, Department of Biology, University of Alabama, P.O. Box 1927, Tuscaloosa, AL 35487-1927 (telephone: 205-348-1796).



(From Baba et al, 1986, "Decapod Crustaceans...")



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